LIGHTING SCIENCES CANADA LTD.

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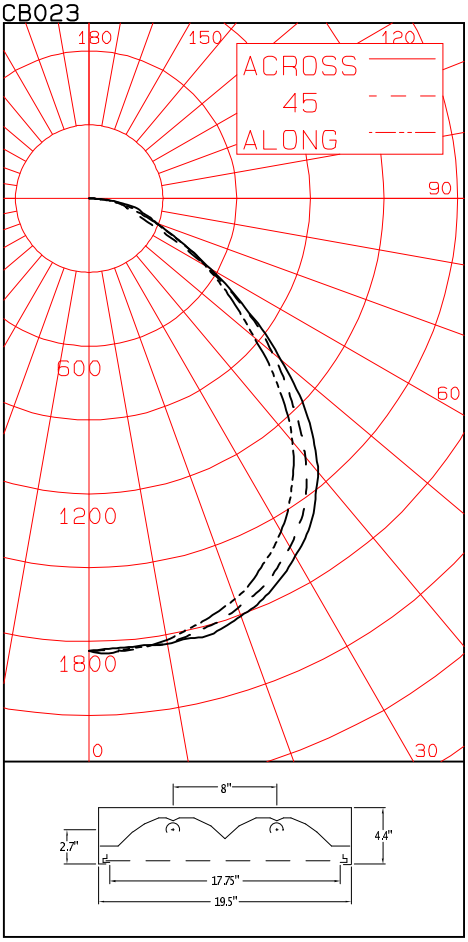
CERTIFIED TEST REPORT NO. LSC B023
COMPUTED BY LSC PROGRAM **TEST-LITE**

CUSTOM LIGHTING 20"x60" FLUORESCENT LUMINAIRE CAT. NO. CL9RPS-242
WITH WHITE PAINTED REFLECTOR AND PRISMATIC LENS
TWO F32T8/TL841 32W T8 FLUORESCENT LAMPS. LUMEN RATING = 2950 LMS.
ONE ADVANCE 120V 1 OR 2-LAMP ELECTRONIC BALLAST NO. REL-2P32-SC

CB023



CANDLEPOWER SUMMARY

ANGLE	ALONG	22.5	45	67.5	ACROSS	OUTPUT LUMENS
0	1839	1839	1839	1839	1839	
5	1836	1842	1843	1832	1830	178
10	1822	1828	1836	1840	1839	
15	1780	1798	1809	1822	1842	510
20	1733	1750	1770	1796	1805	
25	1654	1680	1719	1743	1755	787
30	1562	1599	1636	1664	1678	
35	1437	1474	1529	1565	1584	944
40	1288	1323	1368	1414	1449	
45	1093	1122	1166	1214	1259	898
50	876	911	971	1001	1020	
55	702	728	765	788	775	676
60	546	544	547	571	570	
65	401	375	348	386	403	385
70	284	264	219	270	290	
75	202	180	163	209	226	205
80	141	125	130	137	175	
85	71	69	62	85	83	73
90	0	0	0	0	0	

ZONAL LUMENS AND PERCENTAGES

ZONE	LUMENS	% LAMP	%LUMINAIRE
0-30	1475	25.00	31.69
0-40	2419	41.01	51.97
0-60	3993	67.68	85.77
0-90	4655	78.91	100.00
40-90	2236	37.90	48.03
60-90	662	11.23	14.23
90-180	0	.00	.00
0-180	4655	78.91	100.00

** EFFICIENCY = 78.9% **

LUMINANCE SUMMARY-CD. / SQ. M.

