

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: **LX6C130D010 EX6C1309027 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: LX6C130D010 EX6C1309027 6LBSQLWWLI
Description: 6 INCH 13000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBSQLWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

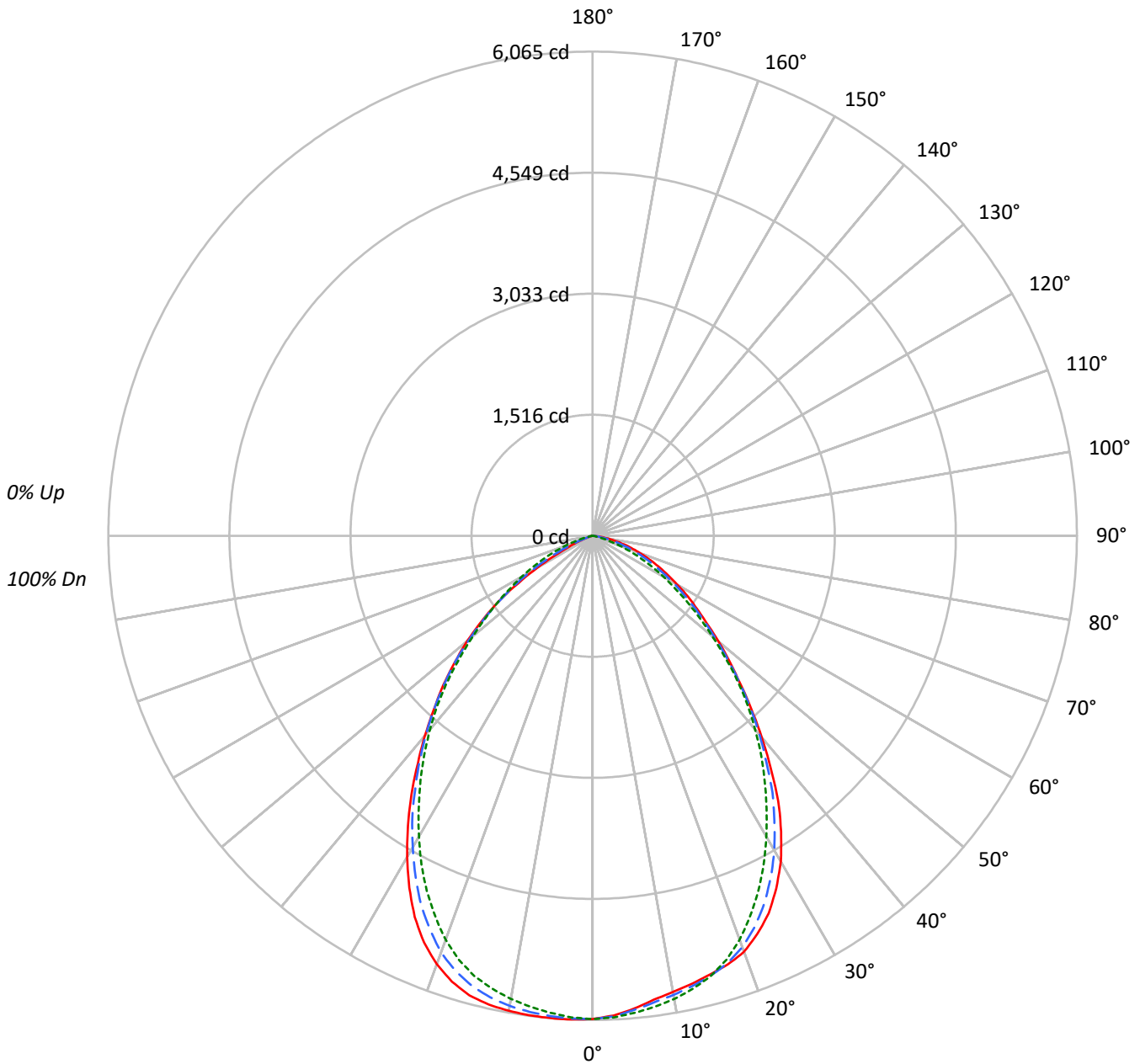
Lumens per Lamp: N/A
Luminaire Lumens: 11132.0 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	260612	260612	260612
5°	257026	259273	262126
10°	253619	257549	264195
15°	253495	254565	265615
20°	254066	246735	261580
25°	247847	233310	250313
30°	234318	216326	230843
35°	213047	197594	207896
40°	185219	177912	183532
45°	158770	155969	160962
50°	137690	130723	137288
55°	119481	108672	108071
60°	105211	87989	68364
65°	92281	66822	32795
70°	79296	44299	12085
75°	64529	18632	3327
80°	43639	4463	1488
85°	17784	988	988



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.9	5.1
10°-20°	1623.9	14.6
20°-30°	2327.1	20.9
30°-40°	2425.1	21.8
40°-50°	2009.1	18.0
50°-60°	1331.8	12.0
60°-70°	644.9	5.8
70°-80°	182.5	1.6
80°-90°	17.7	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°	4520.9	40.6
0°-40°	6945.9	62.4
0°-60°	10286.8	92.4
0°-90°	11132.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11132.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	6053	6053	6053	6053	6053	
5°	5947	5963	5999	6041	6065	563
15°	5687	5707	5711	5839	5959	1608
25°	5217	5085	4911	5091	5269	2386
35°	4053	3925	3759	3875	3955	2513
45°	2608	2600	2562	2626	2644	2028
55°	1592	1540	1448	1422	1440	1438
65°	906	818	656	450	322	902
75°	388	296	112	22	20	416
85°	36	16	2	2	2	60
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°	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9
2.5°	6014.9	6016.9	6020.9	6016.9	6018.9	6020.9	6020.9	6022.9	6022.9	6024.9	6026.9
5°	5946.9	5952.9	5952.9	5952.9	5952.9	5954.9	5956.9	5956.9	5954.9	5954.9	5962.9
7.5°	5860.9	5866.9	5864.9	5866.9	5868.9	5874.9	5872.9	5876.9	5880.9	5886.9	5894.9
10°	5801.0	5803.0	5801.0	5807.0	5811.0	5815.0	5815.0	5819.0	5822.9	5828.9	5838.9
12.5°	5747.0	5749.0	5751.0	5755.0	5759.0	5757.0	5761.0	5765.0	5767.0	5771.0	5777.0
15°	5687.0	5697.0	5695.0	5697.0	5699.0	5701.0	5703.0	5705.0	5703.0	5703.0	5707.0
17.5°	5631.0	5633.0	5635.0	5635.0	5635.0	5635.0	5631.0	5631.0	5625.0	5619.0	5615.0
20°	5545.0	5543.0	5539.0	5539.0	5531.0	5533.0	5525.0	5521.0	5511.0	5497.0	5483.0
