LIGHTING SCIENCES CANADA LTD.

440 Phillip St., Unit 19, Waterloo, Ontario, Canada N2L 5R9
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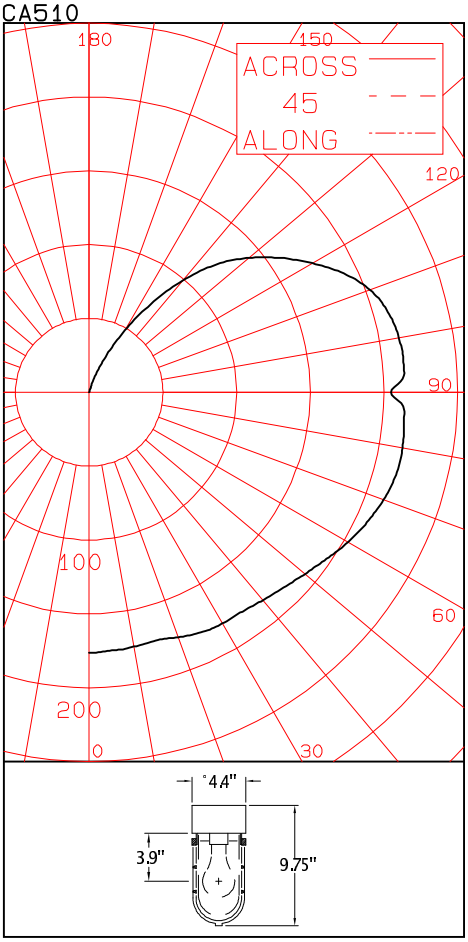
CERTIFIED TEST REPORT NO. LSC A510
COMPUTED BY LSC PROGRAM **TEST-LITE**

IPEX NON-METALLIC CEILING MOUNT LIGHT FIXTURE CAT. NO. LVPF150
WITH CLEAR GLASS JAR LENS AND PLASTIC PROTECTIVE GUARD
ONE 150W 120V COATED A21 SOFT WHITE INCANDESCENT LAMP. LUMEN RATING = 2780 LMS.

CA510



CANDLEPOWER SUMMARY

ANGLE	MEAN CP	LMS.	ANGLE	MEAN CP	LMS.
0	176		90	205	
5	175	17	95	214	232
10	175		100	213	
15	174	50	105	210	221
20	177		110	203	
25	179	83	115	191	189
30	181		120	175	
35	181	114	125	159	142
40	184		130	142	
45	187	145	135	123	95
50	191		140	99	
55	197	177	145	73	47
60	203		150	48	
65	208	206	155	28	14
70	213		160	13	
75	216	227	165	3	1
80	216		170	0	
85	215	233	175	0	0
90	205		180	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	149	5.37	6.82
0-40	263	9.47	12.01
0-60	584	21.03	26.67
0-90	1250	45.00	57.06
40-90	987	35.52	45.05
60-90	666	23.96	30.39
90-180	941	33.86	42.94
0-180	2192	78.85	100.00

** EFFICIENCY = 78.9% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.6
SC = 1.6

ANGLE	MEAN CD/SQ M
45	15147
55	15169
65	15764
75	16541
85	17187

CERTIFIED BY:
Charles Lasion
DATE:
DEC 8, 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	176	
5	175	17
10	175	
15	174	50
20	177	
25	179	83
30	181	
35	181	114
40	184	
45	187	145
50	191	
55	197	177
60	203	
65	208	206
70	213	
75	216	227
80	216	
85	215	233
90	205	
95	214	232
100	213	
105	210	221
110	203	
115	191	189
120	175	
125	159	142
130	142	
135	123	95
140	99	
145	73	47
150	48	
155	28	14
160	13	
165	3	1
170	0	
175	0	0
180	0	

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AVERAGE LUMINANCE DATA

ANGLE	LUMINANCE	
0	28413	(8292)
30	16907	(4934)
40	15457	(4511)
45	15147	(4421)
50	15075	(4399)
55	15169	(4427)
60	15448	(4508)
65	15764	(4601)
70	16143	(4711)
75	16541	(4827)
80	16860	(4920)
85	17187	(5016)

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES

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COEFFICIENTS OF UTILIZATION

ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE = .20

CC	80				70				50			30			10			0
WALL	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	.86	.86	.86	.86	.80	.80	.80	.80	.69	.69	.69	.59	.59	.59	.49	.49	.49	.45
1	.75	.70	.65	.61	.69	.64	.60	.56	.55	.52	.49	.46	.44	.41	.38	.36	.34	.30
2	.66	.59	.52	.47	.61	.54	.48	.43	.46	.41	.37	.38	.35	.32	.31	.28	.26	.22
3	.60	.50	.43	.37	.55	.46	.40	.35	.39	.34	.30	.32	.29	.25	.26	.23	.20	.17
4	.54	.44	.37	.31	.50	.41	.34	.29	.34	.29	.25	.29	.24	.21	.23	.20	.17	.14
5	.49	.38	.31	.26	.45	.36	.29	.24	.30	.25	.21	.25	.21	.17	.20	.17	.14	.11
6	.45	.34	.27	.22	.41	.32	.25	.20	.27	.21	.17	.22	.18	.15	.18	.14	.12	.09
7	.41	.30	.23	.18	.38	.28	.22	.17	.24	.18	.15	.20	.15	.12	.16	.13	.10	.08
8	.38	.27	.21	.16	.35	.25	.19	.15	.21	.16	.13	.18	.14	.11	.15	.11	.09	.07
9	.35	.25	.18	.14	.33	.23	.17	.13	.19	.15	.11	.16	.12	.09	.13	.10	.07	.06
10	.33	.23	.16	.12	.30	.21	.15	.11	.18	.13	.10	.15	.11	.08	.12	.09	.06	.05

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 146.2
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST FACTORS HAVE NOT BEEN APPLIED.