

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: P684574

Luminaire Tested: **LX6C75D010 EX6C759035 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684574
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 EX6C759035 6LBLWWH
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

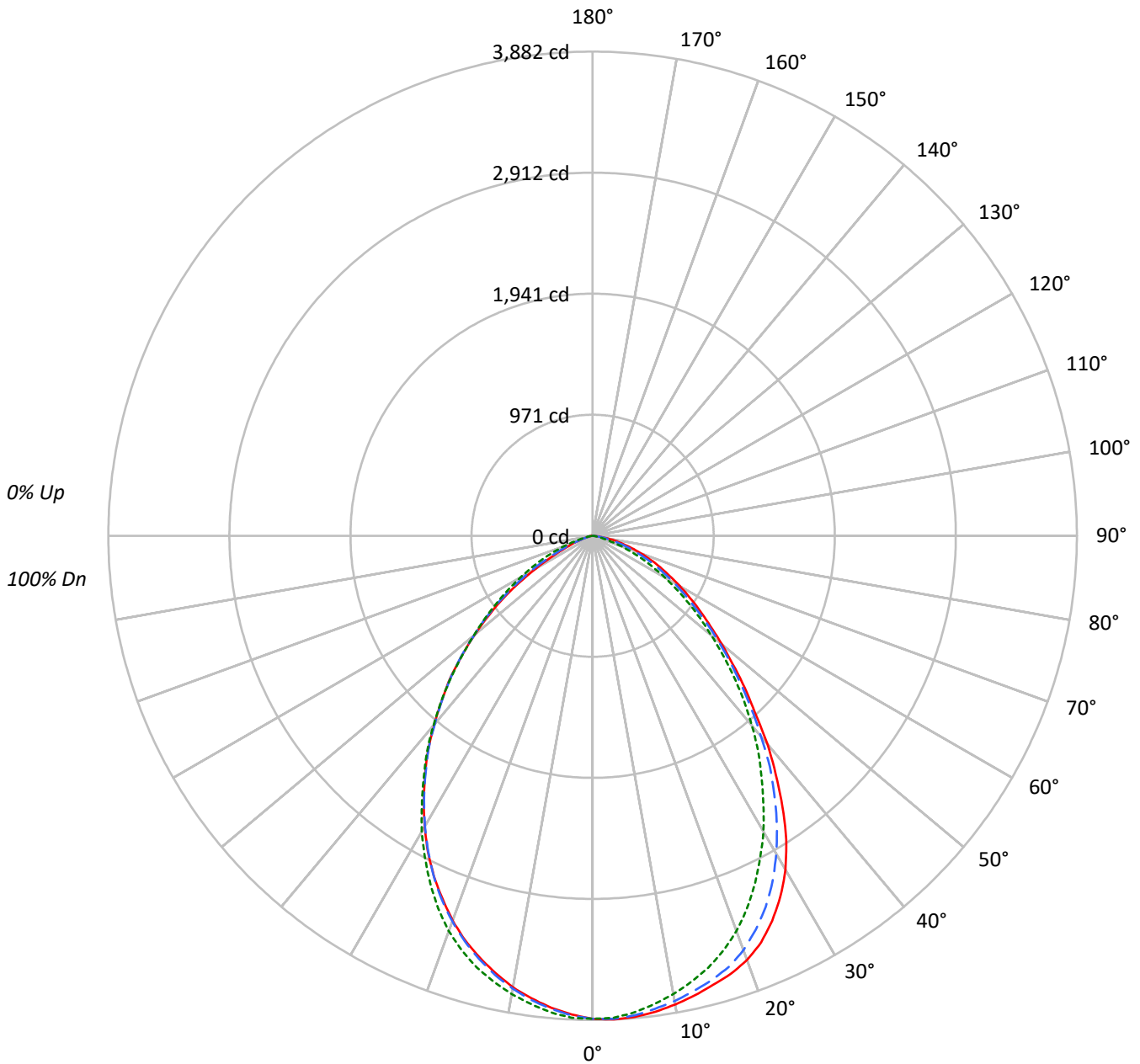
Lumens per Lamp: N/A
Luminaire Lumens: 7045.0 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	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°	212324	212324	212324
5°	213064	211126	209052
10°	212410	207700	204656
15°	211613	203412	198679
20°	211138	196711	191467
25°	206002	186156	182061
30°	195726	173387	170507
35°	177647	157872	156828
40°	155863	142080	141329
45°	133634	124145	125153
50°	115024	105813	105259
55°	100536	89335	83868
60°	88359	73229	57243
65°	77349	56738	34452
70°	65941	38180	20244
75°	53228	19846	11035
80°	37000	7798	6156
85°	14718	2453	3271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.9	5.2
10°-20°	1013.4	14.4
20°-30°	1442.1	20.5
30°-40°	1517.8	21.5
40°-50°	1264.9	18.0
50°-60°	854.6	12.1
60°-70°	433.3	6.2
70°-80°	139.9	2.0
80°-90°	16.1	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°	2818.4	40.0
0°-40°	4336.3	61.6
0°-60°	6455.8	91.6
0°-90°	7045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7045.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	3873	3873	3873	3873	3873	
5°	3872	3860	3837	3808	3799	368
15°	3729	3688	3584	3512	3501	1053
25°	3406	3282	3078	3014	3010	1561
35°	2654	2540	2359	2336	2343	1652
45°	1724	1679	1601	1608	1614	1334
55°	1052	1001	935	906	878	947
65°	596	538	437	316	266	593
75°	251	197	94	51	52	271
85°	23	13	4	5	5	40
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°	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1
2.5°	3882.2	3882.2	3882.2	3882.2	3882.2	3882.2	3880.9	3880.9	3878.3	3878.3	3877.0
5°	3871.8	3873.1	3873.1	3871.8	3871.8	3869.2	3869.2	3867.9	3864.0	3861.4	3860.1
7.5°	3849.6	3849.6	3848.3	3847.0	3845.7	3841.8	3840.5	3836.6	3834.0	3831.4	3826.2
10°	3815.8	3815.8	3814.5	3811.9	3810.6	3808.0	3808.0	3802.8	3797.6	3791.1	3787.2
12.5°	3775.4	3776.7	3774.1	3772.8	3768.9	3767.6	3765.0	3758.5	3754.6	3746.8	3740.3
15°	3728.6	3731.2	3731.2	3726.0	3722.1	3720.8	3716.9	3712.9	3703.8	3696.0	3688.2
17.5°	3683.0	3685.6	3683.0	3679.1	3675.2	3670.0	3667.4	3659.6	3647.9	3637.4	3625.7
20°	3619.2	3623.1	3617.9	3611.4	3603.6	3602.3	3598.4	3585.4	3568.4	3552.8	3535.9
