

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: P685125

Luminaire Tested: **LX6C60D010 EX6609035 6LCSWLI**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P685125
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252180)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C60D010 EX6609035 6LCSWLI
Description: 6 INCH 6000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

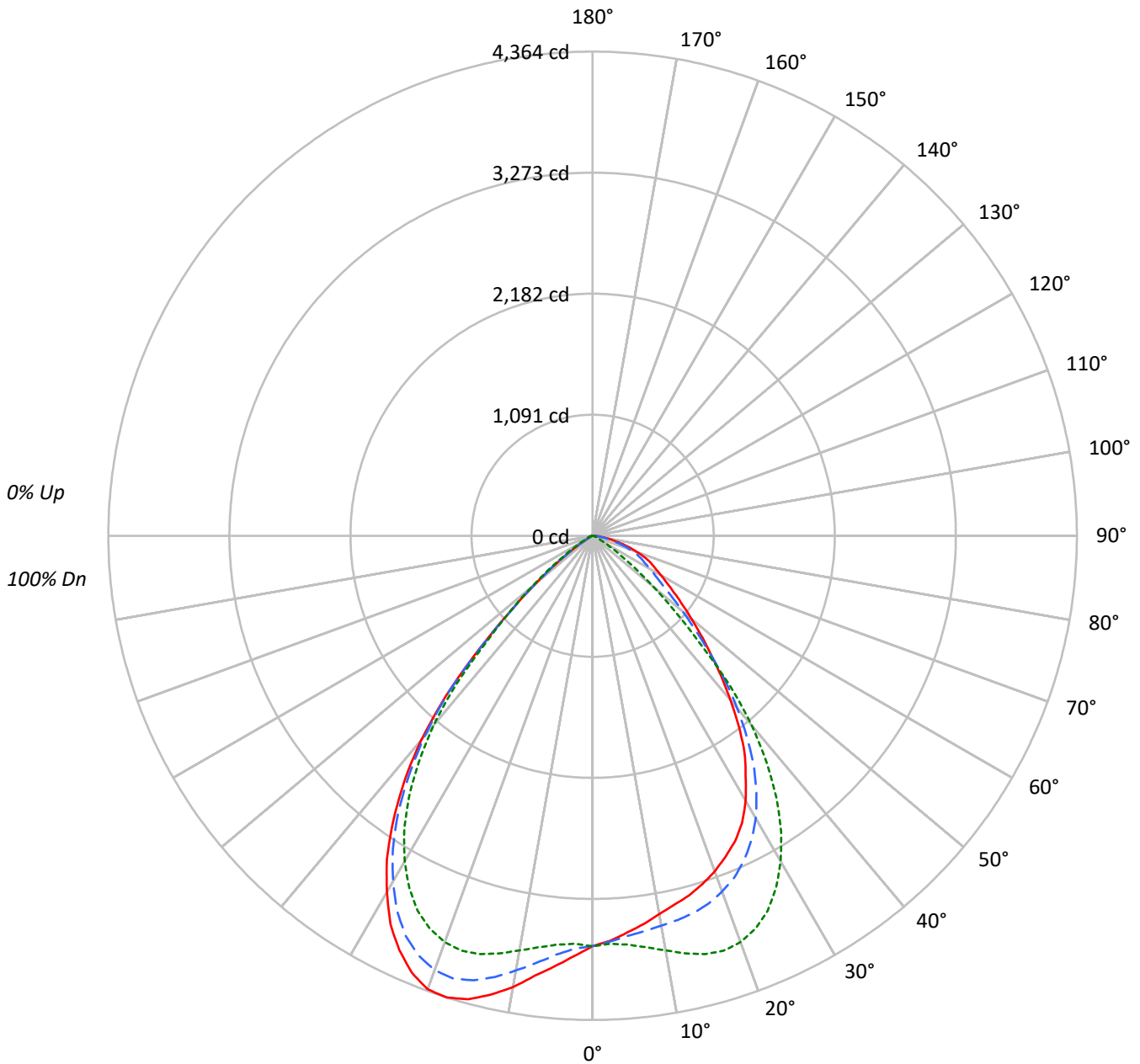
Lumens per Lamp: N/A
Luminaire Lumens: 6761.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.29 / 1.21
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	103	109	106	103	101	102	100	98	98	96	95	95	93	92	90			
2	105	98	93	89	102	97	92	88	93	89	86	90	87	84	87	85	82	80			
3	98	89	83	78	95	88	82	78	85	80	76	83	78	75	80	77	74	72			
4	91	82	75	69	89	80	74	69	78	72	68	76	71	67	74	70	66	65			
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58			
6	80	69	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53			
7	74	63	56	51	73	62	55	50	61	55	50	60	54	50	58	53	50	48			
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44			
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40			
10	62	50	43	39	61	50	43	39	49	43	39	48	43	39	47	42	38	37			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	202769	202769	202769
5°	197512	203543	214247
10°	192704	211207	229911
15°	190455	221562	245444
20°	187721	227333	253737
25°	183736	225654	249184
30°	174596	214444	234587
35°	159739	193341	209429
40°	138166	159671	171822
45°	116516	104732	112399
50°	98922	60621	57005
55°	85846	29065	21963
60°	77538	13563	5416
65°	75222	7796	1829
70°	67447	6235	1699
75°	55430	4512	763
80°	41293	2210	0
85°	35601	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	357.3	5.3
10°-20°	1088.8	16.1
20°-30°	1663.6	24.6
30°-40°	1740.0	25.7
40°-50°	1128.8	16.7
50°-60°	448.2	6.6
60°-70°	212.6	3.1
70°-80°	101.1	1.5
80°-90°	20.6	0.3
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°	3109.7	46.0
0°-40°	4849.7	71.7
0°-60°	6426.7	95.1
0°-90°	6761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6761.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3699	3699	3699	3699	3699	
5°	3589	3621	3699	3791	3893	339
15°	3356	3518	3904	4148	4325	946
25°	3038	3228	3731	3982	4120	1391
35°	2387	2532	2889	3059	3129	1476
45°	1503	1489	1351	1432	1450	1169
55°	898	764	304	237	230	814
65°	580	481	60	14	14	566
75°	262	212	21	7	4	282
85°	57	35	0	0	0	66
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°	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8
