

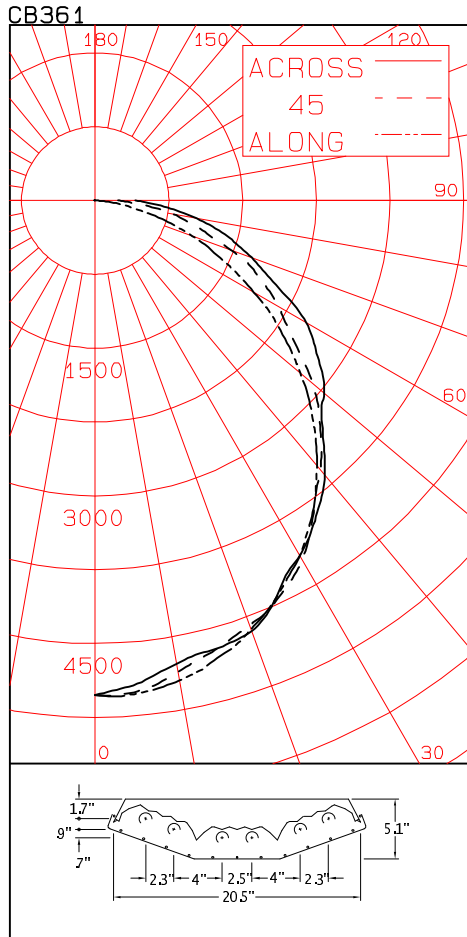


LIGHTING SCIENCES CANADA LTD.

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 B361
 COMPUTED BY LSC PROGRAM **TEST-LITE**

CUSTOM LIGHTING SURFACE MOUNT FIXTURE CAT. NO. CL-GYM-T8-6-G-GW
 WITH SPECULAR REFLECTOR AND WHITE WIREGUARD
 SIX F32T8/TL841 32W T8 FLUORESCENT LAMPS. LUMEN RATING = 2950 LMS.
 THREE 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	5022	5022	5022	5022	5022	
5	5026	5041	5004	4950	4928	479
10	4948	4948	4862	4797	4781	
15	4810	4778	4728	4700	4720	1339
20	4636	4552	4591	4655	4654	
25	4411	4327	4439	4458	4405	2025
30	4167	4072	4215	4147	4167	
35	3862	3824	3873	3927	3920	2422
40	3513	3546	3565	3660	3636	
45	3131	3190	3237	3303	3273	2492
50	2725	2779	2888	2947	3044	
55	2304	2349	2462	2706	2764	2249
60	1864	1946	2159	2398	2483	
65	1444	1568	1838	2043	2029	1773
70	1047	1173	1475	1629	1694	
75	668	829	1106	1299	1395	1126
80	340	495	807	995	1052	
85	86	257	485	642	705	495
90	0	57	230	364	408	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	% LUMINAIRE
0-30	3843	21.71	26.69
0-40	6265	35.40	43.51
0-60	11006	62.18	76.43
0-90	14401	81.36	100.00
40-90	8135	45.96	56.49
60-90	3394	19.18	23.57
90-180	0	.00	.00
0-180	14401	81.36	100.00

** EFFICIENCY = 81.4% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 1.2
 SC = 1.2

ANGLE	ALONG	45	ACROSS
45	6974	6814	6727
55	6327	6235	6770
65	5381	6065	6389
75	4063	5472	6418
85	1560	5139	6385

CERTIFIED BY:

