

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P684560

Luminaire Tested: **LX6C75D010 EX6C759027 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684560
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C75D010 EX6C759027 6LBLWWH
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

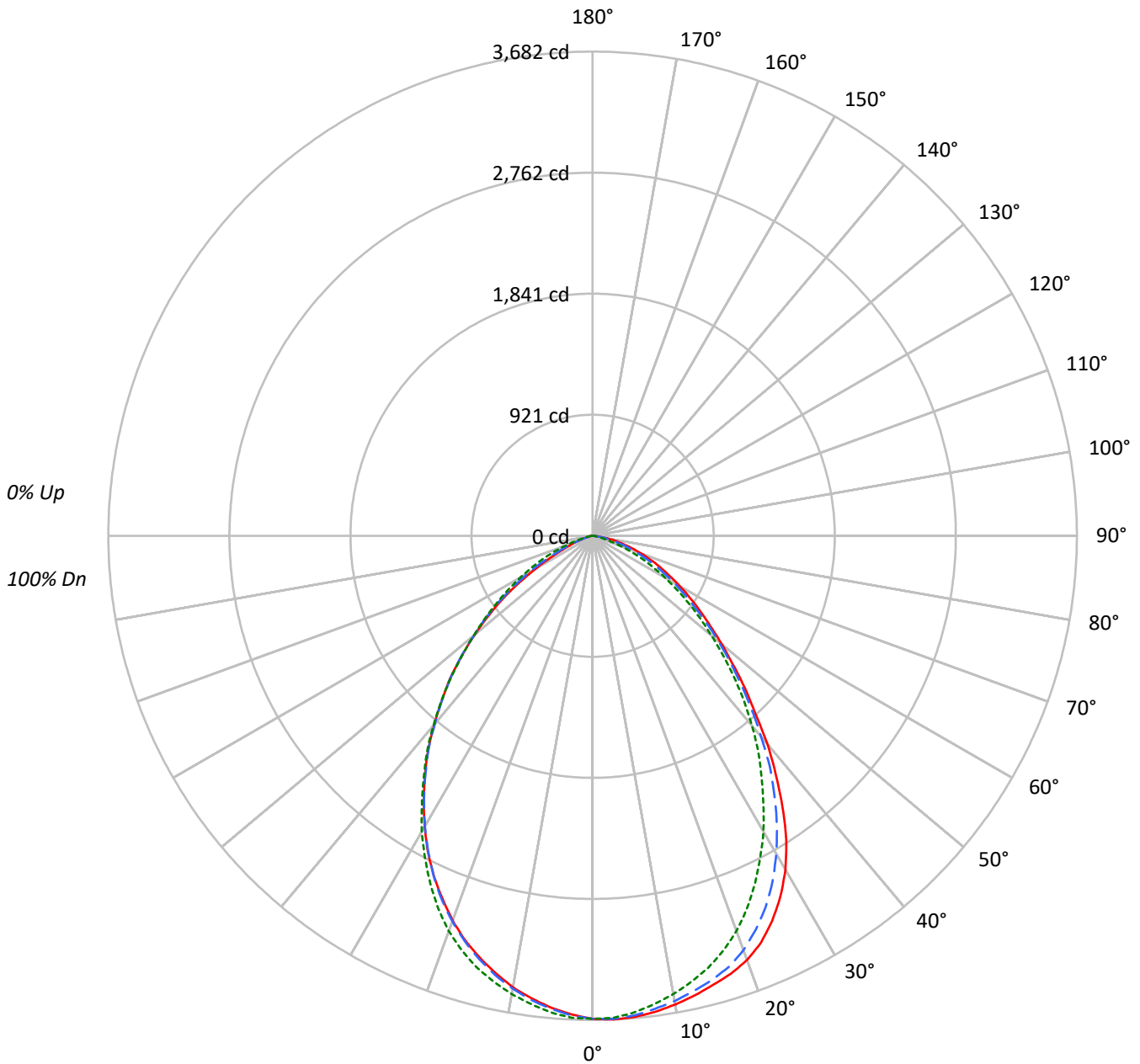
Lumens per Lamp: N/A
Luminaire Lumens: 6682.0 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
Input Voltage (V):
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68																			
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60																			
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54																			
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48																			
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43																			
8	67	55	47	42	65	54	47	42	53	46	42	52	46	41	51	45	41	39																			
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	201382	201382	201382
5°	202085	200247	198277
10°	201466	196996	194112
15°	200705	192930	188446
20°	200258	186572	181602
25°	195386	176569	172679
30°	185636	164456	161721
35°	168492	149734	148743
40°	147834	134760	134051
45°	126750	117749	118702
50°	109097	100363	99835
55°	95356	84738	79548
60°	83798	69446	54294
65°	73354	53819	32675
70°	62543	36224	19202
75°	50474	18830	10463
80°	35074	7419	5840
85°	13964	2327	3082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.2	5.2
10°-20°	961.2	14.4
20°-30°	1367.8	20.5
30°-40°	1439.6	21.5
40°-50°	1199.8	18.0
50°-60°	810.6	12.1
60°-70°	411.0	6.2
70°-80°	132.7	2.0
80°-90°	15.2	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2673.2	40.0
0°-40°	4112.8	61.6
0°-60°	6123.1	91.6
0°-90°	6682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6682.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3674	3674	3674	3674	3674	
5°	3672	3661	3639	3612	3603	349
15°	3536	3498	3399	3332	3320	999
25°	3230	3113	2919	2858	2855	1480
35°	2518	2409	2237	2215	2223	1567
45°	1635	1593	1519	1525	1531	1265
