



LIGHTING SCIENCES CANADA LTD.

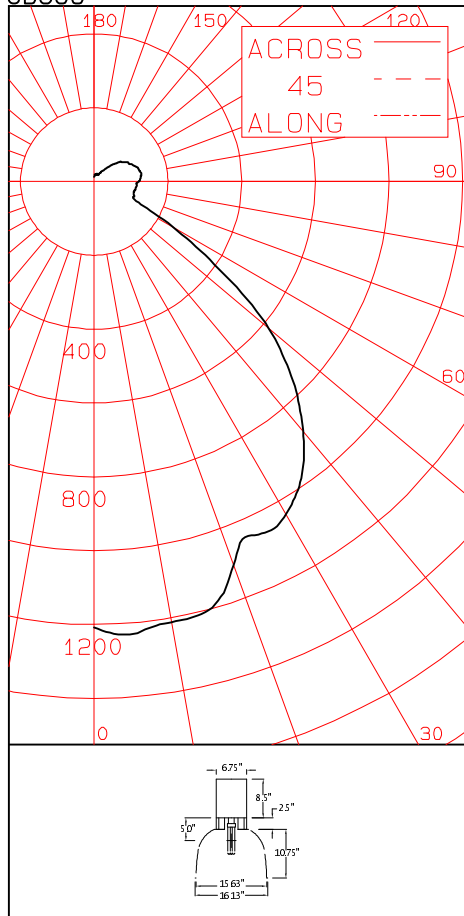
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CERTIFIED TEST REPORT NO. LSC B666
COMPUTED BY LSC PROGRAM **TEST-LITE**

EUREKA INDOOR COMPACT FLUORESCENT LUMINAIRE CAT. NO. 4271-FGQ557.E.8-MG-CLR
PRISMATIC REFLECTOR/REFRACTOR, SPECULAR RING REFLECTOR, PERFORATED LAMP CUFF
ONE 57W TRIPLE-BIAXIAL COMPACT FLUORESCENT LAMP. LUMEN RATING = 4100 LMS.
ONE UNIVERSAL TRIAD 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST NO. C242UNVBES

CANDLEPOWER SUMMARY

CB666



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	1207		90	121	
5	1231	118	95	127	138
10	1212		100	130	
15	1202	334	105	125	132
20	1106		110	120	
25	1055	489	115	112	110
30	1041		120	105	
35	981	608	125	93	83
40	883		130	78	
45	764	583	135	60	47
50	619		140	41	
55	415	377	145	30	20
60	246		150	22	
65	127	146	155	21	10
70	115		160	22	
75	111	119	165	22	6
80	114		170	20	
85	117	126	175	19	2
90	121		180	13	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	940	22.95	27.29
0-40	1549	37.78	44.93
0-60	2508	61.19	72.76
0-90	2900	70.73	84.11
40-90	1350	32.95	39.18
60-90	391	9.54	11.35
90-180	547	13.36	15.89
0-180	3448	84.10	100.00

** EFFICIENCY = 84.1% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.3
SC = 1.3

ANGLE	MEAN CD/SQ M
45	6991
55	3841
65	1223
75	1155
85	1362

CERTIFIED BY:

Charles Lison

DATE:
APR 27, 2007

PREPARED FOR:

EUREKA LIGHTING
MONTREAL, QUEBEC

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

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90	121	
95	127	138
100	130	
105	125	132
110	120	
115	112	110
120	105	
125	93	83
130	78	
135	60	47
140	41	
145	30	20
150	22	
155	21	10
160	22	
165	22	6
170	20	
175	19	2
180	13	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE	
0	45320	(13227)
30	9933	(2899)
40	8129	(2372)
45	6991	(2040)
50	5673	(1655)
55	3841	(1121)
60	2314	(675)
65	1223	(357)
70	1151	(336)
75	1155	(337)
80	1254	(366)
85	1362	(397)

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	.97	.97	.97	.97	.93	.93	.93	.93	.86	.86	.86	.80	.80	.80	.74	.74	.74	.71			
1	.89	.86	.82	.79	.86	.83	.80	.77	.76	.74	.72	.71	.69	.68	.66	.65	.63	.61			
2	.83	.77	.72	.68	.79	.74	.70	.66	.69	.65	.62	.64	.62	.59	.60	.58	.56	.54			
3	.76	.69	.63	.58	.73	.67	.61	.57	.62	.58	.54	.58	.55	.52	.55	.52	.49	.47			
4	.71	.62	.56	.51	.68	.61	.55	.50	.57	.52	.48	.53	.49	.46	.50	.47	.44	.42			
5	.66	.56	.50	.45	.63	.55	.49	.44	.52	.46	.43	.49	.44	.41	.46	.42	.39	.37			
6	.61	.51	.44	.40	.59	.50	.43	.39	.47	.42	.38	.44	.40	.36	.42	.38	.35	.33			
7	.56	.46	.39	.35	.54	.45	.39	.34	.42	.37	.33	.40	.35	.32	.38	.34	.31	.29			
8	.52	.42	.35	.31	.50	.41	.34	.30	.38	.33	.29	.36	.32	.28	.35	.30	.27	.26			
9	.48	.38	.32	.27	.47	.37	.31	.27	.35	.30	.26	.33	.28	.25	.31	.27	.24	.23			
10	.45	.35	.28	.24	.43	.34	.28	.24	.32	.27	.23	.30	.26	.22	.29	.25	.22	.20			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 57.6
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST FACTORS HAVE NOT BEEN APPLIED.