

BEGHELLI DE MEXICO

Centro de Tecnologia en Iluminacion

Estudio fotometrico

BS100LED4HTVHOWTTWE120-277V-FIORE



Light Output Ratio:	100.0%	
Luminaire Power:	108.7 W	
SHR Nominal:	1.50	Calculated using the TM5
SHR Maximum:	1.55	fine grid method.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 24.2DEG
 Operators: JALS
 Test Date: 2023-08-29

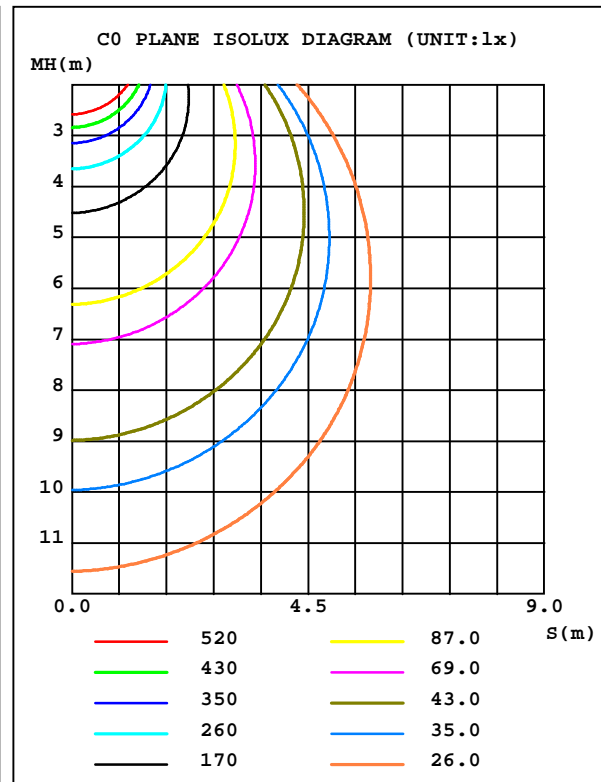
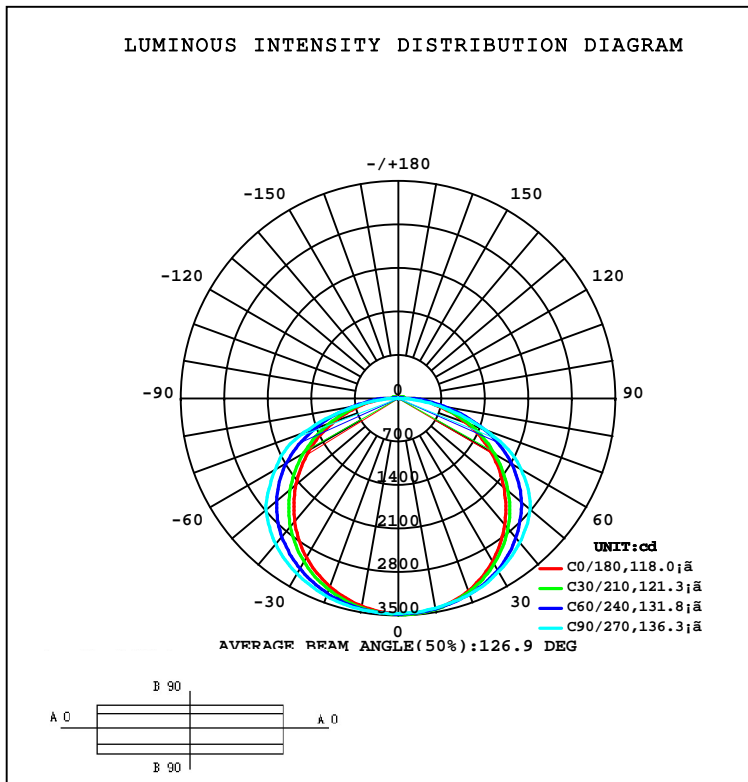
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity: 57.9%
 Test Distance: 2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:119.8V I:0.9158A P:108.7W PF:0.9907 Lamp Flux:12022.6x1 lm		
NAME: 117423504	TYPE:HORTICULTURA	SERIAL No.:NA
DIM.: 0.17 X 1.3	SPEC.:BS100LED4HTVHOWTTWE120-277V	PROTECTION ANGLE:NA
MFR.: BEGHELLI DE MEXICO	SUR.:NA	

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 110.59 lm/W
MODEL	NA	I _{max} (cd)	3494	S/MH(C0/180)	1.27	
NOMINAL POWER(W)	110	LOR(%)	100.0	S/MH(C90/270)	1.42	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	12023	η UP,DN(C0-180)	0.8,49.2	
NOMINAL FLUX(lm)	12022.6	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,49.2	
LAMPS INSIDE	1	η up(%)	1.6	CIBSE SHR NOM	1.50	
TEST VOLTAGE(V)	119.7	η down(%)	98.4	CIBSE SHR MAX	1.55	



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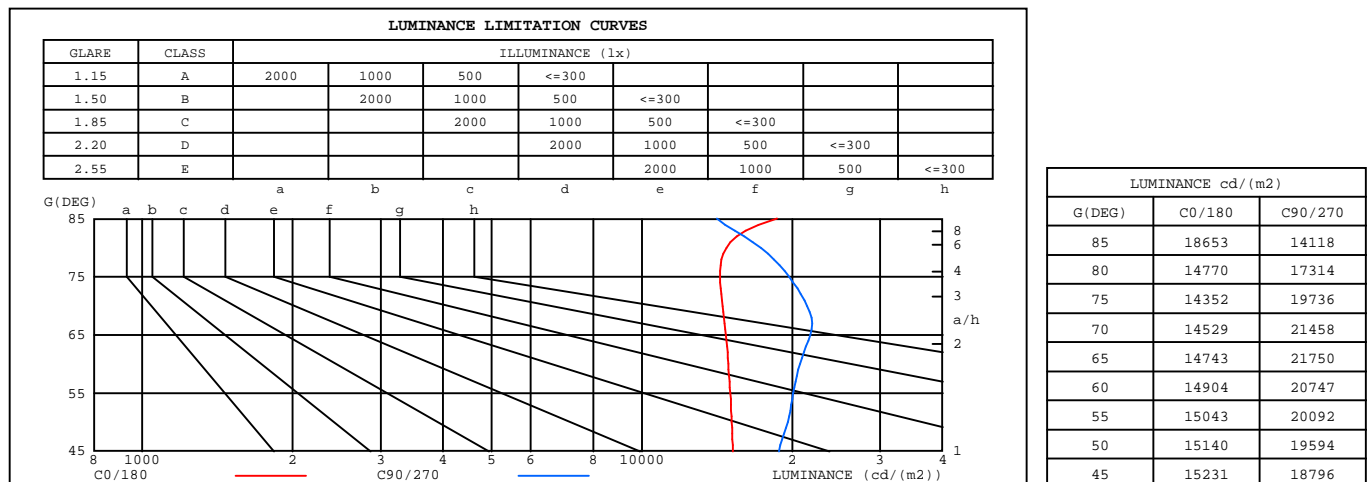
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ZONAL FLUX DIAGRAM AND LUMINANCE LIMITATION CURVES

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	3396	3432	3454	3461	3446	3447	3431	3423	0- 10	330.0	330.0	2.74,2.74
20	3225	3308	3387	3357	3300	3338	3359	3295	10- 20	958.5	1288	10.7,10.7
30	2962	3101	3263	3154	3032	3143	3232	3099	20- 30	1493	2782	23.1,23.1
40	2597	2808	3071	2849	2667	2839	3038	2812	30- 40	1874	4655	38.7,38.7
50	2151	2413	2783	2448	2217	2432	2770	2421	40- 50	2051	6706	55.8,55.8
60	1647	1903	2293	1925	1723	1920	2287	1919	50- 60	1983	8689	72.3,72.3
70	1098	1291	1622	1319	1168	1324	1498	1308	60- 70	1645	10334	86,86
80	566.8	672.4	664.4	676.0	601.3	684.8	600.2	680.9	70- 80	1051	11385	94.7,94.7
90	163.5	171.8	103.3	222.4	217.7	224.0	101.8	225.4	80- 90	445.5	11831	98.4,98.4
100	71.95	112.6	14.57	111.8	22.39	117.1	9.454	114.7	90-100	74.78	11906	99,99
110	71.04	58.66	0.7916	53.78	73.58	59.46	0.2503	58.51	100-110	61.94	11968	99.5,99.5
120	44.20	25.62	0.3111	21.97	45.29	25.23	0.3007	25.57	110-120	33.00	12001	99.8,99.8
130	21.32	8.326	0.3659	6.961	21.94	8.644	0.5391	8.385	120-130	14.19	12015	99.9,99.9
140	7.228	1.987	0.4590	3.569	8.419	3.780	0.7707	2.128	130-140	4.981	12020	100,100
150	1.827	1.484	0.4779	3.139	3.646	3.274	0.7198	1.564	140-150	1.588	12021	100,100
160	1.207	0.4066	0.6457	0.3693	3.154	1.014	0.7310	0.4830	150-160	0.7723	12022	100,100
170	0.5910	0.5270	0.5164	1.191	0.6694	1.822	0.9185	0.7112	160-170	0.2835	12022	100,100
180	0.5325	0.3814	0.2684	0.2976	0.6774	0.5851	0.4183	0.4038	170-180	0.0776	12023	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		



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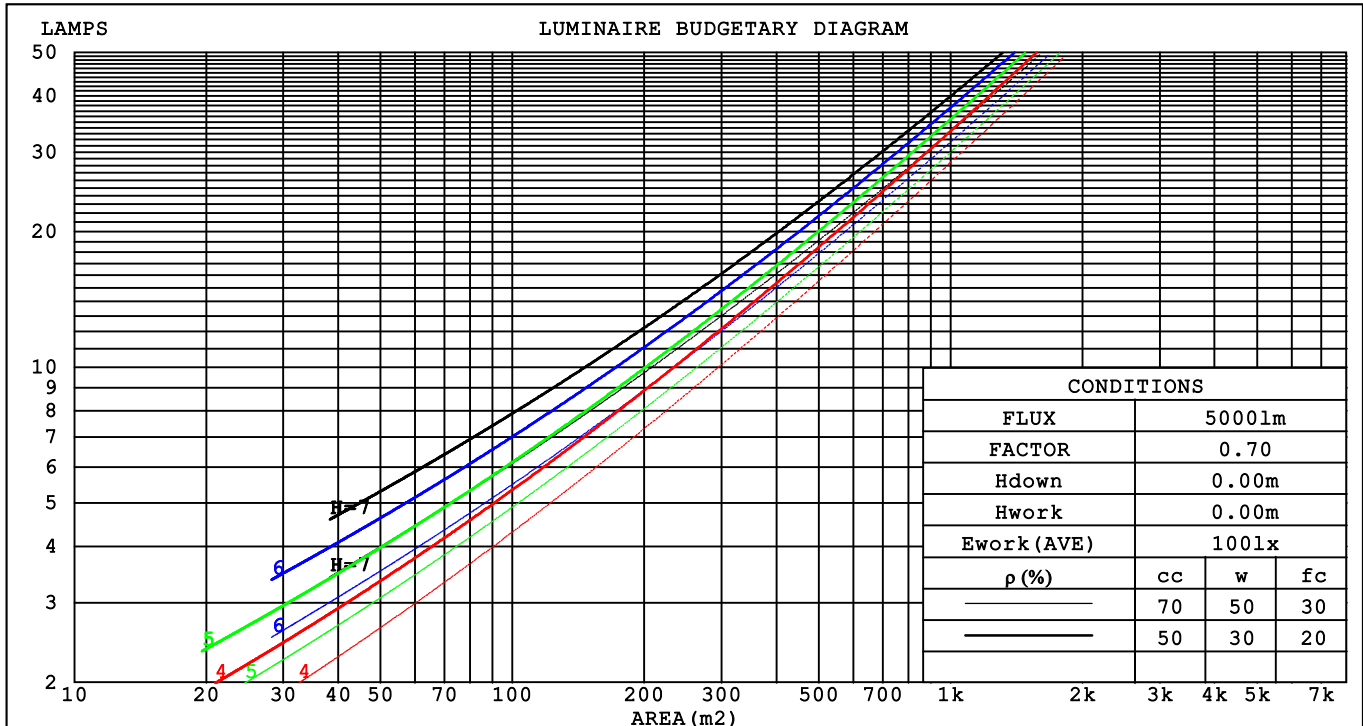
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CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

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DIM.: 0.17 X 1.3	SPEC.:BS100LED4HTVHOWTTWE120-277V	PROTECTION ANGLE:NA
MFR.: BEGHELLI DE MEXICO	SUR.:NA	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															



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WEC AND CCEC

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MFR.: BEGHELLI DE MEXICO	SUR.:NA	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.344	.196	.062	.336	.192	.061	.322	.185	.059	.309	.178	.057	.296	.172	.055	
2.0	.315	.173	.053	.308	.170	.052	.295	.164	.051	.284	.159	.050	.273	.154	.049	
3.0	.287	.153	.046	.281	.151	.045	.270	.146	.044	.259	.142	.044	.250	.138	.043	
4.0	.262	.136	.040	.257	.135	.040	.247	.131	.039	.238	.128	.038	.229	.124	.038	
5.0	.241	.123	.036	.236	.121	.035	.227	.118	.035	.219	.115	.034	.211	.113	.034	
6.0	.222	.111	.032	.218	.110	.032	.210	.108	.031	.202	.105	.031	.195	.103	.031	
7.0	.206	.102	.029	.202	.101	.029	.195	.098	.028	.188	.096	.028	.182	.094	.028	
8.0	.191	.094	.026	.188	.093	.026	.182	.091	.026	.176	.089	.026	.170	.087	.025	
9.0	.179	.087	.024	.176	.086	.024	.170	.084	.024	.164	.082	.024	.159	.081	.023	
10.0	.168	.080	.022	.165	.080	.022	.160	.078	.022	.155	.077	.022	.150	.075	.022	

