

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: P684463

Luminaire Tested: **LX6C60D010 EX6C609035 6LCSWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684463
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 EX6C609035 6LCSWH
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

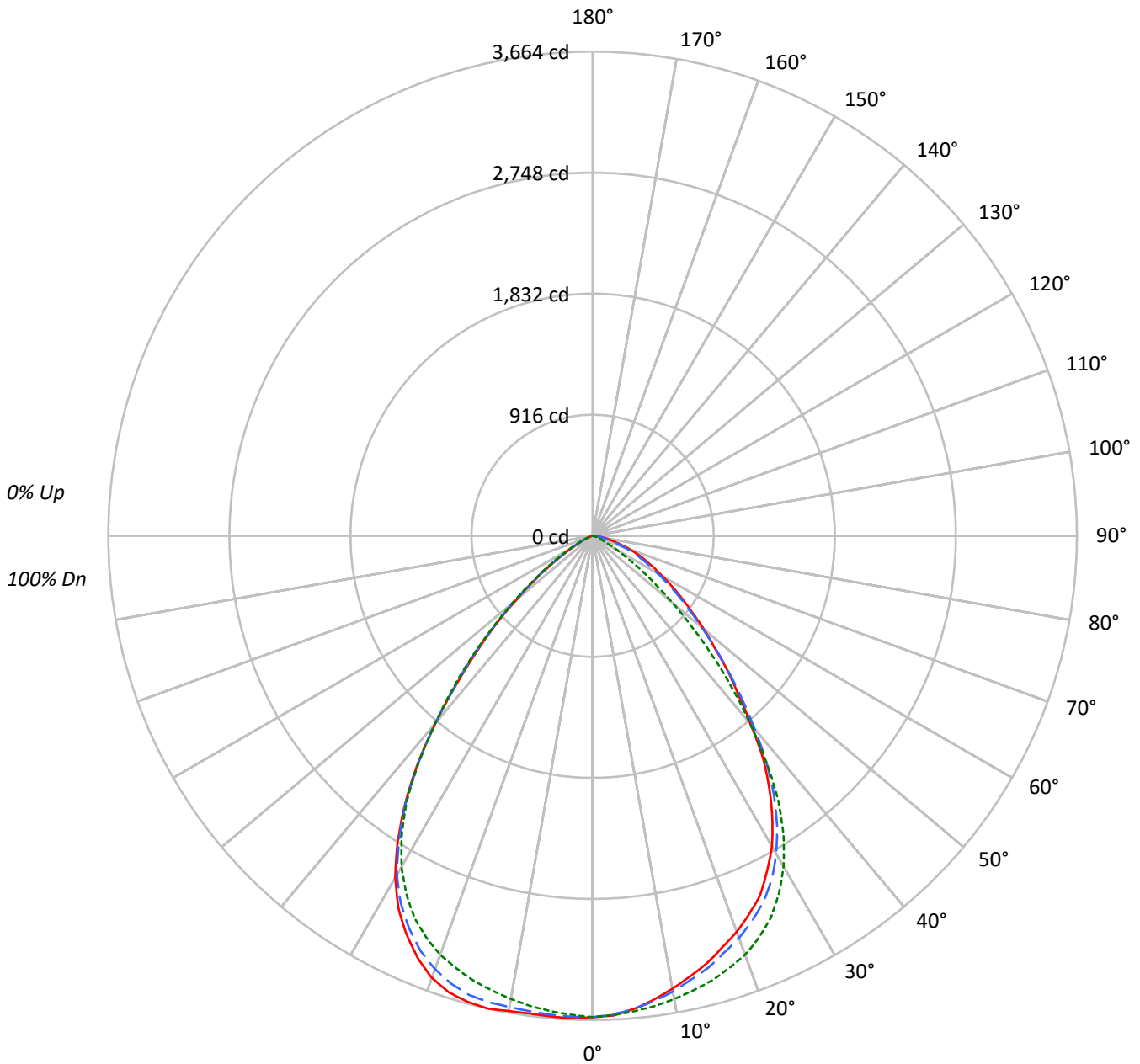
Lumens per Lamp: N/A
Luminaire Lumens: 6111.0 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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°	199688	199688	199688
5°	197782	198750	200935
10°	193706	198109	203258
15°	190001	197737	207232
20°	186059	196840	207621
25°	181474	192912	201429
30°	171824	182952	189080
35°	156038	163982	165454
40°	133171	132534	131904
45°	111864	99243	96181
50°	93430	67153	63785
55°	78630	41203	37428
60°	66563	21709	18814
65°	57633	11415	9119
70°	47941	7052	4937
75°	35414	4660	2796
80°	27781	2778	1421
85°	22140	2830	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.3	5.6
10°-20°	982.9	16.1
20°-30°	1451.4	23.8
30°-40°	1495.8	24.5
40°-50°	1033.2	16.9
50°-60°	509.2	8.3
60°-70°	206.3	3.4
70°-80°	73.5	1.2
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°	2777.7	45.5
0°-40°	4273.5	69.9
0°-60°	5815.9	95.2
0°-90°	6111.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6111.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3643	3643	3643	3643	3643	
5°	3594	3594	3612	3638	3651	339
15°	3348	3383	3484	3599	3651	943
25°	3000	3058	3189	3282	3330	1372
35°	2332	2389	2450	2464	2472	1445
45°	1443	1452	1280	1263	1241	1115
55°	823	792	431	405	392	743
65°	444	400	88	70	70	441
75°	167	141	22	13	13	188
85°	35	26	4	0	0	43
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°	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6
2.5°	3633.7	3620.6	3629.4	3611.7	3633.7	3611.7	3616.1	3620.6	3616.1	3620.6	3624.9
5°	3594.1	3580.9	3594.1	3572.1	3594.1	3580.9	3580.9	3585.4	3585.4	3589.7	3594.1
7.5°	3541.4	3528.1	3541.4	3519.4	3545.7	3532.6	3532.6	3541.4	3536.9	3541.4	3550.1
10°	3479.8	3462.1	3475.3	3462.1	3488.6	3470.9	3479.8	3479.8	3479.8	3492.9	3501.8
12.5°	3413.8	3396.1	3413.8	3391.8	3418.1	3405.0	3409.3	3422.6	3426.9	3435.8	3440.1
15°	3347.8	3325.8	3334.6	3321.3	3347.8	3334.6	3339.0	3356.6	3356.6	3369.8	3383.0
17.5°	3264.3	3246.6	3264.3	3246.6	3268.6	3259.8	3268.6	3281.8	3281.8	3295.0	3308.1
20°	3189.3	3171.8	3185.0	3171.8	3198.3	3185.0	3189.3	3207.0	3211.3	3224.6	3237.8
