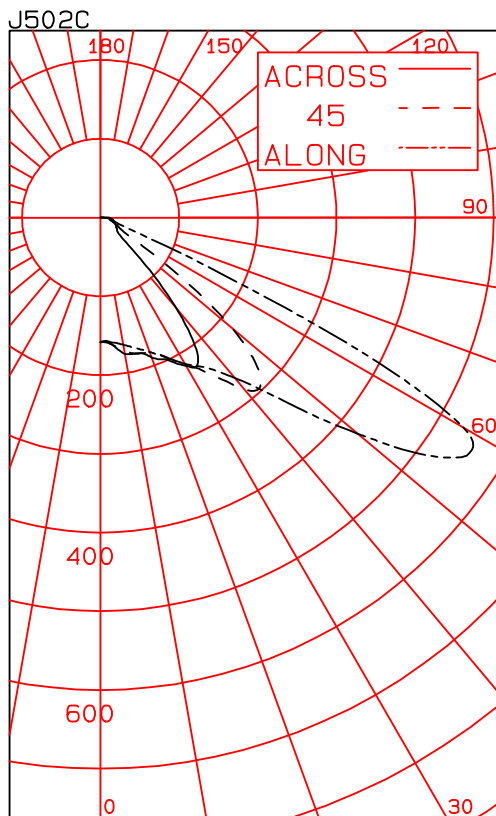


TEST REPORT NO. J502C
ACCREDITED BY NVLAP (LAB CODE 500084-0) TO ISO/IES 17025:2005 FOR IES LM-79-08

BEGHELLI CANADA LED CEILING MOUNT EMERGENCY LIGHT CAT. NO. PL-EM
WITH INDIVIDUAL LED LENS OPTICS - 8x3
FOUR WHITE LEDS. LUMEN OUTPUT = 826 LMS.
120V LED POWER SUPPLY



CANDLEPOWER SUMMARY						OUTPUT LUMENS
ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	158	158	158	158	158	
5	159	161	162	162	162	16
15	172	177	179	177	178	50
25	196	205	195	196	199	93
35	233	248	242	230	216	147
45	329	350	288	100	56	181
55	531	593	84	25	25	214
65	176	180	23	20	21	96
75	18	20	16	14	13	18
85	13	12	10	10	10	11
90	10	6	2	2	3	
95	2	0	0	0	0	1
105	0	0	0	0	0	0
115	0	0	0	0	0	0
125	0	0	0	0	0	0
135	0	0	0	0	0	0
145	0	0	0	0	0	0
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	158	19.25	19.25
0-40	305	37.01	37.01
0-60	700	84.83	84.83
0-90	824	99.87	99.87
40-90	519	62.86	62.86
60-90	124	15.04	15.04
90-180	1	.13	.13
0-180	826	100.00	100.00

** EFFICACY = 60.2 LMS/WATT **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.6

SC (ALONG) = 3.3, SC (ACROSS) = 1.6

ANGLE	ALONG	45	ACROSS
45	274358	227567	47025
55	515040	76091	24345
65	211889	25301	25073
75	29373	22605	21578
85	35099	20793	27722

PREPARED BY:

Charles Lison

DATE:

MAR 17, 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. J502C
 COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI CANADA LED CEILING MOUNT EMERGENCY LIGHT CAT. NO. PL-EM
 WITH INDIVIDUAL LED LENS OPTICS - 8x3
 FOUR WHITE LEDS. LUMEN OUTPUT = 826 LMS.
 120V LED POWER SUPPLY

CANDLEPOWER DATA

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	158	158	158	158	158	158	
5	159	161	162	162	162	161	16
10	164	167	171	175	176	171	
15	172	177	179	177	178	177	50
20	181	189	182	183	189	185	
25	196	205	195	196	199	198	93
30	214	223	214	212	218	216	
35	233	248	242	230	216	236	147
40	266	287	285	189	148	242	
45	329	350	288	100	56	233	181
50	427	450	218	33	28	232	
55	531	593	84	25	25	245	214
60	533	547	30	23	23	220	
65	176	180	23	20	21	80	96
70	27	30	19	18	17	22	
75	18	20	16	14	13	16	18
80	16	16	11	12	11	13	
85	13	12	10	10	10	11	11
90	10	6	2	2	3	4	
95	2	0	0	0	0	0	1
100	0	0	0	0	0	0	
105	0	0	0	0	0	0	0
110	0	0	0	0	0	0	
115	0	0	0	0	0	0	0
120	0	0	0	0	0	0	
125	0	0	0	0	0	0	0
130	0	0	0	0	0	0	
135	0	0	0	0	0	0	0
140	0	0	0	0	0	0	
145	0	0	0	0	0	0	0
150	0	0	0	0	0	0	
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	
175	0	0	0	0	0	0	0
180	0	0	0	0	0	0	