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.195	.168	.144	.167	.144	.124	.114	.099	.086	.066	.057	.050	.021	.018	.016	
2.0	.188	.144	.108	.161	.124	.093	.110	.086	.065	.064	.050	.038	.020	.016	.012	
3.0	.180	.127	.084	.154	.109	.073	.106	.076	.051	.061	.044	.030	.020	.014	.010	
4.0	.173	.114	.069	.148	.098	.060	.102	.068	.042	.059	.040	.025	.019	.013	.008	
5.0	.165	.103	.058	.142	.090	.051	.098	.063	.036	.057	.037	.021	.018	.012	.007	
6.0	.158	.095	.050	.135	.082	.044	.093	.058	.031	.054	.034	.018	.017	.011	.006	
7.0	.151	.088	.045	.130	.077	.039	.089	.054	.028	.052	.032	.016	.017	.010	.005	
8.0	.144	.083	.041	.124	.072	.035	.086	.050	.025	.050	.030	.015	.016	.010	.005	
9.0	.138	.078	.037	.119	.067	.032	.082	.047	.023	.048	.028	.014	.015	.009	.005	
10.0	.132	.073	.035	.114	.064	.030	.079	.045	.021	.046	.027	.013	.015	.009	.004	

C Range: 0 - 360DEG
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 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:57.9%
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Uncorrected UGR Table

Test:U:119.8V I:0.9158A P:108.7W PF:0.9907 Lamp Flux:12022.6x1 lm											
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DIM.: 0.17 X 1.3					SPEC.:BS100LED4HTVHOWTTWE120-277V			PROTECTION ANGLE:NA			
MFR.: BEGHELLI DE MEXICO					SUR.:NA						
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2H	22.1	23.6	22.4	23.9	24.1	23.5	25.1	23.8	25.3	25.6
	3H	23.7	25.2	24.0	25.4	25.7	25.6	27.0	25.9	27.3	27.6
	4H	24.4	25.8	24.8	26.1	26.4	26.4	27.8	26.8	28.1	28.4
	6H	25.0	26.4	25.4	26.7	27.0	27.0	28.3	27.3	28.6	28.9
	8H	25.3	26.6	25.7	26.9	27.2	27.2	28.4	27.5	28.7	29.1
	12H	25.6	26.8	26.0	27.1	27.5	27.2	28.5	27.6	28.8	29.1
4H	2H	22.9	24.3	23.3	24.6	24.9	24.0	25.4	24.4	25.7	26.0
	3H	24.7	26.0	25.1	26.3	26.6	26.3	27.5	26.7	27.8	28.2
	4H	25.6	26.7	26.0	27.1	27.4	27.3	28.4	27.7	28.8	29.1
	6H	26.3	27.3	26.8	27.7	28.1	28.1	29.1	28.5	29.4	29.8
	8H	26.7	27.6	27.1	28.0	28.4	28.3	29.2	28.8	29.6	30.1
	12H	27.0	27.9	27.5	28.3	28.7	28.5	29.3	28.9	29.8	30.2
8H	4H	26.1	27.0	26.5	27.4	27.8	27.5	28.5	28.0	28.9	29.3
	6H	27.0	27.8	27.5	28.2	28.7	28.5	29.3	29.0	29.7	30.2
	8H	27.5	28.2	28.0	28.6	29.1	28.9	29.6	29.4	30.1	30.5
	12H	27.9	28.6	28.5	29.0	29.5	29.2	29.8	29.7	30.3	30.8
12H	4H	26.1	27.0	26.6	27.4	27.9	27.5	28.4	28.0	28.8	29.3
	6H	27.2	27.9	27.6	28.3	28.8	28.6	29.3	29.1	29.7	30.2
	8H	27.7	28.3	28.2	28.8	29.3	29.0	29.6	29.5	30.1	30.6
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H		+ 0.1 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 12023 lm Total Lamp Luminous Flux. (8log(F/F0) = 8.6)

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UTILIZATION FACTORS TABLE

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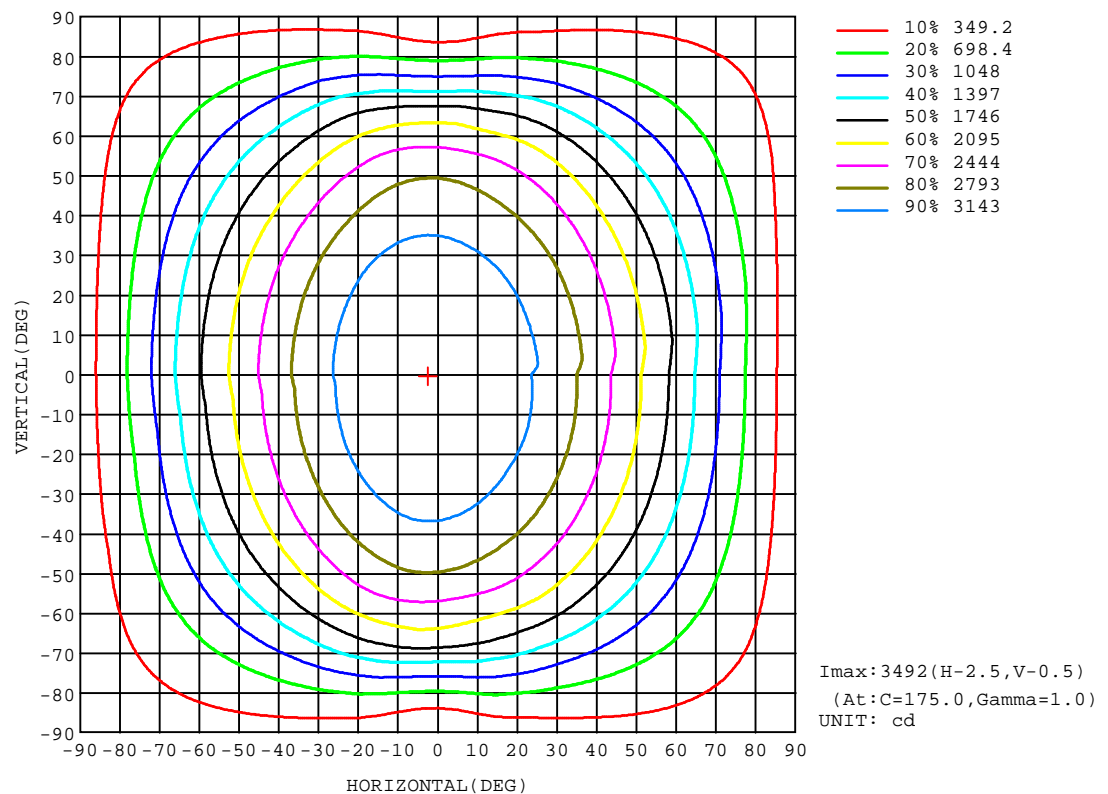
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	54	42	35	53	42	35	52	41	34	28
0.80	64	52	44	63	51	44	61	50	43	36
1.00	72	61	53	71	60	52	69	61	52	44
1.25	80	68	60	78	67	60	75	66	59	51
1.50	85	74	66	83	73	66	80	71	65	56
2.00	92	83	75	90	81	75	86	79	73	64
2.50	96	88	81	94	86	80	90	83	78	69
3.00	100	92	86	97	90	85	93	87	82	73
4.00	104	98	92	102	96	91	97	92	88	78
5.00	107	101	97	104	99	95	99	95	92	82
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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ISOCANDELA DIAGRAM

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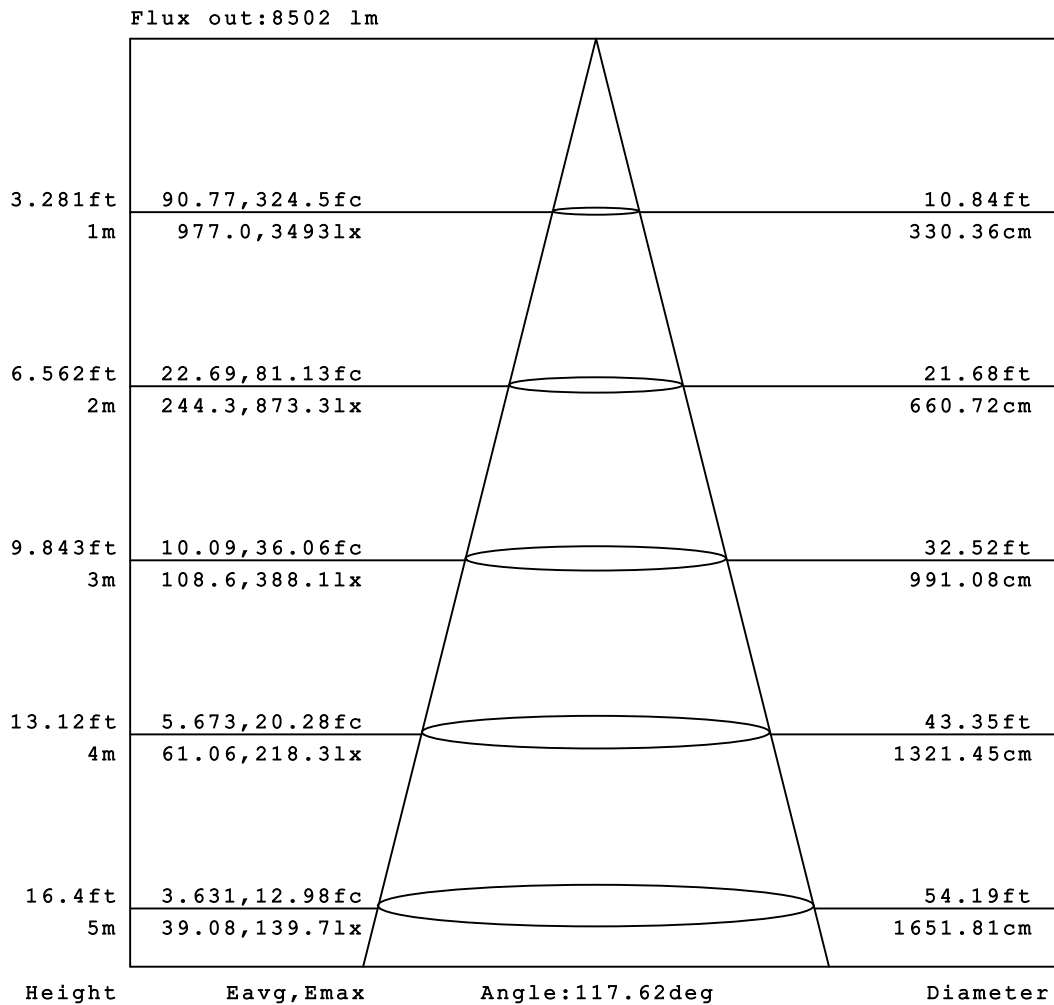
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AAI Figure

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MFR.: BEGHELLI DE MEXICO	SUR.:NA	



Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

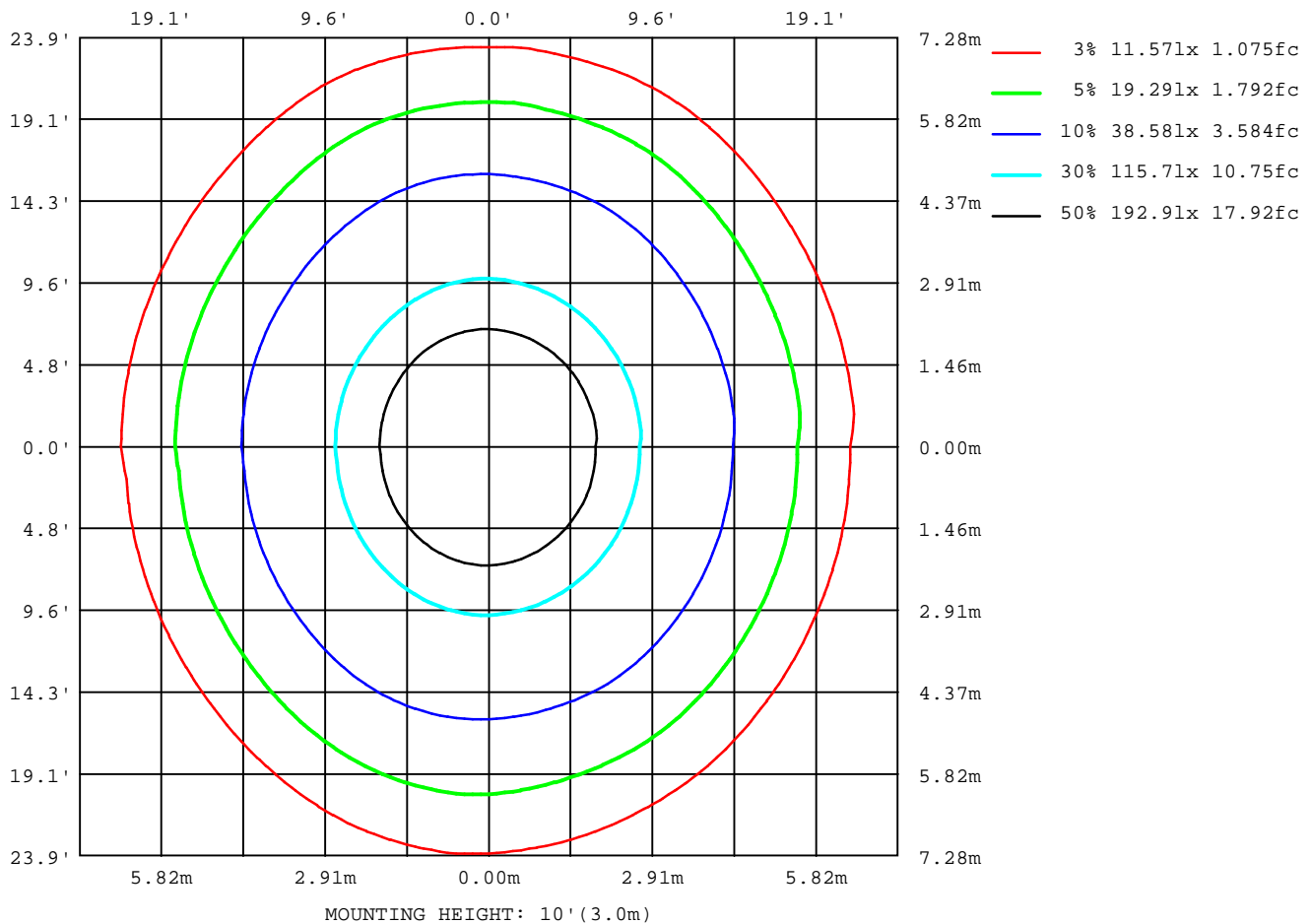
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ISOLUX DIAGRAM