22.5°	3529.4	3526.8	3522.9	3520.3	3507.2	3499.4	3494.2	3477.3	3459.1	3438.2	3417.4
25°	3405.7	3410.9	3403.1	3391.4	3384.9	3377.1	3364.0	3345.8	3328.9	3306.8	3282.0
27.5°	3259.9	3259.9	3249.5	3245.6	3231.3	3220.8	3214.3	3196.1	3174.0	3151.8	3124.5
30°	3092.0	3084.1	3084.1	3065.9	3054.2	3050.3	3043.8	3013.8	2994.3	2970.9	2943.5
32.5°	2888.9	2887.6	2882.3	2870.6	2855.0	2842.0	2842.0	2821.2	2795.1	2766.5	2749.6
35°	2654.5	2655.8	2653.2	2640.2	2640.2	2624.6	2622.0	2603.7	2582.9	2560.8	2540.0
37.5°	2412.4	2417.6	2412.4	2405.9	2402.0	2400.7	2388.9	2375.9	2360.3	2347.3	2331.7
40°	2178.0	2170.2	2172.8	2159.8	2161.1	2158.5	2153.3	2136.4	2127.3	2114.2	2097.3
42.5°	1925.5	1933.3	1935.9	1928.1	1925.5	1920.3	1925.5	1919.0	1908.5	1902.0	1886.4
45°	1723.7	1715.9	1719.8	1717.2	1718.5	1708.1	1704.2	1701.5	1697.6	1685.9	1679.4
47.5°	1523.2	1524.5	1523.2	1518.0	1515.4	1515.4	1510.2	1502.4	1502.4	1494.6	1489.3
50°	1348.7	1348.7	1351.3	1344.8	1342.2	1337.0	1338.3	1330.5	1325.3	1318.8	1314.9
52.5°	1188.6	1189.9	1184.7	1186.0	1183.4	1183.4	1178.2	1173.0	1167.8	1156.1	1153.5
55°	1051.9	1053.2	1046.7	1049.3	1041.5	1037.6	1035.0	1027.2	1027.2	1015.5	1001.1
57.5°	924.3	923.0	921.7	917.8	912.6	908.7	904.8	895.7	891.8	884.0	872.3
60°	805.9	804.6	802.0	800.7	796.7	787.6	787.6	781.1	768.1	760.3	748.6
62.5°	693.9	693.9	692.6	688.7	684.8	680.9	678.3	673.1	660.1	650.9	640.5
65°	596.3	595.0	591.1	584.5	581.9	581.9	572.8	568.9	558.5	549.4	537.7
67.5°	502.5	497.3	494.7	496.0	488.2	488.2	480.4	473.9	464.8	449.1	440.0
70°	411.4	408.8	406.2	403.6	402.3	397.1	393.2	385.4	376.2	364.5	350.2
72.5°	329.4	329.4	325.5	322.9	319.0	313.8	311.1	304.6	294.2	281.2	270.8
75°	251.3	251.3	251.3	246.1	243.5	240.8	233.0	229.1	217.4	209.6	196.6
77.5°	184.9	182.3	178.4	177.1	174.5	171.8	167.9	161.4	151.0	141.9	134.1
80°	117.2	121.1	117.2	117.2	110.7	108.1	106.8	98.9	95.0	87.2	80.7
82.5°	65.1	66.4	63.8	62.5	58.6	57.3	57.3	52.1	49.5	44.3	40.4
85°	23.4	24.7	23.4	23.4	20.8	22.1	20.8	19.5	16.9	14.3	13.0
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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1
2.5°	3877.0	3874.4	3874.4	3873.1	3871.8	3871.8	3871.8	3870.5	3867.9	3867.9	3866.6
5°	3857.5	3854.8	3850.9	3848.3	3847.0	3845.7	3844.4	3843.1	3837.9	3836.6	3832.7
7.5°	3822.3	3819.7	3813.2	3810.6	3806.7	3805.4	3800.2	3797.6	3792.4	3787.2	3784.5
10°	3780.6	3774.1	3768.9	3762.4	3759.8	3755.9	3749.4	3741.6	3737.7	3731.2	3726.0
