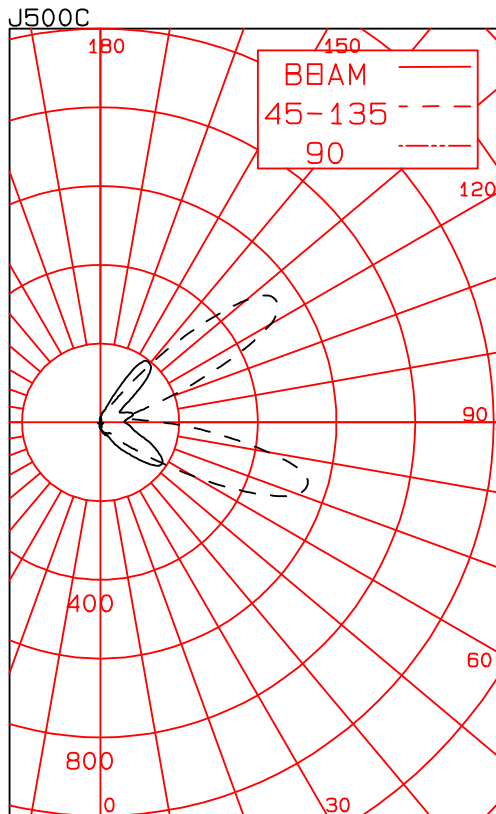


TEST REPORT NO. J500C  
ACCREDITED BY NVLAP (LAB CODE 500084-0) TO ISO/IES 17025:2005 FOR IES LM-79-08

BEGHELLI CANADA LED WALL MOUNT EMERGENCY LIGHT CAT. NO. PL-EM  
WITH INDIVIDUAL LED LENS OPTICS  
FOUR WHITE LEDS. LUMEN OUTPUT = 782 LMS.  
120V LED POWER SUPPLY



CANDLEPOWER SUMMARY						OUTPUT
	BEAM SIDE					LUMENS
ANGLE	90	67.5	45	22.5	BEAM	
0	14	14	14	14	14	
5	15	16	18	19	19	1
15	11	19	25	28	29	3
25	4	21	30	35	36	6
35	1	23	35	57	73	12
45	1	24	55	112	128	26
55	2	22	156	202	188	54
65	7	43	423	214	152	94
75	4	76	543	203	93	112
85	1	47	282	223	72	81
90	0	35	159	242	62	
95	0	31	86	246	64	56
105	1	33	88	239	85	54
115	2	74	338	134	57	72
125	2	203	543	133	75	98
135	1	49	326	221	176	67
145	2	27	85	179	189	30
155	5	23	32	51	68	9
165	8	19	24	28	29	3
175	10	12	15	18	19	1
180	10	10	10	10	10	
ZONE	LUMENS		% LAMP		%LUMINAIRE	
0-30	10		1.38		1.38	
0-40	22		2.93		2.93	
0-60	102		13.12		13.12	
0-90	390		49.99		49.99	
40-90	368		47.06		47.06	
60-90	288		36.87		36.87	
90-180	391		50.01		50.01	
0-180	782		100.00		100.00	

\*\* EFFICACY = 58.1 LMS/WATT \*\*

LUMINANCE SUMMARY-CD. / SQ. M.

ANGLE	BEAM SIDE		BEAM SIDE
	90	45	
45	835	53700	376708
55	1506	139541	559181
65	4937	356369	474879
75	2730	445413	315737
85	681	232393	275752

PREPARED BY:

*Charles Sison*

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. J500C  
COMPUTED BY LSC PROGRAM \*\*TEST-LITE\*\*

BEGHELLI CANADA LED WALL MOUNT EMERGENCY LIGHT CAT. NO. PL-EM  
WITH INDIVIDUAL LED LENS OPTICS  
FOUR WHITE LEDS. LUMEN OUTPUT = 782 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	1.07	1.07	1.07	1.07	.99	.99	.99	.99	.83	.83	.83	.69	.69	.69	.56	.56	.56	.56	.56	.56	.50
1	.92	.85	.79	.74	.84	.78	.73	.67	.64	.60	.56	.52	.49	.46	.40	.38	.36	.36	.36	.36	.30
2	.80	.70	.61	.54	.73	.64	.56	.49	.52	.46	.40	.41	.36	.32	.31	.27	.24	.24	.24	.24	.19
3	.71	.59	.49	.41	.64	.53	.44	.37	.43	.36	.30	.33	.28	.23	.25	.20	.17	.17	.17	.17	.12
4	.64	.50	.40	.33	.58	.46	.37	.30	.37	.30	.24	.28	.23	.18	.21	.16	.13	.13	.13	.13	.09
5	.58	.43	.34	.26	.52	.40	.30	.24	.32	.24	.19	.24	.19	.14	.18	.13	.10	.10	.10	.10	.06
6	.53	.38	.29	.22	.48	.35	.26	.19	.28	.21	.15	.21	.16	.11	.15	.11	.07	.07	.07	.07	.04
7	.48	.34	.25	.18	.44	.31	.22	.16	.25	.18	.13	.19	.13	.09	.14	.09	.06	.06	.06	.06	.03
8	.45	.30	.22	.15	.40	.28	.19	.14	.22	.16	.11	.17	.12	.08	.12	.08	.05	.05	.05	.05	.02
9	.41	.28	.19	.13	.37	.25	.17	.12	.20	.14	.09	.16	.10	.07	.11	.07	.04	.04	.04	.04	.02
10	.39	.25	.17	.12	.35	.23	.15	.10	.18	.12	.08	.14	.09	.06	.10	.06	.03	.03	.03	.03	.01

