

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: P#

Luminaire Tested: **LX6C120D010 EX6C1209030 6LBSQLWWLI**

Issue Date: 2/18/2022

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)
Test Lab: INNOVATION CENTER
Issue Date: 2/18/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C120D010 EX6C1209030 6LBSQLWWLI
Description: 6 INCH 12000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LBSQLWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

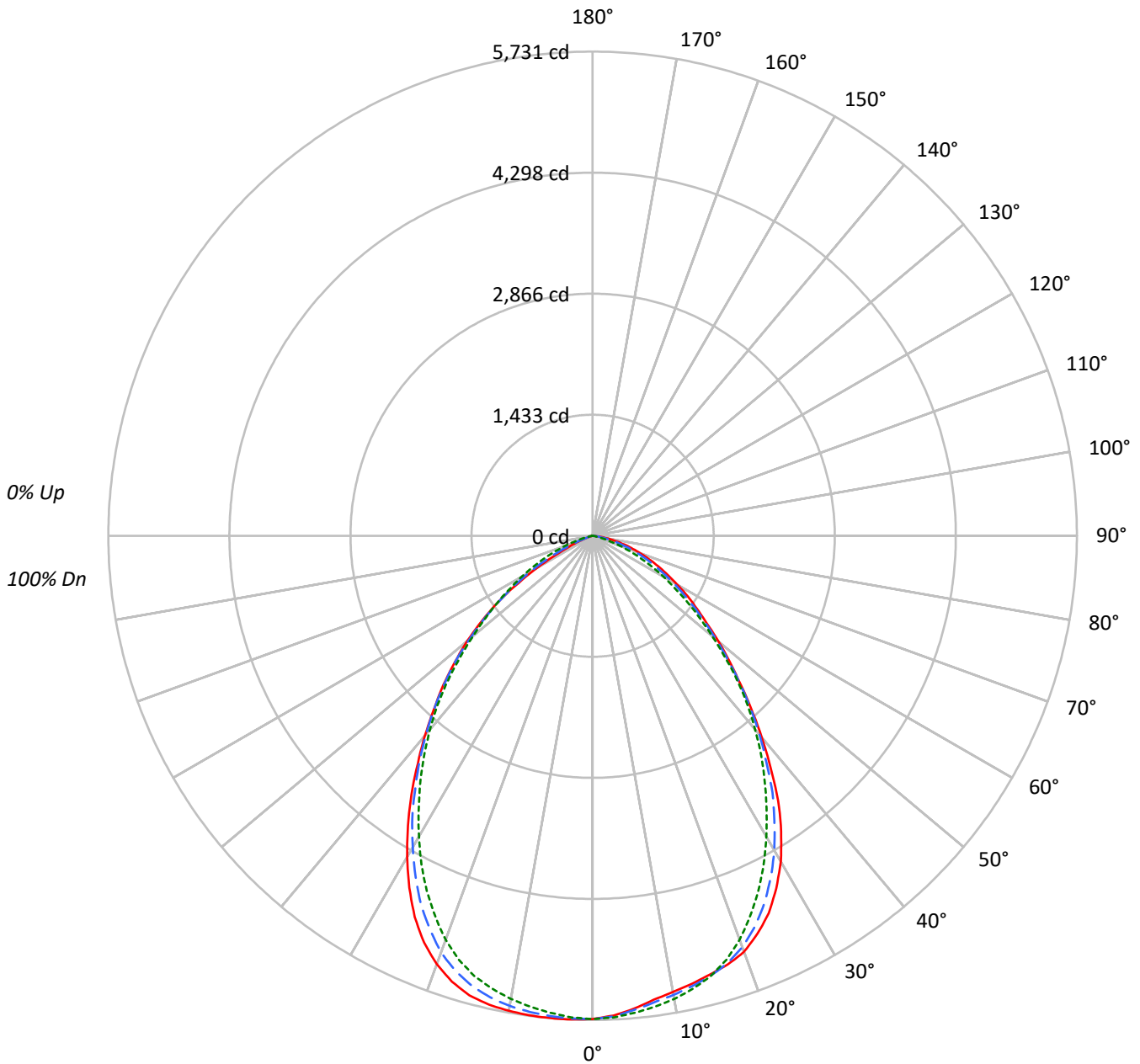
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10519.0 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 142.3
Input Voltage (V):
Input Current (Ain): 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									
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	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89																			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78																			
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69																			
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61																			
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54																			
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49																			
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44																			
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40																			
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36																			
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	246261	246261	246261
5°	242875	244998	247690
10°	239650	243367	249645
15°	239534	240546	250990
20°	240077	233149	247175
25°	234198	220464	236531
30°	221417	204414	218131
35°	201315	186713	196448
40°	175017	168115	173427
45°	150027	147384	152103
50°	130107	123530	129732
55°	112906	102689	102126
60°	99416	83140	64592
65°	87208	63144	30991
70°	74928	41870	11418
75°	60985	17600	3144
80°	41234	4215	1413
85°	16796	939	939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.6	5.1
10°-20°	1534.4	14.6
20°-30°	2198.9	20.9
30°-40°	2291.5	21.8
40°-50°	1898.5	18.0
50°-60°	1258.5	12.0
60°-70°	609.4	5.8
70°-80°	172.5	1.6
80°-90°	16.8	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°	4271.9	40.6
0°-40°	6563.4	62.4
0°-60°	9720.4	92.4
0°-90°	10519.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10519.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	5720	5720	5720	5720	5720	
5°	5620	5635	5669	5708	5731	532
15°	5374	5393	5396	5517	5631	1519
25°	4930	4805	4641	4811	4979	2255
35°	3830	3709	3552	3662	3738	2374
45°	2464	2456	2420	2481	2498	1917