22.5°	5395.0	5405.0	5401.0	5387.0	5379.0	5379.0	5371.0	5353.0	5337.0	5321.0	5303.0
25°	5217.1	5213.1	5207.1	5199.1	5187.1	5179.1	5167.1	5155.1	5129.1	5101.1	5085.1
27.5°	4979.1	4985.1	4971.1	4959.1	4953.1	4941.1	4929.1	4913.1	4881.1	4857.1	4829.1
30°	4713.1	4709.2	4707.2	4691.2	4675.2	4679.2	4655.2	4637.2	4613.2	4573.2	4551.2
32.5°	4393.2	4399.2	4387.2	4385.2	4355.2	4351.2	4351.2	4323.2	4303.2	4265.2	4235.2
35°	4053.3	4049.3	4045.3	4031.3	4029.3	4017.3	4007.3	3987.3	3961.3	3949.3	3925.3
37.5°	3661.3	3663.3	3665.3	3665.3	3657.3	3649.3	3641.3	3641.3	3605.3	3599.4	3571.4
40°	3295.4	3301.4	3299.4	3285.4	3287.4	3289.4	3287.4	3285.4	3263.4	3255.4	3251.4
42.5°	2939.5	2949.5	2939.5	2937.5	2939.5	2939.5	2935.5	2941.5	2931.5	2939.5	2921.5
45°	2607.5	2615.5	2609.5	2607.5	2603.5	2613.5	2601.5	2611.5	2605.5	2595.5	2599.5
47.5°	2321.6	2313.6	2321.6	2317.6	2311.6	2303.6	2315.6	2309.6	2295.6	2293.6	2297.6
50°	2055.6	2051.6	2055.6	2053.6	2043.6	2043.6	2041.6	2037.6	2033.6	2021.6	2013.6
52.5°	1801.7	1815.7	1805.7	1815.7	1801.7	1795.7	1797.7	1791.7	1783.7	1779.7	1763.7
55°	1591.7	1593.7	1593.7	1593.7	1585.7	1581.7	1577.7	1573.7	1573.7	1555.7	1539.7
57.5°	1409.7	1405.7	1403.7	1397.7	1393.7	1389.7	1385.8	1373.8	1361.8	1345.8	1333.8
60°	1221.8	1225.8	1225.8	1217.8	1211.8	1205.8	1203.8	1195.8	1181.8	1165.8	1147.8
62.5°	1059.8	1063.8	1053.8	1053.8	1041.8	1039.8	1039.8	1027.8	1011.8	993.8	973.8
65°	905.8	903.8	907.8	893.8	895.8	883.8	879.8	873.8	857.8	835.8	817.9
67.5°	759.9	763.9	757.9	753.9	745.9	741.9	737.9	719.9	711.9	691.9	671.9
70°	629.9	625.9	621.9	621.9	613.9	607.9	605.9	585.9	575.9	559.9	537.9
72.5°	507.9	503.9	499.9	493.9	487.9	485.9	473.9	461.9	449.9	429.9	413.9
75°	387.9	385.9	381.9	377.9	367.9	363.9	361.9	347.9	325.9	309.9	295.9
77.5°	279.9	281.9	274.0	266.0	260.0	254.0	250.0	238.0	224.0	206.0	192.0
80°	176.0	178.0	176.0	170.0	162.0	160.0	154.0	146.0	134.0	122.0	112.0
82.5°	94.0	94.0	92.0	90.0	84.0	84.0	80.0	74.0	68.0	62.0	54.0
85°	36.0	36.0	34.0	32.0	30.0	30.0	28.0	26.0	22.0	20.0	16.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9
2.5°	6026.9	6028.9	6030.9	6032.9	6032.9	6032.9	6034.9	6036.9	6036.9	6038.9	6040.9
5°	5966.9	5968.9	5974.9	5976.9	5980.9	5978.9	5984.9	5990.9	5994.9	5998.9	6004.9
7.5°	5898.9	5904.9	5912.9	5918.9	5920.9	5922.9	5928.9	5936.9	5942.9	5950.9	5956.9
10°	5842.9	5848.9	5856.9	5864.9	5864.9	5868.9	5872.9	5878.9	5884.9	5890.9	5898.9