55°	998	950	887	859	832	898
65°	566	510	415	300	252	563
75°	238	186	89	48	49	257
85°	22	12	4	5	5	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5
2.5°	3682.2	3682.2	3682.2	3682.2	3682.2	3682.2	3680.9	3680.9	3678.5	3678.5	3677.2
5°	3672.3	3673.5	3673.5	3672.3	3672.3	3669.8	3669.8	3668.6	3664.9	3662.4	3661.2
7.5°	3651.3	3651.3	3650.1	3648.8	3647.6	3643.9	3642.6	3638.9	3636.5	3634.0	3629.1
10°	3619.2	3619.2	3617.9	3615.5	3614.2	3611.8	3611.8	3606.8	3601.9	3595.7	3592.0
12.5°	3580.9	3582.1	3579.7	3578.4	3574.7	3573.5	3571.0	3564.9	3561.1	3553.7	3547.6
15°	3536.4	3538.9	3538.9	3534.0	3530.3	3529.0	3525.3	3521.6	3513.0	3505.6	3498.2
17.5°	3493.2	3495.7	3493.2	3489.5	3485.8	3480.9	3478.4	3471.0	3459.9	3450.0	3438.9
20°	3432.7	3436.4	3431.5	3425.3	3417.9	3416.7	3413.0	3400.6	3384.6	3369.8	3353.7
22.5°	3347.5	3345.1	3341.4	3338.9	3326.5	3319.1	3314.2	3298.1	3280.8	3261.1	3241.3
25°	3230.2	3235.2	3227.8	3216.6	3210.5	3203.1	3190.7	3173.4	3157.4	3136.4	3112.9
27.5°	3091.9	3091.9	3082.0	3078.3	3064.8	3054.9	3048.7	3031.4	3010.4	2989.4	2963.5
30°	2932.6	2925.2	2925.2	2907.9	2896.8	2893.1	2886.9	2858.5	2840.0	2817.8	2791.9
32.5°	2740.0	2738.8	2733.8	2722.7	2707.9	2695.6	2695.6	2675.8	2651.1	2623.9	2607.9
35°	2517.7	2519.0	2516.5	2504.2	2504.2	2489.3	2486.9	2469.6	2449.8	2428.8	2409.1
37.5°	2288.1	2293.0	2288.1	2281.9	2278.2	2277.0	2265.8	2253.5	2238.7	2226.3	2211.5
40°	2065.8	2058.4	2060.9	2048.5	2049.8	2047.3	2042.3	2026.3	2017.7	2005.3	1989.3
42.5°	1826.3	1833.7	1836.1	1828.7	1826.3	1821.3	1826.3	1820.1	1810.2	1804.0	1789.2
45°	1634.9	1627.5	1631.2	1628.7	1629.9	1620.0	1616.3	1613.9	1610.2	1599.1	1592.9
47.5°	1444.7	1445.9	1444.7	1439.8	1437.3	1437.3	1432.4	1425.0	1425.0	1417.5	1412.6
50°	1279.2	1279.2	1281.7	1275.5	1273.1	1268.1	1269.4	1262.0	1257.0	1250.8	1247.1
52.5°	1127.4	1128.6	1123.7	1124.9	1122.4	1122.4	1117.5	1112.5	1107.6	1096.5	1094.0
55°	997.7	998.9	992.8	995.2	987.8	984.1	981.7	974.3	974.3	963.1	949.6
57.5°	876.7	875.5	874.2	870.5	865.6	861.9	858.2	849.5	845.8	838.4	827.3
