

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: P684449

Luminaire Tested: **LX6C60D010 EX6C609027 6LCSWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252284)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C60D010 EX6C609027 6LCSWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

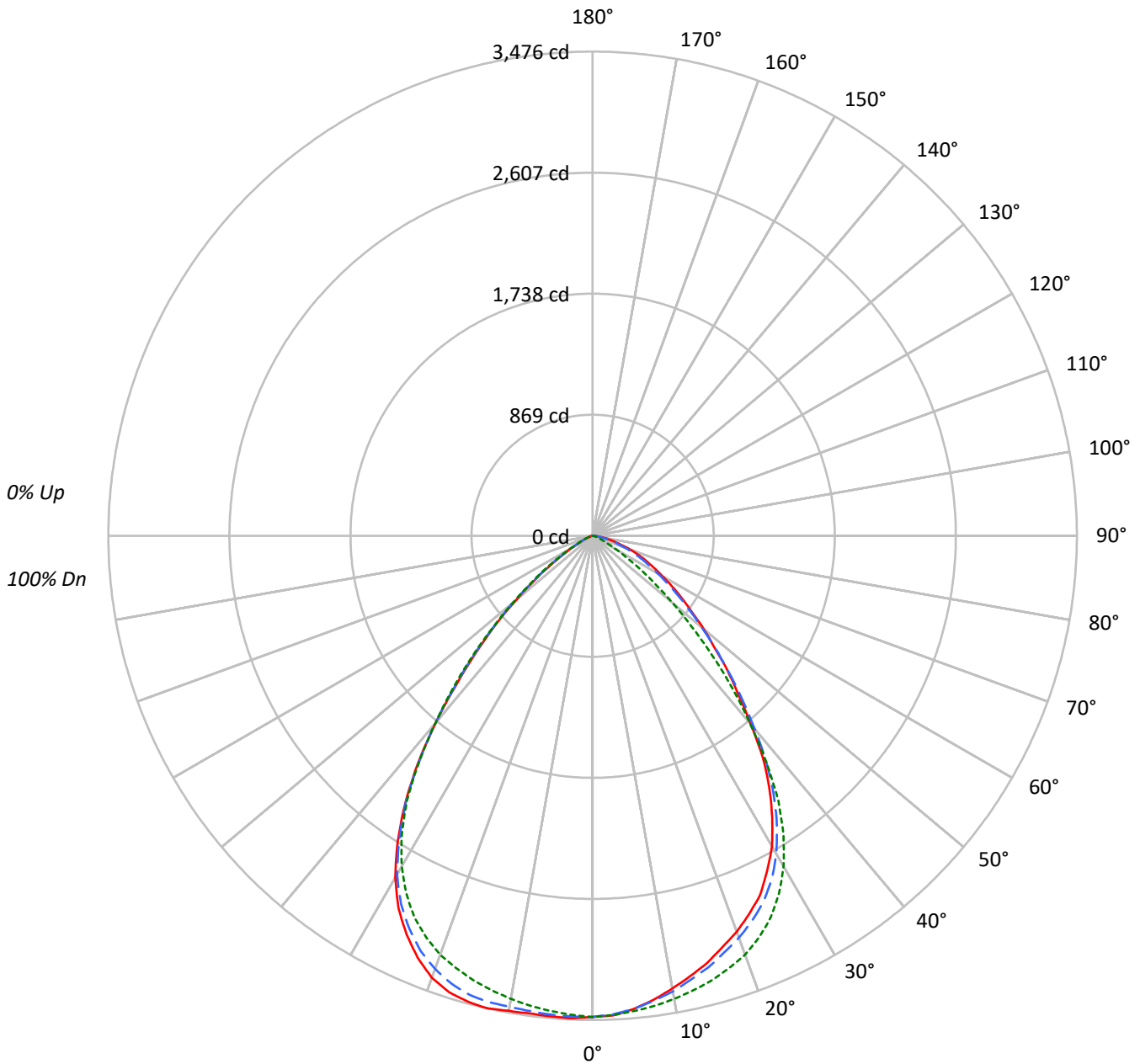
Lumens per Lamp: N/A
Luminaire Lumens: 5796.0 lumens
Efficiency: N/A
Efficacy: 80.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 72
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					20					
RC	80					70					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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90								
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80								
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72								
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	69	66	64								
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58								
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52								
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47								
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43								
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40								
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	189393	189393	189393
5°	187590	188504	190578
10°	183720	187895	192782
15°	180205	187544	196551
20°	176468	186695	196915
25°	172123	182968	191043
30°	162968	173520	179331
35°	147994	155529	156928
40°	126308	125700	125106
45°	106096	94126	91219
50°	88611	63699	60501
55°	74578	39081	35497
60°	63131	20590	17838
65°	54662	10831	8652
70°	45472	6684	4680
75°	33593	4427	2669
80°	26361	2620	1326
85°	21008	2642	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.6	5.6
10°-20°	932.3	16.1
20°-30°	1376.6	23.8
30°-40°	1418.7	24.5
40°-50°	979.9	16.9
50°-60°	483.0	8.3
60°-70°	195.7	3.4
70°-80°	69.8	1.2
80°-90°	14.4	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°	2634.5	45.5
0°-40°	4053.2	69.9
0°-60°	5516.1	95.2
0°-90°	5796.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5796.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3455	3455	3455	3455	3455	
5°	3409	3409	3426	3451	3463	322
15°	3175	3209	3304	3413	3463	894
25°	2846	2900	3025	3113	3158	1301
35°	2211	2266	2324	2337	2345	1370
45°	1368	1377	1214	1198	1177	1058
55°	780	751	409	384	371	705
65°	421	380	84	67	67	419
75°	159	134	21	13	13	178
85°	33	25	4	0	0	41
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°	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8