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES  
LUMINAIRE INPUT WATTS = 13.4  
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.  
ABSOLUTE PHOTOMETRY TAKEN.

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

TEST REPORT NO. J500C  
COMPUTED BY LSC PROGRAM \*\*TEST-LITE\*\*

BEGHELLI CANADA LED WALL MOUNT EMERGENCY LIGHT CAT. NO. PL-EM  
WITH INDIVIDUAL LED LENS OPTICS  
FOUR WHITE LEDS. LUMEN OUTPUT = 782 LMS.  
120V LED POWER SUPPLY

BEAM SIDE  
CANDLEPOWER DATA

ANGLE	PLANE				BEAM SIDE	AVERAGE	OUTPUT LUMENS
	90	67.5	45	22.5			
0	14	14	14	14	14	14	
5	15	16	18	19	19	17	1
10	13	18	22	24	24	20	
15	11	19	25	28	29	23	3
20	7	20	28	32	33	25	
25	4	21	30	35	36	27	6
30	3	22	32	37	45	29	
35	1	23	35	57	73	38	12
40	1	23	34	85	97	48	
45	1	24	55	112	128	64	26
50	1	20	95	153	166	88	
55	2	22	156	202	188	119	54
60	5	28	274	227	179	155	
65	7	43	423	214	152	190	94
70	7	86	533	206	120	222	
75	4	76	543	203	93	218	112
80	1	64	431	210	81	187	
85	1	47	282	223	72	147	81
90	0	35	159	242	62	117	
95	0	31	86	246	64	99	56
100	1	30	67	257	77	98	
105	1	33	88	239	85	100	54
110	1	39	182	181	75	110	
115	2	74	338	134	57	144	72
120	2	124	500	111	59	191	
125	2	203	543	133	75	229	98
130	1	131	482	190	122	216	
135	1	49	326	221	176	171	67
140	1	28	175	218	195	130	
145	2	27	85	179	189	97	30
150	3	25	44	99	129	58	
155	5	23	32	51	68	36	9
160	6	22	29	32	35	26	
165	8	19	24	28	29	22	3
170	9	16	21	23	24	19	
175	10	12	15	18	19	15	1
180	10	10	10	10	10	10	

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

TEST REPORT NO. J500C  
 COMPUTED BY LSC PROGRAM \*\*TEST-LITE\*\*

BEGHELLI CANADA LED WALL MOUNT EMERGENCY LIGHT CAT. NO. PL-EM  
 WITH INDIVIDUAL LED LENS OPTICS  
 FOUR WHITE LEDS. LUMEN OUTPUT = 782 LMS.  
 120V LED POWER SUPPLY

BEAM SIDE  
 AVERAGE LUMINANCE DATA

		CD. / SQ. M.		(FOOTLAMBERTS)			
ANGLE	90	67.5	45	22.5	BEAM SIDE		
0	58329 ( 17024)	58329 ( 17024)	58329 ( 17024)	58329 ( 17024)	58329 ( 17024)		
30	3207 ( 936)	23335 ( 6810)	39999 ( 11674)	61843 ( 18049)	135858 ( 39652)		
40	894 ( 260)	20790 ( 6068)	35923 ( 10484)	123316 ( 35991)	285758 ( 83402)		
45	835 ( 243)	19923 ( 5814)	53700 ( 15673)	155492 ( 45382)	376708 (109947)		
50	788 ( 230)	16281 ( 4752)	88738 ( 25899)	203215 ( 59311)	487021 (142144)		
55	1506 ( 439)	16453 ( 4802)	139541 ( 40727)	259691 ( 75794)	559181 (163205)		
60	3628 ( 1058)	20559 ( 6000)	236835 ( 69123)	286089 ( 83499)	542526 (158344)		
65	4937 ( 1440)	30396 ( 8871)	356369 (104011)	265458 ( 77477)	474879 (138600)		
70	4838 ( 1412)	60445 ( 17641)	441391 (128826)	252635 ( 73735)	387304 (113040)		
75	2730 ( 797)	52457 ( 15310)	445413 (130000)	249352 ( 72777)	315737 ( 92152)		
80	679 ( 198)	43896 ( 12811)	353359 (103133)	259611 ( 75771)	290075 ( 84662)		
85	681 ( 198)	32229 ( 9406)	232393 ( 67827)	280193 ( 81778)	275752 ( 80482)		

