



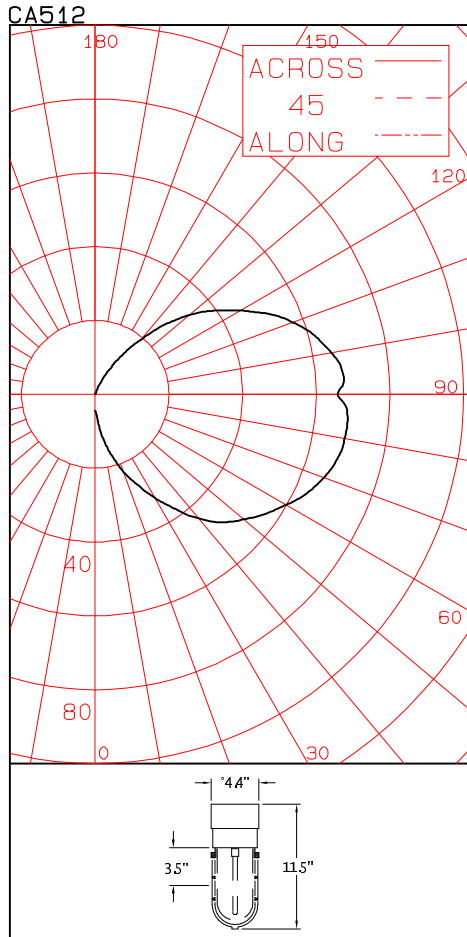
LIGHTING SCIENCES CANADA LTD.

440 Phillip St., Unit 19, Waterloo, Ontario, Canada N2L 5R9
 Tel: (519) 746-3140 Fax: (519) 746-3156 lsc@lightingsciences.ca

CERTIFIED TEST REPORT NO. LSC A512
 COMPUTED BY LSC PROGRAM **TEST-LITE**

IPEX NON-METALLIC CEILING MOUNT LIGHT FIXTURE CAT. NO. LVPL13C
 WITH CLEAR GLASS JAR LENS AND PLASTIC PROTECTIVE GUARD
 ONE 13W TWIN-TUBE COMPACT FLUORESCENT LAMP. LUMEN RATING = 800 LMS.
 ONE ETLIN-DANIELS 120V 1-LAMP MAGNETIC BALLAST NO. CF-1322T-CC-TP

CANDLEPOWER SUMMARY



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	5		90	66	
5	7	1	95	67	73
10	12		100	65	
15	17	5	105	62	65
20	22		110	57	
25	27	13	115	52	51
30	32		120	45	
35	38	24	125	39	35
40	44		130	33	
45	49	38	135	27	21
50	53		140	20	
55	56	51	145	14	9
60	60		150	8	
65	63	63	155	4	2
70	66		160	1	
75	68	72	165	0	0
80	69		170	0	
85	69	74	175	0	0
90	66		180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	18	2.32	3.12
0-40	42	5.33	7.16
0-60	131	16.38	21.99
0-90	339	42.47	57.03
40-90	297	37.14	49.87
60-90	208	26.10	35.04
90-180	255	32.00	42.97
0-180	595	74.47	100.00

** EFFICIENCY = 74.5% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 5.9
 SC = 5.4

ANGLE	MEAN CD/SQ M
45	3973
55	4351
65	4802
75	5212
85	5511

CERTIFIED BY:

Charles Sison

DATE:
 DEC 14, 2004

PREPARED FOR:

IPEX INC.
 MISSISSAUGA, ONTARIO

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

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CANDLEPOWER DATA

ANGLE	CANDLEPOWER	LUMENS
0	5	
5	7	1
10	12	
15	17	5
20	22	
25	27	13
30	32	
35	38	24
40	44	
45	49	38
50	53	
55	56	51
60	60	
65	63	63
70	66	
75	68	72
80	69	
85	69	74
90	66	
95	67	73
100	65	
105	62	65
110	57	
115	52	51
120	45	
125	39	35
130	33	
135	27	21
140	20	
145	14	9
150	8	
155	4	2
160	1	
165	0	0
170	0	
175	0	0
180	0	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE
0	726 (212)
30	3031 (884)
40	3694 (1078)
45	3973 (1159)
50	4146 (1210)
55	4351 (1270)
60	4562 (1331)
65	4802 (1401)
70	5014 (1463)
75	5212 (1521)
80	5368 (1566)
85	5511 (1608)

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	.81	.81	.81	.81	.75	.75	.75	.75	.65	.65	.65	.55	.55	.55	.47	.47	.47	.47	.47	.47	.42
1	.70	.65	.60	.56	.64	.60	.56	.52	.50	.47	.44	.42	.40	.37	.34	.32	.31	.31	.31	.31	.27
2	.61	.54	.47	.42	.56	.49	.44	.39	.41	.37	.33	.34	.31	.27	.27	.25	.22	.22	.22	.22	.19
3	.55	.45	.38	.32	.50	.42	.35	.30	.35	.30	.25	.28	.24	.21	.23	.19	.17	.17	.17	.17	.13
4	.50	.39	.32	.26	.45	.36	.30	.24	.30	.25	.21	.25	.20	.17	.19	.16	.13	.13	.13	.13	.10
5	.45	.34	.27	.21	.41	.32	.25	.20	.26	.21	.17	.21	.17	.14	.17	.13	.10	.10	.10	.10	.08
6	.41	.30	.23	.18	.37	.28	.21	.16	.23	.18	.14	.19	.14	.11	.15	.11	.08	.08	.08	.08	.06
7	.37	.27	.20	.15	.34	.24	.18	.13	.20	.15	.11	.16	.12	.09	.13	.09	.07	.07	.07	.07	.05
8	.34	.24	.17	.12	.31	.22	.16	.11	.18	.13	.09	.15	.11	.07	.12	.08	.06	.06	.06	.06	.04
9	.32	.21	.15	.11	.29	.20	.14	.10	.16	.11	.08	.13	.09	.06	.10	.07	.05	.05	.05	.05	.03
10	.29	.19	.13	.09	.27	.18	.12	.08	.15	.10	.07	.12	.08	.05	.10	.06	.04	.04	.04	.04	.02

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 15.1
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.