60°	764.3	763.1	760.6	759.4	755.7	747.1	747.1	740.9	728.5	721.1	710.0
62.5°	658.1	658.1	656.9	653.2	649.5	645.8	643.3	638.4	626.0	617.4	607.5
65°	565.5	564.3	560.6	554.4	552.0	552.0	543.3	539.6	529.7	521.1	510.0
67.5°	476.6	471.7	469.2	470.5	463.0	463.0	455.6	449.5	440.8	426.0	417.4
70°	390.2	387.7	385.3	382.8	381.6	376.6	372.9	365.5	356.9	345.7	332.2
72.5°	312.4	312.4	308.7	306.2	302.5	297.6	295.1	288.9	279.1	266.7	256.8
75°	238.3	238.3	238.3	233.4	230.9	228.4	221.0	217.3	206.2	198.8	186.5
77.5°	175.3	172.9	169.2	167.9	165.5	163.0	159.3	153.1	143.2	134.6	127.2
80°	111.1	114.8	111.1	111.1	105.0	102.5	101.3	93.8	90.1	82.7	76.6
82.5°	61.7	63.0	60.5	59.3	55.6	54.3	54.3	49.4	46.9	42.0	38.3
85°	22.2	23.5	22.2	22.2	19.8	21.0	19.8	18.5	16.1	13.6	12.3
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5
2.5°	3677.2	3674.7	3674.7	3673.5	3672.3	3672.3	3672.3	3671.0	3668.6	3668.6	3667.3
5°	3658.7	3656.2	3652.5	3650.1	3648.8	3647.6	3646.3	3645.1	3640.2	3638.9	3635.2
7.5°	3625.4	3622.9	3616.7	3614.2	3610.5	3609.3	3604.4	3601.9	3597.0	3592.0	3589.5
10°	3585.8	3579.7	3574.7	3568.6	3566.1	3562.4	3556.2	3548.8	3545.1	3538.9	3534.0
12.5°	3541.4	3534.0	3524.1	3516.7	3514.2	3508.0	3498.2	3492.0	3483.4	3473.5	3464.8
15°	3485.8	3477.2	3468.5	3455.0	3451.2	3443.8	3434.0	3421.6	3409.3	3399.4	3389.5
17.5°	3425.3	3411.7	3398.2	3383.3	3372.2	3368.5	3352.5	3335.2	3324.1	3306.8	3295.7
20°	3340.1	3321.6	3299.4	3284.6	3274.7	3263.6	3245.0	3226.5	3212.9	3198.1	3182.1
22.5°	3222.8	3205.5	3179.6	3157.4	3150.0	3133.9	3117.9	3100.6	3083.3	3067.2	3047.5
25°	3084.5	3066.0	3040.1	3017.8	3005.5	2998.1	2967.2	2949.9	2932.6	2919.1	2905.5
27.5°	2942.5	2909.2	2891.9	2857.3	2846.2	2843.7	2815.3	2796.8	2778.3	2759.8	2742.5
30°	2767.2	2741.2	2715.3	2690.6	2675.8	2667.2	2646.2	2622.7	2610.4	2598.0	2580.7
32.5°	2585.7	2562.2	2530.1	2506.6	2495.5	2483.2	2464.6	2448.6	2430.1	2416.5	2412.8
35°	2391.8	2365.9	2338.7	2321.4	2318.9	2304.1	2285.6	2272.0	2258.4	2237.4	2233.7
37.5°	2184.4	2169.5	2151.0	2126.3	2115.2	2115.2	2096.7	2086.8	2069.5	2068.3	2058.4
