

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: P684003

Luminaire Tested: **LX6C130D010 EX6C1309035 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684003
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: LX6C130D010 EX6C1309035 6LBLWWH
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

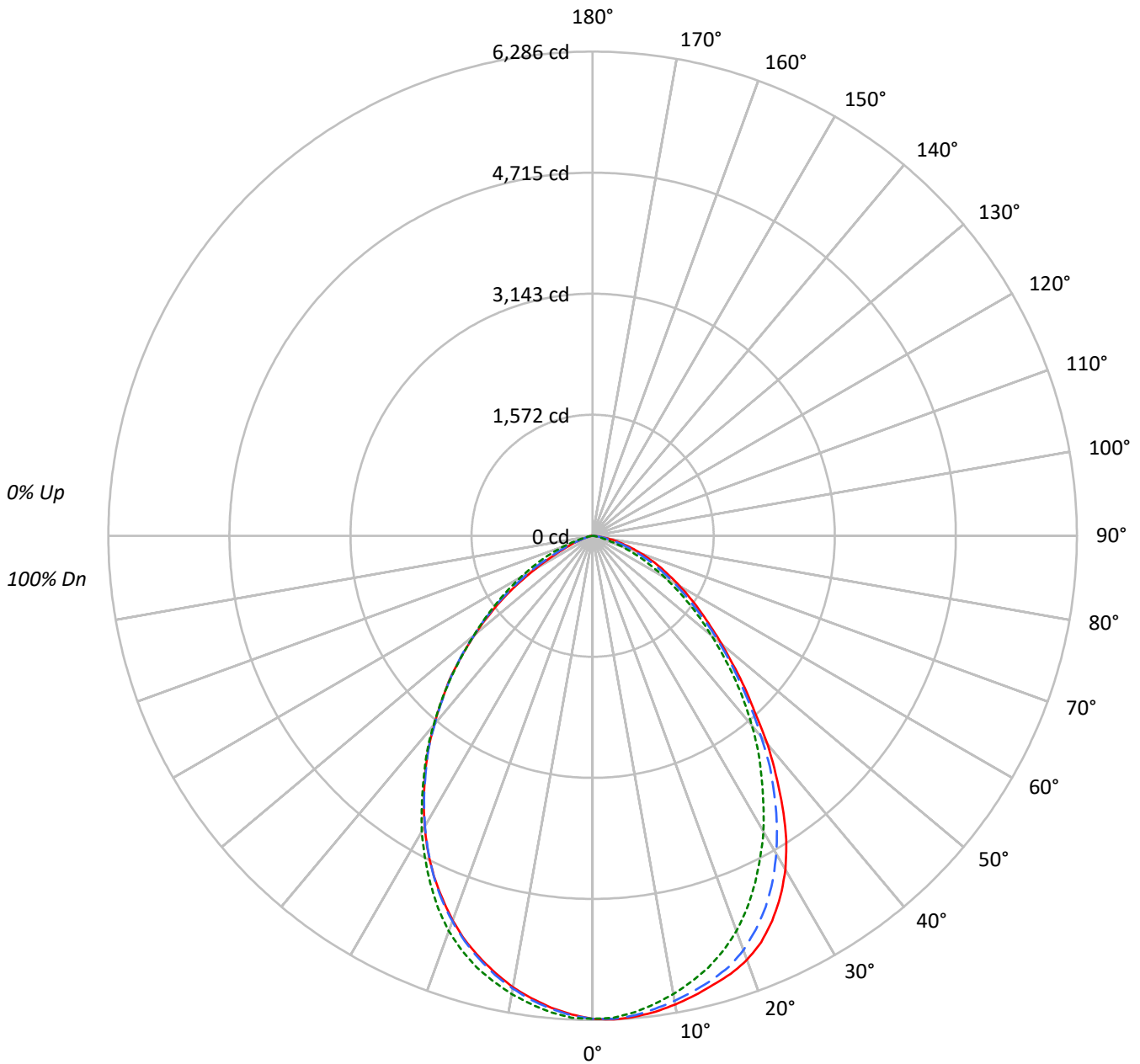
Lumens per Lamp: N/A
Luminaire Lumens: 11407.0 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 144.3
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: P684003

