



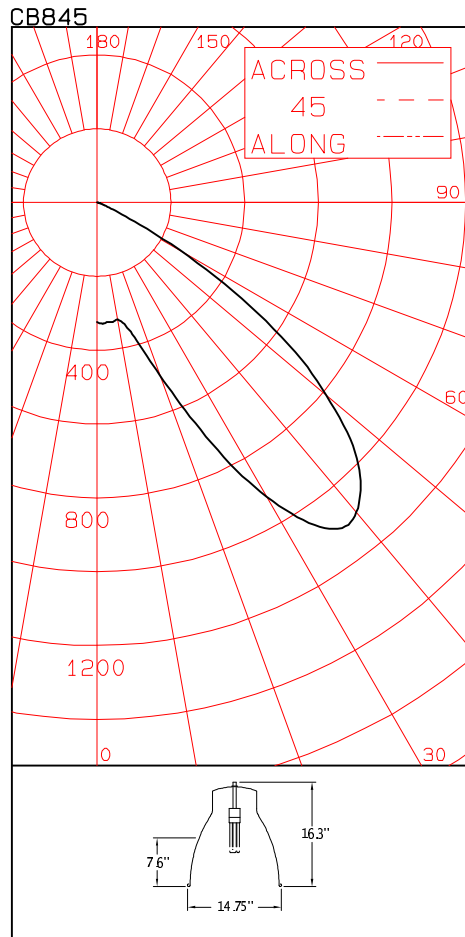
LIGHTING SCIENCES CANADA LTD.

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CERTIFIED TEST REPORT NO. LSC B845
COMPUTED BY LSC PROGRAM **TEST-LITE**

EUREKA INDOOR PENDANT LUMINAIRE CAT. NO. 4452-2402G-5-0006-FGQU2642.E.8-S C-S A
WITH SEMI-SPECULAR REFLECTOR
ONE 42W TRIPLE-BIAXIAL COMPACT FLUORESCENT LAMP. LUMEN RATING = 3200 LMS.
ONE SYLVANIA 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST NO. QTP 2x26CF/UNV DM-S

CANDLEPOWER SUMMARY



ANGLE	MEAN CP	LUMENS
0	324	
5	325	32
10	322	
15	370	112
20	498	
25	699	332
30	920	
35	1076	661
40	1095	
45	1002	757
50	812	
55	560	488
60	258	
65	65	89
70	19	
75	7	8
80	1	
85	1	1
90	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	476	14.88	19.20
0-40	1137	35.55	45.86
0-60	2383	74.47	96.08
0-90	2480	77.51	100.00
40-90	1342	41.96	54.14
60-90	97	3.04	3.92
90-180	0	.00	.00
0-180	2480	77.51	100.00

** EFFICIENCY = 77.5% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 2.6
SC = 2.1

ANGLE	MEAN CD/SQ M
45	13635
55	9394
65	1469
75	243
85	140

CERTIFIED BY:

Charles Lison

DATE:
AUG 22, 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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CANDLEPOWER DATA
IN 2.5 DEGREE STEPS

ANGLE	CANDLEPOWER	LUMENS
.0	324	
2.5	329	
5.0	325	32
7.5	326	
10.0	322	
12.5	338	
15.0	370	112
17.5	424	
20.0	498	
22.5	590	
25.0	699	332
27.5	817	
30.0	920	
32.5	1010	
35.0	1076	661
37.5	1106	
40.0	1095	
42.5	1059	
45.0	1002	757
47.5	921	
50.0	812	
52.5	700	
55.0	560	488
57.5	409	
60.0	258	
62.5	131	
65.0	65	89
67.5	30	
70.0	19	
72.5	10	
75.0	7	8
77.5	2	
80.0	1	
82.5	2	
85.0	1	1
87.5	1	
90.0	0	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE		
0	3108	(907)
30	10175	(2969)
40	13696	(3997)
45	13635	(3979)
50	12100	(3531)
55	9394	(2741)
60	4945	(1443)
65	1469	(428)
70	529	(154)
75	243	(71)
80	55	(16)
85	140	(40)

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	.92	.92	.92	.92	.90	.90	.90	.90	.86	.86	.86	.82	.82	.82	.79	.79	.79	.79	.79	.79	.78
1	.86	.83	.81	.78	.84	.82	.79	.77	.78	.77	.75	.75	.74	.73	.73	.72	.70	.70	.70	.69	.69
2	.80	.75	.71	.67	.78	.74	.70	.67	.71	.68	.65	.69	.66	.64	.67	.64	.62	.62	.62	.61	.61
3	.74	.67	.62	.57	.72	.66	.61	.57	.64	.59	.56	.62	.58	.55	.60	.57	.54	.54	.54	.53	.53
4	.68	.60	.54	.49	.66	.59	.54	.49	.57	.52	.48	.55	.51	.48	.54	.50	.47	.47	.47	.46	.46
5	.62	.53	.47	.42	.61	.52	.46	.42	.51	.46	.42	.49	.45	.41	.48	.44	.41	.41	.41	.39	.39
6	.57	.47	.40	.36	.55	.46	.40	.35	.45	.39	.35	.43	.38	.35	.42	.38	.34	.34	.34	.33	.33
7	.51	.41	.34	.30	.50	.40	.34	.29	.39	.33	.29	.38	.33	.29	.37	.32	.28	.28	.28	.27	.27
8	.46	.36	.29	.25	.45	.35	.29	.24	.34	.28	.24	.33	.28	.24	.32	.27	.24	.24	.24	.22	.22
9	.42	.31	.25	.20	.41	.31	.24	.20	.30	.24	.20	.29	.24	.20	.28	.23	.20	.20	.20	.18	.18
10	.38	.27	.21	.16	.37	.27	.21	.16	.26	.20	.16	.25	.20	.16	.25	.20	.16	.16	.16	.15	.15

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 43.3
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.