40°	1980.6	1974.4	1946.0	1938.6	1936.2	1918.9	1913.9	1896.6	1884.3	1883.1	1868.2
42.5°	1779.3	1763.3	1758.3	1746.0	1734.9	1732.4	1721.3	1713.9	1709.0	1701.5	1694.1
45°	1579.3	1575.6	1563.2	1554.6	1550.9	1546.0	1542.3	1527.4	1525.0	1518.8	1515.1
47.5°	1406.4	1396.6	1385.4	1375.6	1374.3	1366.9	1358.3	1358.3	1344.7	1343.5	1341.0
50°	1234.8	1227.4	1221.2	1207.6	1210.1	1200.2	1199.0	1187.9	1181.7	1176.8	1182.9
52.5°	1084.1	1069.3	1066.9	1055.7	1052.0	1053.3	1039.7	1036.0	1033.5	1028.6	1026.1
55°	940.9	933.5	923.6	916.2	910.0	903.9	898.9	898.9	885.3	886.6	880.4
57.5°	815.0	808.8	796.4	785.3	782.9	775.5	769.3	763.1	761.9	753.2	747.1
60°	702.6	691.5	675.4	670.5	663.1	656.9	650.7	643.3	639.6	633.4	622.3
62.5°	597.6	579.1	572.9	563.1	554.4	550.7	540.8	532.2	526.0	517.4	508.7
65°	497.6	484.0	472.9	461.8	460.6	450.7	442.1	434.6	422.3	414.9	398.8
67.5°	406.2	393.9	381.6	370.4	361.8	359.3	345.7	337.1	328.5	313.6	300.1
70°	322.3	309.9	300.1	286.5	282.8	272.9	263.0	254.4	239.6	226.0	214.9
72.5°	245.7	232.1	221.0	211.1	205.0	196.3	186.5	176.6	161.8	148.2	138.3
75°	175.3	165.5	154.3	144.5	139.5	134.6	123.5	112.4	102.5	88.9	80.3
77.5°	118.5	108.7	98.8	90.1	84.0	80.3	72.9	64.2	55.6	48.2	42.0
80°	69.1	63.0	55.6	48.2	46.9	43.2	37.0	32.1	27.2	23.5	18.5
82.5°	33.3	29.6	24.7	21.0	18.5	17.3	14.8	12.3	9.9	8.6	8.6
85°	9.9	8.6	7.4	6.2	4.9	4.9	3.7	3.7	3.7	3.7	3.7
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5
2.5°	3663.6	3662.4	3661.2	3659.9	3657.5	3657.5	3653.8	3651.3	3651.3	3648.8	3647.6
5°	3631.5	3627.8	3626.6	3624.1	3621.7	3620.4	3615.5	3614.2	3611.8	3609.3	3609.3
7.5°	3585.8	3580.9	3576.0	3573.5	3572.3	3568.6	3566.1	3564.9	3561.1	3558.7	3553.7
10°	3525.3	3521.6	3515.5	3513.0	3510.5	3508.0	3501.9	3498.2	3496.9	3494.5	3492.0
12.5°	3455.0	3450.0	3443.8	3438.9	3436.4	3432.7	3426.6	3422.8	3422.8	3417.9	3417.9
15°	3379.6	3372.2	3361.1	3356.2	3354.9	3347.5	3342.6	3337.6	3331.5	3329.0	3329.0
17.5°	3283.3	3271.0	3261.1	3261.1	3256.2	3248.7	3241.3	3237.6	3233.9	3229.0	3226.5
20°	3169.7	3161.1	3150.0	3150.0	3138.8	3136.4	3129.0	3127.7	3119.1	3120.3	3116.6
