

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: P684588

Luminaire Tested: **LX6C75D010 EX6C759050 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684588
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 EX6C759050 6LBLWWH
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

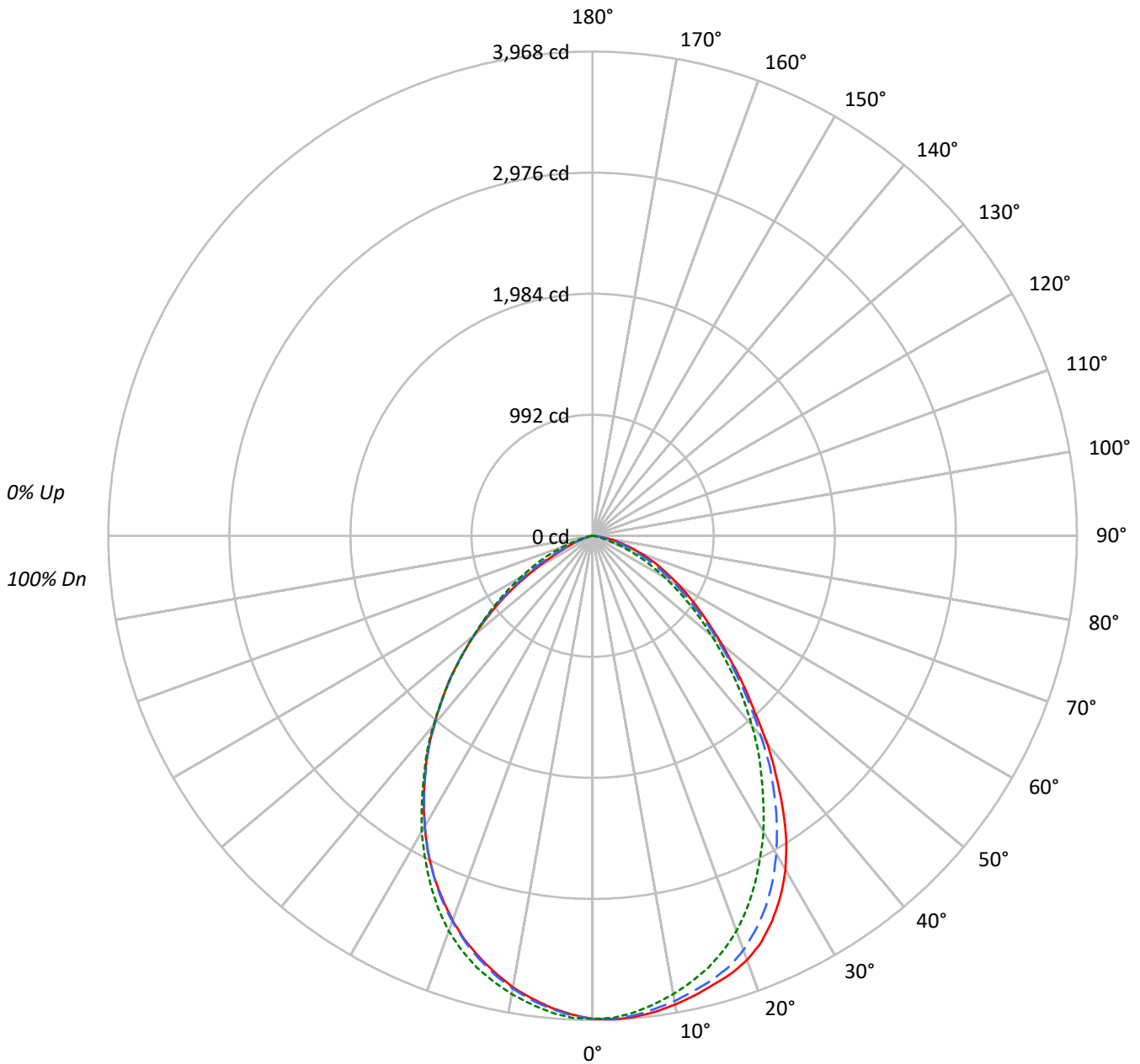
Lumens per Lamp: N/A
Luminaire Lumens: 7201.0 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P684588