22.5°	3097.0	3083.8	3092.5	3079.5	3105.8	3097.0	3101.5	3119.0	3123.5	3132.2	3154.3
25°	3000.2	2973.8	2987.0	2978.2	3004.7	2991.5	3000.2	3017.8	3026.7	3039.8	3057.5
27.5°	2859.5	2846.2	2855.0	2855.0	2877.0	2863.9	2868.2	2885.9	2899.0	2912.2	2934.2
30°	2714.4	2692.4	2701.1	2705.4	2723.1	2714.4	2723.1	2740.7	2745.1	2762.7	2780.2
32.5°	2529.6	2520.7	2538.4	2529.6	2538.4	2538.4	2542.7	2555.9	2564.7	2573.6	2595.6
35°	2331.6	2314.0	2331.6	2322.8	2344.8	2331.6	2344.8	2358.0	2358.0	2375.6	2388.8
37.5°	2116.0	2094.0	2102.8	2102.8	2111.5	2107.2	2107.2	2129.2	2133.5	2146.8	2160.0
40°	1860.9	1852.0	1869.7	1865.2	1869.7	1869.7	1874.0	1887.2	1896.0	1900.5	1904.9
42.5°	1632.1	1636.4	1640.9	1640.9	1640.9	1640.9	1640.9	1658.4	1654.1	1667.4	1671.7
45°	1442.9	1425.3	1434.1	1429.8	1442.9	1429.8	1442.9	1456.1	1447.3	1460.6	1451.6
47.5°	1249.3	1249.3	1249.3	1245.0	1253.8	1249.3	1258.1	1262.6	1262.6	1262.6	1258.1
50°	1095.5	1082.2	1086.5	1086.5	1091.0	1086.5	1095.5	1099.8	1099.8	1091.0	1073.5
52.5°	945.8	941.5	941.5	950.2	950.2	945.8	945.8	945.8	945.8	932.7	923.8
55°	822.7	813.9	818.2	818.2	818.2	818.2	822.7	818.2	818.2	805.0	791.9
57.5°	712.7	703.9	703.9	703.9	708.2	703.9	703.9	703.9	699.4	686.2	668.7
60°	607.1	602.7	607.1	607.1	611.4	607.1	607.1	607.1	598.4	585.1	567.4
62.5°	519.1	519.1	519.1	523.4	523.4	519.1	519.1	514.7	510.4	492.6	475.1
65°	444.3	439.9	444.3	444.3	448.6	448.6	444.3	439.9	435.6	417.9	400.3
67.5°	369.6	365.1	369.6	369.6	373.9	369.6	369.6	369.6	356.3	347.6	329.9
70°	299.1	294.8	294.8	294.8	299.1	290.3	294.8	294.8	286.0	272.8	255.1
72.5°	228.8	228.8	228.8	228.8	228.8	228.8	224.3	224.3	215.6	202.3	193.6
75°	167.2	167.2	171.6	171.6	167.2	167.2	167.2	162.8	158.3	149.5	140.8
77.5°	123.2	123.2	123.2	123.2	118.8	118.8	118.8	114.3	110.0	105.5	96.8
80°	88.0	88.0	88.0	83.5	88.0	83.5	83.5	83.5	74.8	70.3	66.0
82.5°	61.5	57.2	57.2	57.2	57.2	57.2	57.2	52.8	52.8	48.5	44.0
85°	35.2	35.2	35.2	35.2	35.2	35.2	35.2	35.2	30.8	26.5	26.5
87.5°	17.5	22.0	22.0	22.0	22.0	22.0	22.0	17.5	17.5	17.5	13.2
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°	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6
2.5°	3624.9	3624.9	3633.7	3620.6	3642.6	3629.4	3624.9	3646.9	3633.7	3629.4	3638.1
5°	3594.1	3598.6	3602.9	3594.1	3616.1	3602.9	3602.9	3624.9	3616.1	3611.7	3624.9
7.5°	3554.6	3558.9	3567.7	3563.4	3580.9	3572.1	3576.6	3598.6	3589.7	3589.7	3602.9
