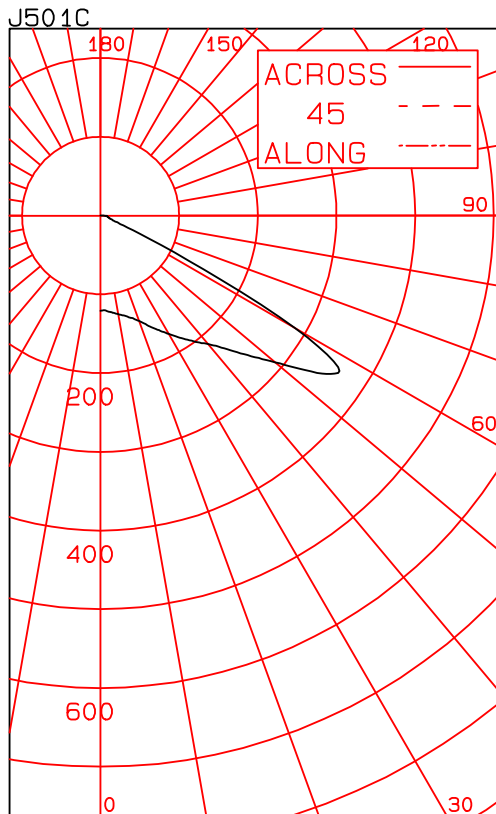


TEST REPORT NO. J501C
ACCREDITED BY NVLAP (LAB CODE 500084-0) TO ISO/IES 17025:2005 FOR IES LM-79-08

BEGHELLI CANADA LED CEILING MOUNT EMERGENCY LIGHT CAT. NO. PL-EM
WITH INDIVIDUAL LED LENS OPTICS - 8x8
FOUR WHITE LEDS. LUMEN OUTPUT = 845 LMS.
120V LED POWER SUPPLY



CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	121		90	3	
5	123	12	95	0	1
10	127		100	0	
15	133	38	105	0	0
20	142		110	0	
25	157	73	115	0	0
30	174		120	0	
35	193	122	125	0	0
40	213		130	0	
45	245	193	135	0	0
50	290		140	0	
55	351	295	145	0	0
60	285		150	0	
65	56	91	155	0	0
70	15		160	0	
75	11	12	165	0	0
80	9		170	0	
85	8	8	175	0	0
90	3		180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	123	14.61	14.61
0-40	245	29.02	29.02
0-60	732	86.76	86.76
0-90	844	99.90	99.90
40-90	598	70.88	70.88
60-90	110	13.14	13.14
90-180	1	.10	.10
0-180	845	100.00	100.00

** EFFICACY = 62.7 LMS/WATT **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 3.0
SC = 2.5

ANGLE	MEAN CD/SQ M
45	191962
55	311543
65	59657
75	14871
85	16281

PREPARED BY:

Charles Lison

DATE:
MAR 18, 2015

PREPARED FOR:

BEGHELLI CANADA INC.
MARKHAM, ONTARIO

TESTED ACCORDING TO IES LM-79-2008 SEC. 10. TEST DISTANCE EXCEEDS FIVE
TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE

LUMENTRA, INC.
160 FROBISHER DRIVE, UNIT 5
WATERLOO, ONTARIO

TEST REPORT NO. J501C
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI CANADA LED CEILING MOUNT EMERGENCY LIGHT CAT. NO. PL-EM
WITH INDIVIDUAL LED LENS OPTICS - 8x8
FOUR WHITE LEDS. LUMEN OUTPUT = 845 LMS.
120V LED POWER SUPPLY

CANDLEPOWER DATA

ANGLE	CANDLEPOWER	LUMENS
0	121	
5	123	12
10	127	
15	133	38
20	142	
25	157	73
30	174	
35	193	122
40	213	
45	245	193
50	290	
55	351	295
60	285	
65	56	91
70	15	
75	11	12
80	9	
85	8	8
90	3	
95	0	1
100	0	
105	0	0
110	0	
115	0	0
120	0	
125	0	0
130	0	
135	0	0
140	0	
145	0	0
150	0	
155	0	0
160	0	
165	0	0
170	0	
175	0	0
180	0	