CATALOG NUMBER: LX6C75D010 EX6C759050 6LBLWWH

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°	217022	217022	217022
5°	217780	215804	213680
10°	217114	212298	209187
15°	216295	207913	203083
20°	215817	201063	195708
25°	210563	190281	186095
30°	200056	177230	174280
35°	181582	161365	160301
40°	159320	145222	144464
45°	136588	126897	127928
50°	117574	108158	107587
55°	102763	91313	85722
60°	90311	74851	58504
65°	79062	57996	35218
70°	67399	39029	20693
75°	54393	20291	11268
80°	37820	7987	6314
85°	15096	2516	3334



TEST NUMBER: P684588

CATALOG NUMBER: LX6C75D010 EX6C759050 6LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	370.9	5.2
10°-20°	1035.8	14.4
20°-30°	1474.0	20.5
30°-40°	1551.5	21.5
40°-50°	1292.9	18.0
50°-60°	873.5	12.1
60°-70°	442.9	6.2
70°-80°	143.0	2.0
80°-90°	16.4	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°	2880.8	40.0
0°-40°	4432.3	61.6
0°-60°	6598.7	91.6
0°-90°	7201.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7201.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3959	3959	3959	3959	3959	
5°	3958	3946	3922	3892	3883	376
15°	3811	3770	3663	3590	3578	1077
25°	3481	3355	3146	3081	3077	1595
35°	2713	2596	2411	2387	2395	1688
45°	1762	1717	1637	1643	1650	1364
55°	1075	1023	955	926	897	968
65°	610	550	447	323	272	607
75°	257	201	96	52	53	277
85°	24	13	4	5	5	41
90°	0	0	0	0	0	