CATALOG NUMBER: LX6C130D010 EX6C1309035 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°	343783	343783	343783
5°	344980	341849	338487
10°	343926	336300	331368
15°	342635	329355	321699
20°	341869	318504	310016
25°	333552	301421	294791
30°	316910	280746	276074
35°	287642	255619	253926
40°	252373	230045	228843
45°	216371	201013	202649
50°	186245	171329	170425
55°	162785	144654	135794
60°	143059	118565	92679
65°	125227	91878	55778
70°	106765	61837	32778
75°	86164	32153	17855
80°	59888	12659	9976
85°	23839	3963	5284



TEST NUMBER: P684003

CATALOG NUMBER: LX6C130D010 EX6C1309035 6LBLWWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	587.6	5.2
10°-20°	1640.9	14.4
20°-30°	2335.0	20.5
30°-40°	2457.6	21.5
40°-50°	2048.1	18.0
50°-60°	1383.7	12.1
60°-70°	701.6	6.2
70°-80°	226.5	2.0
80°-90°	26.0	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°	4563.5	40.0
0°-40°	7021.1	61.6
0°-60°	10453.0	91.6
0°-90°	11407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11407.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6271	6271	6271	6271	6271	
5°	6269	6250	6212	6166	6151	595
15°	6037	5972	5803	5687	5668	1706
25°	5514	5314	4983	4880	4874	2527
35°	4298	4113	3820	3782	3794	2675
45°	2791	2719	2593	2603	2614	2160
55°	1703	1621	1514	1467	1421	1533
65°	965	871	708	512	430	961
75°	407	318	152	82	84	439
85°	38	21	6	8	8	65
90°	0	0	0	0	0	



