



LIGHTING SCIENCES CANADA LTD.

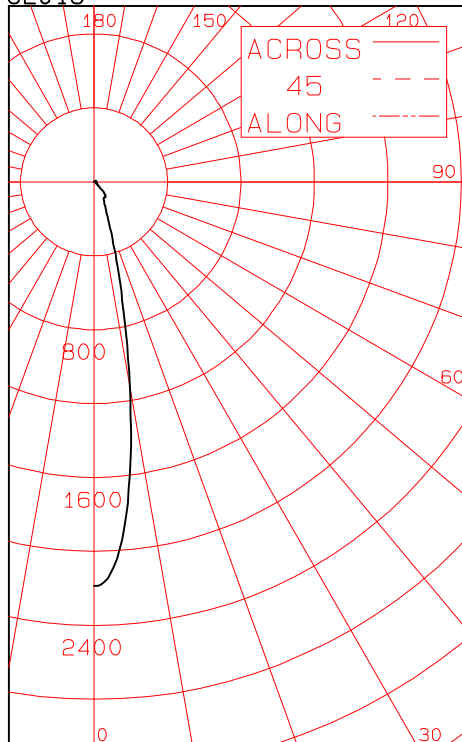
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CERTIFIED TEST REPORT NO. LSC E016
COMPUTED BY LSC PROGRAM **TEST-LITE**

BEGHELLI FORTEZZA EMERGENCY LIGHT CAT. NO. FTZ EMERGENCY LIGHT
WITH CLEAR LENS
ONE 12V 50W MR16 INCANDESCENT LAMP. LUMEN OUTPUT = 579 LMS.

CANDLEPOWER SUMMARY

CE016



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	2186		90	11	
5	1883	155	95	10	11
10	1119		100	9	
15	521	150	105	9	9
20	249		110	9	
25	138	68	115	10	10
30	106		120	11	
35	104	64	125	9	8
40	97		130	6	
45	59	45	135	4	3
50	23		140	2	
55	15	15	145	2	1
60	13		150	2	
65	13	13	155	1	1
70	13		160	1	
75	13	13	165	0	0
80	12		170	0	
85	12	13	175	0	0
90	11		180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	372	64.43	64.43
0-40	437	75.54	75.54
0-60	496	85.84	85.84
0-90	535	92.56	92.56
40-90	98	17.02	17.02
60-90	38	6.72	6.72
90-180	43	7.44	7.44
0-180	579	100.00	100.00

** EFFICACY = 11.9 LMS/WATT **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = .3
SC = .3

ANGLE	MEAN CD/SQ M
45	74056
55	23747
65	27083
75	42897
85	119513

CERTIFIED BY:

Charles Lison

DATE:
SEP 21, 2009

PREPARED FOR:

BEGHELLI CANADA INC.
MARKHAM, ONTARIO

TESTED ACCORDING TO IES PROCEDURES. TEST DISTANCE EXCEEDS FIVE
TIMES THE GREATEST LUMINOUS OPENING OF LUMINAIRE.

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160 FROBISHER DRIVE, UNIT 5
WATERLOO, ONTARIO

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30	106	
35	104	64
40	97	
45	59	45
50	23	
55	15	15
60	13	
65	13	13
70	13	
75	13	13
80	12	
85	12	13
90	11	
95	10	11
100	9	
105	9	9
110	9	
115	10	10
120	11	
125	9	8
130	6	
135	4	3
140	2	
145	2	1
150	2	
155	1	1
160	1	
165	0	0
170	0	
175	0	0
180	0	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE	
0	1917560	(559668)
30	107306	(31319)
40	110595	(32278)
45	74056	(21614)
50	31575	(9215)
55	23747	(6930)
60	23147	(6755)
65	27083	(7904)
70	33505	(9779)
75	42897	(12520)
80	59755	(17440)
85	119513	(34881)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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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	1.17	1.17	1.17	1.17	1.14	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.95	.95	.95	.93
1	1.11	1.08	1.05	1.03	1.08	1.05	1.03	1.01	1.00	.98	.96	.95	.93	.92	.90	.89	.88	.88	.88	.88	.86
2	1.06	1.01	.97	.94	1.03	.99	.95	.92	.94	.91	.89	.90	.88	.86	.87	.85	.83	.83	.83	.83	.81
3	1.01	.95	.90	.87	.99	.93	.89	.86	.90	.86	.83	.86	.84	.81	.83	.81	.79	.83	.81	.79	.77
4	.97	.90	.85	.81	.95	.89	.84	.80	.86	.82	.79	.83	.80	.77	.80	.78	.75	.80	.78	.75	.74
5	.93	.86	.80	.77	.91	.84	.79	.76	.82	.78	.75	.79	.76	.73	.77	.74	.72	.77	.74	.72	.70
6	.90	.82	.77	.73	.88	.81	.76	.72	.79	.75	.71	.77	.73	.70	.75	.72	.69	.75	.72	.69	.68
7	.86	.78	.73	.69	.85	.77	.72	.69	.75	.71	.68	.73	.70	.67	.72	.69	.66	.72	.69	.66	.65
8	.83	.75	.70	.66	.82	.74	.69	.66	.72	.68	.65	.71	.67	.64	.69	.66	.64	.69	.66	.64	.62
9	.80	.72	.67	.63	.79	.71	.67	.63	.70	.65	.63	.68	.65	.62	.67	.64	.61	.67	.64	.61	.60
10	.77	.69	.64	.61	.76	.69	.64	.61	.67	.63	.60	.66	.62	.60	.65	.62	.59	.65	.62	.59	.58

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 68.7
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
ABSOLUTE PHOTOMETRY TAKEN.