2.5°	3446.4	3434.0	3442.3	3425.5	3446.4	3425.5	3429.7	3434.0	3429.7	3434.0	3438.0
5°	3408.9	3396.3	3408.9	3388.0	3408.9	3396.3	3396.3	3400.5	3400.5	3404.6	3408.9
7.5°	3358.8	3346.3	3358.8	3337.9	3362.9	3350.5	3350.5	3358.8	3354.6	3358.8	3367.1
10°	3300.4	3283.7	3296.2	3283.7	3308.8	3292.0	3300.4	3300.4	3300.4	3312.8	3321.3
12.5°	3237.8	3221.1	3237.8	3217.0	3241.9	3229.5	3233.6	3246.2	3250.2	3258.7	3262.8
15°	3175.2	3154.4	3162.7	3150.1	3175.2	3162.7	3166.9	3183.6	3183.6	3196.1	3208.7
17.5°	3096.0	3079.2	3096.0	3079.2	3100.1	3091.8	3100.1	3112.6	3112.6	3125.2	3137.6
20°	3024.9	3008.3	3020.8	3008.3	3033.4	3020.8	3024.9	3041.7	3045.8	3058.3	3070.9
22.5°	2937.4	2924.8	2933.1	2920.7	2945.7	2937.4	2941.6	2958.2	2962.5	2970.8	2991.7
25°	2845.6	2820.5	2833.0	2824.7	2849.8	2837.3	2845.6	2862.2	2870.7	2883.1	2899.9
27.5°	2712.1	2699.5	2707.8	2707.8	2728.7	2716.3	2720.4	2737.2	2749.6	2762.1	2783.0
30°	2574.5	2553.6	2561.9	2566.0	2582.8	2574.5	2582.8	2599.4	2603.6	2620.3	2636.9
32.5°	2399.2	2390.7	2407.5	2399.2	2407.5	2407.5	2411.6	2424.1	2432.5	2440.9	2461.8
35°	2211.4	2194.8	2211.4	2203.1	2223.9	2211.4	2223.9	2236.5	2236.5	2253.1	2265.7
37.5°	2006.9	1986.1	1994.4	1994.4	2002.7	1998.6	1998.6	2019.5	2023.6	2036.1	2048.7
40°	1765.0	1756.5	1773.3	1769.1	1773.3	1773.3	1777.4	1789.9	1798.3	1802.5	1806.7
42.5°	1548.0	1552.1	1556.3	1556.3	1556.3	1556.3	1556.3	1572.9	1568.9	1581.4	1585.5
45°	1368.5	1351.9	1360.2	1356.1	1368.5	1356.1	1368.5	1381.1	1372.7	1385.3	1376.8
47.5°	1184.9	1184.9	1184.9	1180.8	1189.2	1184.9	1193.2	1197.5	1197.5	1197.5	1193.2
50°	1039.0	1026.5	1030.5	1030.5	1034.8	1030.5	1039.0	1043.1	1043.1	1034.8	1018.1
52.5°	897.0	892.9	892.9	901.2	901.2	897.0	897.0	897.0	897.0	884.6	876.1
55°	780.3	772.0	776.0	776.0	776.0	776.0	780.3	776.0	776.0	763.5	751.1
57.5°	675.9	667.6	667.6	667.6	671.7	667.6	667.6	667.6	663.4	650.8	634.2
60°	575.8	571.6	575.8	575.8	579.9	575.8	575.8	575.8	567.5	555.0	538.2
62.5°	492.4	492.4	492.4	496.4	496.4	492.4	492.4	488.1	484.0	467.3	450.6
65°	421.4	417.2	421.4	421.4	425.5	425.5	421.4	417.2	413.1	396.3	379.7
67.5°	350.5	346.3	350.5	350.5	354.6	350.5	350.5	350.5	338.0	329.7	312.9
70°	283.7	279.6	279.6	279.6	283.7	275.4	279.6	279.6	271.3	258.7	241.9
72.5°	217.0	217.0	217.0	217.0	217.0	217.0	212.8	212.8	204.4	191.9	183.6
75°	158.6	158.6	162.7	162.7	158.6	158.6	158.6	154.4	150.2	141.8	133.5
77.5°	116.9	116.9	116.9	116.9	112.7	112.7	112.7	108.4	104.3	100.1	91.8
80°	83.5	83.5	83.5	79.2	83.5	79.2	79.2	79.2	70.9	66.7	62.6
82.5°	58.4	54.3	54.3	54.3	54.3	54.3	54.3	50.1	50.1	46.0	41.7