TEST NUMBER: P684003

CATALOG NUMBER: LX6C130D010 EX6C1309035 6LBLWWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1
2.5°	6285.9	6285.9	6285.9	6285.9	6285.9	6285.9	6283.8	6283.8	6279.6	6279.6	6277.5
5°	6269.0	6271.1	6271.1	6269.0	6269.0	6264.8	6264.8	6262.7	6256.4	6252.2	6250.1
7.5°	6233.2	6233.2	6231.1	6229.0	6226.9	6220.5	6218.4	6212.1	6207.9	6203.7	6195.3
10°	6178.4	6178.4	6176.3	6172.1	6170.0	6165.7	6165.7	6157.3	6148.9	6138.3	6132.0
12.5°	6113.0	6115.2	6110.9	6108.8	6102.5	6100.4	6096.2	6085.6	6079.3	6066.7	6056.1
15°	6037.2	6041.4	6041.4	6032.9	6026.6	6024.5	6018.2	6011.9	5997.1	5984.5	5971.8
17.5°	5963.4	5967.6	5963.4	5957.1	5950.7	5942.3	5938.1	5925.4	5906.5	5889.6	5870.6
20°	5860.1	5866.4	5858.0	5847.4	5834.8	5832.7	5826.4	5805.3	5777.9	5752.6	5725.2
22.5°	5714.6	5710.4	5704.1	5699.9	5678.8	5666.2	5657.7	5630.3	5600.8	5567.1	5533.4
25°	5514.4	5522.8	5510.2	5491.2	5480.7	5468.0	5446.9	5417.4	5390.0	5354.2	5314.1
27.5°	5278.3	5278.3	5261.4	5255.1	5231.9	5215.1	5204.5	5175.0	5139.2	5103.3	5059.1
30°	5006.4	4993.7	4993.7	4964.2	4945.2	4938.9	4928.4	4879.9	4848.3	4810.3	4766.1
32.5°	4677.5	4675.4	4667.0	4648.0	4622.7	4601.6	4601.6	4567.9	4525.8	4479.4	4452.0
35°	4298.1	4300.2	4296.0	4274.9	4274.9	4249.6	4245.4	4215.9	4182.2	4146.3	4112.6
37.5°	3906.0	3914.5	3906.0	3895.5	3889.2	3887.1	3868.1	3847.0	3821.7	3800.6	3775.3
40°	3526.6	3513.9	3518.2	3497.1	3499.2	3495.0	3486.5	3459.1	3444.4	3423.3	3395.9
42.5°	3117.7	3130.3	3134.5	3121.9	3117.7	3109.2	3117.7	3107.1	3090.2	3079.7	3054.4
45°	2790.9	2778.3	2784.6	2780.4	2782.5	2765.6	2759.3	2755.1	2748.8	2729.8	2719.3
47.5°	2466.3	2468.4	2466.3	2457.9	2453.6	2453.6	2445.2	2432.6	2432.6	2419.9	2411.5
50°	2183.8	2183.8	2188.0	2177.5	2173.3	2164.9	2167.0	2154.3	2145.9	2135.3	2129.0
52.5°	1924.6	1926.7	1918.2	1920.3	1916.1	1916.1	1907.7	1899.3	1890.8	1871.9	1867.6
55°	1703.2	1705.3	1694.8	1699.0	1686.4	1680.0	1675.8	1663.2	1663.2	1644.2	1621.0
57.5°	1496.6	1494.5	1492.4	1486.1	1477.7	1471.3	1465.0	1450.3	1443.9	1431.3	1412.3
60°	1304.8	1302.7	1298.5	1296.4	1290.1	1275.3	1275.3	1264.8	1243.7	1231.0	1212.1
62.5°	1123.5	1123.5	1121.4	1115.1	1108.8	1102.5	1098.2	1089.8	1068.7	1054.0	1037.1
65°	965.4	963.3	957.0	946.5	942.3	942.3	927.5	921.2	904.3	889.6	870.6
67.5°	813.7	805.2	801.0	803.1	790.5	790.5	777.8	767.3	752.5	727.2	712.5
70°	666.1	661.9	657.7	653.5	651.4	642.9	636.6	624.0	609.2	590.2	567.0
72.5°	533.3	533.3	527.0	522.8	516.4	508.0	503.8	493.3	476.4	455.3	438.5
75°	406.8	406.8	406.8	398.4	394.2	390.0	377.3	371.0	352.0	339.4	318.3
77.5°	299.3	295.1	288.8	286.7	282.5	278.2	271.9	261.4	244.5	229.8	217.1
80°	189.7	196.0	189.7	189.7	179.2	175.0	172.9	160.2	153.9	141.2	130.7
82.5°	105.4	107.5	103.3	101.2	94.9	92.7	92.7	84.3	80.1	71.7	65.3
85°	37.9	40.1	37.9	37.9	33.7	35.8	33.7	31.6	27.4	23.2	21.1
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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: P684003

