



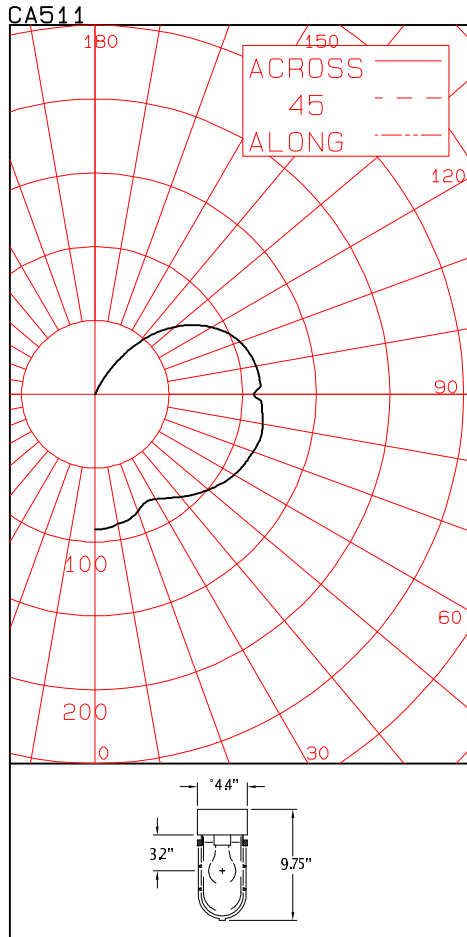
# LIGHTING SCIENCES CANADA LTD.

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 A511  
 COMPUTED BY LSC PROGRAM \*\*TEST-LITE\*\*

IPEX NON-METALLIC CEILING MOUNT LIGHT FIXTURE CAT. NO. LVPF150C  
 WITH CLEAR GLASS JAR LENS AND PLASTIC PROTECTIVE GUARD  
 ONE 100W 120V COATED A19 SOFT WHITE INCANDESCENT LAMP. LUMEN RATING = 1470 LMS.

### CANDLEPOWER SUMMARY



ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	91		90	107	
5	91	9	95	112	121
10	89		100	111	
15	88	25	105	108	114
20	85		110	104	
25	81	38	115	99	98
30	82		120	91	
35	86	54	125	82	73
40	91		130	71	
45	96	74	135	59	46
50	101		140	45	
55	105	94	145	31	20
60	109		150	17	
65	112	111	155	7	4
70	114		160	1	
75	116	122	165	0	0
80	116		170	0	
85	114	123	175	0	0
90	107		180	0	

### ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	71	4.84	6.32
0-40	125	8.52	11.12
0-60	293	19.96	26.07
0-90	649	44.18	57.71
40-90	524	35.67	46.58
60-90	356	24.22	31.63
90-180	475	32.38	42.29
0-180	1125	76.56	100.00

\*\* EFFICIENCY = 76.6% \*\*

### LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.5  
 SC = 1.5

ANGLE	MEAN CD/SQ M
45	7754
55	8109
65	8463
75	8895
85	9107

CERTIFIED BY:

*Charles Sison*

DATE:  
 DEC 9, 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	91	
5	91	9
10	89	
15	88	25
20	85	
25	81	38
30	82	
35	86	54
40	91	
45	96	74
50	101	
55	105	94
60	109	
65	112	111
70	114	
75	116	122
80	116	
85	114	123
90	107	
95	112	121
100	111	
105	108	114
110	104	
115	99	98
120	91	
125	82	73
130	71	
135	59	46
140	45	
145	31	20
150	17	
155	7	4
160	1	
165	0	0
170	0	
175	0	0
180	0	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE
0	14732 ( 4299)
30	7668 ( 2238)
40	7631 ( 2227)
45	7754 ( 2263)
50	7917 ( 2310)
55	8109 ( 2366)
60	8297 ( 2421)
65	8463 ( 2470)
70	8654 ( 2525)
75	8895 ( 2596)
80	9020 ( 2632)
85	9107 ( 2658)

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	.83	.83	.83	.83	.78	.78	.78	.78	.67	.67	.67	.57	.57	.57	.48	.48	.48	.48	.48	.48	.48	.44
1	.72	.67	.63	.59	.67	.62	.59	.55	.53	.50	.47	.45	.42	.40	.37	.35	.33	.33	.33	.33	.33	.29
2	.64	.57	.50	.45	.59	.52	.47	.42	.44	.40	.36	.37	.33	.30	.30	.27	.25	.25	.25	.25	.25	.21
3	.58	.48	.41	.36	.53	.45	.38	.33	.38	.33	.28	.31	.27	.24	.25	.22	.20	.20	.20	.20	.20	.16
4	.52	.42	.35	.29	.48	.39	.33	.27	.33	.28	.24	.27	.23	.20	.22	.19	.16	.16	.16	.16	.16	.13
5	.48	.37	.30	.24	.44	.34	.28	.23	.29	.24	.19	.24	.20	.16	.19	.16	.13	.13	.13	.13	.13	.11
6	.44	.33	.26	.20	.40	.30	.24	.19	.26	.20	.16	.21	.17	.14	.17	.14	.11	.11	.11	.11	.11	.09
7	.40	.29	.22	.17	.37	.27	.21	.16	.23	.17	.14	.19	.15	.11	.15	.12	.09	.09	.09	.09	.09	.07
8	.37	.26	.20	.15	.34	.24	.18	.14	.21	.16	.12	.17	.13	.10	.14	.11	.08	.08	.08	.08	.08	.06
9	.34	.24	.17	.13	.31	.22	.16	.12	.19	.14	.10	.16	.12	.09	.13	.09	.07	.07	.07	.07	.07	.05
10	.32	.22	.15	.11	.29	.20	.14	.11	.17	.12	.09	.14	.10	.07	.12	.08	.06	.06	.06	.06	.06	.04

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES  
 LUMINAIRE INPUT WATTS = 96.2  
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.  
 BALLAST FACTORS HAVE NOT BEEN APPLIED.