TEST NUMBER: P684588

CATALOG NUMBER: LX6C75D010 EX6C759050 6LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8
2.5°	3968.2	3968.2	3968.2	3968.2	3968.2	3968.2	3966.8	3966.8	3964.2	3964.2	3962.8
5°	3957.5	3958.8	3958.8	3957.5	3957.5	3954.8	3954.8	3953.5	3949.5	3946.9	3945.5
7.5°	3934.9	3934.9	3933.6	3932.2	3930.9	3926.9	3925.6	3921.6	3918.9	3916.3	3910.9
10°	3900.3	3900.3	3899.0	3896.3	3895.0	3892.3	3892.3	3887.0	3881.7	3875.0	3871.0
12.5°	3859.0	3860.4	3857.7	3856.4	3852.4	3851.1	3848.4	3841.7	3837.7	3829.8	3823.1
15°	3811.1	3813.8	3813.8	3808.5	3804.5	3803.1	3799.2	3795.2	3785.8	3777.9	3769.9
17.5°	3764.6	3767.2	3764.6	3760.6	3756.6	3751.2	3748.6	3740.6	3728.6	3718.0	3706.0
20°	3699.4	3703.3	3698.0	3691.4	3683.4	3682.1	3678.1	3664.8	3647.5	3631.5	3614.2
22.5°	3607.5	3604.9	3600.9	3598.2	3584.9	3576.9	3571.6	3554.3	3535.7	3514.4	3493.1
25°	3481.1	3486.4	3478.5	3466.5	3459.8	3451.8	3438.5	3419.9	3402.6	3380.0	3354.7
27.5°	3332.1	3332.1	3321.4	3317.4	3302.8	3292.2	3285.5	3266.9	3244.3	3221.6	3193.7
30°	3160.4	3152.4	3152.4	3133.8	3121.8	3117.8	3111.2	3080.6	3060.6	3036.7	3008.7
32.5°	2952.8	2951.5	2946.2	2934.2	2918.2	2904.9	2904.9	2883.6	2857.0	2827.7	2810.4
35°	2713.3	2714.6	2712.0	2698.7	2698.7	2682.7	2680.0	2661.4	2640.1	2617.5	2596.2
37.5°	2465.8	2471.1	2465.8	2459.1	2455.1	2453.8	2441.8	2428.5	2412.6	2399.3	2383.3
40°	2226.3	2218.3	2220.9	2207.6	2209.0	2206.3	2201.0	2183.7	2174.4	2161.1	2143.8
42.5°	1968.1	1976.1	1978.8	1970.8	1968.1	1962.8	1968.1	1961.5	1950.8	1944.2	1928.2
45°	1761.8	1753.9	1757.9	1755.2	1756.5	1745.9	1741.9	1739.2	1735.2	1723.3	1716.6
47.5°	1556.9	1558.3	1556.9	1551.6	1548.9	1548.9	1543.6	1535.6	1535.6	1527.6	1522.3
50°	1378.6	1378.6	1381.3	1374.6	1372.0	1366.6	1368.0	1360.0	1354.7	1348.0	1344.0
52.5°	1214.9	1216.3	1210.9	1212.3	1209.6	1209.6	1204.3	1199.0	1193.6	1181.7	1179.0
55°	1075.2	1076.5	1069.9	1072.5	1064.6	1060.6	1057.9	1049.9	1049.9	1037.9	1023.3
57.5°	944.8	943.5	942.1	938.1	932.8	928.8	924.8	915.5	911.5	903.5	891.6
60°	823.7	822.4	819.7	818.4	814.4	805.1	805.1	798.4	785.1	777.1	765.2
62.5°	709.3	709.3	707.9	703.9	699.9	696.0	693.3	688.0	674.7	665.4	654.7
65°	609.5	608.1	604.1	597.5	594.8	594.8	585.5	581.5	570.9	561.6	549.6
67.5°	513.7	508.3	505.7	507.0	499.0	499.0	491.0	484.4	475.1	459.1	449.8
70°	420.5	417.8	415.2	412.5	411.2	405.9	401.9	393.9	384.6	372.6	358.0
72.5°	336.7	336.7	332.7	330.0	326.0	320.7	318.0	311.4	300.7	287.4	276.8
75°	256.8	256.8	256.8	251.5	248.8	246.2	238.2	234.2	222.2	214.2	200.9
77.5°	189.0	186.3	182.3	181.0	178.3	175.7	171.7	165.0	154.4	145.0	137.1
80°	119.8	123.8	119.8	119.8	113.1	110.4	109.1	101.1	97.1	89.2	82.5
82.5°	66.5	67.9	65.2	63.9	59.9	58.6	58.6	53.2	50.6	45.2	41.3
85°	24.0	25.3	24.0	24.0	21.3	22.6	21.3	20.0	17.3	14.6	13.3
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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: P684588