22.5°	3032.7	3027.7	3021.5	3016.6	3010.4	3003.0	2999.3	3000.5	2996.8	2995.6	2994.4
25°	2894.4	2880.8	2873.4	2870.9	2868.4	2862.3	2859.8	2858.5	2858.5	2854.8	2856.1
27.5°	2735.1	2725.2	2715.3	2719.0	2714.1	2710.4	2707.9	2704.2	2706.7	2705.4	2706.7
30°	2572.1	2559.7	2553.6	2556.0	2554.8	2544.9	2549.8	2548.6	2549.8	2549.8	2552.3
32.5°	2400.4	2391.8	2390.6	2391.8	2380.7	2381.9	2377.0	2384.4	2385.6	2393.0	2386.9
35°	2226.3	2221.4	2212.8	2211.5	2212.8	2211.5	2211.5	2216.5	2215.2	2222.6	2220.2
37.5°	2047.3	2044.8	2036.2	2038.6	2033.7	2042.3	2044.8	2042.3	2051.0	2048.5	2047.3
40°	1871.9	1868.2	1863.3	1873.2	1867.0	1862.1	1870.7	1863.3	1865.8	1873.2	1873.2
42.5°	1694.1	1688.0	1688.0	1688.0	1686.7	1686.7	1690.4	1694.1	1691.7	1692.9	1702.8
45°	1515.1	1513.9	1510.2	1512.6	1511.4	1517.6	1517.6	1520.0	1525.0	1529.9	1527.4
47.5°	1342.2	1339.8	1343.5	1341.0	1342.2	1338.5	1341.0	1348.4	1354.6	1345.9	1354.6
50°	1180.5	1175.5	1174.3	1178.0	1176.8	1175.5	1178.0	1178.0	1175.5	1175.5	1184.2
52.5°	1026.1	1021.2	1017.5	1023.6	1019.9	1021.2	1016.2	1016.2	1018.7	1016.2	1012.5
55°	881.6	877.9	873.0	875.5	869.3	868.1	863.1	863.1	859.4	856.9	849.5
57.5°	743.3	740.9	729.8	728.5	729.8	721.1	712.5	708.8	698.9	696.4	695.2
60°	621.1	607.5	601.3	593.9	589.0	585.3	575.4	569.2	554.4	545.8	544.5
62.5°	493.9	487.7	480.3	469.2	466.8	454.4	444.5	428.5	421.1	410.0	398.8
65°	391.4	375.4	364.3	358.1	348.2	337.1	326.0	308.7	300.1	286.5	275.4
67.5°	286.5	272.9	258.1	253.1	244.5	230.9	219.8	205.0	197.6	185.2	181.5
70°	196.3	184.0	172.9	165.5	159.3	145.7	134.6	129.7	122.2	119.8	119.8
72.5°	125.9	114.8	102.5	98.8	93.8	86.4	79.0	76.6	79.0	77.8	77.8
75°	70.4	64.2	55.6	51.9	51.9	49.4	48.2	48.2	48.2	48.2	48.2
77.5°	35.8	32.1	29.6	28.4	28.4	28.4	29.6	29.6	29.6	30.9	29.6
80°	17.3	16.1	16.1	16.1	17.3	17.3	17.3	17.3	17.3	18.5	17.3
82.5°	8.6	8.6	8.6	8.6	8.6	8.6	9.9	9.9	9.9	9.9	9.9
85°	3.7	3.7	3.7	3.7	4.9	4.9	4.9	4.9	4.9	4.9	4.9
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P684560

