

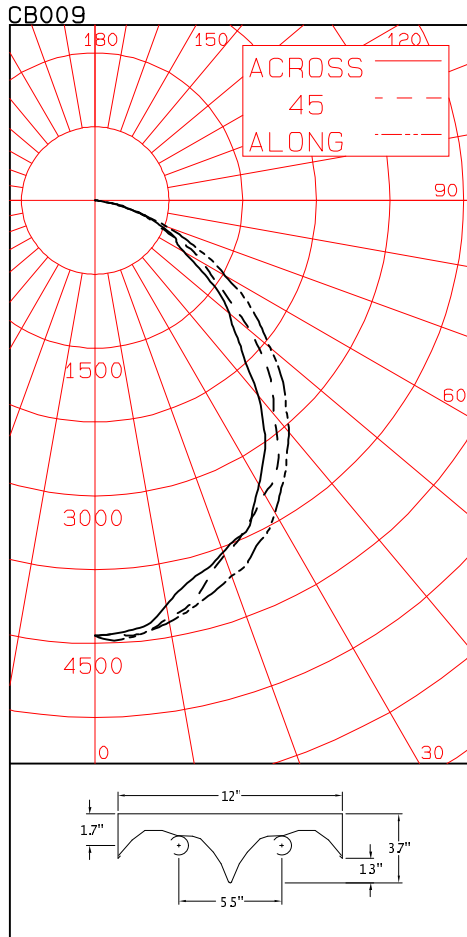


LIGHTING SCIENCES CANADA LTD.

440 Phillip St., Unit 19, Waterloo, Ontario, Canada N2L 5R9
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CERTIFIED TEST REPORT NO. LSC B009
 COMPUTED BY LSC PROGRAM **TEST-LITE**

CUSTOM LIGHTING 8' SURFACE MOUNT FIXTURE CAT. NO. CL-BTIG-P-M-N-1X8-OI(PLUS)-2L
 WITH SPECULAR REFLECTORS
 FOUR F32T8/TL841 32W T8 FLUORESCENT LAMPS. LUMEN RATING = 2950 LMS.
 TWO ADVANCE 120V 1 OR 2-LAMP ELECTRONIC BALLASTS NO. REL-2P32-HL-SC



CANDLEPOWER SUMMARY OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	4421	4421	4421	4421	4421	
5	4446	4407	4432	4401	4377	423
10	4350	4351	4301	4208	4171	
15	4208	4232	4117	3972	3951	1155
20	4061	4034	3840	3849	3803	
25	3874	3775	3650	3655	3681	1704
30	3663	3493	3443	3377	3334	
35	3377	3196	3247	3062	3023	1973
40	3070	2909	2828	2688	2582	
45	2724	2602	2514	2197	2091	1866
50	2325	2289	2056	1774	1780	
55	1961	1904	1574	1538	1433	1491
60	1529	1518	1271	1131	1042	
65	1135	1134	898	854	905	967
70	772	705	613	694	674	
75	448	413	443	451	415	456
80	189	194	230	187	192	
85	24	32	32	25	6	61
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	3281	27.81	32.50
0-40	5254	44.53	52.05
0-60	8612	72.98	85.31
0-90	10095	85.56	100.00
40-90	4841	41.03	47.95
60-90	1483	12.57	14.69
90-180	0	.00	.00
0-180	10095	85.56	100.00

** EFFICIENCY = 85.6% **

LUMINANCE SUMMARY-CD. / SQ. M.