10°	3506.1	3514.9	3523.8	3523.8	3545.7	3536.9	3536.9	3563.4	3554.6	3558.9	3576.6
12.5°	3448.9	3462.1	3475.3	3479.8	3501.8	3488.6	3492.9	3523.8	3519.4	3523.8	3541.4
15°	3387.3	3405.0	3418.1	3418.1	3444.6	3431.3	3444.6	3475.3	3466.6	3484.1	3506.1
17.5°	3317.0	3334.6	3352.1	3356.6	3383.0	3374.1	3391.8	3422.6	3422.6	3431.3	3457.8
20°	3251.0	3273.0	3281.8	3295.0	3321.3	3317.0	3325.8	3361.0	3361.0	3374.1	3400.6
22.5°	3163.0	3185.0	3202.6	3215.8	3237.8	3237.8	3251.0	3281.8	3281.8	3290.6	3317.0
25°	3066.2	3092.5	3105.8	3119.0	3141.0	3136.5	3149.8	3176.3	3180.6	3189.3	3215.8
27.5°	2943.0	2965.0	2982.7	2991.5	3022.2	3004.7	3017.8	3048.7	3044.2	3053.0	3075.0
30°	2789.1	2811.1	2828.7	2828.7	2855.0	2855.0	2868.2	2881.5	2881.5	2890.2	2907.9
32.5°	2608.7	2635.1	2635.1	2648.4	2665.9	2648.4	2665.9	2683.4	2674.7	2687.9	2701.1
35°	2401.9	2415.1	2419.6	2419.6	2432.8	2428.3	2423.9	2437.1	2428.3	2450.3	2463.6
37.5°	2151.2	2168.8	2160.0	2168.8	2164.3	2151.2	2151.2	2173.3	2155.6	2160.0	2173.3
40°	1909.2	1909.2	1904.9	1882.9	1887.2	1874.0	1869.7	1874.0	1856.5	1852.0	1869.7
42.5°	1658.4	1654.1	1640.9	1610.1	1614.4	1592.4	1574.9	1574.9	1566.1	1561.7	1566.1
45°	1434.1	1420.9	1398.9	1363.8	1354.9	1337.3	1302.1	1293.3	1280.1	1280.1	1284.6
47.5°	1227.3	1209.8	1174.6	1135.0	1113.0	1091.0	1055.8	1042.5	1020.5	1011.8	1020.5
50°	1055.8	1025.0	981.0	923.8	901.8	875.5	840.2	818.2	796.2	787.4	783.0
52.5°	897.5	853.5	809.4	739.1	721.4	695.1	646.7	624.7	602.7	585.1	585.1
55°	761.0	721.4	659.9	593.9	567.4	541.1	492.6	461.9	439.9	431.1	422.3
57.5°	637.9	593.9	536.7	466.3	439.9	413.6	365.1	334.3	312.3	299.1	290.3
60°	536.7	488.3	431.1	369.6	338.8	312.3	264.0	233.1	211.1	198.0	189.1
62.5°	439.9	400.3	343.1	286.0	259.6	233.1	193.6	162.8	140.8	132.0	118.8
65°	369.6	329.9	277.1	228.8	206.8	180.3	145.2	118.8	101.2	88.0	79.2
67.5°	299.1	268.3	224.3	180.3	158.3	140.8	110.0	88.0	70.3	61.5	57.2
70°	237.6	206.8	171.6	136.3	123.2	105.5	83.5	61.5	52.8	44.0	39.5
72.5°	176.0	154.0	127.5	101.2	88.0	79.2	57.2	48.5	35.2	30.8	26.5
75°	127.5	110.0	92.3	70.3	61.5	57.2	44.0	30.8	26.5	22.0	17.5
77.5°	88.0	79.2	61.5	48.5	44.0	39.5	30.8	22.0	17.5	13.2	13.2
80°	57.2	48.5	39.5	30.8	30.8	26.5	17.5	13.2	13.2	8.8	8.8
82.5°	35.2	30.8	26.5	22.0	17.5	17.5	13.2	8.8	8.8	4.5	4.5
85°	22.0	17.5	13.2	13.2	8.8	8.8	8.8	4.5	4.5	4.5	4.5