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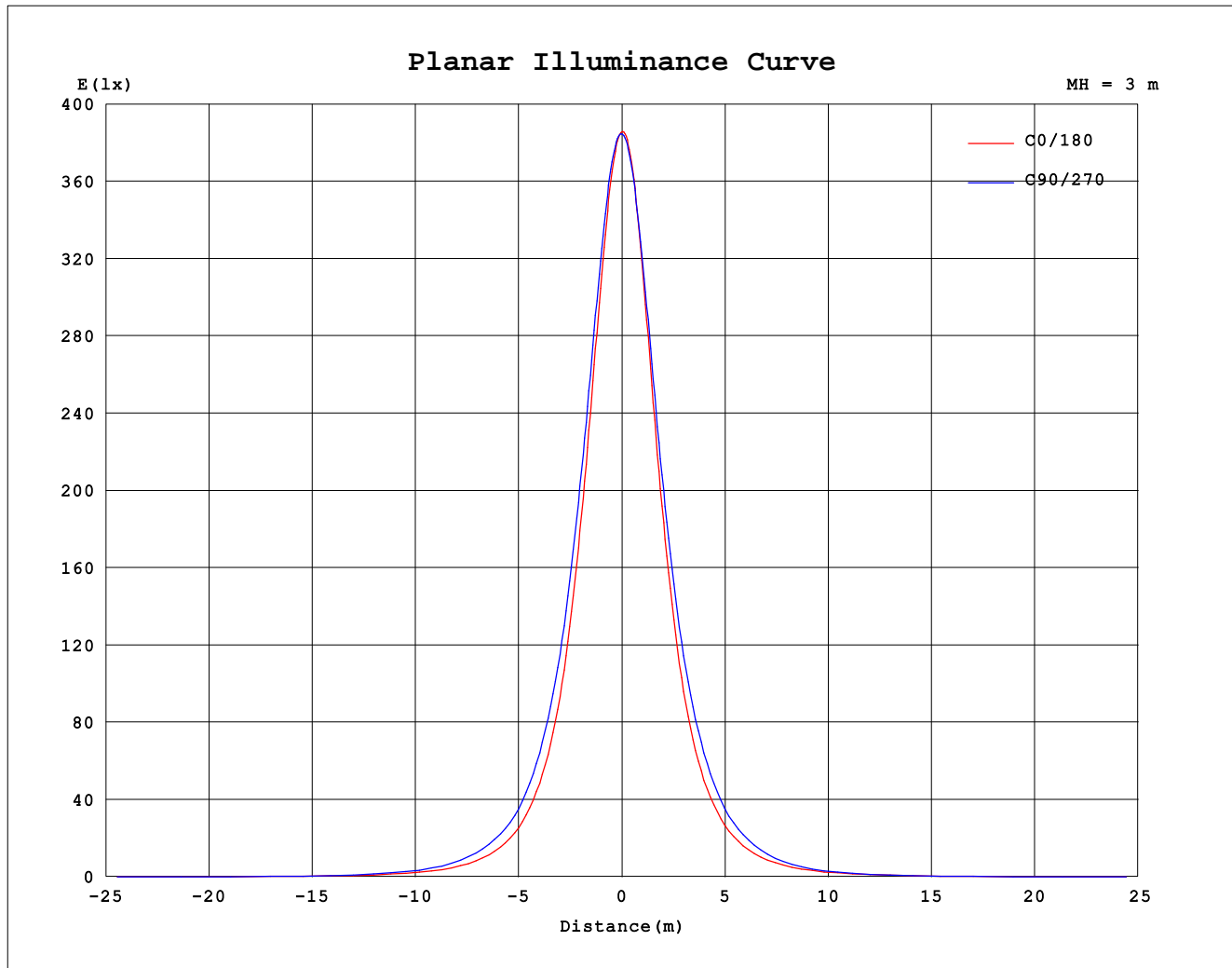


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Planar Illuminance Curve



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LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.8V I:0.9158A P:108.7W PF:0.9907 Lamp Flux:12022.6x1 lm																		
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MFR.: BEGHELLI DE MEXICO									SUR.:NA									

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	3472	3475	3478	3480	3482	3482	3481	3480	3478	3476	3474	3472	3470	3470	3469	3467	3466	3465	3464
5	3446	3450	3454	3457	3460	3462	3463	3464	3464	3463	3463	3463	3463	3463	3464	3464	3464	3464	3464
10	3396	3401	3406	3411	3416	3420	3423	3427	3429	3432	3435	3438	3441	3444	3447	3449	3451	3453	3454
15	3321	3327	3333	3340	3347	3355	3362	3369	3375	3381	3388	3394	3400	3407	3414	3419	3423	3426	3429
20	3225	3230	3237	3246	3256	3267	3277	3287	3298	3308	3320	3331	3342	3353	3363	3372	3378	3383	3387
25	3106	3112	3121	3132	3144	3158	3172	3186	3200	3215	3231	3248	3263	3280	3295	3308	3318	3326	3332
30	2962	2969	2980	2992	3007	3024	3042	3061	3081	3101	3123	3146	3168	3190	3212	3230	3244	3256	3263
35	2793	2800	2812	2826	2845	2866	2889	2913	2940	2967	2996	3025	3054	3082	3109	3133	3152	3168	3178
40	2597	2605	2617	2635	2656	2680	2708	2739	2773	2808	2846	2883	2918	2951	2983	3013	3039	3058	3071
45	2380	2389	2401	2419	2442	2470	2502	2539	2580	2625	2670	2714	2754	2794	2831	2867	2898	2921	2937
50	2151	2158	2171	2189	2212	2240	2274	2315	2362	2413	2464	2513	2562	2610	2655	2697	2734	2763	2783
55	1907	1913	1926	1943	1966	1994	2028	2070	2119	2173	2226	2284	2343	2395	2436	2470	2499	2524	2547
60	1647	1654	1664	1680	1702	1729	1762	1802	1851	1903	1960	2024	2082	2126	2161	2192	2228	2263	2293
65	1377	1383	1394	1408	1427	1450	1478	1516	1559	1607	1664	1723	1774	1818	1858	1902	1951	1995	2031
70	1098	1104	1114	1127	1143	1162	1186	1218	1252	1291	1340	1388	1435	1481	1533	1568	1592	1613	1622
75	821	826	834	845	859	875	895	918	943	971	1004	1038	1073	1118	1149	1167	1171	1141	1129
80	567	570	577	587	598	611	625	642	656	672	688	704	721	747	752	769	732	686	664
85	359	362	367	375	385	395	406	417	425	431	433	435	432	432	423	416	370	311	272
90	164	165	166	170	171	176	181	181	179	172	220	135	124	121	130	149	131	114	103
95	15.7	15.5	15.8	15.9	16.3	17.4	20.4	10.3	21.1	82.3	136	102	89.4	64.4	49.8	53.5	49.1	48.5	47.8
100	71.9	72.9	79.6	87.0	96.5	106	113	115	115	113	106	96.5	80.3	57.2	31.2	16.9	15.6	14.7	14.6
105	83.3	83.5	84.2	85.2	86.5	87.6	88.3	88.1	86.2	82.0	75.0	64.5	51.3	33.6	16.5	5.84	1.68	1.38	1.29
110	71.0	71.1	71.3	71.6	71.7	71.6	70.7	68.5	64.6	58.7	50.7	41.1	30.3	19.3	7.81	2.31	1.03	0.99	0.79
115	58.2	58.2	58.0	57.6	56.7	55.3	53.1	49.9	45.5	39.8	32.8	25.1	17.2	9.53	2.94	1.29	0.83	0.52	0.31
120	44.2	44.2	43.8	43.0	41.8	40.0	37.5	34.3	30.3	25.6	20.4	14.4	8.70	3.78	1.45	1.15	0.40	0.56	0.31
125	31.6	31.5	31.0	30.2	29.0	27.3	25.1	22.5	19.2	15.5	11.4	7.29	3.54	1.72	1.41	1.08	0.37	0.59	0.33
130	21.3	21.4	21.0	20.2	19.1	17.6	15.8	13.6	11.1	8.33	5.50	2.84	1.86	1.65	1.36	0.31	0.83	0.65	0.37
135	13.4	13.4	13.1	12.4	11.5	10.3	8.88	7.23	5.42	3.53	2.26	1.92	1.75	1.52	1.23	0.31	0.67	0.55	0.36
140	7.23	7.20	6.94	6.47	5.79	4.94	3.92	2.86	2.25	1.99	1.86	1.73	1.55	1.35	0.33	0.59	0.57	0.56	0.46
145	2.76	2.75	2.62	2.42	2.20	2.20	1.99	1.91	1.83	1.74	1.64	1.50	1.33	0.36	0.40	0.75	0.63	0.43	0.40
150	1.83	1.83	1.81	1.79	1.77	1.73	1.69	1.63	1.57	1.48	1.38	1.11	0.38	0.38	0.81	0.71	0.66	0.58	0.48
155	1.53	1.53	1.51	1.50	1.47	1.44	1.40	1.35	1.27	1.03	0.40	0.39	0.48	0.85	0.70	0.74	0.68	0.61	0.61
160	1.21	1.21	1.20	1.19	1.12	0.95	0.45	0.41	0.40	0.41	0.50	0.80	0.67	0.75	0.57	0.71	0.68	0.61	0.65
165	0.34	0.35	0.35	0.36	0.37	0.44	0.53	0.66	0.68	0.68	0.56	0.61	0.62	0.58	0.60	0.57	0.54	0.52	0.60
170	0.59	0.57	0.56	0.56	0.56	0.56	0.56	0.54	0.52	0.53	0.49	0.42	0.43	0.43	0.43	0.43	0.43	0.43	0.52
175	0.39	0.40	0.41	0.41	0.40	0.38	0.34	0.31	0.31	0.30	0.30	0.32	0.32	0.32	0.33	0.32	0.31	0.31	0.34
180	0.53	0.53	0.42	0.53	0.32	0.23	0.34	0.44	0.39	0.38	0.46	0.37	0.39	0.39	0.34	0.29	0.29	0.29	0.27

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:JALS
 Test Date:2023-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:57.9%
 Test Distance:2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.8V I:0.9158A P:108.7W PF:0.9907 Lamp Flux:12022.6x1 lm		
NAME: 117423504	TYPE:HORTICULTURA	SERIAL No.:NA
DIM.: 0.17 X 1.3	SPEC.:BS100LED4HTVHOWTTWE120-277V-FIORE	PROTECTION ANGLE:NA
MFR.: BEGHELLI DE MEXICO	SUR.:NA	

Table--2

UNIT: cd

C(DEC) γ (DEC)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	3462	3461	3462	3463	3465	3467	3471	3475	3479	3481	3484	3486	3488	3489	3490	3491	3493	3472	3475
5	3463	3463	3464	3466	3467	3470	3474	3477	3480	3482	3484	3485	3485	3485	3486	3487	3488	3473	3476
10	3454	3454	3455	3455	3456	3457	3459	3460	3461	3461	3460	3459	3457	3456	3454	3453	3453	3446	3448
15	3430	3430	3430	3430	3428	3427	3426	3424	3420	3415	3410	3405	3401	3397	3393	3390	3388	3388	3389
20	3389	3390	3389	3386	3382	3377	3372	3365	3357	3347	3338	3328	3319	3310	3302	3297	3294	3300	3301
25	3334	3334	3331	3325	3317	3307	3296	3283	3269	3254	3238	3221	3207	3193	3182	3173	3168	3181	3182
30	3266	3264	3258	3248	3234	3217	3198	3177	3154	3132	3109	3086	3066	3047	3032	3020	3013	3032	3032
35	3182	3179	3171	3154	3132	3106	3077	3046	3014	2983	2954	2926	2901	2879	2861	2847	2838	2861	2861
40	3076	3072	3060	3039	3010	2974	2933	2891	2849	2811	2775	2742	2713	2687	2666	2649	2639	2667	2667
45	2942	2936	2919	2891	2855	2811	2763	2713	2663	2615	2571	2533	2499	2471	2447	2430	2417	2451	2451
50	2792	2785	2761	2722	2673	2618	2562	2505	2448	2393	2342	2299	2263	2234	2211	2193	2181	2217	2217
55	2562	2565	2550	2514	2462	2398	2331	2263	2199	2143	2091	2047	2012	1985	1964	1947	1935	1974	1973
60	2309	2306	2285	2252	2199	2135	2064	1992	1925	1870	1824	1783	1751	1725	1706	1691	1680	1723	1722
65	2056	2028	1997	1950	1894	1826	1758	1694	1632	1580	1539	1504	1474	1450	1432	1419	1408	1456	1455
70	1643	1656	1623	1597	1548	1487	1423	1368	1319	1273	1237	1207	1179	1157	1139	1125	1115	1168	1166
75	1146	1172	1198	1177	1155	1115	1071	1028	991	955	925	901	878	859	843	831	821	874	871
80	678	711	751	770	758	748	721	698	676	655	635	619	602	586	573	563	555	601	600
85	292	346	397	429	432	438	434	430	423	414	404	393	381	369	359	351	345	385	384
90	112	148	165	193	188	216	219	222	222	220	213	208	201	193	183	176	172	218	216
95	49.6	52.8	59.2	56.7	53.6	57.9	20.4	4.25	20.2	18.1	18.4	8.83	11.9	34.7	15.0	15.0	27.7	50.9	49.6
100	15.5	16.3	21.5	27.6	42.1	63.8	86.2	105	112	114	106	87.1	76.2	75.7	51.3	47.4	45.7	22.4	24.8
105	2.27	2.36	2.67	11.2	26.0	43.1	58.2	70.1	79.1	84.8	87.6	88.4	87.9	86.8	85.5	84.4	83.6	85.9	86.0
110	1.67	1.56	1.98	5.11	13.8	24.7	35.5	45.2	53.8	60.4	65.2	68.3	70.0	70.8	71.1	71.1	70.9	73.6	73.6
115	1.41	1.39	2.00	3.48	6.69	13.2	20.8	28.2	35.1	40.9	45.7	49.5	52.3	54.2	55.4	56.2	56.6	60.0	59.8
120	1.56	0.95	2.24	3.45	4.25	6.71	11.3	16.7	22.0	26.5	30.5	33.9	36.6	38.7	40.2	41.3	41.9	45.3	45.1
125	1.59	0.83	2.40	3.35	3.75	4.38	6.00	9.17	12.7	16.2	19.6	22.3	24.5	26.4	27.8	28.8	29.4	32.2	32.0
130	1.43	1.10	2.48	3.24	3.52	3.73	4.17	4.98	6.96	9.25	11.5	13.6	15.5	17.1	18.3	19.2	19.7	21.9	21.8
135	1.13	1.63	0.32	2.99	3.35	3.49	3.60	3.83	4.25	5.03	6.39	7.85	9.16	10.3	11.2	11.9	12.3	14.0	13.8
140	1.03	1.42	0.36	1.93	3.08	3.29	3.38	3.44	3.57	3.76	4.03	4.34	4.91	5.63	6.26	6.75	7.07	8.42	8.31
145	1.01	1.43	1.83	0.36	2.70	3.03	3.20	3.27	3.31	3.36	3.44	3.56	3.67	3.78	3.86	3.94	4.01	4.72	4.68
150	1.11	1.56	1.81	0.53	0.38	2.55	2.89	3.06	3.14	3.18	3.21	3.23	3.26	3.29	3.33	3.36	3.37	3.65	3.64
155	1.00	1.26	1.52	1.62	0.44	0.38	1.14	2.64	2.82	2.95	3.01	3.04	3.06	3.08	3.08	3.09	3.10	3.30	3.31
160	0.92	1.15	1.37	1.43	1.47	1.28	0.41	0.37	0.37	1.83	2.58	2.68	2.76	2.82	2.87	2.90	2.92	3.15	3.16
165	0.74	0.91	0.91	1.16	1.17	1.29	1.35	1.41	0.62	0.36	0.34	0.33	0.33	0.34	1.08	1.09	1.42	2.74	2.71
170	0.63	0.67	0.79	0.79	0.77	0.88	0.98	1.02	1.19	1.22	1.25	1.28	1.32	1.35	1.35	1.33	1.33	0.67	0.70
175	0.40	0.45	0.49	0.56	0.62	0.63	0.66	0.66	0.71	0.72	0.71	0.73	0.77	0.83	0.87	0.91	0.97	1.43	1.44
180	0.16	0.11	0.15	0.26	0.29	0.45	0.53	0.48	0.30	0.47	0.51	0.47	0.46	0.69	0.00	0.11	0.27	0.68	0.74