12.5°	3733.8	3726.0	3715.5	3707.7	3705.1	3698.6	3688.2	3681.7	3672.6	3662.2	3653.1
15°	3675.2	3666.1	3657.0	3642.6	3638.7	3630.9	3620.5	3607.5	3594.5	3584.1	3573.6
17.5°	3611.4	3597.1	3582.8	3567.1	3555.4	3551.5	3534.6	3516.4	3504.6	3486.4	3474.7
20°	3521.6	3502.0	3478.6	3463.0	3452.6	3440.9	3421.3	3401.8	3387.5	3371.9	3354.9
22.5°	3397.9	3379.7	3352.3	3328.9	3321.1	3304.2	3287.2	3269.0	3250.8	3233.9	3213.0
25°	3252.1	3232.6	3205.2	3181.8	3168.8	3161.0	3128.4	3110.2	3092.0	3077.6	3063.3
27.5°	3102.4	3067.2	3049.0	3012.5	3000.8	2998.2	2968.3	2948.7	2929.2	2909.7	2891.5
30°	2917.5	2890.2	2862.8	2836.8	2821.2	2812.0	2789.9	2765.2	2752.2	2739.1	2720.9
32.5°	2726.1	2701.4	2667.5	2642.8	2631.1	2618.1	2598.5	2581.6	2562.1	2547.8	2543.9
35°	2521.7	2494.4	2465.7	2447.5	2444.9	2429.3	2409.8	2395.4	2381.1	2359.0	2355.1
37.5°	2303.0	2287.4	2267.9	2241.8	2230.1	2230.1	2210.6	2200.2	2181.9	2180.6	2170.2
40°	2088.2	2081.7	2051.8	2043.9	2041.3	2023.1	2017.9	1999.7	1986.7	1985.4	1969.7
42.5°	1876.0	1859.1	1853.9	1840.9	1829.1	1826.5	1814.8	1807.0	1801.8	1794.0	1786.2
45°	1665.1	1661.2	1648.2	1639.1	1635.2	1629.9	1626.0	1610.4	1607.8	1601.3	1597.4
47.5°	1482.8	1472.4	1460.7	1450.3	1449.0	1441.2	1432.1	1432.1	1417.7	1416.4	1413.8
50°	1301.9	1294.1	1287.6	1273.2	1275.8	1265.4	1264.1	1252.4	1245.9	1240.7	1247.2
52.5°	1143.0	1127.4	1124.8	1113.1	1109.2	1110.5	1096.2	1092.3	1089.7	1084.5	1081.9
55°	992.0	984.2	973.8	966.0	959.5	953.0	947.8	947.8	933.4	934.7	928.2
57.5°	859.2	852.7	839.7	828.0	825.4	817.6	811.1	804.6	803.3	794.1	787.6
60°	740.8	729.0	712.1	706.9	699.1	692.6	686.1	678.3	674.4	667.9	656.1
62.5°	630.1	610.6	604.1	593.7	584.5	580.6	570.2	561.1	554.6	545.5	536.4
65°	524.7	510.3	498.6	486.9	485.6	475.2	466.1	458.3	445.2	437.4	420.5
67.5°	428.3	415.3	402.3	390.6	381.4	378.8	364.5	355.4	346.3	330.7	316.4
70°	339.8	326.8	316.4	302.0	298.1	287.7	277.3	268.2	252.6	238.2	226.5
72.5°	259.1	244.8	233.0	222.6	216.1	207.0	196.6	186.2	170.5	156.2	145.8
75°	184.9	174.5	162.7	152.3	147.1	141.9	130.2	118.5	108.1	93.7	84.6
77.5°	125.0	114.6	104.1	95.0	88.5	84.6	76.8	67.7	58.6	50.8	44.3
80°	72.9	66.4	58.6	50.8	49.5	45.6	39.1	33.8	28.6	24.7	19.5
82.5°	35.2	31.2	26.0	22.1	19.5	18.2	15.6	13.0	10.4	9.1	9.1
85°	10.4	9.1	7.8	6.5	5.2	5.2	3.9	3.9	3.9	3.9	3.9
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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1