LUMENTRA, INC.
 160 FROBISHER DRIVE, UNIT 5
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BEGHELLI CANADA LED CEILING MOUNT EMERGENCY LIGHT CAT. NO. PL-EM
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 FOUR WHITE LEDS. LUMEN OUTPUT = 826 LMS.
 120V LED POWER SUPPLY

AVERAGE LUMINANCE DATA

		CD. / SQ. M.		(FOOTLAMBERTS)			
ANGLE	ALONG	22.5	45	67.5	ACROSS		
0	109078(31836)	109078(31836)	109078(31836)	109078(31836)	109078(31836)		
30	155576(45407)	158127(46151)	150344(43880)	150363(43885)	157861(46074)		
40	209859(61250)	218768(63850)	214461(62593)	144187(42083)	116487(33998)		
45	274358(80075)	280682(81921)	227567(66418)	80187(23404)	47025(13725)		
50	381612(111379)	384224(112141)	182553(53280)	27895(8141)	25214(7359)		
55	515040(150322)	543801(158716)	76091(22208)	23381(6824)	24345(7105)		
60	569693(166273)	548918(160210)	29719(8674)	22813(6658)	24590(7177)		
65	211889(61843)	199983(58368)	25301(7384)	22232(6488)	25073(7317)		
70	37094(10826)	37715(11007)	23159(6759)	22283(6503)	23279(6794)		
75	29373(8573)	28928(8443)	22605(6597)	21061(6147)	21578(6298)		
80	32937(9613)	27577(8048)	18725(5465)	20612(6016)	23249(6785)		
85	35099(10244)	27343(7980)	20793(6068)	22607(6598)	27722(8091)		

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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

TEST REPORT NO. J502C
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI CANADA LED CEILING MOUNT EMERGENCY LIGHT CAT. NO. PL-EM
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FOUR WHITE LEDS. LUMEN OUTPUT = 826 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	1.06	1.02	.98	1.07	1.03	1.00	.97	.99	.96	.94	.95	.93	.91	.92	.90	.88	.86			
2	1.01	.93	.87	.82	.98	.91	.86	.81	.88	.83	.79	.85	.81	.77	.82	.79	.76	.74			
3	.92	.82	.74	.68	.90	.80	.73	.68	.78	.72	.66	.75	.70	.65	.72	.68	.64	.62			
4	.84	.72	.64	.58	.82	.71	.63	.57	.69	.62	.56	.66	.60	.56	.64	.59	.55	.53			
5	.76	.64	.55	.48	.74	.63	.54	.48	.60	.53	.47	.58	.52	.47	.57	.51	.46	.44			
6	.69	.56	.47	.40	.67	.55	.46	.40	.53	.45	.39	.51	.44	.39	.50	.43	.39	.37			
7	.62	.48	.39	.33	.61	.48	.39	.33	.46	.38	.33	.44	.37	.32	.43	.37	.32	.30			
8	.57	.43	.34	.28	.56	.42	.34	.28	.41	.33	.28	.40	.33	.27	.38	.32	.27	.25			
9	.52	.38	.30	.24	.51	.38	.29	.24	.36	.29	.23	.35	.28	.23	.34	.28	.23	.21			
10	.48	.34	.26	.20	.47	.34	.26	.20	.33	.25	.20	.32	.25	.20	.31	.24	.19	.18			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 13.7
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
ABSOLUTE PHOTOMETRY TAKEN.

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

TEST REPORT NO. J502C

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120V LED POWER SUPPLY

AMBIENT TEMPERATURE: 25.4 °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: 0.195 ARMS
INPUT WATTAGE: 13.73
POWER FACTOR: 0.587