12.5°	5781.0	5789.0	5791.0	5795.0	5795.0	5797.0	5801.0	5803.0	5809.0	5811.0	5822.9
15°	5707.0	5707.0	5707.0	5707.0	5707.0	5705.0	5701.0	5705.0	5705.0	5711.0	5717.0
17.5°	5605.0	5605.0	5593.0	5587.0	5589.0	5579.0	5577.0	5569.0	5569.0	5569.0	5575.0
20°	5471.0	5453.0	5439.0	5421.0	5413.0	5409.0	5405.0	5387.0	5385.0	5385.0	5385.0
22.5°	5281.0	5261.1	5241.1	5227.1	5205.1	5197.1	5189.1	5177.1	5163.1	5155.1	5173.1
25°	5049.1	5025.1	5001.1	4973.1	4967.1	4957.1	4937.1	4925.1	4919.1	4911.1	4915.1
27.5°	4803.1	4769.1	4743.1	4715.1	4705.2	4693.2	4675.2	4657.2	4637.2	4641.2	4641.2
30°	4521.2	4481.2	4453.2	4419.2	4417.2	4405.2	4389.2	4367.2	4351.2	4351.2	4361.2
32.5°	4215.2	4187.2	4161.2	4123.3	4117.3	4109.3	4097.3	4077.3	4065.3	4053.3	4061.3
35°	3905.3	3861.3	3843.3	3819.3	3821.3	3799.3	3781.3	3769.3	3771.3	3759.3	3765.3
37.5°	3571.4	3545.4	3519.4	3509.4	3499.4	3487.4	3479.4	3471.4	3467.4	3467.4	3463.4
40°	3233.4	3219.4	3207.4	3203.4	3185.4	3189.4	3187.4	3181.4	3169.4	3165.4	3177.4
42.5°	2915.5	2901.5	2895.5	2885.5	2883.5	2877.5	2877.5	2871.5	2869.5	2871.5	2869.5
45°	2587.5	2585.5	2571.5	2571.5	2579.5	2573.5	2557.5	2567.5	2567.5	2561.5	2573.5
47.5°	2285.6	2287.6	2279.6	2263.6	2263.6	2253.6	2241.6	2251.6	2257.6	2247.6	2253.6
50°	2011.6	1999.6	1983.6	1971.6	1977.6	1973.6	1963.6	1955.6	1949.6	1951.6	1959.6
52.5°	1751.7	1745.7	1727.7	1713.7	1709.7	1711.7	1699.7	1687.7	1689.7	1687.7	1683.7
55°	1517.7	1517.7	1493.7	1487.7	1471.7	1471.7	1455.7	1453.7	1447.7	1447.7	1437.7
57.5°	1315.8	1297.8	1283.8	1269.8	1263.8	1255.8	1249.8	1235.8	1229.8	1217.8	1215.8
60°	1129.8	1107.8	1097.8	1081.8	1069.8	1061.8	1051.8	1039.8	1031.8	1021.8	1009.8
62.5°	963.8	939.8	919.8	903.8	893.8	891.8	875.8	861.8	845.8	833.8	813.9
65°	797.9	783.9	761.9	739.9	735.9	725.9	709.9	693.9	673.9	655.9	643.9
67.5°	651.9	633.9	613.9	601.9	587.9	579.9	561.9	537.9	515.9	497.9	475.9
70°	521.9	495.9	477.9	457.9	453.9	435.9	419.9	395.9	375.9	351.9	319.9
72.5°	391.9	365.9	351.9	331.9	319.9	309.9	287.9	266.0	234.0	216.0	188.0
75°	276.0	254.0	234.0	214.0	206.0	192.0	174.0	150.0	130.0	112.0	92.0
77.5°	172.0	158.0	140.0	124.0	116.0	108.0	94.0	76.0	62.0	48.0	36.0
80°	98.0	86.0	74.0	62.0	58.0	54.0	42.0	32.0	26.0	18.0	12.0
82.5°	46.0	38.0	32.0	26.0	24.0	20.0	14.0	10.0	6.0	4.0	2.0
85°	14.0	10.0	8.0	6.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0
