

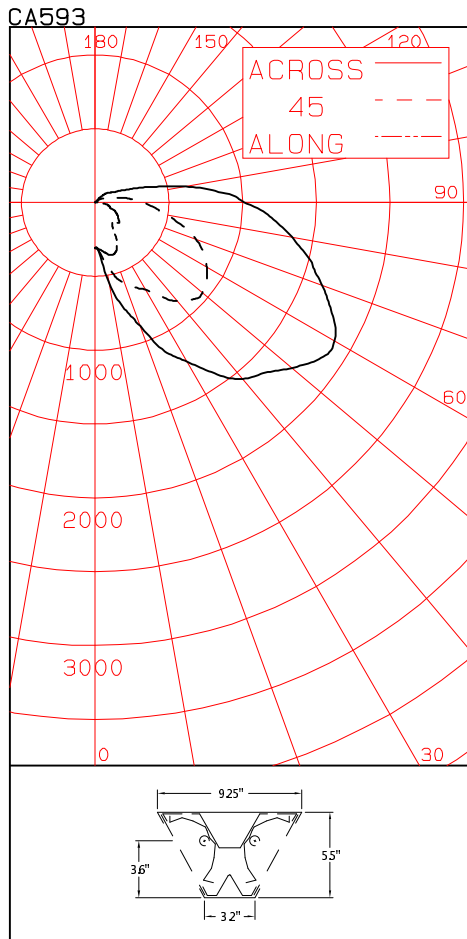


LIGHTING SCIENCES CANADA LTD.

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 A593
 COMPUTED BY LSC PROGRAM **TEST-LITE**

CUSTOM LIGHTING T5 2L SURFACE MOUNT FIXTURE CAT. NO. CL-PARKADE(4 FT.)
 WITH SPECULAR REFLECTORS AND PATTERNED PRISMATIC LENSES
 TWO 54W T5 HO FLUORESCENT LAMPS. LUMEN RATING = 4400 LMS.
 ONE ADVANCE CENTIUM 120-277V 1 OR 2-LAMP ELECTRONIC BALLAST NO. ICN-2S54



CANDLEPOWER SUMMARY OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	309	309	309	309	309	
5	319	316	337	356	360	36
15	365	395	517	677	734	153
25	346	443	630	976	1111	321
35	208	418	772	1273	1412	516
45	194	354	929	1485	1631	711
55	192	252	924	1608	1851	850
65	151	196	811	1571	1774	872
75	101	165	614	1272	1513	755
85	23	171	403	958	1202	579
90	0	145	319	721	1009	
95	0	109	254	549	841	365
105	0	55	128	307	409	190
115	0	4	68	185	195	91
125	0	0	40	101	114	46
135	0	0	3	65	63	19
145	0	0	0	3	5	2
155	0	0	0	0	0	0
165	0	0	0	0	0	0
175	0	0	0	0	0	0
180	0	0	0	0	0	

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	510	5.80	9.26
0-40	1026	11.66	18.63
0-60	2588	29.41	46.99
0-90	4794	54.48	87.05
40-90	3768	42.82	68.42
60-90	2206	25.07	40.06
90-180	712	8.10	12.95
0-180	5507	62.58	100.00

** EFFICIENCY = 62.6% **

LUMINANCE SUMMARY-CD. / SQ. M.

ANGLE	ALONG	45	ACROSS
45	1060	5094	8905
55	1288	6246	12468
65	1376	7436	14720
75	1504	7482	14872
85	1008	6630	14744

S/MH = 4.1
 SC(ALONG) = 1.3, SC(ACROSS) = 4.1

CERTIFIED BY:
Charles Sisson DATE: FEB 23, 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