2.5°	3652.8	3659.9	3621.1	3610.4	3638.7	3649.2	3652.8	3642.2	3645.8	3659.9	3659.9
5°	3589.2	3596.2	3560.9	3550.2	3578.5	3585.7	3596.2	3592.8	3603.4	3624.5	3621.1
7.5°	3529.1	3539.7	3500.8	3486.7	3522.0	3539.7	3546.8	3546.8	3560.9	3589.2	3592.8
10°	3461.8	3476.1	3440.7	3433.5	3472.5	3490.1	3493.7	3500.8	3522.0	3560.9	3567.9
12.5°	3405.4	3419.4	3394.7	3384.1	3426.5	3444.2	3451.2	3465.4	3490.1	3539.7	3546.8
15°	3355.8	3366.4	3338.1	3331.1	3373.5	3394.7	3398.2	3419.4	3451.2	3507.8	3518.5
17.5°	3292.1	3299.2	3278.0	3271.0	3313.4	3334.5	3338.1	3362.8	3401.8	3458.4	3476.1
20°	3217.8	3225.0	3203.7	3196.7	3239.1	3263.8	3267.4	3288.7	3334.5	3394.7	3412.4
22.5°	3129.4	3143.7	3118.9	3111.8	3154.3	3175.4	3186.1	3203.7	3249.7	3309.8	3334.5
25°	3037.6	3037.6	3019.9	3016.3	3055.3	3080.0	3076.4	3101.1	3147.1	3207.3	3228.5
27.5°	2917.3	2913.7	2896.1	2892.6	2935.0	2956.3	2949.1	2973.9	3016.3	3076.4	3097.7
30°	2758.2	2765.3	2740.5	2733.4	2768.9	2804.2	2800.6	2825.3	2867.7	2924.4	2938.6
32.5°	2567.2	2574.3	2570.8	2560.2	2592.0	2609.6	2620.3	2637.9	2673.3	2733.4	2747.6
35°	2386.9	2376.3	2362.2	2362.2	2393.9	2422.2	2411.6	2432.9	2468.2	2528.3	2531.9
37.5°	2164.1	2160.5	2153.5	2146.5	2181.8	2188.9	2192.4	2206.5	2238.4	2287.9	2280.8
40°	1930.7	1934.2	1930.7	1916.5	1937.8	1966.1	1962.5	1969.7	1997.9	2033.2	2022.7
42.5°	1711.4	1711.4	1711.4	1697.4	1722.1	1736.3	1743.3	1739.8	1746.8	1778.7	1764.5
45°	1502.9	1506.4	1502.9	1499.3	1502.9	1510.0	1502.9	1499.3	1499.3	1510.0	1488.7
47.5°	1322.6	1322.6	1311.9	1301.3	1311.9	1315.4	1304.9	1294.3	1290.7	1287.2	1251.9
50°	1159.9	1156.3	1152.8	1135.2	1145.7	1149.2	1135.2	1128.0	1113.9	1096.2	1053.8
52.5°	1018.5	1014.9	1011.3	993.6	1000.8	1004.2	990.2	975.9	958.3	944.2	891.1
55°	898.2	894.6	894.6	884.1	876.9	884.1	869.9	859.2	834.5	816.8	763.8
57.5°	795.6	795.6	788.5	777.9	781.5	781.5	767.4	753.2	731.9	710.8	668.4
60°	707.2	707.2	707.2	696.6	696.6	696.6	689.5	675.4	657.8	636.5	594.1
62.5°	636.5	636.5	632.9	622.4	625.9	625.9	618.8	604.7	587.1	572.8	530.4
65°	579.9	579.9	579.9	569.4	569.4	572.8	565.8	551.7	537.5	519.8	480.9
67.5°	509.2	505.7	505.7	498.5	502.1	505.7	498.5	488.0	470.4	459.7	424.4
70°	420.8	424.4	427.8	417.3	420.8	420.8	417.3	406.7	396.1	385.4	353.7
72.5°	343.0	343.0	339.4	336.0	336.0	339.4	332.4	321.8	314.7	307.7	282.8
75°	261.7	258.1	261.7	254.7	254.7	254.7	247.5	244.0	240.4	229.8	212.1
77.5°	191.0	187.4	187.4	180.4	183.9	183.9	180.4	173.3	166.1	162.7	148.5
80°	130.8	130.8	130.8	127.3	127.3	123.7	123.7	120.3	113.1	109.6	102.6