55°	1504	1455	1368	1344	1360	1359
65°	856	773	620	425	304	853
75°	367	280	106	21	19	393
85°	34	15	2	2	2	56
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°	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6
2.5°	5683.7	5685.6	5689.4	5685.6	5687.5	5689.4	5689.4	5691.3	5691.3	5693.1	5695.0
5°	5619.5	5625.1	5625.1	5625.1	5625.1	5627.0	5628.9	5628.9	5627.0	5627.0	5634.6
7.5°	5538.2	5543.9	5542.0	5543.9	5545.8	5551.4	5549.5	5553.3	5557.1	5562.8	5570.3
10°	5481.5	5483.4	5481.5	5487.2	5491.0	5494.7	5494.7	5498.5	5502.3	5508.0	5517.4
12.5°	5430.5	5432.4	5434.3	5438.1	5441.8	5439.9	5443.7	5447.5	5449.4	5453.2	5458.8
15°	5373.8	5383.3	5381.4	5383.3	5385.1	5387.0	5388.9	5390.8	5388.9	5388.9	5392.7
17.5°	5320.9	5322.8	5324.7	5324.7	5324.7	5324.7	5320.9	5320.9	5315.2	5309.6	5305.8
20°	5239.7	5237.8	5234.0	5234.0	5226.4	5228.3	5220.8	5217.0	5207.5	5194.3	5181.1
22.5°	5097.9	5107.4	5103.6	5090.4	5082.8	5082.8	5075.3	5058.3	5043.1	5028.0	5011.0
25°	4929.8	4926.0	4920.3	4912.8	4901.4	4893.9	4882.5	4871.2	4846.6	4820.2	4805.1
27.5°	4704.9	4710.6	4697.4	4686.0	4680.4	4669.0	4657.7	4642.6	4612.3	4589.7	4563.2
30°	4453.6	4449.8	4447.9	4432.8	4417.7	4421.5	4398.8	4381.8	4359.1	4321.3	4300.6
32.5°	4151.3	4157.0	4145.6	4143.7	4115.4	4111.6	4111.6	4085.2	4066.3	4030.4	4002.0
35°	3830.1	3826.3	3822.5	3809.3	3807.4	3796.1	3786.6	3767.7	3743.2	3731.8	3709.1
37.5°	3459.7	3461.6	3463.5	3463.5	3455.9	3448.4	3440.8	3440.8	3406.8	3401.1	3374.7
40°	3113.9	3119.6	3117.7	3104.5	3106.4	3108.3	3106.4	3104.5	3083.7	3076.1	3072.4
42.5°	2777.6	2787.1	2777.6	2775.7	2777.6	2777.6	2773.8	2779.5	2770.0	2777.6	2760.6
45°	2463.9	2471.5	2465.8	2463.9	2460.2	2469.6	2458.3	2467.7	2462.1	2452.6	2456.4
47.5°	2193.7	2186.2	2193.7	2190.0	2184.3	2176.7	2188.1	2182.4	2169.2	2167.3	2171.1
50°	1942.4	1938.7	1942.4	1940.5	1931.1	1931.1	1929.2	1925.4	1921.6	1910.3	1902.8
52.5°	1702.5	1715.7	1706.2	1715.7	1702.5	1696.8	1698.7	1693.0	1685.5	1681.7	1666.6
55°	1504.1	1506.0	1506.0	1506.0	1498.4	1494.6	1490.8	1487.1	1487.1	1470.1	1454.9
57.5°	1332.1	1328.3	1326.4	1320.8	1317.0	1313.2	1309.4	1298.1	1286.8	1271.7	1260.3
60°	1154.5	1158.3	1158.3	1150.7	1145.1	1139.4	1137.5	1129.9	1116.7	1101.6	1084.6
62.5°	1001.4	1005.2	995.8	995.8	984.4	982.6	982.6	971.2	956.1	939.1	920.2
65°	856.0	854.1	857.8	844.6	846.5	835.2	831.4	825.7	810.6	789.8	772.8
67.5°	718.0	721.8	716.1	712.4	704.8	701.0	697.2	680.2	672.7	653.8	634.9
70°	595.2	591.4	587.6	587.6	580.1	574.4	572.5	553.6	544.2	529.1	508.3
72.5°	479.9	476.2	472.4	466.7	461.0	459.2	447.8	436.5	425.1	406.2	391.1
75°	366.6	364.7	360.9	357.1	347.7	343.9	342.0	328.8	308.0	292.9	279.6