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:JALS
 Test Date:2023-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:57.9%
 Test Distance:2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.8V I:0.9158A P:108.7W PF:0.9907 Lamp Flux:12022.6x1 lm		
NAME: 117423504	TYPE:HORTICULTURA	SERIAL No.:NA
DIM.: 0.17 X 1.3	SPEC.:BS100LED4HTVHOWTTWE120-277V	PROTECTION ANGLE:NA
MFR.: BEGHELLI DE MEXICO	SUR.:NA	

Table--3

UNIT: cd

C(DEC) γ (DEC)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	3478	3480	3482	3482	3481	3480	3478	3476	3474	3472	3470	3470	3469	3467	3466	3465	3464	3462	3461
5	3478	3480	3480	3480	3479	3477	3474	3471	3469	3466	3464	3463	3461	3459	3457	3455	3453	3450	3449
10	3450	3452	3453	3453	3452	3451	3449	3447	3445	3444	3443	3442	3440	3438	3436	3433	3431	3427	3424
15	3391	3394	3396	3397	3398	3400	3401	3402	3404	3405	3406	3407	3407	3406	3404	3401	3398	3394	3389
20	3304	3307	3311	3316	3321	3326	3332	3338	3344	3350	3355	3360	3364	3365	3365	3363	3359	3353	3346
25	3184	3190	3198	3206	3217	3229	3240	3253	3266	3278	3289	3300	3308	3312	3313	3312	3307	3300	3292
30	3037	3045	3056	3069	3085	3103	3123	3143	3164	3185	3202	3216	3227	3234	3237	3236	3232	3223	3212
35	2866	2876	2889	2907	2928	2951	2977	3005	3033	3060	3085	3106	3124	3136	3143	3144	3141	3131	3117
40	2673	2685	2701	2723	2747	2774	2805	2839	2874	2909	2943	2975	3003	3025	3037	3042	3038	3026	3007
45	2457	2470	2489	2513	2541	2571	2608	2648	2691	2736	2780	2825	2863	2894	2915	2923	2920	2905	2881
50	2223	2236	2256	2280	2308	2342	2384	2432	2483	2537	2593	2646	2694	2734	2761	2773	2770	2754	2726
55	1979	1991	2009	2030	2058	2091	2136	2187	2244	2307	2370	2431	2488	2533	2559	2564	2555	2535	2508
60	1727	1737	1753	1771	1795	1828	1870	1920	1976	2040	2112	2177	2231	2268	2288	2295	2287	2264	2231
65	1459	1467	1481	1497	1519	1549	1588	1632	1683	1747	1812	1874	1922	1947	1959	1959	1956	1961	1912
70	1169	1176	1187	1203	1223	1252	1286	1324	1371	1425	1479	1530	1539	1547	1537	1509	1498	1513	1518
75	874	879	888	900	918	940	967	997	1037	1078	1123	1135	1137	1121	1080	1048	1033	1049	1070
80	602	605	613	622	634	649	666	685	707	725	748	746	742	705	658	618	600	616	652
85	386	390	396	403	412	421	430	438	444	449	449	437	424	387	338	283	250	275	330
90	216	217	219	222	225	228	227	224	212	202	186	174	169	162	141	112	102	108	138
95	27.0	19.1	15.6	27.2	73.2	0.02	0.73	47.7	33.0	30.1	54.7	61.1	60.0	53.4	46.5	44.4	42.2	42.6	44.0
100	29.3	36.3	46.2	60.3	78.8	102	117	117	112	94.4	72.7	49.7	31.4	16.5	9.89	9.08	9.45	10.3	9.40
105	86.6	87.6	88.8	90.0	90.9	90.8	89.1	85.0	77.5	65.4	49.9	31.0	14.5	3.91	1.31	1.00	0.29	0.75	1.10
110	73.7	73.7	73.6	73.0	71.7	69.2	65.2	59.5	51.8	41.5	29.7	17.3	7.20	2.09	1.15	1.26	0.25	0.88	1.27
115	59.5	58.7	57.6	55.9	53.4	49.9	45.2	39.6	32.8	25.1	17.0	9.30	3.85	1.79	1.43	1.38	0.24	0.96	1.32
120	44.5	43.5	42.0	39.9	37.2	33.9	29.9	25.2	20.0	14.4	9.11	5.05	3.66	2.03	1.17	1.36	0.30	0.99	1.21
125	31.4	30.4	29.0	27.2	24.9	22.1	18.8	15.2	11.4	7.85	5.01	4.12	3.02	2.20	1.16	1.77	0.45	0.98	1.17
130	21.3	20.4	19.2	17.6	15.7	13.5	11.1	8.64	6.23	4.73	4.04	3.64	3.11	2.20	1.35	1.47	0.54	0.92	1.12
135	13.4	12.8	11.9	10.7	9.36	7.82	6.19	4.95	4.15	3.79	3.54	3.38	2.94	0.33	1.57	1.32	0.58	0.69	0.95
140	8.01	7.51	6.84	6.03	5.29	4.59	4.07	3.78	3.54	3.41	3.33	3.17	2.04	0.38	1.80	1.68	0.77	0.69	0.85
145	4.56	4.21	4.07	3.96	3.83	3.66	3.50	3.39	3.33	3.27	3.15	2.86	0.41	1.55	1.59	1.55	0.76	0.58	0.72
150	3.60	3.56	3.50	3.44	3.39	3.35	3.31	3.27	3.21	3.07	2.80	0.47	0.51	1.38	1.41	1.19	0.72	0.54	0.63
155	3.31	3.30	3.29	3.28	3.25	3.22	3.17	3.07	2.90	1.59	0.52	0.52	1.40	1.40	1.23	0.98	0.69	0.52	0.58
160	3.16	3.15	3.14	3.10	3.04	2.94	2.79	1.01	0.58	0.58	0.88	1.65	1.54	1.24	1.23	0.96	0.73	0.55	0.61
165	2.58	2.19	1.27	0.65	0.65	0.64	0.65	0.65	1.00	1.94	1.87	1.67	1.50	1.51	1.29	1.05	0.82	0.55	0.57
170	0.77	0.90	1.11	1.50	1.83	2.01	1.92	1.82	1.76	1.78	1.77	1.68	1.57	1.36	1.17	1.02	0.92	0.71	0.55
175	1.46	1.48	1.48	1.47	1.46	1.46	1.46	1.44	1.39	1.31	1.23	1.15	1.09	1.01	0.90	0.77	0.67	0.60	0.54
180	0.73	0.72	0.70	0.66	0.63	0.62	0.61	0.59	0.57	0.55	0.52	0.50	0.48	0.46	0.45	0.43	0.42	0.41	0.40

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:JALS
 Test Date:2023-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:57.9%
 Test Distance:2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.8V I:0.9158A P:108.7W PF:0.9907 Lamp Flux:12022.6x1 lm																	
NAME: 117423504									TYPE:HORTICULTURA						SERIAL No.:NA		
DIM.: 0.17 X 1.3									SPEC.:BS100LED4HTVHOWTTWE120-277V						PROTECTION ANGLE:NA		
MFR.: BEGHELLI DE MEXICO									SUR.:NA								

Table--4

UNIT: cd

C(DEC) γ (DEC)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355			
0	3462	3463	3465	3467	3471	3475	3479	3481	3484	3486	3488	3489	3490	3491	3493			
5	3448	3448	3449	3451	3454	3457	3460	3462	3464	3465	3467	3468	3468	3470	3472			
10	3422	3421	3420	3420	3421	3422	3423	3424	3424	3424	3424	3424	3424	3425	3427			
15	3385	3381	3378	3374	3372	3370	3368	3366	3364	3362	3359	3357	3356	3356	3358			
20	3340	3332	3324	3317	3310	3303	3295	3288	3282	3276	3272	3268	3265	3264	3266			
25	3282	3271	3259	3247	3233	3220	3206	3194	3182	3172	3165	3158	3153	3151	3151			
30	3199	3185	3169	3153	3135	3117	3099	3081	3063	3048	3035	3025	3018	3015	3013			
35	3100	3080	3058	3036	3014	2991	2968	2945	2921	2900	2882	2867	2857	2851	2848			
40	2985	2959	2931	2902	2872	2842	2812	2782	2753	2726	2702	2684	2669	2660	2657			
45	2851	2817	2782	2746	2708	2669	2630	2592	2556	2523	2496	2473	2457	2447	2443			
50	2690	2650	2608	2565	2518	2469	2421	2374	2333	2297	2268	2246	2229	2219	2215			
55	2478	2443	2399	2349	2296	2239	2183	2132	2087	2051	2022	2001	1985	1975	1972			
60	2200	2175	2142	2094	2036	1977	1919	1865	1821	1785	1759	1739	1725	1716	1713			
65	1889	1865	1835	1793	1738	1679	1625	1575	1534	1503	1480	1463	1452	1446	1443			
70	1503	1502	1489	1453	1405	1354	1308	1268	1235	1210	1191	1179	1170	1165	1164			
75	1103	1099	1097	1081	1049	1016	984	957	934	917	903	894	888	884	884			
80	695	714	714	717	706	694	681	668	656	646	638	631	626	623	621			
85	381	407	416	431	439	443	443	440	435	429	423	417	412	408	407			
90	162	165	168	184	202	213	225	230	232	230	226	223	220	218	217			
95	51.7	50.2	53.1	65.3	48.4	23.4	64.1	46.1	0.72	0.28	30.6	73.8	10.4	30.8	8.54			
100	14.5	27.4	47.5	69.8	91.3	108	115	118	118	106	88.3	73.6	62.9	55.7	51.4			
105	3.36	12.9	29.2	47.7	63.0	74.8	82.8	87.5	89.9	90.7	90.5	89.8	88.9	88.1	87.6			
110	1.25	6.48	16.4	28.6	40.0	50.4	58.5	64.9	69.5	72.3	73.7	74.4	74.5	74.5	74.5			
115	1.15	2.57	8.58	16.3	24.5	32.4	39.6	45.8	50.8	54.6	57.3	59.3	60.6	61.4	61.9			
120	1.01	2.14	3.67	8.36	14.0	20.0	25.6	30.6	35.1	38.7	41.7	44.0	45.7	46.9	47.6			
125	0.88	2.14	2.38	3.53	7.15	11.2	15.4	19.4	23.0	26.1	28.7	30.8	32.4	33.6	34.4			
130	0.31	1.86	2.13	2.29	2.89	5.53	8.39	11.3	14.1	16.6	18.7	20.5	21.9	22.9	23.5			
135	0.32	1.52	1.82	2.03	2.18	2.34	3.61	5.72	7.66	9.52	11.2	12.6	13.7	14.5	15.0			
140	0.90	0.35	1.50	1.73	1.91	2.03	2.13	2.31	3.14	4.46	5.65	6.64	7.46	8.06	8.43			
145	0.79	0.37	0.40	1.42	1.60	1.75	1.86	1.94	2.01	2.07	2.18	2.49	2.90	3.27	3.52			
150	0.68	0.77	0.41	0.44	1.29	1.45	1.56	1.66	1.73	1.79	1.83	1.85	1.88	1.90	1.91			
155	0.65	0.71	0.79	0.45	0.46	0.55	1.25	1.35	1.43	1.49	1.54	1.58	1.60	1.62	1.64			
160	0.68	0.72	0.79	0.84	0.87	0.48	0.48	0.51	0.55	1.03	1.23	1.27	1.31	1.33	1.35			
165	0.60	0.65	0.69	0.72	0.75	0.77	0.79	0.81	0.59	0.52	0.52	0.53	0.54	0.56	0.57			
170	0.57	0.59	0.61	0.64	0.67	0.70	0.71	0.71	0.71	0.72	0.73	0.75	0.79	0.81	0.83			
175	0.48	0.48	0.48	0.49	0.49	0.50	0.51	0.52	0.53	0.59	0.61	0.63	0.63	0.64	0.66			
180	0.40	0.39	0.39	0.39	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.41	0.43	0.46	0.49			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:JALS
 Test Date:2023-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:57.9%
 Test Distance:2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE

Photometric Data Table [cd]