2.5°	3862.7	3861.4	3860.1	3858.8	3856.2	3856.2	3852.2	3849.6	3849.6	3847.0	3845.7
5°	3828.8	3824.9	3823.6	3821.0	3818.4	3817.1	3811.9	3810.6	3808.0	3805.4	3805.4
7.5°	3780.6	3775.4	3770.2	3767.6	3766.3	3762.4	3759.8	3758.5	3754.6	3752.0	3746.8
10°	3716.9	3712.9	3706.4	3703.8	3701.2	3698.6	3692.1	3688.2	3686.9	3684.3	3681.7
12.5°	3642.6	3637.4	3630.9	3625.7	3623.1	3619.2	3612.7	3608.8	3608.8	3603.6	3603.6
15°	3563.2	3555.4	3543.7	3538.5	3537.2	3529.4	3524.2	3519.0	3512.5	3509.9	3509.9
17.5°	3461.7	3448.7	3438.2	3438.2	3433.0	3425.2	3417.4	3413.5	3409.6	3404.4	3401.8
20°	3341.9	3332.8	3321.1	3321.1	3309.4	3306.8	3298.9	3297.6	3288.5	3289.8	3285.9
22.5°	3197.4	3192.2	3185.7	3180.5	3174.0	3166.2	3162.3	3163.6	3159.6	3158.3	3157.0
25°	3051.6	3037.3	3029.5	3026.9	3024.3	3017.7	3015.1	3013.8	3013.8	3009.9	3011.2
27.5°	2883.7	2873.2	2862.8	2866.7	2861.5	2857.6	2855.0	2851.1	2853.7	2852.4	2853.7
30°	2711.8	2698.8	2692.3	2694.9	2693.6	2683.2	2688.4	2687.1	2688.4	2688.4	2691.0
32.5°	2530.8	2521.7	2520.4	2521.7	2510.0	2511.3	2506.1	2513.9	2515.2	2523.0	2516.5
35°	2347.3	2342.1	2333.0	2331.7	2333.0	2331.7	2331.7	2336.9	2335.6	2343.4	2340.8
37.5°	2158.5	2155.9	2146.8	2149.4	2144.2	2153.3	2155.9	2153.3	2162.4	2159.8	2158.5
40°	1973.6	1969.7	1964.5	1974.9	1968.4	1963.2	1972.3	1964.5	1967.1	1974.9	1974.9
42.5°	1786.2	1779.7	1779.7	1779.7	1778.4	1778.4	1782.3	1786.2	1783.6	1784.9	1795.3
45°	1597.4	1596.1	1592.2	1594.8	1593.5	1600.0	1600.0	1602.6	1607.8	1613.0	1610.4
47.5°	1415.1	1412.5	1416.4	1413.8	1415.1	1411.2	1413.8	1421.6	1428.2	1419.0	1428.2
50°	1244.6	1239.4	1238.1	1242.0	1240.7	1239.4	1242.0	1242.0	1239.4	1239.4	1248.5
52.5°	1081.9	1076.6	1072.7	1079.3	1075.3	1076.6	1071.4	1071.4	1074.0	1071.4	1067.5
55°	929.5	925.6	920.4	923.0	916.5	915.2	910.0	910.0	906.1	903.5	895.7
57.5°	783.7	781.1	769.4	768.1	769.4	760.3	751.2	747.3	736.9	734.3	733.0
60°	654.8	640.5	634.0	626.2	621.0	617.1	606.7	600.2	584.5	575.4	574.1
62.5°	520.7	514.2	506.4	494.7	492.1	479.1	468.7	451.8	443.9	432.2	420.5
65°	412.7	395.8	384.1	377.5	367.1	355.4	343.7	325.5	316.4	302.0	290.3
67.5°	302.0	287.7	272.1	266.9	257.8	243.5	231.7	216.1	208.3	195.3	191.4
70°	207.0	194.0	182.3	174.5	167.9	153.6	141.9	136.7	128.9	126.3	126.3
72.5°	132.8	121.1	108.1	104.1	98.9	91.1	83.3	80.7	83.3	82.0	82.0
75°	74.2	67.7	58.6	54.7	54.7	52.1	50.8	50.8	50.8	50.8	50.8
77.5°	37.8	33.8	31.2	29.9	29.9	29.9	31.2	31.2	31.2	32.5	31.2
80°	18.2	16.9	16.9	16.9	18.2	18.2	18.2	18.2	18.2	19.5	18.2