PAINT REFLECTANCE = .89 S/MH = 1.3
SC = 1.3

ANGLE	ALONG	45	ACROSS
45	2878	3082	3327
55	2277	2494	2525
65	1768	1537	1784
75	1453	1173	1634
85	1510	1320	1785

CERTIFIED BY:
Charles Lasion
DATE:
JAN 11, 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
	ALONG	22.5	45	67.5	ACROSS	AVERAGE	LUMENS
.0	1839	1839	1839	1839	1839	1839	
2.5	1850	1844	1837	1831	1831	1838	
5.0	1836	1842	1843	1832	1830	1838	178
7.5	1833	1835	1834	1830	1830	1833	
10.0	1822	1828	1836	1840	1839	1834	
12.5	1799	1819	1823	1828	1832	1821	
15.0	1780	1798	1809	1822	1842	1810	510
17.5	1757	1771	1795	1814	1826	1793	
20.0	1733	1750	1770	1796	1805	1772	
22.5	1701	1713	1747	1775	1786	1745	
25.0	1654	1680	1719	1743	1755	1712	787
27.5	1612	1638	1676	1708	1721	1672	
30.0	1562	1599	1636	1664	1678	1630	
32.5	1505	1537	1584	1617	1637	1577	
35.0	1437	1474	1529	1565	1584	1519	944
37.5	1368	1399	1453	1495	1515	1447	
40.0	1288	1323	1368	1414	1449	1368	
42.5	1198	1223	1273	1316	1357	1273	
45.0	1093	1122	1166	1214	1259	1170	898
47.5	991	1012	1072	1112	1146	1066	
50.0	876	911	971	1001	1020	958	
52.5	786	822	879	901	905	862	
55.0	702	728	765	788	775	755	676
57.5	626	645	659	688	675	660	
60.0	546	544	547	571	570	555	
62.5	479	460	441	478	480	465	
65.0	401	375	348	386	403	378	385
67.5	338	307	274	326	343	312	
70.0	284	264	219	270	290	260	
72.5	237	211	184	231	261	219	
75.0	202	180	163	209	226	192	205
77.5	176	157	151	169	209	167	
80.0	141	125	130	137	175	138	
82.5	108	91	99	109	128	104	
85.0	71	69	62	85	83	73	73
87.5	21	20	18	28	27	22	
90.0	0	0	0	0	0	0	

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AVERAGE LUMINANCE DATA

CD. / SQ. M. (FOOTLAMBERTS)

ANGLE	ALONG	22.5	45	67.5	ACROSS
0	3424(999)	3424(999)	3424(999)	3424(999)	3424(999)
30	3358(980)	3447(1006)	3526(1029)	3585(1046)	3607(1052)
40	3130(913)	3223(940)	3328(971)	3445(1005)	3522(1028)
45	2878(840)	2959(863)	3082(899)	3204(935)	3327(971)
50	2537(740)	2649(773)	2813(821)	2907(848)	2954(862)
55	2277(664)	2367(691)	2494(727)	2567(749)	2525(737)
60	2035(593)	2031(592)	2039(595)	2130(621)	2120(619)
65	1768(516)	1654(482)	1537(448)	1705(497)	1784(520)
70	1544(450)	1440(420)	1197(349)	1472(429)	1579(461)
75	1453(424)	1297(378)	1173(342)	1510(440)	1634(476)
80	1516(442)	1343(392)	1404(409)	1470(429)	1876(547)
85	1510(440)	1477(431)	1320(385)	1817(530)	1785(521)

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	.94	.94	.94	.94	.92	.92	.92	.92	.88	.88	.88	.84	.84	.84	.81	.81	.81	.79
1	.87	.84	.81	.78	.85	.82	.80	.77	.79	.77	.75	.76	.74	.72	.73	.72	.70	.69
2	.80	.75	.70	.66	.79	.73	.69	.66	.71	.67	.64	.68	.65	.63	.66	.63	.61	.60
3	.74	.67	.61	.57	.72	.66	.61	.57	.64	.59	.56	.62	.58	.55	.60	.56	.54	.52
4	.69	.60	.54	.49	.67	.59	.54	.49	.57	.52	.48	.55	.51	.48	.54	.50	.47	.46
5	.63	.54	.47	.42	.61	.53	.47	.42	.51	.46	.42	.50	.45	.41	.48	.44	.41	.39
6	.58	.48	.42	.37	.57	.48	.41	.37	.46	.41	.37	.45	.40	.36	.44	.39	.36	.35
7	.54	.44	.37	.33	.53	.43	.37	.32	.42	.36	.32	.41	.36	.32	.40	.35	.32	.30
8	.50	.39	.33	.28	.48	.39	.33	.28	.38	.32	.28	.37	.32	.28	.36	.31	.28	.26
9	.46	.35	.29	.25	.45	.35	.29	.25	.34	.28	.24	.33	.28	.24	.32	.28	.24	.23
10	.42	.32	.26	.22	.41	.32	.26	.22	.31	.25	.22	.30	.25	.21	.30	.25	.21	.20

DETERMINED IN ACCORDANCE WITH CURRENT IES PUBLISHED PROCEDURES
LUMINAIRE INPUT WATTS = 60.7
LABORATORY RESULT MAY NOT BE REPRESENTATIVE OF FIELD PERFORMANCE.
BALLAST FACTORS HAVE NOT BEEN APPLIED.