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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9
2.5°	6040.9	6042.9	6044.9	6044.9	6044.9	6046.9	6046.9	6050.9	6052.9	6054.9	6054.9
5°	6008.9	6014.9	6018.9	6020.9	6022.9	6028.9	6030.9	6036.9	6040.9	6044.9	6048.9
7.5°	5964.9	5970.9	5978.9	5982.9	5986.9	5994.9	6000.9	6010.9	6016.9	6024.9	6032.9
10°	5908.9	5916.9	5928.9	5932.9	5936.9	5946.9	5958.9	5970.9	5980.9	5992.9	6002.9
12.5°	5826.9	5838.9	5852.9	5856.9	5862.9	5876.9	5890.9	5908.9	5922.9	5938.9	5954.9
15°	5725.0	5741.0	5751.0	5755.0	5763.0	5783.0	5797.0	5817.0	5838.9	5862.9	5880.9
17.5°	5583.0	5591.0	5609.0	5617.0	5627.0	5647.0	5669.0	5693.0	5713.0	5739.0	5767.0
20°	5397.0	5409.0	5431.0	5439.0	5451.0	5469.0	5501.0	5521.0	5553.0	5585.0	5605.0
22.5°	5165.1	5187.1	5209.1	5219.1	5227.1	5249.1	5271.0	5305.0	5331.0	5375.0	5401.0
25°	4925.1	4931.1	4949.1	4967.1	4971.1	4999.1	5025.1	5065.1	5091.1	5119.1	5155.1
27.5°	4649.2	4657.2	4685.2	4689.2	4691.2	4721.1	4751.1	4783.1	4805.1	4837.1	4855.1
30°	4361.2	4375.2	4387.2	4395.2	4409.2	4423.2	4451.2	4491.2	4507.2	4535.2	4559.2
32.5°	4067.3	4067.3	4095.3	4097.3	4105.3	4137.3	4153.3	4177.2	4205.2	4227.2	4225.2
35°	3775.3	3783.3	3793.3	3807.3	3813.3	3833.3	3839.3	3857.3	3875.3	3891.3	3911.3
37.5°	3473.4	3473.4	3495.4	3505.4	3511.4	3521.4	3531.4	3549.4	3559.4	3565.4	3577.4
40°	3185.4	3193.4	3197.4	3201.4	3201.4	3215.4	3223.4	3237.4	3243.4	3259.4	3251.4
42.5°	2893.5	2889.5	2891.5	2901.5	2903.5	2911.5	2917.5	2925.5	2933.5	2929.5	2943.5
45°	2583.5	2585.5	2589.5	2589.5	2595.5	2605.5	2615.5	2619.5	2625.5	2635.5	2637.5
47.5°	2259.6	2269.6	2263.6	2279.6	2283.6	2285.6	2309.6	2311.6	2331.6	2335.6	2335.6
50°	1957.6	1957.6	1969.6	1975.6	1979.6	1985.6	1993.6	2001.6	2007.6	2021.6	2025.6
52.5°	1685.7	1689.7	1689.7	1683.7	1689.7	1689.7	1709.7	1711.7	1709.7	1713.7	1719.7
55°	1441.7	1443.7	1431.7	1439.7	1437.7	1431.7	1435.7	1423.7	1421.7	1427.7	1423.7
57.5°	1207.8	1199.8	1197.8	1187.8	1187.8	1177.8	1167.8	1167.8	1159.8	1145.8	1143.8
60°	997.8	985.8	977.8	971.8	955.8	945.8	931.8	919.8	903.8	885.8	875.8
62.5°	799.9	785.9	769.9	761.9	749.9	725.9	707.9	689.9	663.9	647.9	631.9
65°	623.9	601.9	575.9	563.9	551.9	529.9	505.9	475.9	449.9	427.9	399.9
67.5°	451.9	427.9	401.9	383.9	371.9	345.9	317.9	291.9	262.0	238.0	224.0
70°	295.9	266.0	242.0	228.0	216.0	190.0	164.0	142.0	128.0	122.0	120.0
72.5°	168.0	138.0	120.0	106.0	96.0	78.0	64.0	56.0	52.0	50.0	46.0