G/C	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0
0.0	3472	3475	3478	3480	3482	3482	3481	3480	3478	3476
3.0	3459	3463	3466	3469	3471	3473	3473	3473	3472	3470
6.0	3438	3443	3446	3450	3453	3456	3457	3458	3458	3458
9.0	3408	3413	3417	3422	3426	3430	3433	3435	3437	3440
12.0	3369	3375	3379	3385	3391	3397	3402	3406	3410	3414
15.0	3321	3327	3333	3340	3347	3355	3362	3369	3375	3381
18.0	3266	3271	3278	3286	3295	3304	3313	3322	3331	3340
21.0	3203	3209	3216	3226	3236	3247	3258	3268	3279	3291
24.0	3132	3138	3146	3157	3168	3182	3195	3208	3221	3236
27.0	3051	3058	3067	3079	3093	3107	3123	3139	3155	3172
30.0	2962	2969	2980	2992	3007	3024	3042	3061	3081	3101
33.0	2864	2871	2883	2896	2913	2932	2954	2975	2999	3024
36.0	2756	2764	2775	2790	2809	2831	2854	2880	2908	2938
39.0	2638	2646	2658	2675	2696	2719	2746	2776	2808	2842
42.0	2512	2520	2533	2551	2573	2599	2629	2663	2699	2738
45.0	2380	2389	2401	2419	2442	2470	2502	2539	2580	2625
48.0	2244	2252	2265	2283	2306	2334	2368	2407	2452	2501
51.0	2104	2111	2123	2141	2164	2193	2227	2268	2315	2368
54.0	1957	1963	1977	1994	2017	2045	2079	2121	2170	2224
57.0	1804	1811	1823	1840	1863	1891	1924	1966	2015	2069
60.0	1647	1654	1664	1680	1702	1729	1762	1802	1851	1903
63.0	1486	1493	1504	1519	1539	1562	1593	1633	1679	1728
66.0	1322	1329	1339	1353	1371	1392	1421	1457	1499	1544
69.0	1154	1160	1170	1183	1199	1220	1245	1277	1314	1355
72.0	985.5	991.3	1000	1012	1027	1046	1068	1097	1127	1163
75.0	820.9	826.3	834.0	845.4	858.8	874.5	894.6	918.4	942.7	971.0
78.0	664.1	668.4	675.6	684.9	697.2	711.3	728.3	747.3	765.6	787.1
81.0	520.4	524.2	529.8	538.9	550.2	562.7	576.5	591.2	604.5	618.4
84.0	395.6	398.8	404.3	412.3	422.5	433.6	445.1	456.4	465.4	472.9
87.0	292.4	294.6	299.3	306.2	315.0	324.9	335.2	344.4	350.9	354.4
90.0	163.5	164.5	166.5	170.2	171.5	176.1	181.1	181.3	178.9	171.8
93.0	40.94	40.05	39.32	36.89	32.80	26.71	19.19	41.52	34.83	43.72
96.0	3.164	3.260	4.167	5.716	8.563	13.00	21.62	39.24	53.79	101.7
99.0	52.10	53.11	57.98	64.74	73.25	88.28	104.9	118.7	123.2	120.8
102.0	92.53	92.94	94.02	95.66	97.73	99.90	101.8	102.7	102.0	98.59
105.0	83.25	83.47	84.19	85.22	86.45	87.61	88.35	88.10	86.21	82.01
108.0	75.75	75.87	76.27	76.81	77.36	77.69	77.43	76.17	73.31	67.76
111.0	68.66	68.77	68.91	68.99	68.96	68.51	67.15	64.55	60.46	54.48
114.0	60.97	61.01	60.91	60.51	59.85	58.57	56.49	53.42	49.03	43.22
117.0	52.55	52.57	52.29	51.65	50.58	48.94	46.57	43.28	38.96	33.50
120.0	44.20	44.20	43.83	43.03	41.77	39.98	37.51	34.32	30.31	25.62
123.0	36.35	36.31	35.87	35.02	33.75	31.98	29.64	26.72	23.12	19.27
126.0	29.26	29.21	28.80	27.99	26.77	25.14	23.18	20.53	17.34	13.85
129.0	23.06	23.28	22.82	22.05	20.94	19.34	17.42	15.12	12.52	9.547
132.0	17.92	17.87	17.51	16.80	15.77	14.45	12.80	10.79	8.562	6.175
135.0	13.43	13.39	13.06	12.42	11.50	10.31	8.881	7.226	5.417	3.531
138.0	9.481	9.453	9.156	8.619	7.844	6.881	5.698	4.359	2.990	2.302
141.0	6.205	6.184	5.940	5.499	4.865	4.055	3.167	2.376	1.639	1.032
144.0	3.481	3.461	3.290	2.971	2.585	2.162	1.713	1.253	0.886	0.591
147.0	2.220	2.218	2.171	1.991	1.797	1.515	1.163	0.813	0.566	0.386
150.0	1.827	1.825	1.814	1.793	1.767	1.731	1.688	1.632	1.566	1.484
153.0	1.649	1.648	1.636	1.616	1.591	1.560	1.518	1.467	1.402	1.308
156.0	1.464	1.463	1.453	1.436	1.411	1.379	1.337	1.279	1.188	1.062
159.0	1.280	1.284	1.279	1.261	1.231	1.185	1.004	0.847	0.704	0.579
162.0	0.5348	0.5204	0.4667	0.4318	0.4196	0.4115	0.4119	0.4118	0.4197	0.5795
165.0	0.3422	0.3475	0.3540	0.3622	0.3743	0.4445	0.5347	0.6565	0.6804	0.6762
168.0	0.6636	0.6571	0.6567	0.6543	0.6587	0.6446	0.5972	0.5243	0.5404	0.5485
171.0	0.5613	0.5626	0.5612	0.5557	0.5495	0.5404	0.5315	0.5127	0.4934	0.4816
174.0	0.4353	0.4465	0.4545	0.4579	0.4504	0.4277	0.3891	0.3635	0.3242	0.3249
177.0	0.4602	0.4619	0.4606	0.4383	0.3712	0.3165	0.3404	0.3610	0.3389	0.3312
180.0	0.5325	0.5339	0.4249	0.5296	0.3229	0.2272	0.3447	0.4377	0.3886	0.3814

G/C	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0	90.0	95.0
0.0	3474	3472	3470	3469	3469	3467	3466	3465	3464	3462
3.0	3470	3468	3468	3467	3467	3467	3466	3466	3465	3464
6.0	3459	3459	3459	3460	3462	3462	3462	3463	3463	3463
9.0	3442	3444	3446	3449	3452	3454	3455	3456	3457	3457
12.0	3419	3423	3427	3432	3436	3440	3442	3444	3445	3446
15.0	3388	3394	3400	3407	3414	3419	3423	3426	3429	3430
18.0	3350	3359	3368	3377	3386	3393	3398	3403	3406	3408
21.0	3303	3316	3328	3339	3350	3360	3367	3373	3377	3379
24.0	3251	3265	3281	3295	3309	3321	3331	3339	3344	3346
27.0	3190	3209	3227	3246	3264	3279	3291	3300	3306	3309
30.0	3123	3146	3168	3190	3212	3230	3244	3256	3263	3266

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 24.2DEG
 Operators: JALS
 Test Date: 2023-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity: 57.9%
 Test Distance: 2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE

Photometric Data Table [cd]

33.0	3049	3076	3102	3128	3152	3174	3192	3205	3214	3218
36.0	2968	2998	3028	3057	3086	3111	3131	3148	3159	3163
39.0	2878	2913	2947	2979	3010	3040	3064	3083	3095	3100
42.0	2779	2818	2856	2891	2926	2958	2986	3006	3020	3025
45.0	2670	2714	2754	2794	2831	2867	2898	2921	2937	2942
48.0	2551	2597	2642	2686	2729	2769	2804	2832	2850	2857
51.0	2419	2470	2520	2570	2616	2658	2695	2723	2744	2754
54.0	2276	2332	2389	2441	2485	2522	2553	2578	2600	2615
57.0	2123	2184	2244	2294	2331	2361	2392	2419	2444	2460
60.0	1960	2024	2082	2126	2161	2192	2228	2263	2293	2309
63.0	1786	1849	1902	1946	1982	2019	2063	2107	2141	2157
66.0	1601	1658	1708	1753	1795	1842	1890	1930	1965	1995
69.0	1406	1456	1504	1550	1600	1643	1671	1699	1716	1742
72.0	1205	1247	1291	1338	1387	1406	1432	1425	1422	1443
75.0	1004	1038	1073	1118	1149	1167	1171	1141	1129	1146
78.0	809.5	833.3	857.8	893.6	907.6	927.6	902.7	862.5	845.5	859.5
81.0	631.0	644.6	656.1	676.1	678.5	688.2	649.3	602.0	577.2	592.1
84.0	478.0	480.9	481.9	485.9	480.9	475.7	430.5	373.4	339.2	356.7
87.0	353.2	350.0	342.4	332.2	320.8	312.2	269.8	218.2	179.4	201.7
90.0	220.5	135.1	123.6	120.6	129.9	148.9	131.3	113.8	103.3	111.7
93.0	169.6	70.43	14.40	45.68	40.81	54.31	64.66	67.28	67.78	70.40
96.0	118.8	117.8	92.07	67.79	49.15	45.68	41.69	39.61	39.60	40.70
99.0	114.7	104.6	84.89	61.67	35.95	21.90	21.30	19.75	19.50	20.56
102.0	91.91	82.27	69.24	46.44	23.75	9.567	5.786	6.344	6.394	7.131
105.0	75.04	64.47	51.33	33.56	16.51	5.842	1.681	1.376	1.290	2.274
108.0	59.53	49.36	37.70	24.02	11.05	3.398	1.132	0.7709	0.5294	1.385
111.0	46.68	37.36	27.17	16.94	6.524	1.868	0.9448	1.028	0.9111	1.811
114.0	35.97	27.79	19.54	11.17	3.669	1.322	0.8508	0.5078	0.4758	1.546
117.0	27.20	20.53	13.29	6.831	1.936	1.221	0.4959	0.5779	0.2902	1.586
120.0	20.39	14.40	8.703	3.782	1.453	1.152	0.3988	0.5633	0.3111	1.558
123.0	14.55	9.775	5.269	2.062	1.406	1.104	0.3716	0.5443	0.3123	1.440
126.0	10.04	6.214	2.844	1.685	1.409	1.071	0.5783	0.5799	0.3268	1.638
129.0	6.492	3.550	1.914	1.656	1.375	0.3220	0.8182	0.6481	0.3575	1.584
132.0	3.772	2.272	1.833	1.608	1.324	0.3076	0.8045	0.6499	0.3824	1.175
135.0	2.259	1.922	1.753	1.523	1.235	0.3110	0.6696	0.5531	0.3581	1.128
138.0	1.950	1.809	1.636	1.425	0.3233	0.4983	0.5830	0.5218	0.3775	1.013
141.0	1.817	1.682	1.514	1.306	0.3304	0.6148	0.5544	0.5636	0.4801	0.9855
144.0	1.688	1.549	1.383	0.3577	0.3463	0.7297	0.5930	0.4446	0.4134	0.9998
147.0	1.537	1.407	1.012	0.3611	0.7967	0.7537	0.6848	0.4817	0.4004	1.039
150.0	1.378	1.112	0.3787	0.3810	0.8099	0.7101	0.6566	0.5773	0.4779	1.110
153.0	1.035	0.3986	0.3828	0.8420	0.6463	0.7340	0.6863	0.6129	0.5760	1.077
156.0	0.3915	0.3908	0.7136	0.7638	0.7355	0.7321	0.6820	0.6136	0.6319	0.9912
159.0	0.4051	0.7545	0.8387	0.7258	0.6019	0.7215	0.6844	0.6103	0.6441	0.9506
162.0	0.7944	0.7399	0.6784	0.7090	0.6624	0.6888	0.6629	0.6160	0.6432	0.8614
165.0	0.5607	0.6104	0.6188	0.5847	0.6020	0.5692	0.5444	0.5190	0.5963	0.7445
168.0	0.5386	0.5300	0.4882	0.4949	0.4867	0.4867	0.4829	0.4715	0.6080	0.6992
171.0	0.4422	0.4180	0.4098	0.4074	0.4128	0.4118	0.4039	0.4018	0.4767	0.5914
174.0	0.3256	0.3338	0.3435	0.3467	0.3435	0.3365	0.3298	0.3360	0.4076	0.4725
177.0	0.3644	0.3418	0.3473	0.3493	0.3300	0.3096	0.3003	0.3058	0.3129	0.3035
180.0	0.4610	0.3720	0.3912	0.3923	0.3358	0.2869	0.2851	0.2924	0.2684	0.1583
G/C	100.0	105.0	110.0	115.0	120.0	125.0	130.0	135.0	140.0	145.0
0.0	3461	3462	3463	3465	3467	3471	3475	3479	3481	3484
3.0	3464	3465	3466	3468	3471	3475	3479	3482	3484	3487
6.0	3462	3463	3465	3467	3469	3472	3475	3478	3479	3481
9.0	3457	3458	3459	3459	3461	3463	3465	3467	3467	3466
12.0	3447	3447	3447	3447	3447	3447	3447	3447	3445	3443
15.0	3430	3430	3430	3428	3427	3426	3424	3420	3415	3410
18.0	3408	3408	3406	3403	3400	3396	3392	3385	3377	3370
21.0	3380	3378	3375	3371	3366	3358	3351	3341	3331	3320
24.0	3346	3343	3338	3331	3323	3313	3302	3289	3275	3260
27.0	3308	3303	3296	3286	3274	3259	3244	3227	3208	3189
30.0	3264	3258	3248	3234	3217	3198	3177	3154	3132	3109
33.0	3216	3208	3194	3175	3153	3129	3102	3073	3045	3018
36.0	3160	3151	3133	3110	3082	3050	3017	2983	2950	2920
39.0	3097	3085	3064	3037	3002	2964	2924	2884	2847	2812
42.0	3021	3007	2983	2952	2913	2869	2823	2778	2735	2697
45.0	2936	2919	2891	2855	2811	2763	2713	2663	2615	2571
48.0	2850	2827	2792	2748	2699	2646	2592	2538	2485	2437
51.0	2749	2725	2685	2634	2577	2518	2459	2400	2345	2294
54.0	2616	2599	2561	2508	2445	2379	2314	2252	2195	2143
57.0	2462	2447	2414	2362	2300	2229	2158	2092	2036	1986
60.0	2306	2285	2252	2199	2135	2064	1992	1925	1870	1824
63.0	2145	2115	2074	2021	1953	1885	1816	1752	1698	1655
66.0	1961	1933	1886	1828	1760	1692	1631	1571	1520	1481

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:JALS
 Test Date:2023-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:57.9%
 Test Distance:2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE

Photometric Data Table [cd]