CATALOG NUMBER: LX6C75D010 EX6C759050 6LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8
2.5°	3962.8	3960.2	3960.2	3958.8	3957.5	3957.5	3957.5	3956.2	3953.5	3953.5	3952.2
5°	3942.9	3940.2	3936.2	3933.6	3932.2	3930.9	3929.6	3928.2	3922.9	3921.6	3917.6
7.5°	3906.9	3904.3	3897.6	3895.0	3891.0	3889.6	3884.3	3881.7	3876.3	3871.0	3868.4
10°	3864.4	3857.7	3852.4	3845.7	3843.1	3839.1	3832.4	3824.4	3820.4	3813.8	3808.5
12.5°	3816.5	3808.5	3797.8	3789.8	3787.2	3780.5	3769.9	3763.2	3753.9	3743.3	3734.0
15°	3756.6	3747.3	3737.9	3723.3	3719.3	3711.3	3700.7	3687.4	3674.1	3663.4	3652.8
17.5°	3691.4	3676.7	3662.1	3646.1	3634.1	3630.2	3612.9	3594.2	3582.3	3563.6	3551.6
20°	3599.5	3579.6	3555.6	3539.7	3529.0	3517.0	3497.1	3477.1	3462.5	3446.5	3429.2
22.5°	3473.1	3454.5	3426.6	3402.6	3394.6	3377.3	3360.0	3341.4	3322.8	3305.5	3284.2
25°	3324.1	3304.1	3276.2	3252.2	3238.9	3230.9	3197.7	3179.0	3160.4	3145.8	3131.1
27.5°	3171.1	3135.1	3116.5	3079.2	3067.3	3064.6	3034.0	3014.0	2994.1	2974.1	2955.5
30°	2982.1	2954.2	2926.2	2899.6	2883.6	2874.3	2851.7	2826.4	2813.1	2799.8	2781.2
32.5°	2786.5	2761.2	2726.6	2701.3	2689.3	2676.0	2656.1	2638.8	2618.8	2604.2	2600.2
35°	2577.6	2549.6	2520.3	2501.7	2499.1	2483.1	2463.1	2448.5	2433.9	2411.2	2407.2
37.5°	2354.0	2338.0	2318.1	2291.5	2279.5	2279.5	2259.5	2248.9	2230.3	2228.9	2218.3
40°	2134.4	2127.8	2097.2	2089.2	2086.5	2067.9	2062.6	2044.0	2030.7	2029.3	2013.4
42.5°	1917.5	1900.2	1894.9	1881.6	1869.6	1867.0	1855.0	1847.0	1841.7	1833.7	1825.7
45°	1702.0	1698.0	1684.7	1675.4	1671.4	1666.0	1662.0	1646.1	1643.4	1636.8	1632.8
47.5°	1515.7	1505.0	1493.0	1482.4	1481.1	1473.1	1463.8	1463.8	1449.1	1447.8	1445.1
50°	1330.7	1322.7	1316.1	1301.4	1304.1	1293.4	1292.1	1280.1	1273.5	1268.2	1274.8
52.5°	1168.4	1152.4	1149.7	1137.8	1133.8	1135.1	1120.5	1116.5	1113.8	1108.5	1105.8
55°	1014.0	1006.0	995.4	987.4	980.7	974.1	968.8	968.8	954.1	955.4	948.8
57.5°	878.3	871.6	858.3	846.3	843.7	835.7	829.0	822.4	821.0	811.7	805.1
60°	757.2	745.2	727.9	722.6	714.6	707.9	701.3	693.3	689.3	682.7	670.7
62.5°	644.1	624.1	617.4	606.8	597.5	593.5	582.8	573.5	566.9	557.6	548.2
65°	536.3	521.6	509.7	497.7	496.4	485.7	476.4	468.4	455.1	447.1	429.8
67.5°	437.8	424.5	411.2	399.2	389.9	387.2	372.6	363.3	354.0	338.0	323.4
70°	347.3	334.0	323.4	308.7	304.7	294.1	283.4	274.1	258.2	243.5	231.5
72.5°	264.8	250.2	238.2	227.6	220.9	211.6	200.9	190.3	174.3	159.7	149.0
75°	189.0	178.3	166.3	155.7	150.4	145.0	133.1	121.1	110.4	95.8	86.5
77.5°	127.7	117.1	106.5	97.1	90.5	86.5	78.5	69.2	59.9	51.9	45.2
80°	74.5	67.9	59.9	51.9	50.6	46.6	39.9	34.6	29.3	25.3	20.0
82.5°	35.9	31.9	26.6	22.6	20.0	18.6	16.0	13.3	10.6	9.3	9.3
85°	10.6	9.3	8.0	6.7	5.3	5.3	4.0	4.0	4.0	4.0	4.0
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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: P684588