CATALOG NUMBER: LX6C130D010 EX6C1309035 6LBLWWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1
2.5°	6277.5	6273.2	6273.2	6271.1	6269.0	6269.0	6269.0	6266.9	6262.7	6262.7	6260.6
5°	6245.8	6241.6	6235.3	6231.1	6229.0	6226.9	6224.8	6222.7	6214.2	6212.1	6205.8
7.5°	6188.9	6184.7	6174.2	6170.0	6163.6	6161.5	6153.1	6148.9	6140.4	6132.0	6127.8
10°	6121.5	6110.9	6102.5	6092.0	6087.7	6081.4	6070.9	6058.2	6051.9	6041.4	6032.9
12.5°	6045.6	6032.9	6016.1	6003.4	5999.2	5988.7	5971.8	5961.3	5946.5	5929.7	5914.9
15°	5950.7	5936.0	5921.2	5898.0	5891.7	5879.1	5862.2	5841.1	5820.0	5803.2	5786.3
17.5°	5847.4	5824.3	5801.1	5775.8	5756.8	5750.5	5723.1	5693.6	5674.6	5645.1	5626.1
20°	5702.0	5670.4	5632.4	5607.1	5590.3	5571.3	5539.7	5508.1	5484.9	5459.6	5432.2
22.5°	5501.7	5472.2	5428.0	5390.0	5377.4	5350.0	5322.6	5293.1	5263.5	5236.1	5202.4
25°	5265.6	5234.0	5189.8	5151.8	5130.7	5118.1	5065.4	5035.9	5006.4	4983.2	4960.0
27.5°	5023.2	4966.3	4936.8	4877.8	4858.8	4854.6	4806.1	4774.5	4742.9	4711.3	4681.7
30°	4723.9	4679.6	4635.4	4593.2	4567.9	4553.2	4517.3	4477.3	4456.2	4435.1	4405.6
32.5°	4414.0	4374.0	4319.2	4279.1	4260.2	4239.1	4207.5	4180.1	4148.4	4125.3	4118.9
35°	4083.1	4038.8	3992.4	3962.9	3958.7	3933.4	3901.8	3878.6	3855.4	3819.6	3813.3
37.5°	3729.0	3703.7	3672.0	3629.9	3610.9	3610.9	3579.3	3562.4	3532.9	3530.8	3513.9
40°	3381.1	3370.6	3322.1	3309.5	3305.3	3275.7	3267.3	3237.8	3216.7	3214.6	3189.3
42.5°	3037.6	3010.1	3001.7	2980.6	2961.7	2957.4	2938.5	2925.8	2917.4	2904.7	2892.1
45°	2696.1	2689.7	2668.7	2653.9	2647.6	2639.1	2632.8	2607.5	2603.3	2592.8	2586.4
47.5°	2401.0	2384.1	2365.1	2348.3	2346.1	2333.5	2318.7	2318.7	2295.6	2293.4	2289.2
50°	2107.9	2095.3	2084.8	2061.6	2065.8	2048.9	2046.8	2027.8	2017.3	2008.9	2019.4
52.5°	1850.8	1825.5	1821.3	1802.3	1796.0	1798.1	1774.9	1768.6	1764.4	1755.9	1751.7
55°	1606.3	1593.6	1576.7	1564.1	1553.6	1543.0	1534.6	1534.6	1511.4	1513.5	1503.0
57.5°	1391.2	1380.7	1359.6	1340.7	1336.4	1323.8	1313.3	1302.7	1300.6	1285.8	1275.3
60°	1199.4	1180.4	1153.0	1144.6	1132.0	1121.4	1110.9	1098.2	1091.9	1081.4	1062.4
62.5°	1020.2	988.6	978.1	961.2	946.5	940.1	923.3	908.5	898.0	883.2	868.5
65°	849.5	826.3	807.3	788.4	786.3	769.4	754.6	742.0	720.9	708.3	680.9
67.5°	693.5	672.4	651.4	632.4	617.6	613.4	590.2	575.5	560.7	535.4	512.2
70°	550.2	529.1	512.2	489.0	482.7	465.9	449.0	434.2	408.9	385.8	366.8
72.5°	419.5	396.3	377.3	360.5	349.9	335.2	318.3	301.4	276.1	253.0	236.1
75°	299.3	282.5	263.5	246.6	238.2	229.8	210.8	191.8	175.0	151.8	137.0
77.5°	202.4	185.5	168.6	153.9	143.3	137.0	124.4	109.6	94.9	82.2	71.7
80°	118.0	107.5	94.9	82.2	80.1	73.8	63.2	54.8	46.4	40.1	31.6
82.5°	56.9	50.6	42.2	35.8	31.6	29.5	25.3	21.1	16.9	14.8	14.8
85°	16.9	14.8	12.6	10.5	8.4	8.4	6.3	6.3	6.3	6.3	6.3
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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: P684003