69.0	1737	1705	1676	1619	1556	1491	1434	1382	1336	1299
72.0	1466	1458	1429	1398	1339	1284	1233	1188	1146	1112
75.0	1172	1198	1177	1155	1115	1071	1028	990.8	955.1	925.4
78.0	887.3	924.4	930.8	908.0	892.0	857.8	824.9	797.0	769.6	745.9
81.0	626.0	667.4	692.9	685.6	677.7	655.9	637.5	618.5	600.0	583.6
84.0	405.3	455.1	487.1	487.2	491.6	483.5	476.8	466.5	456.1	444.7
87.0	249.7	299.2	330.2	336.1	345.8	347.7	348.9	345.5	339.5	331.8
90.0	147.9	165.0	192.5	188.2	215.9	218.7	221.6	222.4	220.3	212.9
93.0	71.88	68.42	58.99	28.27	46.27	41.40	10.89	29.53	44.63	55.28
96.0	43.28	52.63	53.43	50.97	63.76	56.80	41.02	16.19	4.971	0.4629
99.0	21.74	27.39	33.82	45.14	67.18	89.91	110.8	118.9	101.0	79.25
102.0	7.346	9.610	18.86	35.68	55.76	76.41	89.68	97.73	101.6	102.4
105.0	2.361	2.668	11.18	25.98	43.06	58.17	70.07	79.12	84.79	87.62
108.0	1.439	1.987	6.974	17.90	31.09	43.40	54.12	63.08	69.63	73.95
111.0	1.609	1.998	4.422	12.05	22.13	31.99	41.37	49.53	56.09	61.00
114.0	1.402	1.993	3.498	7.769	15.05	23.06	31.08	38.32	44.38	49.27
117.0	1.426	2.047	3.494	5.130	10.01	16.45	23.10	29.15	34.54	39.07
120.0	0.9548	2.241	3.455	4.250	6.707	11.32	16.65	21.97	26.46	30.50
123.0	0.8972	2.342	3.350	3.965	4.821	7.741	11.66	15.91	20.06	23.45
126.0	0.7933	2.431	3.340	3.663	4.239	5.339	8.089	11.29	14.55	17.63
129.0	0.7843	2.480	3.269	3.547	3.832	4.341	5.568	7.889	10.42	12.84
132.0	1.597	1.370	3.151	3.460	3.612	3.869	4.347	5.432	7.269	9.205
135.0	1.630	0.3189	2.995	3.351	3.488	3.602	3.833	4.250	5.027	6.389
138.0	1.464	0.3345	2.789	3.215	3.372	3.451	3.549	3.758	4.078	4.501
141.0	1.400	0.3670	1.143	3.014	3.252	3.346	3.404	3.480	3.637	3.859
144.0	1.419	1.532	0.3524	2.790	3.099	3.237	3.307	3.351	3.408	3.515
147.0	1.459	1.834	0.3790	1.147	2.883	3.103	3.196	3.250	3.286	3.325
150.0	1.557	1.806	0.5288	0.3766	2.552	2.886	3.059	3.139	3.183	3.212
153.0	1.468	1.644	1.740	0.4062	0.3794	2.610	2.829	2.994	3.061	3.104
156.0	1.214	1.517	1.620	0.9208	0.3966	0.3986	2.426	2.720	2.858	2.955
159.0	1.154	1.469	1.518	1.575	0.4884	0.3943	0.3718	1.386	2.557	2.682
162.0	0.9847	1.165	1.297	1.358	1.423	0.8781	0.4029	0.3746	0.3731	1.110
165.0	0.9083	0.9131	1.163	1.169	1.294	1.349	1.408	0.6186	0.3596	0.3367
168.0	0.8366	0.8497	0.8470	1.002	1.042	1.193	1.284	1.341	1.368	1.342
171.0	0.6318	0.7119	0.7396	0.7387	0.7471	0.8750	0.9046	0.9911	1.137	1.181
174.0	0.5152	0.5562	0.6137	0.6668	0.6796	0.7080	0.7452	0.7476	0.7155	0.7439
177.0	0.3149	0.3539	0.4405	0.4886	0.5587	0.6078	0.5891	0.5478	0.6192	0.6272
180.0	0.1081	0.1469	0.2640	0.2916	0.4458	0.5304	0.4810	0.2976	0.4748	0.5056
G/C	150.0	155.0	160.0	165.0	170.0	175.0	180.0	185.0	190.0	195.0
0.0	3486	3488	3489	3490	3491	3493	3472	3475	3478	3480
3.0	3488	3490	3490	3491	3492	3493	3476	3479	3481	3483
6.0	3481	3482	3482	3482	3482	3484	3470	3473	3475	3476
9.0	3466	3465	3464	3462	3462	3463	3454	3456	3458	3459
12.0	3441	3438	3435	3432	3431	3431	3426	3428	3430	3432
15.0	3405	3401	3397	3393	3390	3388	3388	3389	3391	3394
18.0	3362	3355	3348	3342	3338	3336	3339	3340	3342	3345
21.0	3309	3299	3289	3280	3274	3271	3279	3280	3283	3286
24.0	3245	3232	3219	3208	3200	3196	3207	3208	3211	3216
27.0	3171	3153	3138	3125	3115	3109	3125	3126	3129	3135
30.0	3086	3066	3047	3032	3020	3013	3032	3032	3037	3045
33.0	2993	2969	2949	2931	2919	2911	2932	2932	2937	2946
36.0	2891	2865	2842	2823	2809	2800	2824	2824	2829	2839
39.0	2780	2752	2728	2707	2691	2680	2708	2708	2714	2725
42.0	2662	2631	2604	2582	2564	2553	2583	2583	2590	2602
45.0	2533	2499	2471	2447	2430	2417	2451	2451	2457	2470
48.0	2395	2360	2331	2307	2289	2277	2312	2312	2318	2331
51.0	2250	2214	2186	2162	2144	2133	2169	2169	2176	2188
54.0	2099	2064	2035	2014	1997	1986	2023	2023	2029	2041
57.0	1943	1908	1883	1862	1845	1834	1875	1874	1879	1891
60.0	1783	1751	1725	1706	1691	1680	1723	1722	1727	1737
63.0	1618	1587	1563	1545	1530	1520	1566	1565	1569	1579
66.0	1447	1417	1393	1375	1362	1351	1400	1399	1403	1411
69.0	1267	1239	1215	1199	1184	1174	1227	1225	1228	1236
72.0	1084	1057	1036	1019	1006	995.6	1050	1047	1050	1056
75.0	901.4	878.4	859.0	842.8	830.8	821.3	874.3	871.5	873.8	879.3
78.0	726.2	706.7	689.5	675.5	664.5	655.7	705.5	703.4	705.7	709.8
81.0	568.3	552.3	537.9	525.2	515.3	507.7	552.6	550.9	552.6	556.9
84.0	432.6	420.3	407.9	396.9	388.3	381.5	424.5	423.6	425.9	429.4
87.0	323.1	312.8	302.3	292.6	285.6	280.3	314.0	313.7	315.1	319.3
90.0	207.9	200.9	193.5	183.3	176.1	171.8	217.7	215.6	215.7	216.7
93.0	61.11	64.45	65.58	65.46	64.33	62.51	101.8	98.96	96.09	93.86
96.0	0.0833	0.3314	42.94	0.7183	0.6208	27.26	25.52	24.90	18.57	0.0122
99.0	59.20	57.03	67.55	30.72	27.10	25.99	14.95	12.95	15.68	24.27
102.0	101.4	99.23	96.64	92.86	88.49	85.84	62.02	65.22	71.16	79.77

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 24.2DEG
 Operators: JALS
 Test Date: 2023-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity: 57.9%
 Test Distance: 2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE

Photometric Data Table [cd]

105.0	88.44	87.93	86.81	85.54	84.42	83.60	85.87	86.02	86.62	87.60
108.0	76.27	77.25	77.34	77.01	76.56	76.17	78.50	78.56	78.89	79.33
111.0	64.38	66.41	67.54	68.07	68.20	68.18	71.03	70.98	70.98	70.87
114.0	53.04	55.68	57.47	58.61	59.26	59.58	62.84	62.70	62.40	61.81
117.0	42.76	45.59	47.69	49.10	50.05	50.56	54.08	53.90	53.41	52.53
120.0	33.89	36.61	38.71	40.25	41.27	41.89	45.29	45.06	44.46	43.45
123.0	26.44	28.93	30.91	32.39	33.40	34.02	37.12	36.92	36.29	35.27
126.0	20.41	22.61	24.30	25.67	26.65	27.23	29.91	29.71	29.12	28.18
129.0	15.12	17.11	18.77	20.08	20.99	21.40	23.76	23.58	23.05	22.19
132.0	11.07	12.67	14.04	15.15	15.95	16.45	18.51	18.36	17.84	17.04
135.0	7.849	9.164	10.32	11.24	11.90	12.32	14.01	13.85	13.44	12.77
138.0	5.357	6.371	7.278	8.049	8.627	8.993	10.44	10.32	9.985	9.444
141.0	4.095	4.417	4.936	5.494	5.931	6.233	7.485	7.398	7.100	6.650
144.0	3.652	3.801	3.909	4.043	4.181	4.291	5.276	5.221	5.034	4.752
147.0	3.380	3.455	3.555	3.623	3.669	3.702	3.977	3.973	3.939	3.897
150.0	3.233	3.260	3.292	3.326	3.356	3.374	3.646	3.639	3.604	3.560
153.0	3.122	3.139	3.158	3.166	3.171	3.174	3.394	3.394	3.383	3.368
156.0	2.996	3.019	3.033	3.044	3.052	3.063	3.268	3.277	3.277	3.271
159.0	2.780	2.856	2.902	2.925	2.944	2.968	3.186	3.192	3.191	3.188
162.0	1.838	2.532	2.599	2.659	2.712	2.752	3.068	3.073	3.061	3.043
165.0	0.3269	0.3309	0.3382	1.078	1.094	1.423	2.745	2.708	2.578	2.194
168.0	1.005	0.3614	0.3339	0.3334	0.3401	0.3506	0.6231	0.6310	0.6451	0.6596
171.0	1.206	1.244	1.290	1.323	1.363	1.427	1.534	1.508	1.611	1.730
174.0	0.8007	0.8526	1.004	1.046	1.074	1.115	1.651	1.657	1.696	1.721
177.0	0.6263	0.6460	0.7718	0.5053	0.5939	0.6920	1.228	1.235	1.251	1.263
180.0	0.4670	0.4635	0.6870	0	0.1133	0.2683	0.6774	0.7381	0.7311	0.7167
G/C	200.0	205.0	210.0	215.0	220.0	225.0	230.0	235.0	240.0	245.0
0.0	3482	3482	3481	3480	3478	3476	3474	3472	3470	3470
3.0	3484	3484	3482	3481	3478	3475	3473	3470	3468	3467
6.0	3477	3477	3476	3473	3471	3468	3466	3463	3461	3460
9.0	3460	3461	3459	3458	3456	3454	3452	3450	3448	3447
12.0	3433	3434	3434	3434	3433	3432	3431	3430	3430	3429
15.0	3396	3397	3398	3400	3401	3402	3404	3405	3406	3407
18.0	3348	3352	3355	3358	3363	3366	3370	3374	3377	3380
21.0	3291	3296	3302	3309	3316	3322	3329	3337	3343	3349
24.0	3223	3231	3240	3250	3261	3271	3283	3294	3305	3313
27.0	3145	3155	3167	3181	3197	3212	3228	3244	3258	3270
30.0	3056	3069	3085	3103	3123	3143	3164	3185	3202	3216
33.0	2958	2973	2993	3015	3040	3064	3089	3114	3135	3152
36.0	2853	2872	2893	2918	2944	2974	3003	3032	3058	3082
39.0	2740	2760	2785	2812	2842	2874	2907	2942	2974	3003
42.0	2619	2642	2668	2697	2729	2765	2803	2843	2881	2917
45.0	2489	2513	2541	2571	2608	2648	2691	2736	2780	2825
48.0	2350	2375	2404	2437	2476	2521	2569	2619	2672	2721
51.0	2207	2231	2260	2294	2335	2385	2438	2494	2552	2605
54.0	2059	2081	2109	2143	2187	2238	2295	2356	2417	2477
57.0	1908	1928	1954	1987	2031	2082	2141	2205	2270	2336
60.0	1753	1771	1795	1828	1870	1920	1976	2040	2112	2177
63.0	1592	1609	1632	1663	1703	1749	1804	1868	1938	2000
66.0	1423	1440	1462	1492	1530	1572	1623	1685	1748	1808
69.0	1248	1263	1284	1313	1349	1387	1436	1493	1547	1603
72.0	1067	1081	1101	1128	1159	1194	1239	1289	1340	1376
75.0	888.0	899.7	917.9	940.5	967.0	997.2	1037	1078	1123	1135
78.0	717.9	728.2	742.4	760.2	780.5	805.3	835.2	862.0	895.9	895.7
81.0	563.7	572.3	583.4	597.2	611.5	627.8	646.0	659.9	678.6	674.4
84.0	435.7	443.7	453.1	463.3	473.2	483.5	489.6	495.4	499.8	491.0
87.0	324.8	331.5	339.0	347.0	353.8	358.9	360.9	359.9	353.7	341.7
90.0	219.2	221.8	225.3	227.6	227.0	224.0	212.2	201.6	186.2	173.6
93.0	91.69	93.71	106.3	63.86	72.66	99.48	4.298	97.73	57.42	26.49
96.0	17.66	0.0194	56.70	1.597	16.65	23.16	47.81	74.08	80.20	62.09
99.0	24.10	35.39	51.31	73.20	101.2	123.9	117.0	99.07	77.00	53.51
102.0	91.15	100.8	103.3	105.0	103.4	103.4	97.46	83.69	62.87	42.00
105.0	88.82	90.00	90.89	90.81	89.08	85.00	77.54	65.44	49.87	30.98
108.0	79.78	79.86	79.32	77.68	74.44	69.04	60.96	50.36	37.10	21.95
111.0	70.48	69.58	67.94	65.17	61.01	55.24	47.19	37.69	26.61	15.40
114.0	60.82	59.22	56.86	53.58	48.91	43.07	35.99	27.87	19.10	10.60
117.0	51.19	49.12	46.44	42.91	38.50	33.19	27.02	20.29	13.30	7.177
120.0	41.97	39.91	37.21	33.86	29.87	25.23	20.02	14.40	9.109	5.051
123.0	33.83	31.87	29.37	26.34	22.81	18.84	14.37	10.06	6.176	4.377
126.0	26.86	25.03	22.78	20.12	17.01	13.59	10.18	6.900	4.789	3.987
129.0	20.96	19.34	17.28	14.96	12.40	9.720	7.040	5.078	4.186	3.706
132.0	15.92	14.50	12.83	10.95	8.906	6.776	5.122	4.221	3.804	3.515
135.0	11.87	10.73	9.360	7.817	6.192	4.947	4.153	3.789	3.537	3.385
138.0	8.664	7.697	6.592	5.407	4.647	4.055	3.740	3.504	3.395	3.277