ANGLE	PLANE						OUTPUT LUMENS
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	
0	309	309	309	309	309	309	
5	319	316	337	356	360	337	36
10	340	354	424	506	563	434	
15	365	395	517	677	734	534	153
20	370	440	577	805	891	613	
25	346	443	630	976	1111	694	321
30	289	439	678	1133	1244	754	
35	208	418	772	1273	1412	818	516
40	179	397	869	1398	1560	883	
45	194	354	929	1485	1631	920	711
50	212	305	949	1536	1743	942	
55	192	252	924	1608	1851	951	850
60	175	215	874	1650	1876	941	
65	151	196	811	1571	1774	885	872
70	111	184	728	1428	1640	804	
75	101	165	614	1272	1513	715	755
80	82	160	504	1134	1356	629	
85	23	171	403	958	1202	536	579
90	0	145	319	721	1009	422	
95	0	109	254	549	841	333	365
100	0	77	185	404	623	244	
105	0	55	128	307	409	174	190
110	0	34	95	240	278	127	
115	0	4	68	185	195	89	91
120	0	0	57	138	138	66	
125	0	0	40	101	114	50	46
130	0	0	20	80	100	37	
135	0	0	3	65	63	25	19
140	0	0	0	28	37	12	
145	0	0	0	3	5	1	2
150	0	0	0	0	0	0	
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	
175	0	0	0	0	0	0	0
180	0	0	0	0	0	0	

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AVERAGE LUMINANCE DATA

ANGLE	ALONG	CD. / SQ. M. (FOOTLAMBERTS)			ACROSS
		22.5	45	67.5	
0	1187(346)	1187(346)	1187(346)	1187(346)	1187(346)
30	1285(375)	1959(571)	3029(884)	5060(1477)	5530(1614)
40	896(261)	2002(584)	4375(1276)	7060(2060)	7834(2286)
45	1060(309)	1936(565)	5094(1486)	8115(2368)	8905(2599)
50	1270(370)	1838(536)	5681(1658)	9254(2701)	10429(3043)
55	1288(376)	1696(495)	6246(1823)	10841(3164)	12468(3639)
60	1342(391)	1663(485)	6737(1966)	12780(3730)	14446(4216)
65	1376(401)	1792(523)	7436(2170)	13537(3951)	14720(4296)
70	1242(362)	2086(608)	7835(2286)	13485(3936)	14764(4309)
75	1504(439)	2475(722)	7482(2183)	13229(3861)	14872(4340)
80	1817(530)	3226(941)	7062(2061)	13096(3822)	14683(4285)
85	1008(294)	4482(1308)	6630(1935)	12612(3681)	14744(4303)

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	.73	.73	.73	.73	.70	.70	.70	.70	.65	.65	.65	.61	.61	.61	.56	.56	.56	.54			
1	.63	.59	.56	.52	.61	.57	.54	.50	.53	.50	.47	.49	.47	.44	.45	.43	.42	.40			
2	.56	.49	.44	.39	.54	.47	.42	.38	.44	.40	.36	.40	.37	.34	.37	.35	.32	.30			
3	.50	.42	.36	.31	.48	.41	.35	.30	.37	.33	.29	.34	.31	.27	.32	.28	.26	.24			
4	.45	.36	.30	.25	.43	.35	.29	.24	.32	.27	.23	.30	.25	.22	.27	.24	.21	.19			
5	.41	.31	.25	.20	.39	.30	.24	.19	.28	.22	.18	.26	.21	.17	.24	.20	.16	.15			
6	.37	.27	.21	.16	.35	.26	.20	.16	.24	.19	.15	.22	.18	.14	.21	.17	.13	.12			
7	.34	.24	.18	.14	.32	.23	.17	.13	.22	.16	.13	.20	.15	.12	.18	.14	.11	.10			
8	.31	.21	.16	.11	.29	.21	.15	.11	.19	.14	.10	.18	.13	.10	.16	.12	.09	.08			
9	.28	.19	.13	.09	.27	.18	.13	.09	.17	.12	.09	.16	.11	.08	.14	.11	.08	.06			
10	.26	.17	.12	.08	.25	.17	.11	.08	.15	.11	.07	.14	.10	.07	.13	.09	.06	.05			

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
 LUMINAIRE INPUT WATTS = 110.7
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.