82.5°	88.4	88.4	88.4	84.9	84.9	84.9	81.3	77.8	74.3	70.7	63.7
85°	56.6	56.6	56.6	53.0	53.0	53.0	49.4	49.4	46.0	42.4	35.4
87.5°	31.8	31.8	31.8	28.3	28.3	28.3	28.3	28.3	24.7	21.3	17.7
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°	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8
2.5°	3684.6	3635.1	3666.9	3666.9	3656.4	3684.6	3702.4	3716.5	3712.9	3681.1	3677.5
5°	3656.4	3613.9	3649.2	3652.8	3642.2	3681.1	3705.9	3723.5	3727.1	3698.8	3702.4
7.5°	3635.1	3599.8	3645.8	3659.9	3656.4	3691.8	3720.1	3748.3	3762.5	3741.2	3744.8
10°	3624.5	3596.2	3645.8	3666.9	3670.5	3709.4	3751.8	3790.8	3808.5	3794.2	3804.9
12.5°	3610.4	3592.8	3649.2	3681.1	3695.2	3734.2	3787.2	3833.2	3861.5	3854.4	3875.6
15°	3596.2	3582.1	3649.2	3695.2	3712.9	3748.3	3808.5	3875.6	3907.5	3903.9	3932.2
17.5°	3560.9	3557.4	3628.1	3677.5	3702.4	3744.8	3801.3	3882.6	3914.5	3921.6	3956.9
20°	3504.4	3504.4	3582.1	3635.1	3663.5	3702.4	3773.1	3850.9	3889.8	3896.8	3935.8
22.5°	3426.5	3433.5	3507.8	3560.9	3603.4	3631.6	3705.9	3787.2	3822.5	3833.2	3875.6
25°	3324.0	3331.1	3401.8	3454.8	3500.8	3532.5	3603.4	3677.5	3720.1	3730.6	3762.5
27.5°	3189.6	3203.7	3271.0	3324.0	3362.8	3384.1	3458.4	3536.1	3567.9	3578.5	3610.4
30°	3034.0	3037.6	3104.7	3150.7	3189.6	3207.3	3271.0	3352.3	3377.0	3387.7	3433.5
32.5°	2843.0	2839.6	2903.2	2945.6	2977.4	2998.7	3065.8	3118.9	3143.7	3161.3	3186.1
35°	2613.2	2609.6	2655.6	2705.2	2729.9	2737.0	2804.2	2860.7	2874.9	2889.0	2920.9
37.5°	2355.1	2355.1	2393.9	2418.8	2447.0	2457.6	2489.5	2553.2	2577.9	2574.3	2599.0
40°	2082.8	2068.7	2096.9	2121.7	2128.8	2132.2	2164.1	2213.6	2231.2	2231.2	2248.9
42.5°	1796.4	1775.1	1778.7	1792.8	1799.8	1775.1	1796.4	1828.1	1817.5	1831.7	1835.3
45°	1492.3	1460.4	1446.3	1414.4	1421.6	1396.7	1382.6	1389.7	1386.2	1350.9	1357.9
47.5°	1244.7	1188.2	1163.3	1117.5	1106.9	1078.5	1060.9	1029.0	1000.8	1000.8	983.0
50°	1036.1	979.5	930.0	876.9	859.2	834.5	795.6	753.2	731.9	710.8	693.1
52.5°	869.9	809.8	749.6	693.1	668.4	636.5	583.5	541.1	502.1	480.9	459.7
55°	735.5	668.4	604.7	544.5	512.8	480.9	427.8	378.4	332.4	304.1	286.4
57.5°	632.9	569.4	502.1	438.5	410.2	374.8	318.3	265.2	222.8	191.0	173.3
60°	558.7	495.1	435.0	367.8	339.4	304.1	244.0	194.4	152.0	123.7	102.6
62.5°	495.1	438.5	374.8	314.7	286.4	251.1	194.4	145.0	106.1	77.8	60.1
65°	449.1	392.5	339.4	279.4	254.7	219.3	166.1	120.3	84.9	60.1	42.4
67.5°	396.1	346.5	293.5	244.0	219.3	191.0	141.4	102.6	70.7	49.4	35.4
70°	332.4	293.5	247.5	201.6	183.9	159.1	116.7	84.9	56.6	38.9	28.3
72.5°	265.2	233.4	198.0	162.7	148.5	123.7	95.4	67.3	42.4	28.3	21.3