CATALOG NUMBER: LX6C75D010 EX6C759050 6LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8
2.5°	3948.2	3946.9	3945.5	3944.2	3941.5	3941.5	3937.5	3934.9	3934.9	3932.2	3930.9
5°	3913.6	3909.6	3908.3	3905.6	3902.9	3901.6	3896.3	3895.0	3892.3	3889.6	3889.6
7.5°	3864.4	3859.0	3853.7	3851.1	3849.7	3845.7	3843.1	3841.7	3837.7	3835.1	3829.8
10°	3799.2	3795.2	3788.5	3785.8	3783.2	3780.5	3773.9	3769.9	3768.5	3765.9	3763.2
12.5°	3723.3	3718.0	3711.3	3706.0	3703.3	3699.4	3692.7	3688.7	3688.7	3683.4	3683.4
15°	3642.1	3634.1	3622.2	3616.8	3615.5	3607.5	3602.2	3596.9	3590.2	3587.6	3587.6
17.5°	3538.3	3525.0	3514.4	3514.4	3509.1	3501.1	3493.1	3489.1	3485.1	3479.8	3477.1
20°	3415.9	3406.6	3394.6	3394.6	3382.6	3380.0	3372.0	3370.7	3361.4	3362.7	3358.7
22.5°	3268.2	3262.9	3256.2	3250.9	3244.3	3236.3	3232.3	3233.6	3229.6	3228.3	3227.0
25°	3119.2	3104.5	3096.5	3093.9	3091.2	3084.6	3081.9	3080.6	3080.6	3076.6	3077.9
27.5°	2947.5	2936.9	2926.2	2930.2	2924.9	2920.9	2918.2	2914.2	2916.9	2915.6	2916.9
30°	2771.9	2758.5	2751.9	2754.6	2753.2	2742.6	2747.9	2746.6	2747.9	2747.9	2750.6
32.5°	2586.9	2577.6	2576.2	2577.6	2565.6	2566.9	2561.6	2569.6	2570.9	2578.9	2572.2
35°	2399.3	2393.9	2384.6	2383.3	2384.6	2383.3	2383.3	2388.6	2387.3	2395.3	2392.6
37.5°	2206.3	2203.6	2194.3	2197.0	2191.7	2201.0	2203.6	2201.0	2210.3	2207.6	2206.3
40°	2017.3	2013.4	2008.0	2018.7	2012.0	2006.7	2016.0	2008.0	2010.7	2018.7	2018.7
42.5°	1825.7	1819.1	1819.1	1819.1	1817.7	1817.7	1821.7	1825.7	1823.1	1824.4	1835.0
45°	1632.8	1631.4	1627.4	1630.1	1628.8	1635.4	1635.4	1638.1	1643.4	1648.7	1646.1
47.5°	1446.5	1443.8	1447.8	1445.1	1446.5	1442.5	1445.1	1453.1	1459.8	1450.5	1459.8
50°	1272.2	1266.8	1265.5	1269.5	1268.2	1266.8	1269.5	1269.5	1266.8	1266.8	1276.1
52.5°	1105.8	1100.5	1096.5	1103.2	1099.2	1100.5	1095.2	1095.2	1097.8	1095.2	1091.2
55°	950.1	946.1	940.8	943.5	936.8	935.5	930.2	930.2	926.2	923.5	915.5
57.5°	801.1	798.4	786.4	785.1	786.4	777.1	767.8	763.8	753.2	750.5	749.2
60°	669.3	654.7	648.1	640.1	634.7	630.8	620.1	613.5	597.5	588.2	586.8
62.5°	532.3	525.6	517.6	505.7	503.0	489.7	479.1	461.8	453.8	441.8	429.8
65°	421.8	404.5	392.6	385.9	375.3	363.3	351.3	332.7	323.4	308.7	296.7
67.5°	308.7	294.1	278.1	272.8	263.5	248.8	236.9	220.9	212.9	199.6	195.6
70°	211.6	198.3	186.3	178.3	171.7	157.0	145.0	139.7	131.7	129.1	129.1
72.5°	135.7	123.8	110.4	106.5	101.1	93.1	85.2	82.5	85.2	83.8	83.8
75°	75.9	69.2	59.9	55.9	55.9	53.2	51.9	51.9	51.9	51.9	51.9
77.5°	38.6	34.6	31.9	30.6	30.6	30.6	31.9	31.9	31.9	33.3	31.9
80°	18.6	17.3	17.3	17.3	18.6	18.6	18.6	18.6	18.6	20.0	18.6
82.5°	9.3	9.3	9.3	9.3	9.3	9.3	10.6	10.6	10.6	10.6	10.6
85°	4.0	4.0	4.0	4.0	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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: P684588