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:JALS
 Test Date:2023-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:57.9%
 Test Distance:2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE

Photometric Data Table [cd]

141.0	6.042	5.446	4.774	4.186	3.931	3.671	3.470	3.380	3.302	3.117
144.0	4.281	4.094	3.960	3.777	3.576	3.438	3.356	3.300	3.208	2.929
147.0	3.830	3.722	3.588	3.475	3.393	3.331	3.284	3.214	3.028	1.453
150.0	3.504	3.444	3.391	3.348	3.310	3.274	3.209	3.068	2.797	0.4709
153.0	3.348	3.327	3.305	3.277	3.244	3.182	3.058	2.845	0.5058	0.4995
156.0	3.266	3.249	3.227	3.187	3.126	3.001	2.812	0.5524	0.5266	0.6718
159.0	3.176	3.150	3.109	3.030	2.904	2.547	0.5747	0.5644	0.5762	1.373
162.0	3.008	2.937	2.841	2.457	0.6281	0.6027	0.6099	0.6267	1.202	1.699
165.0	1.270	0.6550	0.6456	0.6419	0.6525	0.6549	1.001	1.937	1.867	1.669
168.0	0.6745	0.6877	0.7073	0.8349	1.331	2.038	1.991	1.831	1.704	1.719
171.0	1.877	1.922	1.909	1.863	1.808	1.789	1.802	1.776	1.684	1.606
174.0	1.734	1.717	1.678	1.625	1.572	1.526	1.492	1.445	1.355	1.265
177.0	1.264	1.252	1.233	1.211	1.181	1.137	1.073	1.011	0.9512	0.8777
180.0	0.6956	0.6619	0.6296	0.6198	0.6052	0.5851	0.5684	0.5510	0.5247	0.5008
G/C	250.0	255.0	260.0	265.0	270.0	275.0	280.0	285.0	290.0	295.0
0.0	3469	3467	3466	3465	3464	3462	3461	3462	3463	3465
3.0	3466	3464	3462	3460	3458	3456	3455	3455	3455	3457
6.0	3458	3456	3453	3451	3449	3446	3444	3444	3444	3444
9.0	3446	3444	3441	3439	3436	3433	3430	3428	3428	3427
12.0	3428	3427	3424	3422	3419	3415	3411	3408	3406	3404
15.0	3407	3406	3404	3401	3398	3394	3389	3385	3381	3378
18.0	3382	3382	3381	3379	3375	3370	3364	3359	3353	3347
21.0	3354	3356	3356	3354	3350	3344	3337	3329	3321	3312
24.0	3321	3324	3325	3323	3319	3313	3304	3295	3284	3273
27.0	3279	3284	3285	3284	3279	3271	3262	3251	3239	3226
30.0	3227	3234	3237	3236	3232	3223	3212	3199	3185	3169
33.0	3167	3178	3182	3182	3178	3169	3156	3141	3124	3105
36.0	3101	3115	3123	3125	3121	3111	3096	3078	3057	3034
39.0	3028	3049	3059	3063	3059	3048	3030	3010	2985	2958
42.0	2950	2975	2990	2996	2992	2979	2958	2933	2904	2874
45.0	2863	2894	2915	2923	2920	2905	2881	2851	2817	2782
48.0	2766	2803	2828	2838	2835	2819	2793	2759	2721	2681
51.0	2655	2698	2726	2738	2734	2717	2689	2653	2613	2569
54.0	2532	2577	2605	2613	2605	2585	2559	2527	2488	2444
57.0	2392	2434	2456	2459	2449	2428	2400	2372	2342	2303
60.0	2231	2268	2288	2295	2287	2264	2231	2200	2175	2142
63.0	2052	2085	2107	2113	2109	2103	2052	2022	1992	1964
66.0	1852	1870	1879	1876	1870	1882	1836	1816	1799	1769
69.0	1621	1629	1627	1605	1594	1608	1604	1583	1580	1561
72.0	1375	1381	1353	1322	1309	1325	1347	1346	1340	1337
75.0	1137	1121	1080	1048	1033	1049	1070	1103	1099	1097
78.0	897.9	864.4	819.8	783.4	766.8	782.1	813.6	853.6	864.6	858.3
81.0	667.9	629.9	582.9	546.9	525.9	542.9	577.1	620.9	644.1	647.9
84.0	482.2	445.0	390.8	338.8	309.2	331.9	383.6	433.3	464.0	469.9
87.0	328.7	296.7	250.3	196.1	158.6	186.8	243.2	289.8	315.2	325.1
90.0	169.4	161.7	141.3	112.5	101.8	107.9	137.6	162.1	165.0	167.7
93.0	57.01	61.10	65.35	65.68	64.30	64.72	64.12	60.79	52.85	25.47
96.0	54.78	46.85	37.07	34.98	33.15	33.56	35.31	44.33	47.74	55.98
99.0	37.57	23.08	14.96	13.75	12.98	13.30	14.25	20.48	33.00	50.23
102.0	22.11	7.729	4.299	3.961	2.433	4.192	4.035	6.985	19.73	40.20
105.0	14.49	3.907	1.314	0.9994	0.2882	0.7509	1.100	3.364	12.88	29.18
108.0	9.494	2.412	1.087	1.156	0.2782	0.8352	1.206	1.738	8.617	20.71
111.0	6.296	2.113	1.218	1.303	0.2278	0.8994	1.302	1.255	5.577	14.60
114.0	4.158	1.961	1.383	1.349	0.2567	0.9945	1.354	1.217	3.102	9.905
117.0	3.723	1.761	1.562	1.493	0.2782	0.9423	1.216	1.051	2.162	6.339
120.0	3.664	2.033	1.166	1.359	0.3007	0.9934	1.206	1.012	2.140	3.671
123.0	3.000	2.167	1.148	1.570	0.3660	1.009	1.198	0.9218	2.159	2.542
126.0	3.060	2.220	1.165	1.761	0.4854	0.9573	1.180	0.8604	2.092	2.316
129.0	3.115	2.229	1.135	1.562	0.5430	0.9432	1.154	0.5862	1.920	2.175
132.0	3.060	0.9685	1.450	1.243	0.4845	0.7637	0.9584	0.3113	1.731	2.007
135.0	2.938	0.3300	1.573	1.318	0.5844	0.6930	0.9484	0.3218	1.524	1.818
138.0	2.822	0.3613	1.793	1.666	0.7424	0.7428	0.9300	0.3579	0.6319	1.630
141.0	1.019	0.4007	1.772	1.685	0.7872	0.6682	0.8237	0.9649	0.3536	1.432
144.0	0.4025	1.429	1.664	1.607	0.7682	0.5984	0.7472	0.8368	0.3616	0.8147
147.0	0.4369	1.574	1.433	1.428	0.7320	0.5509	0.6770	0.7602	0.4815	0.3988
150.0	0.5107	1.377	1.413	1.186	0.7198	0.5423	0.6266	0.6752	0.7728	0.4122
153.0	1.174	1.304	1.380	1.034	0.7123	0.5244	0.5939	0.6589	0.7166	0.6486
156.0	1.408	1.418	1.180	0.9565	0.6869	0.5192	0.5732	0.6543	0.7191	0.8074
159.0	1.547	1.342	1.215	0.9323	0.7044	0.5450	0.6044	0.6820	0.7193	0.8130
162.0	1.528	1.299	1.265	1.011	0.7732	0.5425	0.5823	0.6373	0.7010	0.7464
165.0	1.503	1.509	1.294	1.049	0.8224	0.5514	0.5705	0.6035	0.6461	0.6870
168.0	1.670	1.461	1.241	1.060	0.8780	0.6248	0.5574	0.5777	0.6048	0.6400
171.0	1.468	1.296	1.136	1.011	0.9314	0.7286	0.5517	0.5595	0.5756	0.5935
174.0	1.168	1.082	1.012	0.9019	0.7679	0.6518	0.5516	0.5027	0.5029	0.5094

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:JALS
 Test Date:2023-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:57.9%
 Test Distance:2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE

Photometric Data Table [cd]

177.0	0.7723	0.6992	0.6477	0.6248	0.5890	0.5403	0.4987	0.4491	0.4326	0.4364
180.0	0.4797	0.4621	0.4453	0.4306	0.4183	0.4089	0.4017	0.3953	0.3918	0.3903
G/C	300.0	305.0	310.0	315.0	320.0	325.0	330.0	335.0	340.0	345.0
0.0	3467	3471	3475	3479	3481	3484	3486	3488	3489	3490
3.0	3459	3462	3466	3469	3472	3474	3476	3478	3479	3480
6.0	3446	3449	3452	3454	3456	3458	3459	3460	3461	3461
9.0	3428	3429	3431	3432	3433	3433	3434	3434	3434	3435
12.0	3403	3403	3403	3403	3403	3403	3402	3401	3400	3400
15.0	3374	3372	3370	3368	3366	3364	3362	3359	3357	3356
18.0	3341	3337	3332	3326	3321	3317	3313	3310	3307	3304
21.0	3303	3295	3287	3278	3270	3263	3257	3252	3248	3245
24.0	3262	3250	3237	3225	3214	3204	3195	3188	3182	3178
27.0	3212	3197	3181	3166	3151	3137	3125	3115	3107	3102
30.0	3153	3135	3117	3099	3081	3063	3048	3035	3025	3018
33.0	3085	3065	3045	3023	3002	2981	2963	2946	2933	2925
36.0	3010	2987	2963	2939	2914	2890	2868	2848	2833	2821
39.0	2930	2901	2873	2845	2817	2789	2763	2740	2722	2709
42.0	2842	2809	2776	2742	2709	2677	2648	2623	2602	2587
45.0	2746	2708	2669	2630	2592	2556	2523	2496	2473	2457
48.0	2640	2598	2552	2508	2464	2424	2390	2361	2339	2321
51.0	2525	2476	2425	2375	2327	2285	2249	2220	2198	2181
54.0	2395	2343	2288	2233	2182	2139	2102	2074	2051	2035
57.0	2253	2196	2139	2080	2029	1984	1947	1920	1899	1883
60.0	2094	2036	1977	1919	1865	1821	1785	1759	1739	1725
63.0	1920	1863	1803	1746	1694	1652	1618	1593	1576	1562
66.0	1729	1675	1616	1564	1514	1475	1445	1423	1407	1396
69.0	1525	1474	1421	1372	1330	1296	1269	1250	1236	1227
72.0	1306	1264	1219	1178	1143	1114	1091	1074	1064	1056
75.0	1081	1049	1016	984.1	957.3	934.2	916.5	903.0	893.9	887.6
78.0	858.4	837.8	817.4	796.5	778.4	762.3	749.3	739.4	731.6	726.3
81.0	651.1	643.8	637.1	626.1	616.7	606.7	597.7	589.4	582.9	577.4
84.0	483.1	487.6	489.6	487.2	482.6	476.6	469.8	463.1	457.1	452.3
87.0	342.4	354.6	362.7	365.3	364.5	361.1	356.0	350.0	344.4	339.7
90.0	184.5	201.5	213.0	225.4	231.9	239.6	249.6	262.9	278.0	294.1
93.0	66.66	108.7	1.494	104.9	102.1	57.34	76.85	90.81	106.3	123.0
96.0	74.76	90.55	70.63	44.33	20.57	18.24	10.19	1.254	57.52	0.2887
99.0	73.39	95.31	113.5	123.0	123.8	101.3	79.04	61.75	48.98	40.05
102.0	60.73	81.09	93.38	100.3	103.9	105.2	105.0	103.7	102.2	99.95
105.0	47.69	62.98	74.78	82.84	87.46	89.86	90.68	90.51	89.81	88.93
108.0	35.26	48.17	58.98	67.62	73.83	77.40	79.30	80.08	80.21	79.94
111.0	25.69	36.40	46.08	54.53	60.82	65.49	68.75	70.58	71.51	71.92
114.0	18.42	27.10	35.48	43.01	49.27	54.34	57.94	60.62	62.38	63.54
117.0	12.61	19.87	26.89	33.45	39.20	44.04	47.89	50.93	52.99	54.56
120.0	8.358	14.04	20.00	25.57	30.60	35.05	38.75	41.74	44.03	45.72
123.0	5.267	9.540	14.31	19.14	23.53	27.38	30.73	33.55	35.75	37.45
126.0	2.937	6.104	9.880	13.81	17.59	21.02	24.00	26.46	28.48	30.05
129.0	2.354	3.497	6.431	9.593	12.73	15.65	18.24	20.52	22.33	23.75
132.0	2.192	2.363	3.739	6.269	8.807	11.25	13.50	15.43	17.03	18.29
135.0	2.034	2.177	2.344	3.612	5.721	7.661	9.518	11.16	12.60	13.71
138.0	1.857	2.021	2.138	2.282	3.166	4.772	6.274	7.623	8.796	9.729
141.0	1.669	1.852	1.975	2.074	2.173	2.581	3.557	4.714	5.691	6.413
144.0	1.486	1.662	1.810	1.918	1.994	2.068	2.162	2.501	3.059	3.617
147.0	1.261	1.485	1.626	1.747	1.833	1.893	1.947	1.998	2.038	2.097
150.0	0.4375	1.291	1.453	1.564	1.660	1.732	1.785	1.826	1.853	1.882
153.0	0.4361	0.4713	1.248	1.384	1.473	1.548	1.611	1.657	1.691	1.716
156.0	0.5357	0.4566	0.4850	1.051	1.290	1.370	1.428	1.474	1.512	1.542
159.0	0.8587	0.5663	0.4697	0.4896	0.5175	1.024	1.238	1.297	1.338	1.368
162.0	0.7849	0.8130	0.8222	0.4927	0.4910	0.5085	0.5305	0.5507	0.7936	1.007
165.0	0.7216	0.7463	0.7658	0.7892	0.8129	0.5904	0.5169	0.5169	0.5278	0.5442
168.0	0.6696	0.7107	0.7335	0.7570	0.7683	0.7803	0.7844	0.7879	0.7944	0.8306
171.0	0.6111	0.6269	0.6613	0.6802	0.6887	0.6911	0.6936	0.7080	0.7291	0.7582
174.0	0.5167	0.5256	0.5360	0.5469	0.5606	0.6009	0.6268	0.6482	0.6630	0.6685
177.0	0.4429	0.4512	0.4569	0.4628	0.4674	0.4715	0.4706	0.4816	0.5093	0.5589
180.0	0.3948	0.3986	0.4030	0.4038	0.3975	0.3971	0.3992	0.4021	0.4085	0.4344
G/C	350.0	355.0								
0.0	3491	3493								
3.0	3481	3483								
6.0	3463	3465								
9.0	3436	3438								
12.0	3401	3403								
15.0	3356	3358								
18.0	3304	3305								
21.0	3244	3245								