75°	201.6	176.8	148.5	123.7	109.6	95.4	70.7	49.4	31.8	21.3	14.1
77.5°	138.0	127.3	106.1	84.9	77.8	67.3	46.0	31.8	21.3	14.1	7.0
80°	95.4	84.9	70.7	56.6	49.4	42.4	28.3	21.3	10.6	7.0	3.6
82.5°	60.1	49.4	42.4	35.4	31.8	24.7	17.7	10.6	7.0	3.6	3.6
85°	31.8	28.3	24.7	17.7	17.7	14.1	10.6	7.0	3.6	0.0	0.0
87.5°	17.7	14.1	10.6	7.0	7.0	3.6	3.6	3.6	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°	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8
2.5°	3720.1	3720.1	3716.5	3758.9	3709.4	3758.9	3734.2	3758.9	3723.5	3720.1	3723.5
5°	3748.3	3758.9	3762.5	3801.3	3755.4	3815.5	3794.2	3815.5	3790.8	3797.8	3808.5
7.5°	3804.9	3822.5	3819.1	3868.5	3822.5	3889.8	3875.6	3907.5	3882.6	3889.8	3903.9
10°	3868.5	3889.8	3893.3	3942.8	3900.3	3981.6	3964.0	3999.3	3978.2	3988.8	4006.5
12.5°	3942.8	3967.5	3971.1	4027.6	3981.6	4066.6	4055.9	4091.3	4073.6	4084.2	4105.5
15°	3999.3	4034.7	4041.8	4098.3	4048.9	4137.3	4130.2	4176.2	4147.9	4165.6	4183.3
17.5°	4027.6	4059.5	4073.6	4126.6	4084.2	4172.6	4165.6	4204.5	4183.3	4200.9	4222.2
20°	4009.9	4048.9	4059.5	4112.6	4070.2	4158.5	4147.9	4186.8	4165.6	4179.7	4200.9
22.5°	3946.3	3985.2	3999.3	4048.9	4009.9	4091.3	4087.8	4123.2	4094.9	4112.6	4130.2
25°	3833.2	3875.6	3882.6	3928.6	3886.2	3971.1	3964.0	4002.9	3981.6	3992.3	4017.0
27.5°	3670.5	3720.1	3730.6	3769.5	3737.8	3808.5	3808.5	3840.2	3815.5	3815.5	3840.2
30°	3476.1	3525.5	3532.5	3564.4	3536.1	3599.8	3603.4	3635.1	3596.2	3617.5	3621.1
32.5°	3239.1	3271.0	3292.1	3320.4	3278.0	3359.4	3348.7	3373.5	3352.3	3352.3	3370.0
35°	2952.7	2991.6	3002.2	3037.6	3002.2	3065.8	3065.8	3080.0	3058.7	3058.7	3087.0
37.5°	2641.5	2669.8	2673.3	2708.7	2680.3	2733.4	2729.9	2740.5	2719.3	2733.4	2733.4
40°	2277.2	2298.5	2305.5	2323.2	2319.8	2358.6	2355.1	2362.2	2351.5	2355.1	2362.2
42.5°	1853.0	1881.2	1895.4	1909.5	1888.3	1941.4	1930.7	1941.4	1937.8	1941.4	1952.0
45°	1365.0	1386.2	1396.7	1400.3	1393.3	1425.0	1449.8	1428.6	1432.1	1425.0	1439.3
47.5°	986.6	990.2	983.0	1004.2	986.6	1000.8	1007.8	1011.3	990.2	986.6	1000.8
50°	675.4	693.1	668.4	678.9	675.4	689.5	682.5	686.1	664.8	675.4	668.4
52.5°	449.1	445.5	438.5	442.0	435.0	435.0	435.0	442.0	427.8	420.8	413.7
55°	272.3	265.2	251.1	247.5	247.5	251.1	244.0	237.0	237.0	233.4	233.4
57.5°	159.1	148.5	141.4	138.0	130.8	127.3	123.7	123.7	116.7	116.7	116.7
60°	88.4	77.8	70.7	63.7	63.7	60.1	56.6	53.0	53.0	53.0	49.4
62.5°	46.0	38.9	31.8	28.3	28.3	24.7	21.3	21.3	21.3	21.3	17.7
65°	31.8	24.7	21.3	17.7	17.7	14.1	14.1	14.1	14.1	14.1	14.1
67.5°	24.7	21.3	17.7	14.1	14.1	14.1	10.6	10.6	10.6	10.6	10.6