85°	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	29.2	25.1	25.1
87.5°	16.6	20.9	20.9	20.9	20.9	20.9	20.9	16.6	16.6	16.6	12.6
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°	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8
2.5°	3438.0	3438.0	3446.4	3434.0	3454.8	3442.3	3438.0	3458.9	3446.4	3442.3	3450.6
5°	3408.9	3413.1	3417.2	3408.9	3429.7	3417.2	3417.2	3438.0	3429.7	3425.5	3438.0
7.5°	3371.4	3375.4	3383.8	3379.7	3396.3	3388.0	3392.2	3413.1	3404.6	3404.6	3417.2
10°	3325.4	3333.7	3342.2	3342.2	3362.9	3354.6	3354.6	3379.7	3371.4	3375.4	3392.2
12.5°	3271.1	3283.7	3296.2	3300.4	3321.3	3308.8	3312.8	3342.2	3337.9	3342.2	3358.8
15°	3212.7	3229.5	3241.9	3241.9	3267.0	3254.5	3267.0	3296.2	3287.9	3304.5	3325.4
17.5°	3146.1	3162.7	3179.3	3183.6	3208.7	3200.2	3217.0	3246.2	3246.2	3254.5	3279.6
20°	3083.4	3104.3	3112.6	3125.2	3150.1	3146.1	3154.4	3187.8	3187.8	3200.2	3225.3
22.5°	3000.0	3020.8	3037.5	3050.0	3070.9	3070.9	3083.4	3112.6	3112.6	3120.9	3146.1
25°	2908.2	2933.1	2945.7	2958.2	2979.1	2974.9	2987.4	3012.5	3016.6	3024.9	3050.0
27.5°	2791.3	2812.2	2829.0	2837.3	2866.5	2849.8	2862.2	2891.6	2887.3	2895.6	2916.5
30°	2645.4	2666.2	2682.9	2682.9	2707.8	2707.8	2720.4	2732.9	2732.9	2741.2	2758.0
32.5°	2474.2	2499.3	2499.3	2511.9	2528.5	2511.9	2528.5	2545.1	2536.8	2549.4	2561.9
35°	2278.1	2290.6	2294.9	2294.9	2307.4	2303.2	2298.9	2311.5	2303.2	2324.0	2336.6
37.5°	2040.4	2057.0	2048.7	2057.0	2052.8	2040.4	2040.4	2061.2	2044.4	2048.7	2061.2
40°	1810.8	1810.8	1806.7	1785.9	1789.9	1777.4	1773.3	1777.4	1760.8	1756.5	1773.3
42.5°	1572.9	1568.9	1556.3	1527.1	1531.2	1510.3	1493.7	1493.7	1485.4	1481.2	1485.4
45°	1360.2	1347.6	1326.8	1293.5	1285.0	1268.4	1235.0	1226.7	1214.1	1214.1	1218.3
47.5°	1164.1	1147.4	1114.0	1076.5	1055.6	1034.8	1001.4	988.8	967.9	959.6	967.9
50°	1001.4	972.2	930.4	876.1	855.3	830.3	796.9	776.0	755.2	746.9	742.6
52.5°	851.2	809.5	767.7	701.0	684.3	659.3	613.3	592.5	571.6	555.0	555.0
55°	721.8	684.3	625.9	563.3	538.2	513.2	467.3	438.1	417.2	408.9	400.6
57.5°	605.0	563.3	509.0	442.3	417.2	392.3	346.3	317.1	296.2	283.7	275.4
60°	509.0	463.2	408.9	350.5	321.3	296.2	250.4	221.1	200.2	187.8	179.3
62.5°	417.2	379.7	325.4	271.3	246.2	221.1	183.6	154.4	133.5	125.2	112.7
65°	350.5	312.9	262.8	217.0	196.1	171.0	137.8	112.7	96.0	83.5	75.2
67.5°	283.7	254.5	212.8	171.0	150.2	133.5	104.3	83.5	66.7	58.4	54.3
70°	225.3	196.1	162.7	129.3	116.9	100.1	79.2	58.4	50.1	41.7	37.5
72.5°	166.9	146.1	121.0	96.0	83.5	75.2	54.3	46.0	33.4	29.2	25.1