82.5°	9.1	9.1	9.1	9.1	9.1	9.1	10.4	10.4	10.4	10.4	10.4
85°	3.9	3.9	3.9	3.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2
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: P684574

CATALOG NUMBER: LX6C75D010 EX6C759035 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1	3873.1
2.5°	3844.4	3841.8	3841.8	3840.5	3840.5	3840.5	3840.5	3841.8
5°	3802.8	3801.5	3801.5	3798.9	3798.9	3798.9	3798.9	3798.9
7.5°	3746.8	3744.2	3745.5	3742.9	3742.9	3744.2	3742.9	3741.6
10°	3677.8	3676.5	3677.8	3677.8	3675.2	3673.9	3675.2	3676.5
12.5°	3599.7	3598.4	3595.8	3597.1	3597.1	3595.8	3594.5	3591.9
15°	3508.6	3507.2	3505.9	3504.6	3503.3	3504.6	3503.3	3500.7
17.5°	3401.8	3401.8	3400.5	3399.2	3397.9	3395.3	3396.6	3400.5
20°	3287.2	3285.9	3283.3	3284.6	3279.4	3276.8	3278.1	3282.0
22.5°	3155.7	3151.8	3154.4	3150.5	3150.5	3151.8	3150.5	3147.9
25°	3012.5	3007.3	3009.9	3011.2	3011.2	3009.9	3008.6	3009.9
27.5°	2853.7	2857.6	2857.6	2855.0	2858.9	2853.7	2856.3	2857.6
30°	2691.0	2687.1	2685.8	2691.0	2698.8	2692.3	2692.3	2693.6
32.5°	2523.0	2517.8	2517.8	2520.4	2519.1	2519.1	2524.3	2517.8
35°	2343.4	2346.0	2335.6	2342.1	2344.7	2342.1	2343.4	2343.4
37.5°	2162.4	2159.8	2159.8	2159.8	2163.7	2163.7	2166.3	2165.0
40°	1984.1	1978.8	1977.5	1980.2	1974.9	1978.8	1978.8	1974.9
42.5°	1791.4	1792.7	1799.2	1792.7	1794.0	1792.7	1790.1	1788.8
45°	1613.0	1616.9	1614.3	1613.0	1614.3	1609.1	1610.4	1614.3
47.5°	1424.3	1432.1	1424.3	1429.5	1428.2	1425.6	1422.9	1417.7
50°	1247.2	1249.8	1248.5	1247.2	1245.9	1244.6	1238.1	1234.2
52.5°	1066.2	1066.2	1066.2	1066.2	1053.2	1059.7	1057.1	1049.3
55°	889.2	893.1	887.9	887.9	878.8	878.8	876.2	877.5
57.5°	718.6	714.7	710.8	710.8	701.7	697.8	693.9	688.7
60°	559.8	555.9	550.7	544.2	535.1	535.1	532.5	522.1
62.5°	410.1	403.6	399.7	394.5	386.7	381.4	377.5	380.1
65°	281.2	274.7	269.5	269.5	269.5	266.9	265.6	265.6
67.5°	184.9	188.8	186.2	188.8	188.8	186.2	184.9	187.5
70°	127.6	127.6	126.3	126.3	126.3	126.3	125.0	126.3
72.5°	82.0	82.0	82.0	83.3	82.0	82.0	83.3	83.3
75°	52.1	52.1	52.1	53.4	52.1	52.1	53.4	52.1
77.5°	31.2	32.5	32.5	32.5	32.5	31.2	32.5	32.5
80°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
82.5°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
85°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
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



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













(END OF REPORT)