77.5°	264.5	266.4	258.9	251.3	245.6	240.0	236.2	224.9	211.6	194.6	181.4
80°	166.3	168.2	166.3	160.6	153.1	151.2	145.5	137.9	126.6	115.3	105.8
82.5°	88.8	88.8	86.9	85.0	79.4	79.4	75.6	69.9	64.2	58.6	51.0
85°	34.0	34.0	32.1	30.2	28.3	28.3	26.5	24.6	20.8	18.9	15.1
87.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6
2.5°	5695.0	5696.9	5698.8	5700.7	5700.7	5700.7	5702.6	5704.5	5704.5	5706.4	5708.3
5°	5638.3	5640.2	5645.9	5647.8	5651.6	5649.7	5655.4	5661.0	5664.8	5668.6	5674.2
7.5°	5574.1	5579.8	5587.3	5593.0	5594.9	5596.8	5602.4	5610.0	5615.7	5623.2	5628.9
10°	5521.2	5526.9	5534.4	5542.0	5542.0	5545.8	5549.5	5555.2	5560.9	5566.5	5574.1
12.5°	5462.6	5470.2	5472.1	5475.8	5475.8	5477.7	5481.5	5483.4	5489.1	5491.0	5502.3
15°	5392.7	5392.7	5392.7	5392.7	5392.7	5390.8	5387.0	5390.8	5390.8	5396.5	5402.2
17.5°	5296.3	5296.3	5285.0	5279.3	5281.2	5271.8	5269.9	5262.3	5262.3	5262.3	5268.0
20°	5169.7	5152.7	5139.5	5122.5	5114.9	5111.2	5107.4	5090.4	5088.5	5088.5	5088.5
22.5°	4990.2	4971.3	4952.4	4939.2	4918.4	4910.9	4903.3	4892.0	4878.8	4871.2	4888.2
25°	4771.1	4748.4	4725.7	4699.3	4693.6	4684.1	4665.2	4653.9	4648.2	4640.7	4644.5
27.5°	4538.6	4506.5	4482.0	4455.5	4446.1	4434.7	4417.7	4400.7	4381.8	4385.6	4385.6
30°	4272.2	4234.4	4208.0	4175.9	4174.0	4162.6	4147.5	4126.7	4111.6	4111.6	4121.1
32.5°	3983.1	3956.7	3932.1	3896.2	3890.5	3883.0	3871.6	3852.7	3841.4	3830.1	3837.6
35°	3690.2	3648.7	3631.7	3609.0	3610.9	3590.1	3573.1	3561.8	3563.6	3552.3	3558.0
37.5°	3374.7	3350.1	3325.6	3316.1	3306.7	3295.3	3287.8	3280.2	3276.4	3276.4	3272.7
40°	3055.4	3042.1	3030.8	3027.0	3010.0	3013.8	3011.9	3006.2	2994.9	2991.1	3002.5
42.5°	2754.9	2741.7	2736.0	2726.6	2724.7	2719.0	2719.0	2713.4	2711.5	2713.4	2711.5
45°	2445.0	2443.2	2429.9	2429.9	2437.5	2431.8	2416.7	2426.2	2426.2	2420.5	2431.8
47.5°	2159.7	2161.6	2154.1	2138.9	2138.9	2129.5	2118.2	2127.6	2133.3	2123.8	2129.5
50°	1900.9	1889.5	1874.4	1863.1	1868.7	1865.0	1855.5	1848.0	1842.3	1844.2	1851.7
52.5°	1655.2	1649.6	1632.6	1619.3	1615.5	1617.4	1606.1	1594.8	1596.6	1594.8	1591.0
55°	1434.2	1434.2	1411.5	1405.8	1390.7	1390.7	1375.6	1373.7	1368.0	1368.0	1358.6
57.5°	1243.3	1226.3	1213.1	1199.8	1194.2	1186.6	1181.0	1167.7	1162.1	1150.7	1148.8
60°	1067.6	1046.8	1037.3	1022.2	1010.9	1003.3	993.9	982.6	975.0	965.5	954.2
62.5°	910.8	888.1	869.2	854.1	844.6	842.7	827.6	814.4	799.3	787.9	769.0
65°	753.9	740.7	719.9	699.1	695.3	685.9	670.8	655.7	636.8	619.8	608.4
67.5°	616.0	599.0	580.1	568.7	555.5	548.0	531.0	508.3	487.5	470.5	449.7
70°	493.2	468.6	451.6	432.7	428.9	411.9	396.8	374.1	355.2	332.6	302.3