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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

TEST REPORT NO. J500C  
COMPUTED BY LSC PROGRAM \*\*TEST-LITE\*\*

BEGHELLI CANADA LED WALL MOUNT EMERGENCY LIGHT CAT. NO. PL-EM  
WITH INDIVIDUAL LED LENS OPTICS  
FOUR WHITE LEDS. LUMEN OUTPUT = 782 LMS.  
120V LED POWER SUPPLY

OPPOSITE SIDE TO BEAM  
CANDLEPOWER DATA

ANGLE	PLANE				NON- BEAM	AVERAGE	OUTPUT LUMENS
	90	112.5	135	157.5			
0	14	14	14	14	14	14	
5	15	7	2	0	0	4	0
10	13	1	0	0	0	2	
15	11	0	0	0	0	1	0
20	7	0	0	0	0	1	
25	4	0	0	0	0	1	0
30	3	0	0	0	0	0	
35	1	0	0	0	0	0	0
40	1	0	0	0	0	0	
45	1	0	0	0	0	0	0
50	1	0	0	0	0	0	
55	2	0	0	0	0	0	0
60	5	0	0	0	0	1	
65	7	0	0	0	0	1	0
70	7	0	0	0	0	1	
75	4	0	0	0	0	0	0
80	1	0	0	0	0	0	
85	1	0	0	0	0	0	0
90	0	0	0	0	0	0	
95	0	0	0	0	0	0	0
100	1	0	0	0	0	0	
105	1	0	0	0	0	0	0
110	1	0	0	0	0	0	
115	2	0	0	0	0	0	0
120	2	0	0	0	0	0	
125	2	0	0	0	0	0	0
130	1	0	0	0	0	0	
135	1	0	0	0	0	0	0
140	1	0	0	0	0	0	
145	2	0	0	0	0	0	0
150	3	0	0	0	0	0	
155	5	0	0	0	0	1	0
160	6	0	0	0	0	1	
165	8	0	0	0	0	1	0
170	9	3	0	0	0	2	
175	10	8	5	3	3	6	0
180	10	10	10	10	10	10	

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

TEST REPORT NO. J500C  
 COMPUTED BY LSC PROGRAM \*\*TEST-LITE\*\*

BEGHELLI CANADA LED WALL MOUNT EMERGENCY LIGHT CAT. NO. PL-EM  
 WITH INDIVIDUAL LED LENS OPTICS  
 FOUR WHITE LEDS. LUMEN OUTPUT = 782 LMS.  
 120V LED POWER SUPPLY

OPPOSITE SIDE TO BEAM  
 AVERAGE LUMINANCE DATA

		CD. / SQ. M.		(FOOTLAMBERTS)			
ANGLE	90	112.5		135		157.5	NON-BEAM
0	58329( 17024)	58329( 17024)		58329( 17024)		58329( 17024)	58329( 17024)
30	3207( 936)	0( 0)		0( 0)		0( 0)	0( 0)
40	894( 260)	0( 0)		0( 0)		0( 0)	0( 0)
45	835( 243)	0( 0)		0( 0)		0( 0)	0( 0)
50	788( 230)	0( 0)		0( 0)		0( 0)	0( 0)
55	1506( 439)	0( 0)		0( 0)		0( 0)	0( 0)
60	3628( 1058)	0( 0)		0( 0)		0( 0)	0( 0)
65	4937( 1440)	0( 0)		0( 0)		0( 0)	0( 0)
70	4838( 1412)	0( 0)		0( 0)		0( 0)	0( 0)
75	2730( 797)	0( 0)		0( 0)		0( 0)	0( 0)
80	679( 198)	0( 0)		0( 0)		0( 0)	0( 0)
85	681( 198)	0( 0)		0( 0)		0( 0)	0( 0)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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

TEST REPORT NO. J500C

BEGHELLI CANADA LED WALL MOUNT EMERGENCY LIGHT CAT. NO. PL-EM  
WITH INDIVIDUAL LED LENS OPTICS  
FOUR WHITE LEDS. LUMEN OUTPUT = 782 LMS.  
120V LED POWER SUPPLY

AMBIENT TEMPERATURE: 25.2 °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: 13.45  
POWER FACTOR: 0.59