70°	21.3	14.1	14.1	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
72.5°	14.1	14.1	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
75°	10.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
77.5°	3.6	3.6	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0
80°	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	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	0.0	0.0	0.0	0.0	0.0	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



TEST NUMBER: P685125

CATALOG NUMBER: LX6C60D010 EX6609035 6LCSWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8	3698.8
2.5°	3755.4	3751.8	3755.4	3762.5	3748.3	3790.8	3769.5	3790.8
5°	3836.8	3840.2	3843.8	3854.4	3836.8	3889.8	3861.5	3893.3
7.5°	3942.8	3946.3	3949.9	3960.5	3949.9	4002.9	3971.1	3999.3
10°	4052.5	4059.5	4059.5	4077.2	4066.6	4116.0	4094.9	4130.2
12.5°	4154.9	4162.0	4169.2	4179.7	4172.6	4225.7	4208.0	4236.3
15°	4236.3	4250.4	4254.0	4268.1	4261.0	4317.6	4296.4	4324.7
17.5°	4275.2	4289.3	4289.3	4307.0	4300.0	4360.0	4331.7	4363.6
20°	4254.0	4264.6	4268.1	4285.9	4278.7	4338.9	4310.6	4349.4
22.5°	4186.8	4190.3	4193.9	4211.6	4208.0	4261.0	4236.3	4261.0
25°	4063.0	4073.6	4070.2	4084.2	4084.2	4126.6	4098.3	4119.6
27.5°	3886.2	3896.8	3896.8	3914.5	3900.3	3942.8	3914.5	3946.3
30°	3670.5	3681.1	3674.1	3688.2	3674.1	3716.5	3695.2	3705.9
32.5°	3412.4	3412.4	3415.9	3419.4	3412.4	3451.2	3430.1	3451.2
35°	3104.7	3111.8	3115.3	3118.9	3111.8	3140.1	3115.3	3129.4
37.5°	2758.2	2775.9	2772.3	2775.9	2765.3	2800.6	2779.4	2786.5
40°	2386.9	2386.9	2383.3	2390.5	2379.8	2408.1	2393.9	2401.0
42.5°	1955.5	1966.1	1952.0	1969.7	1941.4	1980.2	1966.1	1955.5
45°	1467.6	1453.3	1449.8	1453.3	1442.7	1446.3	1456.9	1449.8
47.5°	1000.8	1000.8	993.6	983.0	997.2	1000.8	986.6	986.6
50°	671.8	671.8	664.8	661.2	668.4	664.8	657.8	668.4
52.5°	427.8	413.7	413.7	420.8	413.7	406.7	417.3	410.2
55°	233.4	226.3	226.3	233.4	226.3	226.3	222.8	229.8
57.5°	113.1	116.7	113.1	113.1	113.1	113.1	109.6	113.1
60°	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
62.5°	21.3	21.3	17.7	17.7	17.7	17.7	17.7	17.7
65°	14.1	14.1	14.1	14.1	14.1	14.1	14.1	14.1
67.5°	10.6	10.6	10.6	10.6	10.6	14.1	10.6	10.6
70°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
72.5°	10.6	10.6	14.1	14.1	14.1	14.1	14.1	14.1
75°	7.0	7.0	7.0	3.6	3.6	3.6	3.6	3.6
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



Report Generated By 670246072 / DESKTOP-50001EG





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













(END OF REPORT)