72.5°	370.3	345.8	332.6	313.7	302.3	292.9	272.1	251.3	221.1	204.1	177.6
75°	260.8	240.0	221.1	202.2	194.6	181.4	164.4	141.7	122.8	105.8	86.9
77.5°	162.5	149.3	132.3	117.2	109.6	102.0	88.8	71.8	58.6	45.3	34.0
80°	92.6	81.2	69.9	58.6	54.8	51.0	39.7	30.2	24.6	17.0	11.3
82.5°	43.5	35.9	30.2	24.6	22.7	18.9	13.2	9.4	5.7	3.8	1.9
85°	13.2	9.4	7.6	5.7	3.8	3.8	1.9	1.9	1.9	1.9	1.9
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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6
2.5°	5708.3	5710.1	5712.0	5712.0	5712.0	5713.9	5713.9	5717.7	5719.6	5721.5	5721.5
5°	5678.0	5683.7	5687.5	5689.4	5691.3	5696.9	5698.8	5704.5	5708.3	5712.0	5715.8
7.5°	5636.5	5642.1	5649.7	5653.5	5657.2	5664.8	5670.5	5679.9	5685.6	5693.1	5700.7
10°	5583.5	5591.1	5602.4	5606.2	5610.0	5619.5	5630.8	5642.1	5651.6	5662.9	5672.4
12.5°	5506.1	5517.4	5530.6	5534.4	5540.1	5553.3	5566.5	5583.5	5596.8	5611.9	5627.0
15°	5409.7	5424.8	5434.3	5438.1	5445.6	5464.5	5477.7	5496.6	5517.4	5540.1	5557.1
17.5°	5275.6	5283.1	5300.1	5307.7	5317.1	5336.0	5356.8	5379.5	5398.4	5422.9	5449.4
20°	5099.8	5111.2	5132.0	5139.5	5150.8	5167.9	5198.1	5217.0	5247.2	5277.4	5296.3
22.5°	4880.6	4901.4	4922.2	4931.7	4939.2	4960.0	4980.8	5012.9	5037.5	5079.0	5103.6
25°	4653.9	4659.6	4676.6	4693.6	4697.4	4723.8	4748.4	4786.2	4810.7	4837.2	4871.2
27.5°	4393.1	4400.7	4427.2	4430.9	4432.8	4461.2	4489.5	4519.7	4540.5	4570.8	4587.8
30°	4121.1	4134.3	4145.6	4153.2	4166.4	4179.6	4206.1	4243.9	4259.0	4285.4	4308.1
32.5°	3843.3	3843.3	3869.7	3871.6	3879.2	3909.4	3924.5	3947.2	3973.7	3994.5	3992.6
35°	3567.4	3575.0	3584.4	3597.7	3603.3	3622.2	3627.9	3644.9	3661.9	3677.0	3695.9
37.5°	3282.1	3282.1	3302.9	3312.3	3318.0	3327.5	3336.9	3353.9	3363.4	3369.0	3380.4
40°	3010.0	3017.6	3021.4	3025.1	3025.1	3038.4	3045.9	3059.1	3064.8	3079.9	3072.4
42.5°	2734.1	2730.4	2732.3	2741.7	2743.6	2751.2	2756.8	2764.4	2771.9	2768.2	2781.4
45°	2441.3	2443.2	2446.9	2446.9	2452.6	2462.1	2471.5	2475.3	2480.9	2490.4	2492.3
47.5°	2135.2	2144.6	2138.9	2154.1	2157.8	2159.7	2182.4	2184.3	2203.2	2207.0	2207.0
50°	1849.8	1849.8	1861.2	1866.9	1870.6	1876.3	1883.9	1891.4	1897.1	1910.3	1914.1
52.5°	1592.9	1596.6	1596.6	1591.0	1596.6	1596.6	1615.5	1617.4	1615.5	1619.3	1625.0
55°	1362.3	1364.2	1352.9	1360.5	1358.6	1352.9	1356.7	1345.3	1343.5	1349.1	1345.3
57.5°	1141.3	1133.7	1131.8	1122.4	1122.4	1112.9	1103.5	1103.5	1095.9	1082.7	1080.8
60°	942.9	931.5	924.0	918.3	903.2	893.7	880.5	869.2	854.1	837.1	827.6
62.5°	755.8	742.6	727.5	719.9	708.6	685.9	668.9	651.9	627.3	612.2	597.1
65°	589.5	568.7	544.2	532.8	521.5	500.7	478.1	449.7	425.1	404.4	377.9