75°	121.0	104.3	87.6	66.7	58.4	54.3	41.7	29.2	25.1	20.9	16.6
77.5°	83.5	75.2	58.4	46.0	41.7	37.5	29.2	20.9	16.6	12.6	12.6
80°	54.3	46.0	37.5	29.2	29.2	25.1	16.6	12.6	12.6	8.3	8.3
82.5°	33.4	29.2	25.1	20.9	16.6	16.6	12.6	8.3	8.3	4.2	4.2
85°	20.9	16.6	12.6	12.6	8.3	8.3	8.3	4.2	4.2	4.2	4.2
87.5°	8.3	8.3	8.3	4.2	4.2	4.2	4.2	0.0	0.0	0.0	0.0
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°	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8
2.5°	3450.6	3450.6	3458.9	3446.4	3454.8	3454.8	3463.2	3446.4	3454.8	3458.9	3467.2
5°	3434.0	3438.0	3446.4	3442.3	3446.4	3446.4	3454.8	3434.0	3450.6	3450.6	3463.2
7.5°	3417.2	3417.2	3425.5	3421.4	3429.7	3434.0	3442.3	3425.5	3442.3	3442.3	3454.8
10°	3396.3	3396.3	3408.9	3404.6	3417.2	3421.4	3434.0	3417.2	3434.0	3438.0	3450.6
12.5°	3367.1	3371.4	3383.8	3383.8	3396.3	3404.6	3417.2	3408.9	3429.7	3434.0	3450.6
15°	3333.7	3342.2	3358.8	3354.6	3367.1	3379.7	3396.3	3383.8	3413.1	3421.4	3438.0
17.5°	3292.0	3300.4	3312.8	3312.8	3325.4	3333.7	3354.6	3346.3	3371.4	3375.4	3396.3
20°	3229.5	3241.9	3258.7	3254.5	3267.0	3275.3	3292.0	3283.7	3308.8	3317.1	3337.9
22.5°	3154.4	3162.7	3175.2	3175.2	3187.8	3196.1	3212.7	3200.2	3225.3	3229.5	3246.2
25°	3054.3	3062.6	3070.9	3075.1	3087.5	3091.8	3100.1	3091.8	3112.6	3116.9	3137.6
27.5°	2924.8	2929.1	2941.6	2941.6	2949.9	2954.0	2966.6	2949.9	2979.1	2979.1	2991.7
30°	2770.4	2766.3	2783.0	2774.7	2783.0	2783.0	2795.5	2787.2	2808.1	2799.8	2812.2
32.5°	2566.0	2574.5	2574.5	2566.0	2582.8	2578.5	2578.5	2570.2	2582.8	2586.9	2595.2
35°	2328.3	2340.7	2340.7	2344.9	2349.1	2336.6	2340.7	2315.7	2336.6	2340.7	2344.9
37.5°	2069.5	2057.0	2065.3	2052.8	2073.6	2048.7	2048.7	2032.0	2048.7	2048.7	2052.8
40°	1773.3	1769.1	1777.4	1769.1	1765.0	1760.8	1752.4	1739.9	1756.5	1748.2	1760.8
42.5°	1493.7	1489.5	1489.5	1481.2	1477.1	1477.1	1468.8	1460.3	1456.2	1456.2	1477.1
45°	1205.8	1214.1	1205.8	1201.7	1210.0	1201.7	1205.8	1189.2	1197.5	1189.2	1197.5
47.5°	963.9	967.9	959.6	951.3	963.9	951.3	951.3	938.7	955.5	955.5	947.1
50°	746.9	742.6	734.3	742.6	738.5	738.5	738.5	726.0	734.3	721.8	730.2
52.5°	550.7	546.6	546.6	542.4	546.6	542.4	542.4	538.2	538.2	534.1	538.2
55°	400.6	396.3	388.0	388.0	388.0	392.3	388.0	383.9	383.9	379.7	383.9
57.5°	271.3	262.8	262.8	262.8	262.8	258.7	258.7	254.5	258.7	254.5	258.7
60°	175.3	175.3	166.9	166.9	166.9	166.9	166.9	162.7	166.9	166.9	166.9
62.5°	108.4	108.4	104.3	100.1	104.3	100.1	100.1	100.1	104.3	100.1	104.3
65°	70.9	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