CATALOG NUMBER: LX6C75D010 EX6C759027 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5	3673.5
2.5°	3646.3	3643.9	3643.9	3642.6	3642.6	3642.6	3642.6	3643.9
5°	3606.8	3605.6	3605.6	3603.1	3603.1	3603.1	3603.1	3603.1
7.5°	3553.7	3551.3	3552.5	3550.0	3550.0	3551.3	3550.0	3548.8
10°	3488.3	3487.1	3488.3	3488.3	3485.8	3484.6	3485.8	3487.1
12.5°	3414.2	3413.0	3410.5	3411.7	3411.7	3410.5	3409.3	3406.8
15°	3327.8	3326.5	3325.3	3324.1	3322.8	3324.1	3322.8	3320.4
17.5°	3226.5	3226.5	3225.3	3224.0	3222.8	3220.3	3221.6	3225.3
20°	3117.9	3116.6	3114.2	3115.4	3110.4	3108.0	3109.2	3112.9
22.5°	2993.1	2989.4	2991.9	2988.2	2988.2	2989.4	2988.2	2985.7
25°	2857.3	2852.4	2854.8	2856.1	2856.1	2854.8	2853.6	2854.8
27.5°	2706.7	2710.4	2710.4	2707.9	2711.6	2706.7	2709.1	2710.4
30°	2552.3	2548.6	2547.4	2552.3	2559.7	2553.6	2553.6	2554.8
32.5°	2393.0	2388.1	2388.1	2390.6	2389.3	2389.3	2394.3	2388.1
35°	2222.6	2225.1	2215.2	2221.4	2223.9	2221.4	2222.6	2222.6
37.5°	2051.0	2048.5	2048.5	2048.5	2052.2	2052.2	2054.7	2053.5
40°	1881.8	1876.9	1875.7	1878.1	1873.2	1876.9	1876.9	1873.2
42.5°	1699.1	1700.3	1706.5	1700.3	1701.5	1700.3	1697.8	1696.6
45°	1529.9	1533.6	1531.1	1529.9	1531.1	1526.2	1527.4	1531.1
47.5°	1350.9	1358.3	1350.9	1355.8	1354.6	1352.1	1349.6	1344.7
50°	1182.9	1185.4	1184.2	1182.9	1181.7	1180.5	1174.3	1170.6
52.5°	1011.3	1011.3	1011.3	1011.3	998.9	1005.1	1002.7	995.2
55°	843.4	847.1	842.1	842.1	833.5	833.5	831.0	832.3
57.5°	681.6	677.9	674.2	674.2	665.6	661.8	658.1	653.2
60°	531.0	527.3	522.3	516.1	507.5	507.5	505.0	495.2
62.5°	389.0	382.8	379.1	374.1	366.7	361.8	358.1	360.6
65°	266.7	260.5	255.6	255.6	255.6	253.1	251.9	251.9
67.5°	175.3	179.0	176.6	179.0	179.0	176.6	175.3	177.8
70°	121.0	121.0	119.8	119.8	119.8	119.8	118.5	119.8
72.5°	77.8	77.8	77.8	79.0	77.8	77.8	79.0	79.0
75°	49.4	49.4	49.4	50.6	49.4	49.4	50.6	49.4
77.5°	29.6	30.9	30.9	30.9	30.9	29.6	30.9	30.9
80°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
82.5°	9.9	9.9	9.9	9.9	9.9	9.9	9.9	9.9
85°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)