67.5°	427.0	404.4	379.8	362.8	351.5	326.9	300.4	275.9	247.5	224.9	211.6
70°	279.6	251.3	228.6	215.4	204.1	179.5	154.9	134.2	120.9	115.3	113.4
72.5°	158.7	130.4	113.4	100.1	90.7	73.7	60.5	52.9	49.1	47.2	43.5
75°	68.0	51.0	39.7	32.1	28.3	22.7	20.8	20.8	20.8	18.9	18.9
77.5°	24.6	17.0	13.2	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
80°	7.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
82.5°	3.8	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	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: P#

CATALOG NUMBER: LX6C120D010 EX6C1209030 6LBSQLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6	5719.6
2.5°	5723.4	5727.2	5727.2	5729.0	5730.9	5730.9	5730.9	5730.9
5°	5719.6	5723.4	5725.3	5727.2	5729.0	5730.9	5730.9	5730.9
7.5°	5704.5	5712.0	5713.9	5717.7	5721.5	5723.4	5723.4	5725.3
10°	5681.8	5689.4	5695.0	5698.8	5702.6	5706.4	5710.1	5710.1
12.5°	5640.2	5651.6	5659.1	5662.9	5672.4	5676.1	5679.9	5683.7
15°	5572.2	5587.3	5596.8	5604.3	5611.9	5623.2	5625.1	5630.8
17.5°	5470.2	5491.0	5494.7	5506.1	5515.5	5534.4	5532.5	5534.4
20°	5322.8	5345.5	5353.0	5364.4	5379.5	5392.7	5404.0	5394.6
22.5°	5126.3	5152.7	5164.1	5175.4	5184.9	5196.2	5211.3	5213.2
25°	4893.9	4916.5	4926.0	4933.6	4952.4	4961.9	4977.0	4978.9
27.5°	4627.4	4640.7	4653.9	4657.7	4678.5	4684.1	4697.4	4697.4
30°	4325.1	4340.2	4355.4	4361.0	4366.7	4372.4	4381.8	4387.5
32.5°	4015.2	4030.4	4036.0	4045.5	4047.4	4056.8	4053.0	4068.1
35°	3705.4	3709.1	3714.8	3712.9	3726.1	3724.3	3739.4	3737.5
37.5°	3393.6	3389.8	3399.3	3408.7	3404.9	3401.1	3406.8	3397.4
40°	3081.8	3083.7	3085.6	3095.0	3085.6	3091.3	3087.5	3085.6
42.5°	2790.8	2790.8	2779.5	2790.8	2783.3	2779.5	2787.1	2775.7
45°	2496.1	2494.2	2496.1	2498.0	2498.0	2498.0	2490.4	2498.0
47.5°	2216.4	2218.3	2210.7	2224.0	2220.2	2212.6	2212.6	2207.0
50°	1919.8	1931.1	1944.3	1933.0	1942.4	1936.8	1931.1	1936.8
52.5°	1638.2	1645.8	1636.3	1638.2	1659.0	1659.0	1647.7	1645.8
55°	1337.8	1337.8	1341.6	1343.5	1345.3	1369.9	1356.7	1360.5
57.5°	1069.5	1069.5	1063.8	1075.1	1067.6	1058.1	1067.6	1043.0
60°	812.5	810.6	804.9	797.4	778.5	772.8	752.0	750.1
62.5°	578.2	557.4	549.9	534.7	514.0	508.3	487.5	485.6
65°	359.0	334.4	326.9	319.3	309.9	308.0	300.4	304.2
67.5°	204.1	200.3	198.4	192.7	189.0	185.2	185.2	183.3
70°	107.7	100.1	98.3	96.4	96.4	88.8	86.9	90.7
72.5°	41.6	37.8	37.8	37.8	35.9	35.9	35.9	35.9
75°	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9
77.5°	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
80°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9
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)