

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: **LX6C100D010 EX6C1009040 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: LX6C100D010 EX6C1009040 6LBSQLWWLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 4000K, 90CRI LEDS
AND 6LBSQLWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

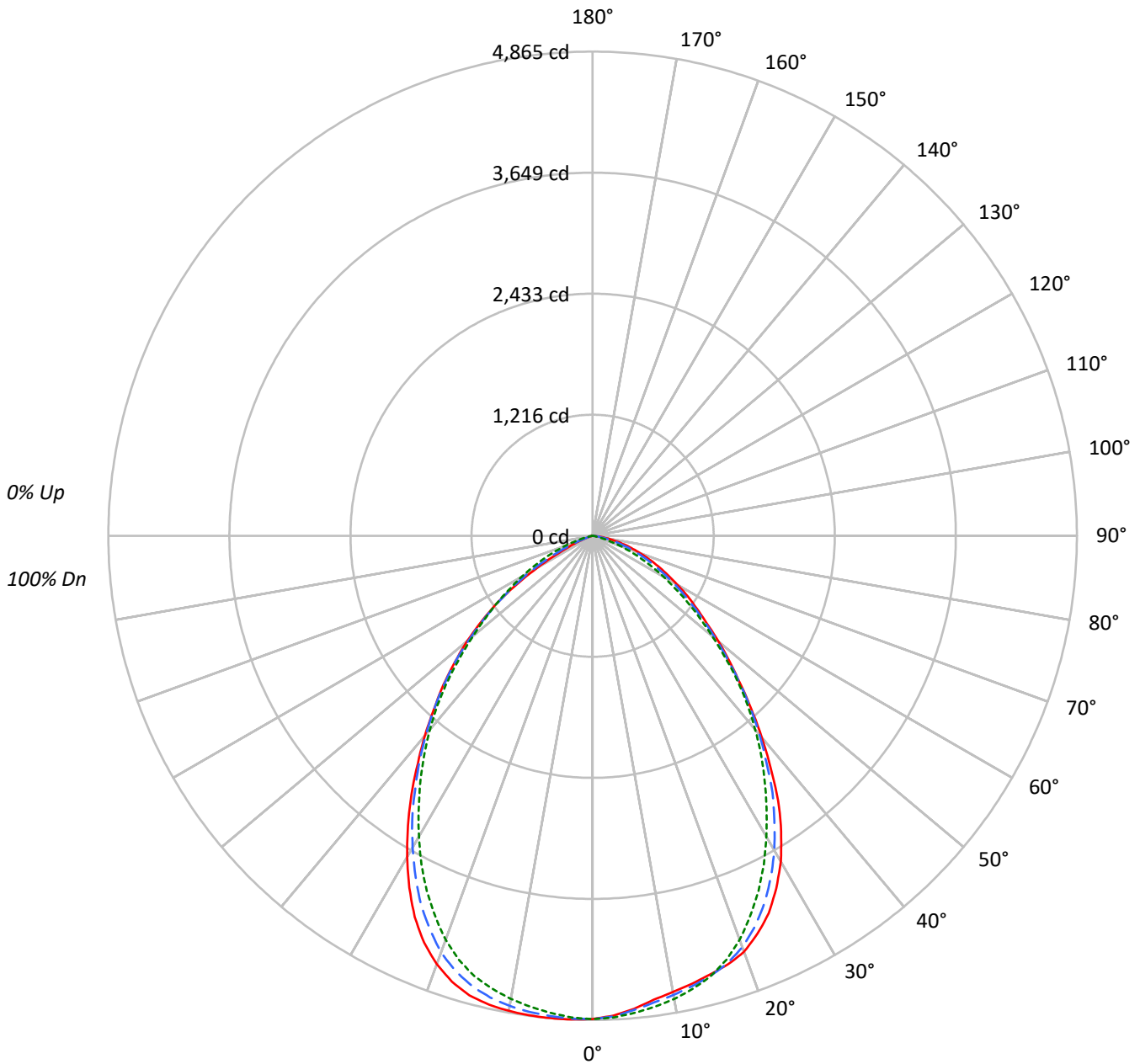
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8930.0 lumens
Efficiency: N/A
Efficacy: 78.1 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): 114.4
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	100	100	100
1	111	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89	89	89	89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78	78	78	78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69	69	69	69
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61	61	61	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54	54	54	54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49	49	49	49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44	44	44	44
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40	40	40	40
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36	36	36	36
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33	33	33	33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	209061	209061	209061
5°	206186	207988	210275
10°	203450	206607	211936
15°	203349	204209	213075
20°	203812	197928	209837
25°	198820	187162	200801
30°	187973	173535	185179
35°	170903	158509	166772
40°	148578	142722	147229
45°	127363	125117	129123
50°	110454	104868	110133
55°	95851	87181	86693
60°	84398	70585	54836
65°	74035	53598	26315
70°	63610	35538	9693
75°	51769	14939	2662
80°	35010	3570	1190
85°	14277	790	790