Charles Sisson

DATE:
 SEP 19, 2006

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	5022	5022	5022	5022	5022	5022	
2.5	5041	5062	5026	4992	4975	5022	
5.0	5026	5041	5004	4950	4928	4993	479
7.5	4993	5004	4947	4877	4847	4937	
10.0	4948	4948	4862	4797	4781	4868	
12.5	4895	4879	4787	4749	4726	4806	
15.0	4810	4778	4728	4700	4720	4743	1339
17.5	4742	4679	4652	4700	4694	4687	
20.0	4636	4552	4591	4655	4654	4611	
22.5	4533	4443	4534	4585	4555	4526	
25.0	4411	4327	4439	4458	4405	4408	2025
27.5	4285	4205	4336	4294	4252	4276	
30.0	4167	4072	4215	4147	4167	4150	
32.5	4011	3937	4052	4044	4052	4016	
35.0	3862	3824	3873	3927	3920	3879	2422
37.5	3688	3697	3700	3791	3790	3732	
40.0	3513	3546	3565	3660	3636	3586	
42.5	3326	3377	3411	3510	3450	3422	
45.0	3131	3190	3237	3303	3273	3233	2492
47.5	2942	2980	3077	3101	3124	3047	
50.0	2725	2779	2888	2947	3044	2874	
52.5	2517	2560	2673	2832	2922	2696	
55.0	2304	2349	2462	2706	2764	2513	2249
57.5	2097	2161	2295	2540	2629	2340	
60.0	1864	1946	2159	2398	2483	2169	
62.5	1653	1760	1999	2247	2275	1993	
65.0	1444	1568	1838	2043	2029	1796	1773
67.5	1241	1351	1692	1795	1849	1596	
70.0	1047	1173	1475	1629	1694	1412	
72.5	843	991	1249	1469	1529	1224	
75.0	668	829	1106	1299	1395	1066	1126
77.5	480	673	937	1157	1223	905	
80.0	340	495	807	995	1052	748	
82.5	211	365	651	812	873	593	
85.0	86	257	485	642	705	445	495
87.5	0	126	328	487	540	303	
90.0	0	57	230	364	408	214	

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AVERAGE LUMINANCE DATA

ANGLE	ALONG	CD. / SQ. M. (FOOTLAMBERTS)			
		22.5	45	67.5	ACROSS
0	7911 (2309)	7911 (2309)	7911 (2309)	7911 (2309)	7911 (2309)
30	7580 (2212)	7286 (2126)	7420 (2165)	7223 (2108)	7213 (2105)
40	7223 (2108)	7110 (2075)	6974 (2035)	7065 (2062)	6963 (2032)
45	6974 (2035)	6884 (2009)	6814 (1988)	6826 (1992)	6727 (1963)
50	6677 (1948)	6571 (1918)	6590 (1923)	6602 (1927)	6753 (1971)
55	6327 (1846)	6166 (1799)	6235 (1819)	6678 (1949)	6770 (1976)
60	5873 (1714)	5813 (1696)	6146 (1794)	6641 (1938)	6789 (1981)
65	5381 (1570)	5454 (1592)	6065 (1770)	6506 (1899)	6389 (1864)
70	4822 (1407)	4962 (1448)	5820 (1698)	6147 (1794)	6287 (1834)
75	4063 (1186)	4500 (1313)	5472 (1597)	6091 (1777)	6418 (1873)
80	3081 (899)	3785 (1104)	5437 (1587)	6187 (1805)	6368 (1858)
85	1560 (455)	3364 (981)	5139 (1499)	6042 (1763)	6385 (1863)

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	.97	.97	.97	.97	.95	.95	.95	.95	.90	.90	.90	.87	.87	.87	.83	.83	.83	.81			
1	.89	.85	.81	.78	.86	.83	.80	.77	.79	.77	.74	.76	.74	.72	.73	.71	.70	.68			
2	.81	.74	.69	.64	.79	.73	.67	.63	.70	.65	.62	.67	.64	.60	.65	.62	.59	.57			
3	.74	.65	.59	.54	.72	.64	.58	.53	.62	.57	.52	.60	.55	.51	.58	.54	.51	.49			
4	.68	.58	.51	.46	.66	.57	.51	.45	.55	.49	.45	.53	.48	.44	.51	.47	.44	.42			
5	.62	.52	.44	.39	.60	.51	.44	.39	.49	.43	.38	.47	.42	.38	.46	.41	.37	.36			
6	.57	.46	.39	.34	.55	.45	.38	.33	.44	.38	.33	.42	.37	.33	.41	.36	.32	.31			
7	.52	.41	.34	.29	.51	.41	.34	.29	.39	.33	.29	.38	.33	.29	.37	.32	.28	.27			
8	.48	.37	.30	.25	.47	.36	.30	.25	.35	.29	.25	.34	.29	.25	.33	.28	.25	.23			
9	.45	.34	.27	.22	.43	.33	.26	.22	.32	.26	.22	.31	.25	.22	.30	.25	.21	.20			
10	.41	.30	.24	.19	.40	.30	.24	.19	.29	.23	.19	.28	.23	.19	.28	.23	.19	.17			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 220.0
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.