CATALOG NUMBER: LX6C130D010 EX6C1309035 6LBLWWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1
2.5°	6254.3	6252.2	6250.1	6248.0	6243.7	6243.7	6237.4	6233.2	6233.2	6229.0	6226.9
5°	6199.5	6193.1	6191.0	6186.8	6182.6	6180.5	6172.1	6170.0	6165.7	6161.5	6161.5
7.5°	6121.5	6113.0	6104.6	6100.4	6098.3	6092.0	6087.7	6085.6	6079.3	6075.1	6066.7
10°	6018.2	6011.9	6001.3	5997.1	5992.9	5988.7	5978.1	5971.8	5969.7	5965.5	5961.3
12.5°	5898.0	5889.6	5879.1	5870.6	5866.4	5860.1	5849.5	5843.2	5843.2	5834.8	5834.8
15°	5769.4	5756.8	5737.8	5729.4	5727.3	5714.6	5706.2	5697.8	5687.2	5683.0	5683.0
17.5°	5605.0	5583.9	5567.1	5567.1	5558.7	5546.0	5533.4	5527.0	5520.7	5512.3	5508.1
20°	5411.1	5396.3	5377.4	5377.4	5358.4	5354.2	5341.5	5339.4	5324.7	5326.8	5320.5
22.5°	5177.1	5168.7	5158.1	5149.7	5139.2	5126.5	5120.2	5122.3	5116.0	5113.9	5111.8
25°	4941.0	4917.8	4905.2	4901.0	4896.8	4886.2	4882.0	4879.9	4879.9	4873.6	4875.7
27.5°	4669.1	4652.2	4635.4	4641.7	4633.3	4626.9	4622.7	4616.4	4620.6	4618.5	4620.6
30°	4390.9	4369.8	4359.2	4363.4	4361.3	4344.5	4352.9	4350.8	4352.9	4352.9	4357.1
32.5°	4097.8	4083.1	4081.0	4083.1	4064.1	4066.2	4057.8	4070.4	4072.6	4085.2	4074.7
35°	3800.6	3792.2	3777.4	3775.3	3777.4	3775.3	3775.3	3783.8	3781.7	3794.3	3790.1
37.5°	3495.0	3490.8	3476.0	3480.2	3471.8	3486.5	3490.8	3486.5	3501.3	3497.1	3495.0
40°	3195.6	3189.3	3180.9	3197.8	3187.2	3178.8	3193.5	3180.9	3185.1	3197.8	3197.8
42.5°	2892.1	2881.6	2881.6	2881.6	2879.5	2879.5	2885.8	2892.1	2887.9	2890.0	2906.9
45°	2586.4	2584.3	2578.0	2582.2	2580.1	2590.7	2590.7	2594.9	2603.3	2611.7	2607.5
47.5°	2291.3	2287.1	2293.4	2289.2	2291.3	2285.0	2289.2	2301.9	2312.4	2297.7	2312.4
50°	2015.2	2006.8	2004.7	2011.0	2008.9	2006.8	2011.0	2011.0	2006.8	2006.8	2021.5
52.5°	1751.7	1743.3	1736.9	1747.5	1741.2	1743.3	1734.8	1734.8	1739.1	1734.8	1728.5
55°	1505.1	1498.7	1490.3	1494.5	1484.0	1481.9	1473.5	1473.5	1467.1	1462.9	1450.3
57.5°	1269.0	1264.8	1245.8	1243.7	1245.8	1231.0	1216.3	1210.0	1193.1	1188.9	1186.8
60°	1060.3	1037.1	1026.6	1013.9	1005.5	999.2	982.3	971.8	946.5	931.7	929.6
62.5°	843.2	832.6	820.0	801.0	796.8	775.7	758.9	731.5	718.8	699.8	680.9
65°	668.2	640.8	621.8	611.3	594.4	575.5	556.5	527.0	512.2	489.0	470.1
67.5°	489.0	465.9	440.6	432.1	417.4	394.2	375.2	349.9	337.3	316.2	309.9
70°	335.2	314.1	295.1	282.5	271.9	248.7	229.8	221.3	208.7	204.5	204.5
72.5°	215.0	196.0	175.0	168.6	160.2	147.6	134.9	130.7	134.9	132.8	132.8
75°	120.2	109.6	94.9	88.5	88.5	84.3	82.2	82.2	82.2	82.2	82.2
77.5°	61.1	54.8	50.6	48.5	48.5	48.5	50.6	50.6	50.6	52.7	50.6
80°	29.5	27.4	27.4	27.4	29.5	29.5	29.5	29.5	29.5	31.6	29.5
82.5°	14.8	14.8	14.8	14.8	14.8	14.8	16.9	16.9	16.9	16.9	16.9
85°	6.3	6.3	6.3	6.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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: P684003