LUMENTRA, INC.
160 FROBISHER DRIVE, UNIT 5
WATERLOO, ONTARIO

TEST REPORT NO. J501C
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI CANADA LED CEILING MOUNT EMERGENCY LIGHT CAT. NO. PL-EM
WITH INDIVIDUAL LED LENS OPTICS - 8x8
FOUR WHITE LEDS. LUMEN OUTPUT = 845 LMS.
120V LED POWER SUPPLY

AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE	
0	83312	(24315)
30	120736	(35238)
40	158457	(46248)
45	191962	(56027)
50	239298	(69842)
55	311543	(90928)
60	274216	(80033)
65	59657	(17411)
70	17682	(5161)
75	14871	(4340)
80	14977	(4371)
85	16281	(4751)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

LUMENTRA, INC.
 160 FROBISHER DRIVE, UNIT 5
 WATERLOO, ONTARIO

TEST REPORT NO. J501C
 COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI CANADA LED CEILING MOUNT EMERGENCY LIGHT CAT. NO. PL-EM
 WITH INDIVIDUAL LED LENS OPTICS - 8x8
 FOUR WHITE LEDS. LUMEN OUTPUT = 845 LMS.
 120V LED POWER SUPPLY

COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC WALL	80				70				50				30				10				0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00		
1	1.10	1.05	1.01	.98	1.07	1.03	.99	.96	.99	.96	.93	.95	.92	.90	.91	.89	.87	.86			
2	1.00	.93	.86	.81	.98	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.78	.75	.73			
3	.91	.81	.73	.66	.89	.79	.72	.66	.76	.70	.65	.73	.68	.64	.71	.66	.62	.60			
4	.83	.71	.62	.55	.80	.69	.61	.55	.67	.60	.54	.64	.58	.53	.62	.57	.52	.50			
5	.75	.61	.52	.45	.72	.60	.51	.45	.58	.50	.44	.56	.49	.44	.54	.48	.43	.41			
6	.67	.53	.43	.36	.65	.52	.43	.36	.50	.42	.36	.48	.41	.35	.46	.40	.35	.33			
7	.59	.45	.35	.29	.58	.44	.35	.28	.42	.34	.28	.41	.33	.28	.39	.33	.27	.25			
8	.54	.39	.30	.24	.53	.39	.30	.23	.37	.29	.23	.36	.28	.23	.35	.28	.23	.21			
9	.49	.35	.26	.19	.48	.34	.25	.19	.33	.25	.19	.32	.24	.19	.30	.24	.19	.17			
10	.45	.31	.22	.16	.44	.30	.22	.16	.29	.21	.16	.28	.21	.16	.27	.20	.16	.14			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 13.5
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 ABSOLUTE PHOTOMETRY TAKEN.

LUMENTRA, INC.
160 FROBISHER DRIVE, UNIT 5
WATERLOO, ONTARIO

TEST REPORT NO. J501C

BEGHELLI CANADA LED CEILING MOUNT EMERGENCY LIGHT CAT. NO. PL-EM
WITH INDIVIDUAL LED LENS OPTICS - 8x8
FOUR WHITE LEDS. LUMEN OUTPUT = 845 LMS.
120V LED POWER SUPPLY

AMBIENT TEMPERATURE: 25.5 °C
STABILIZATION TIME: 1 HOUR 30 MINUTES
THE LUMINAIRE WAS OPERATED IN THE ORIENTATION INDICATED BY THE PICTURES BELOW
LSI MOVING MIRROR GONIOPHOTOMETER 6240T WAS USED

ELECTRICAL CONSUMPTION

INPUT VOLTAGE: 120 VRMS
INPUT CURRENT: 0.19 ARMS
INPUT WATTAGE: 13.48
POWER FACTOR: 0.591