75°	72.0	54.0	42.0	34.0	30.0	24.0	22.0	22.0	22.0	20.0	20.0
77.5°	26.0	18.0	14.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
80°	8.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
82.5°	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	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: P#

CATALOG NUMBER: LX6C130D010 EX6C1309027 6LBSQLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9	6052.9
2.5°	6056.9	6060.9	6060.9	6062.9	6064.9	6064.9	6064.9	6064.9
5°	6052.9	6056.9	6058.9	6060.9	6062.9	6064.9	6064.9	6064.9
7.5°	6036.9	6044.9	6046.9	6050.9	6054.9	6056.9	6056.9	6058.9
10°	6012.9	6020.9	6026.9	6030.9	6034.9	6038.9	6042.9	6042.9
12.5°	5968.9	5980.9	5988.9	5992.9	6002.9	6006.9	6010.9	6014.9
15°	5896.9	5912.9	5922.9	5930.9	5938.9	5950.9	5952.9	5958.9
17.5°	5789.0	5811.0	5815.0	5826.9	5836.9	5856.9	5854.9	5856.9
20°	5633.0	5657.0	5665.0	5677.0	5693.0	5707.0	5719.0	5709.0
22.5°	5425.0	5453.0	5465.0	5477.0	5487.0	5499.0	5515.0	5517.0
25°	5179.1	5203.1	5213.1	5221.1	5241.1	5251.1	5267.0	5269.0
27.5°	4897.1	4911.1	4925.1	4929.1	4951.1	4957.1	4971.1	4971.1
30°	4577.2	4593.2	4609.2	4615.2	4621.2	4627.2	4637.2	4643.2
32.5°	4249.2	4265.2	4271.2	4281.2	4283.2	4293.2	4289.2	4305.2
35°	3921.3	3925.3	3931.3	3929.3	3943.3	3941.3	3957.3	3955.3
37.5°	3591.4	3587.4	3597.4	3607.3	3603.3	3599.4	3605.3	3595.4
40°	3261.4	3263.4	3265.4	3275.4	3265.4	3271.4	3267.4	3265.4
42.5°	2953.5	2953.5	2941.5	2953.5	2945.5	2941.5	2949.5	2937.5
45°	2641.5	2639.5	2641.5	2643.5	2643.5	2643.5	2635.5	2643.5
47.5°	2345.6	2347.6	2339.6	2353.6	2349.6	2341.6	2341.6	2335.6
50°	2031.6	2043.6	2057.6	2045.6	2055.6	2049.6	2043.6	2049.6
52.5°	1733.7	1741.7	1731.7	1733.7	1755.7	1755.7	1743.7	1741.7
55°	1415.7	1415.7	1419.7	1421.7	1423.7	1449.7	1435.7	1439.7
57.5°	1131.8	1131.8	1125.8	1137.8	1129.8	1119.8	1129.8	1103.8
60°	859.8	857.8	851.8	843.8	823.9	817.9	795.9	793.9
62.5°	611.9	589.9	581.9	565.9	543.9	537.9	515.9	513.9
65°	379.9	353.9	345.9	337.9	327.9	325.9	317.9	321.9
67.5°	216.0	212.0	210.0	204.0	200.0	196.0	196.0	194.0
70°	114.0	106.0	104.0	102.0	102.0	94.0	92.0	96.0
72.5°	44.0	40.0	40.0	40.0	38.0	38.0	38.0	38.0
75°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
77.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
80°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0
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)