CATALOG NUMBER: LX6C75D010 EX6C759050 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8	3958.8
2.5°	3929.6	3926.9	3926.9	3925.6	3925.6	3925.6	3925.6	3926.9
5°	3887.0	3885.7	3885.7	3883.0	3883.0	3883.0	3883.0	3883.0
7.5°	3829.8	3827.1	3828.4	3825.8	3825.8	3827.1	3825.8	3824.4
10°	3759.2	3757.9	3759.2	3759.2	3756.6	3755.2	3756.6	3757.9
12.5°	3679.4	3678.1	3675.4	3676.7	3676.7	3675.4	3674.1	3671.4
15°	3586.2	3584.9	3583.6	3582.3	3580.9	3582.3	3580.9	3578.3
17.5°	3477.1	3477.1	3475.8	3474.5	3473.1	3470.5	3471.8	3475.8
20°	3360.0	3358.7	3356.0	3357.4	3352.0	3349.4	3350.7	3354.7
22.5°	3225.6	3221.6	3224.3	3220.3	3220.3	3221.6	3220.3	3217.6
25°	3079.2	3073.9	3076.6	3077.9	3077.9	3076.6	3075.3	3076.6
27.5°	2916.9	2920.9	2920.9	2918.2	2922.2	2916.9	2919.6	2920.9
30°	2750.6	2746.6	2745.2	2750.6	2758.5	2751.9	2751.9	2753.2
32.5°	2578.9	2573.6	2573.6	2576.2	2574.9	2574.9	2580.2	2573.6
35°	2395.3	2397.9	2387.3	2393.9	2396.6	2393.9	2395.3	2395.3
37.5°	2210.3	2207.6	2207.6	2207.6	2211.6	2211.6	2214.3	2213.0
40°	2028.0	2022.7	2021.3	2024.0	2018.7	2022.7	2022.7	2018.7
42.5°	1831.0	1832.4	1839.0	1832.4	1833.7	1832.4	1829.7	1828.4
45°	1648.7	1652.7	1650.1	1648.7	1650.1	1644.7	1646.1	1650.1
47.5°	1455.8	1463.8	1455.8	1461.1	1459.8	1457.1	1454.5	1449.1
50°	1274.8	1277.5	1276.1	1274.8	1273.5	1272.2	1265.5	1261.5
52.5°	1089.8	1089.8	1089.8	1089.8	1076.5	1083.2	1080.5	1072.5
55°	908.9	912.9	907.5	907.5	898.2	898.2	895.6	896.9
57.5°	734.5	730.6	726.6	726.6	717.2	713.3	709.3	703.9
60°	572.2	568.2	562.9	556.2	546.9	546.9	544.3	533.6
62.5°	419.2	412.5	408.5	403.2	395.2	389.9	385.9	388.6
65°	287.4	280.8	275.5	275.5	275.5	272.8	271.5	271.5
67.5°	189.0	193.0	190.3	193.0	193.0	190.3	189.0	191.6
70°	130.4	130.4	129.1	129.1	129.1	129.1	127.7	129.1
72.5°	83.8	83.8	83.8	85.2	83.8	83.8	85.2	85.2
75°	53.2	53.2	53.2	54.6	53.2	53.2	54.6	53.2
77.5°	31.9	33.3	33.3	33.3	33.3	31.9	33.3	33.3
80°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
82.5°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
85°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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)