67.5°	50.1	46.0	46.0	46.0	46.0	46.0	46.0	41.7	46.0	46.0	46.0
70°	33.4	33.4	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
72.5°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
75°	16.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
77.5°	12.6	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	8.3	8.3	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85°	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
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: P684449

CATALOG NUMBER: LX6C60D010 EX6C609027 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8	3454.8
2.5°	3454.8	3458.9	3450.6	3454.8	3446.4	3454.8	3458.9	3467.2
5°	3446.4	3450.6	3442.3	3450.6	3442.3	3450.6	3454.8	3463.2
7.5°	3438.0	3446.4	3438.0	3446.4	3438.0	3446.4	3450.6	3458.9
10°	3438.0	3450.6	3442.3	3454.8	3442.3	3450.6	3458.9	3463.2
12.5°	3438.0	3450.6	3446.4	3454.8	3450.6	3458.9	3467.2	3475.5
15°	3429.7	3442.3	3434.0	3446.4	3442.3	3446.4	3463.2	3463.2
17.5°	3383.8	3396.3	3396.3	3404.6	3404.6	3417.2	3425.5	3434.0
20°	3325.4	3337.9	3333.7	3346.3	3346.3	3358.8	3367.1	3375.4
22.5°	3237.8	3254.5	3250.2	3262.8	3258.7	3267.0	3283.7	3279.6
25°	3125.2	3146.1	3141.8	3150.1	3146.1	3146.1	3154.4	3158.4
27.5°	2987.4	3000.0	2995.7	3004.2	2995.7	3004.2	3012.5	3016.6
30°	2808.1	2816.4	2812.2	2816.4	2812.2	2820.5	2824.7	2833.0
32.5°	2591.1	2603.6	2591.1	2599.4	2595.2	2595.2	2612.0	2603.6
35°	2332.4	2336.6	2340.7	2340.7	2332.4	2336.6	2344.9	2344.9
37.5°	2044.4	2065.3	2040.4	2052.8	2048.7	2048.7	2048.7	2061.2
40°	1744.1	1748.2	1739.9	1739.9	1739.9	1735.7	1752.4	1748.2
42.5°	1460.3	1464.5	1460.3	1447.9	1452.0	1452.0	1464.5	1447.9
45°	1184.9	1193.2	1189.2	1189.2	1180.8	1180.8	1184.9	1176.6
47.5°	938.7	947.1	934.7	938.7	930.4	938.7	934.7	943.0
50°	713.4	721.8	717.7	721.8	721.8	713.4	726.0	709.4
52.5°	534.1	538.2	534.1	529.9	525.8	525.8	534.1	529.9
55°	379.7	375.5	375.5	375.5	379.7	379.7	375.5	371.4
57.5°	254.5	254.5	250.4	250.4	254.5	246.2	250.4	246.2
60°	162.7	162.7	162.7	162.7	158.6	162.7	162.7	162.7
62.5°	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1
65°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
67.5°	41.7	46.0	46.0	46.0	41.7	41.7	41.7	41.7
70°	29.2	29.2	29.2	29.2	29.2	29.2	29.2	29.2
72.5°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
75°	12.6	12.6	12.6	12.6	12.6	12.6	12.6	12.6
77.5°	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
80°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	4.2	4.2	4.2	4.2	0.0	0.0	0.0
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)