

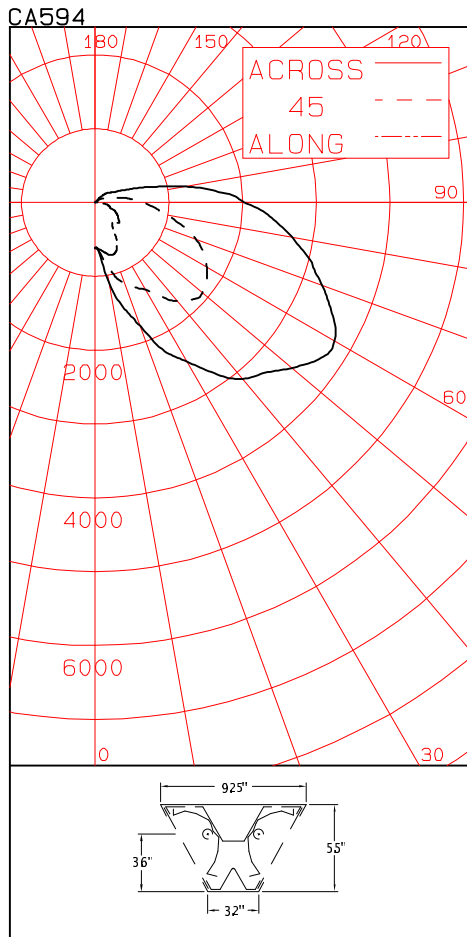


LIGHTING SCIENCES CANADA LTD.

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 A594
 COMPUTED BY LSC PROGRAM **TEST-LITE**

CUSTOM LIGHTING T5 4L SURFACE MOUNT FIXTURE CAT. NO. CL-PARKADE(8 FT.)
 WITH SPECULAR REFLECTORS AND PATTERNED PRISMATIC LENSES
 FOUR 54W T5 HO FLUORESCENT LAMPS. LUMEN RATING = 4400 LMS.
 ADVANCE CENTIUM 120-277V 3 OR 4-LAMP ELECTRONIC BALLAST NO. ICN-4S54-90C-2LS-G



CANDLEPOWER SUMMARY

OUTPUT LUMENS

ANGLE	ALONG	22.5	45	67.5	ACROSS	
0	617	617	617	617	617	
5	638	631	674	712	720	72
15	729	790	1033	1354	1467	306
25	693	887	1259	1952	2222	642
35	415	837	1543	2546	2825	1032
45	389	709	1858	2971	3261	1423
55	383	503	1849	3217	3703	1701
65	301	392	1622	3141	3547	1744
75	202	331	1228	2545	3025	1510
85	46	341	807	1915	2405	1159
90	0	291	638	1442	2018	
95	0	217	509	1099	1682	730
105	0	109	256	614	818	379
115	0	9	136	370	390	182
125	0	0	80	203	229	92
135	0	0	6	129	125	38
145	0	0	0	5	9	4
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	0

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1020	5.80	9.26
0-40	2052	11.66	18.63
0-60	5176	29.41	46.99
0-90	9588	54.48	87.05
40-90	7536	42.82	68.42
60-90	4412	25.07	40.06
90-180	1425	8.10	12.95
0-180	11014	62.58	100.00

** EFFICIENCY = 62.6% **

LUMINANCE SUMMARY-CD. / SQ. M.

S/MH = 4.1

SC(ALONG) = 1.3, SC(ACROSS) = 4.1

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

CERTIFIED BY:

Charles Sisson

DATE:

FEB 24, 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	617	617	617	617	617	617	
5	638	631	674	712	720	674	72
10	680	707	849	1013	1126	868	
15	729	790	1033	1354	1467	1069	306
20	741	879	1154	1609	1782	1226	
25	693	887	1259	1952	2222	1389	642
30	579	878	1357	2266	2488	1508	
35	415	837	1543	2546	2825	1636	1032
40	357	793	1738	2796	3120	1767	
45	389	709	1858	2971	3261	1841	1423
50	425	610	1898	3073	3486	1884	
55	383	503	1849	3217	3703	1903	1701
60	349	430	1748	3300	3752	1882	
65	301	392	1622	3141	3547	1770	1744
70	221	369	1456	2857	3281	1608	
75	202	331	1228	2545	3025	1429	1510
80	164	321	1008	2268	2711	1258	
85	46	341	807	1915	2405	1072	1159
90	0	291	638	1442	2018	845	
95	0	217	509	1099	1682	666	730
100	0	153	370	807	1246	488	
105	0	109	256	614	818	347	379
110	0	68	191	480	556	254	
115	0	9	136	370	390	178	182
120	0	0	113	275	276	132	
125	0	0	80	203	229	99	92
130	0	0	39	161	200	75	
135	0	0	6	129	125	50	38
140	0	0	0	56	74	23	
145	0	0	0	5	9	2	4
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)	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 = 212.5
 LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
 BALLAST FACTORS HAVE NOT BEEN APPLIED.