CATALOG NUMBER: LX6C130D010 EX6C1309035 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1	6271.1
2.5°	6224.8	6220.5	6220.5	6218.4	6218.4	6218.4	6218.4	6220.5
5°	6157.3	6155.2	6155.2	6151.0	6151.0	6151.0	6151.0	6151.0
7.5°	6066.7	6062.5	6064.6	6060.3	6060.3	6062.5	6060.3	6058.2
10°	5954.9	5952.8	5954.9	5954.9	5950.7	5948.6	5950.7	5952.8
12.5°	5828.5	5826.4	5822.1	5824.3	5824.3	5822.1	5820.0	5815.8
15°	5680.9	5678.8	5676.7	5674.6	5672.5	5674.6	5672.5	5668.3
17.5°	5508.1	5508.1	5506.0	5503.8	5501.7	5497.5	5499.6	5506.0
20°	5322.6	5320.5	5316.2	5318.3	5309.9	5305.7	5307.8	5314.1
22.5°	5109.7	5103.3	5107.6	5101.2	5101.2	5103.3	5101.2	5097.0
25°	4877.8	4869.4	4873.6	4875.7	4875.7	4873.6	4871.5	4873.6
27.5°	4620.6	4626.9	4626.9	4622.7	4629.0	4620.6	4624.8	4626.9
30°	4357.1	4350.8	4348.7	4357.1	4369.8	4359.2	4359.2	4361.3
32.5°	4085.2	4076.8	4076.8	4081.0	4078.9	4078.9	4087.3	4076.8
35°	3794.3	3798.5	3781.7	3792.2	3796.4	3792.2	3794.3	3794.3
37.5°	3501.3	3497.1	3497.1	3497.1	3503.4	3503.4	3507.6	3505.5
40°	3212.5	3204.1	3202.0	3206.2	3197.8	3204.1	3204.1	3197.8
42.5°	2900.5	2902.6	2913.2	2902.6	2904.7	2902.6	2898.4	2896.3
45°	2611.7	2618.1	2613.9	2611.7	2613.9	2605.4	2607.5	2613.9
47.5°	2306.1	2318.7	2306.1	2314.5	2312.4	2308.2	2304.0	2295.6
50°	2019.4	2023.6	2021.5	2019.4	2017.3	2015.2	2004.7	1998.3
52.5°	1726.4	1726.4	1726.4	1726.4	1705.3	1715.9	1711.7	1699.0
55°	1439.7	1446.1	1437.6	1437.6	1422.9	1422.9	1418.6	1420.8
57.5°	1163.6	1157.3	1150.9	1150.9	1136.2	1129.9	1123.5	1115.1
60°	906.4	900.1	891.7	881.1	866.4	866.4	862.1	845.3
62.5°	664.0	653.5	647.1	638.7	626.1	617.6	611.3	615.5
65°	455.3	444.8	436.3	436.3	436.3	432.1	430.0	430.0
67.5°	299.3	305.7	301.4	305.7	305.7	301.4	299.3	303.5
70°	206.6	206.6	204.5	204.5	204.5	204.5	202.4	204.5
72.5°	132.8	132.8	132.8	134.9	132.8	132.8	134.9	134.9
75°	84.3	84.3	84.3	86.4	84.3	84.3	86.4	84.3
77.5°	50.6	52.7	52.7	52.7	52.7	50.6	52.7	52.7
80°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
82.5°	16.9	16.9	16.9	16.9	16.9	16.9	16.9	16.9
85°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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)