87.5°	8.8	8.8	8.8	4.5	4.5	4.5	4.5	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°	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6
2.5°	3638.1	3638.1	3646.9	3633.7	3642.6	3642.6	3651.4	3633.7	3642.6	3646.9	3655.7
5°	3620.6	3624.9	3633.7	3629.4	3633.7	3633.7	3642.6	3620.6	3638.1	3638.1	3651.4
7.5°	3602.9	3602.9	3611.7	3607.4	3616.1	3620.6	3629.4	3611.7	3629.4	3629.4	3642.6
10°	3580.9	3580.9	3594.1	3589.7	3602.9	3607.4	3620.6	3602.9	3620.6	3624.9	3638.1
12.5°	3550.1	3554.6	3567.7	3567.7	3580.9	3589.7	3602.9	3594.1	3616.1	3620.6	3638.1
15°	3514.9	3523.8	3541.4	3536.9	3550.1	3563.4	3580.9	3567.7	3598.6	3607.4	3624.9
17.5°	3470.9	3479.8	3492.9	3492.9	3506.1	3514.9	3536.9	3528.1	3554.6	3558.9	3580.9
20°	3405.0	3418.1	3435.8	3431.3	3444.6	3453.3	3470.9	3462.1	3488.6	3497.4	3519.4
22.5°	3325.8	3334.6	3347.8	3347.8	3361.0	3369.8	3387.3	3374.1	3400.6	3405.0	3422.6
25°	3220.3	3229.0	3237.8	3242.3	3255.3	3259.8	3268.6	3259.8	3281.8	3286.3	3308.1
27.5°	3083.8	3088.2	3101.5	3101.5	3110.2	3114.5	3127.8	3110.2	3141.0	3141.0	3154.3
30°	2921.0	2916.7	2934.2	2925.5	2934.2	2934.2	2947.5	2938.7	2960.7	2951.9	2965.0
32.5°	2705.4	2714.4	2714.4	2705.4	2723.1	2718.7	2718.7	2709.9	2723.1	2727.4	2736.2
35°	2454.8	2467.9	2467.9	2472.3	2476.8	2463.6	2467.9	2441.6	2463.6	2467.9	2472.3
37.5°	2182.0	2168.8	2177.6	2164.3	2186.3	2160.0	2160.0	2142.5	2160.0	2160.0	2164.3
40°	1869.7	1865.2	1874.0	1865.2	1860.9	1856.5	1847.7	1834.5	1852.0	1843.2	1856.5
42.5°	1574.9	1570.4	1570.4	1561.7	1557.4	1557.4	1548.6	1539.7	1535.4	1535.4	1557.4
45°	1271.3	1280.1	1271.3	1267.0	1275.8	1267.0	1271.3	1253.8	1262.6	1253.8	1262.6
47.5°	1016.2	1020.5	1011.8	1003.0	1016.2	1003.0	1003.0	989.8	1007.5	1007.5	998.5
50°	787.4	783.0	774.2	783.0	778.7	778.7	778.7	765.4	774.2	761.0	769.9
52.5°	580.7	576.4	576.4	571.9	576.4	571.9	571.9	567.4	567.4	563.1	567.4
55°	422.3	417.9	409.1	409.1	409.1	413.6	409.1	404.8	404.8	400.3	404.8
57.5°	286.0	277.1	277.1	277.1	277.1	272.8	272.8	268.3	272.8	268.3	272.8
60°	184.8	184.8	176.0	176.0	176.0	176.0	176.0	171.6	176.0	176.0	176.0
62.5°	114.3	114.3	110.0	105.5	110.0	105.5	105.5	105.5	110.0	105.5	110.0
65°	74.8	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
67.5°	52.8	48.5	48.5	48.5	48.5	48.5	48.5	44.0	48.5	48.5	48.5
70°	35.2	35.2	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
72.5°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