ANGLE	ALONG	45	ACROSS
45	5184	4802	3994
55	4600	3706	3373
65	3612	2869	2893
75	2330	2303	2163
85	365	488	88

S/MH = 1.1
 SC(ALONG) = 1.2, SC(ACROSS) = 1.1

CERTIFIED BY:
Charles Sisson DATE: DEC 21, 2005
 PREPARED FOR:
 CUSTOM LIGHTING LTD.
 EDMONTON, ALBERTA

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	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
.0	4421	4421	4421	4421	4421	4421	
2.5	4473	4427	4412	4406	4403	4421	
5.0	4446	4407	4432	4401	4377	4413	423
7.5	4399	4368	4395	4326	4326	4363	
10.0	4350	4351	4301	4208	4171	4280	
12.5	4283	4277	4245	4103	4042	4197	
15.0	4208	4232	4117	3972	3951	4100	1155
17.5	4138	4145	3956	3940	3897	4014	
20.0	4061	4034	3840	3849	3803	3914	
22.5	4007	3916	3762	3729	3725	3818	
25.0	3874	3775	3650	3655	3681	3714	1704
27.5	3798	3623	3548	3542	3496	3590	
30.0	3663	3493	3443	3377	3334	3453	
32.5	3511	3345	3378	3227	3171	3323	
35.0	3377	3196	3247	3062	3023	3176	1973
37.5	3209	3077	3046	2886	2802	3004	
40.0	3070	2909	2828	2688	2582	2813	
42.5	2879	2758	2683	2415	2288	2610	
45.0	2724	2602	2514	2197	2091	2430	1866
47.5	2546	2436	2295	1973	1907	2233	
50.0	2325	2289	2056	1774	1780	2043	
52.5	2138	2098	1798	1658	1635	1860	
55.0	1961	1904	1574	1538	1433	1678	1491
57.5	1769	1717	1399	1313	1219	1481	
60.0	1529	1518	1271	1131	1042	1301	
62.5	1369	1313	1133	905	933	1126	
65.0	1135	1134	898	854	905	977	967
67.5	959	910	721	800	783	825	
70.0	772	705	613	694	674	684	
72.5	588	551	541	571	565	560	
75.0	448	413	443	451	415	435	456
77.5	298	274	339	280	297	298	
80.0	189	194	230	187	192	200	
82.5	94	115	113	85	59	98	
85.0	24	32	32	25	6	26	61
87.5	0	0	0	0	0	0	
90.0	0	0	0	0	0	0	

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AVERAGE LUMINANCE DATA

ANGLE	ALONG	CD. / SQ. M. (FOOTLAMBERTS)			
		22.5	45	67.5	ACROSS
0	5948 (1736)	5948 (1736)	5948 (1736)	5948 (1736)	5948 (1736)
30	5691 (1661)	5442 (1588)	5363 (1565)	5258 (1534)	5180 (1511)
40	5392 (1573)	5122 (1495)	4972 (1451)	4733 (1381)	4535 (1323)
45	5184 (1513)	4957 (1446)	4802 (1401)	4193 (1223)	3994 (1165)
50	4866 (1420)	4809 (1403)	4304 (1256)	3723 (1086)	3726 (1087)
55	4600 (1342)	4474 (1305)	3706 (1081)	3618 (1056)	3373 (984)
60	4113 (1200)	4098 (1196)	3424 (999)	3052 (890)	2804 (818)
65	3612 (1054)	3614 (1054)	2869 (837)	2728 (796)	2893 (844)
70	3036 (886)	2783 (812)	2416 (705)	2734 (798)	2652 (774)
75	2330 (680)	2156 (629)	2303 (672)	2353 (686)	2163 (631)
80	1461 (426)	1506 (439)	1785 (521)	1447 (422)	1489 (434)
85	365 (106)	488 (142)	488 (142)	389 (113)	88 (25)

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	1.0	.21	.021	.021	.021	.02	.99	.99	.99	.99	.95	.95	.95	.91	.91	.91	.87	.87	.87	.86	
1	.95	.91	.88	.86	.93	.90	.87	.84	.86	.84	.82	.83	.81	.79	.80	.78	.77	.75			
2	.87	.82	.77	.72	.85	.80	.75	.71	.77	.73	.70	.74	.71	.68	.72	.69	.67	.65			
3	.81	.73	.67	.62	.79	.72	.66	.62	.69	.64	.60	.67	.63	.59	.65	.61	.58	.57			
4	.74	.65	.59	.54	.73	.64	.58	.53	.62	.57	.53	.60	.56	.52	.59	.55	.51	.50			
5	.68	.58	.51	.46	.67	.57	.51	.46	.56	.50	.45	.54	.49	.45	.53	.48	.44	.43			
6	.63	.53	.46	.41	.62	.52	.45	.40	.50	.44	.40	.49	.44	.40	.48	.43	.39	.38			
7	.58	.48	.41	.36	.57	.47	.40	.35	.46	.39	.35	.44	.39	.35	.43	.38	.35	.33			
8	.54	.43	.36	.31	.53	.42	.36	.31	.41	.35	.31	.40	.35	.31	.39	.34	.30	.29			
9	.50	.39	.32	.27	.49	.38	.32	.27	.37	.31	.27	.36	.31	.27	.35	.30	.26	.25			
10	.46	.35	.28	.24	.45	.35	.28	.24	.34	.28	.24	.33	.27	.24	.32	.27	.23	.22			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 149.4
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.