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:JALS
 Test Date:2023-08-29

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:57.9%
 Test Distance:2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE

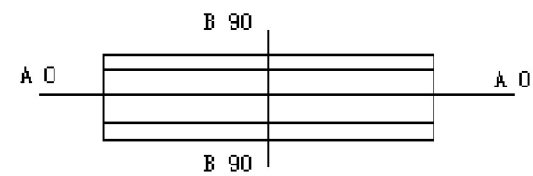
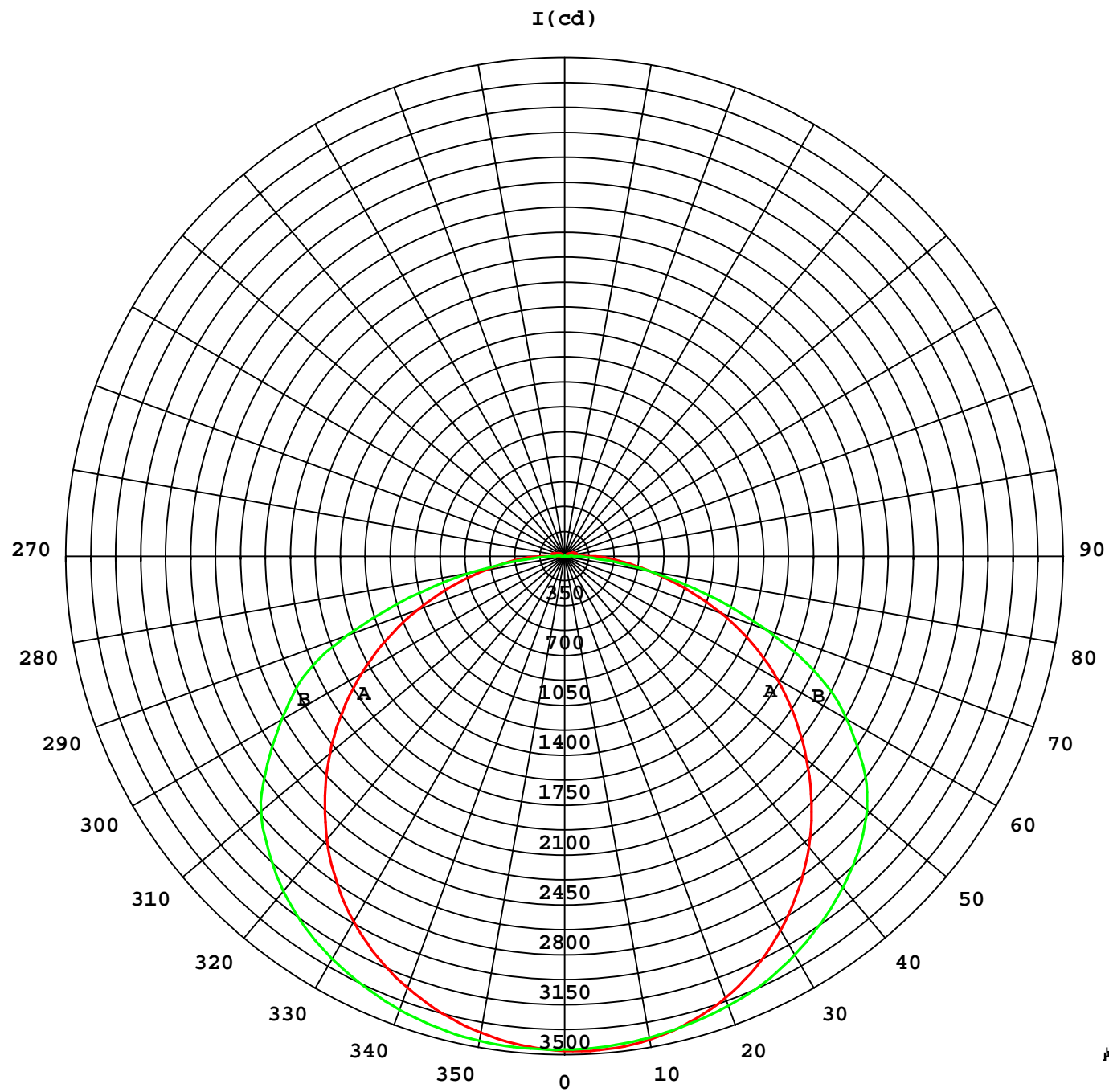
Photometric Data Table [cd]

24.0	3176	3176
27.0	3099	3099
30.0	3015	3013
33.0	2920	2918
36.0	2815	2812
39.0	2701	2698
42.0	2577	2573
45.0	2447	2443
48.0	2312	2307
51.0	2171	2167
54.0	2026	2022
57.0	1874	1870
60.0	1716	1713
63.0	1555	1553
66.0	1391	1389
69.0	1222	1221
72.0	1051	1051
75.0	883.9	883.5
78.0	723.2	722.5
81.0	574.1	573.3
84.0	447.9	446.3
87.0	336.2	334.5
90.0	218.4	217.0
93.0	93.22	85.68
96.0	0.0345	0.0096
99.0	33.91	30.62
102.0	95.76	92.09
105.0	88.11	87.55
108.0	79.62	79.36
111.0	72.07	72.09
114.0	64.27	64.62
117.0	55.61	56.18
120.0	46.90	47.64
123.0	38.69	39.44
126.0	31.21	31.96
129.0	24.77	25.41
132.0	19.22	19.79
135.0	14.50	14.99
138.0	10.42	10.86
141.0	6.987	7.340
144.0	4.170	4.441
147.0	2.204	2.305
150.0	1.901	1.912
153.0	1.733	1.748
156.0	1.561	1.575
159.0	1.389	1.402
162.0	1.109	1.178
165.0	0.5593	0.5731
168.0	0.8448	0.8291
171.0	0.7769	0.7922
174.0	0.6777	0.6923
177.0	0.5769	0.5928
180.0	0.4630	0.4870

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:24.2DEG
 Operators:JALS
 Test Date:2023-08-29

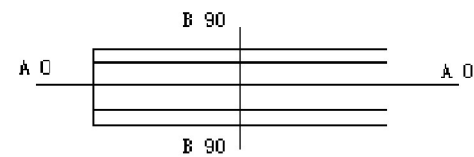
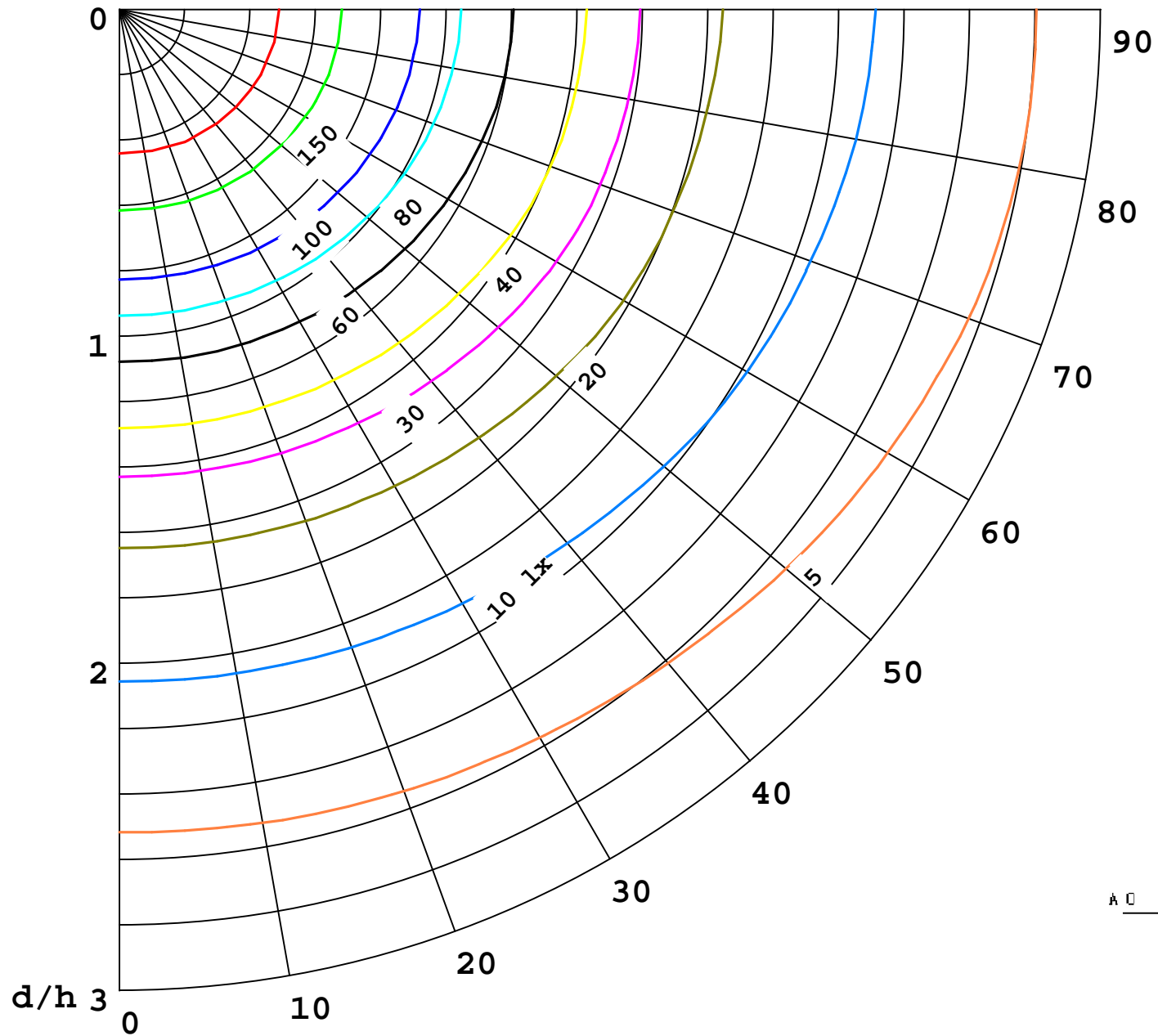
γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.266
 Humidity:57.9%
 Test Distance:2.493m [K=1.0000]
 Remarks:

BS100LED4HTVHOWTTWE120-277V-FIORE





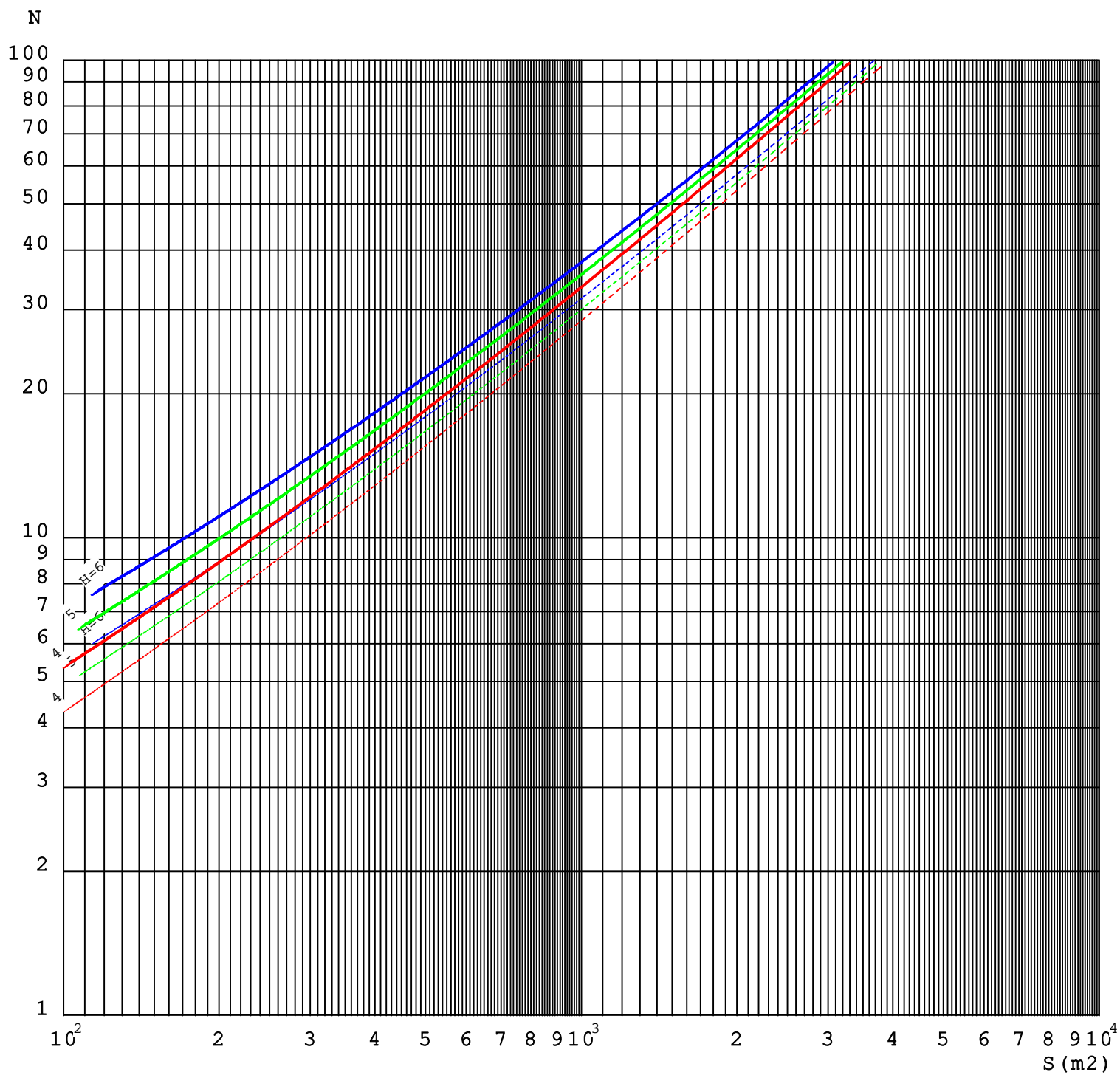
1000 lm

$K = 1$



F = 5000 lm
 K = 0.7
 Hcc = 0.0 m
 Hfc = 0.0 m
 Eave = 100 lx

	Pcc	Pw	Pfc
	70	50	30
	50	30	20





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