75°	17.5	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
77.5°	13.2	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
80°	8.8	8.8	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	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	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
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: P684463

CATALOG NUMBER: LX6C60D010 EX6C609035 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6	3642.6
2.5°	3642.6	3646.9	3638.1	3642.6	3633.7	3642.6	3646.9	3655.7
5°	3633.7	3638.1	3629.4	3638.1	3629.4	3638.1	3642.6	3651.4
7.5°	3624.9	3633.7	3624.9	3633.7	3624.9	3633.7	3638.1	3646.9
10°	3624.9	3638.1	3629.4	3642.6	3629.4	3638.1	3646.9	3651.4
12.5°	3624.9	3638.1	3633.7	3642.6	3638.1	3646.9	3655.7	3664.4
15°	3616.1	3629.4	3620.6	3633.7	3629.4	3633.7	3651.4	3651.4
17.5°	3567.7	3580.9	3580.9	3589.7	3589.7	3602.9	3611.7	3620.6
20°	3506.1	3519.4	3514.9	3528.1	3528.1	3541.4	3550.1	3558.9
22.5°	3413.8	3431.3	3426.9	3440.1	3435.8	3444.6	3462.1	3457.8
25°	3295.0	3317.0	3312.6	3321.3	3317.0	3317.0	3325.8	3330.1
27.5°	3149.8	3163.0	3158.6	3167.5	3158.6	3167.5	3176.3	3180.6
30°	2960.7	2969.5	2965.0	2969.5	2965.0	2973.8	2978.2	2987.0
32.5°	2731.9	2745.1	2731.9	2740.7	2736.2	2736.2	2753.9	2745.1
35°	2459.1	2463.6	2467.9	2467.9	2459.1	2463.6	2472.3	2472.3
37.5°	2155.6	2177.6	2151.2	2164.3	2160.0	2160.0	2160.0	2173.3
40°	1838.9	1843.2	1834.5	1834.5	1834.5	1830.0	1847.7	1843.2
42.5°	1539.7	1544.1	1539.7	1526.6	1530.9	1530.9	1544.1	1526.6
45°	1249.3	1258.1	1253.8	1253.8	1245.0	1245.0	1249.3	1240.6
47.5°	989.8	998.5	985.5	989.8	981.0	989.8	985.5	994.2
50°	752.2	761.0	756.7	761.0	761.0	752.2	765.4	747.9
52.5°	563.1	567.4	563.1	558.7	554.4	554.4	563.1	558.7
55°	400.3	395.9	395.9	395.9	400.3	400.3	395.9	391.6
57.5°	268.3	268.3	264.0	264.0	268.3	259.6	264.0	259.6
60°	171.6	171.6	171.6	171.6	167.2	171.6	171.6	171.6
62.5°	105.5	105.5	105.5	105.5	105.5	105.5	105.5	105.5
65°	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
67.5°	44.0	48.5	48.5	48.5	44.0	44.0	44.0	44.0
70°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
72.5°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0
75°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2
77.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.5	4.5	4.5	4.5	4.5	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)