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.2	5.1
10°-20°	1302.6	14.6
20°-30°	1866.7	20.9
30°-40°	1945.4	21.8
40°-50°	1611.7	18.0
50°-60°	1068.3	12.0
60°-70°	517.3	5.8
70°-80°	146.4	1.6
80°-90°	14.2	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°	3626.6	40.6
0°-40°	5572.0	62.4
0°-60°	8252.0	92.4
0°-90°	8930.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8930.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4856	4856	4856	4856	4856	
5°	4771	4783	4812	4846	4865	451
15°	4562	4578	4581	4684	4780	1290
25°	4185	4079	3940	4084	4227	1914
35°	3252	3149	3016	3109	3173	2016
45°	2092	2085	2055	2106	2121	1627
55°	1277	1235	1161	1140	1155	1153
65°	727	656	526	361	258	724
75°	311	237	90	18	16	334
85°	29	13	2	2	2	48
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°	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6
2.5°	4825.1	4826.7	4829.9	4826.7	4828.3	4829.9	4829.9	4831.5	4831.5	4833.1	4834.7
5°	4770.6	4775.4	4775.4	4775.4	4775.4	4777.0	4778.6	4778.6	4777.0	4777.0	4783.4
7.5°	4701.6	4706.4	4704.8	4706.4	4708.0	4712.8	4711.2	4714.4	4717.6	4722.5	4728.9
10°	4653.5	4655.1	4653.5	4658.3	4661.5	4664.7	4664.7	4667.9	4671.1	4675.9	4684.0
12.5°	4610.2	4611.8	4613.4	4616.6	4619.8	4618.2	4621.4	4624.6	4626.2	4629.4	4634.2
15°	4562.0	4570.1	4568.5	4570.1	4571.7	4573.3	4574.9	4576.5	4574.9	4574.9	4578.1
17.5°	4517.1	4518.7	4520.3	4520.3	4520.3	4520.3	4517.1	4517.1	4512.3	4507.5	4504.3
20°	4448.2	4446.5	4443.3	4443.3	4436.9	4438.5	4432.1	4428.9	4420.9	4409.7	4398.4
22.5°	4327.8	4335.9	4332.7	4321.4	4315.0	4315.0	4308.6	4294.2	4281.3	4268.5	4254.1
25°	4185.1	4181.9	4177.1	4170.6	4161.0	4154.6	4145.0	4135.4	4114.5	4092.0	4079.2
27.5°	3994.2	3999.0	3987.8	3978.2	3973.3	3963.7	3954.1	3941.3	3915.6	3896.3	3873.9
30°	3780.9	3777.6	3776.0	3763.2	3750.4	3753.6	3734.3	3719.9	3700.6	3668.6	3650.9
32.5°	3524.2	3529.0	3519.4	3517.8	3493.7	3490.5	3490.5	3468.1	3452.0	3421.5	3397.5
35°	3251.5	3248.3	3245.1	3233.9	3232.3	3222.6	3214.6	3198.6	3177.7	3168.1	3148.8
37.5°	2937.1	2938.7	2940.3	2940.3	2933.9	2927.5	2921.1	2921.1	2892.2	2887.4	2864.9
40°	2643.5	2648.4	2646.8	2635.5	2637.1	2638.7	2637.1	2635.5	2617.9	2611.5	2608.3
42.5°	2358.0	2366.0	2358.0	2356.4	2358.0	2358.0	2354.8	2359.6	2351.6	2358.0	2343.6
45°	2091.7	2098.2	2093.3	2091.7	2088.5	2096.6	2086.9	2094.9	2090.1	2082.1	2085.3
47.5°	1862.4	1855.9	1862.4	1859.1	1854.3	1847.9	1857.5	1852.7	1841.5	1839.9	1843.1
50°	1649.0	1645.8	1649.0	1647.4	1639.4	1639.4	1637.8	1634.6	1631.4	1621.7	1615.3
52.5°	1445.3	1456.5	1448.5	1456.5	1445.3	1440.5	1442.1	1437.3	1430.9	1427.6	1414.8
55°	1276.9	1278.5	1278.5	1278.5	1272.0	1268.8	1265.6	1262.4	1262.4	1248.0	1235.2
57.5°	1130.9	1127.7	1126.1	1121.3	1118.1	1114.8	1111.6	1102.0	1092.4	1079.6	1069.9
60°	980.1	983.3	983.3	976.9	972.1	967.3	965.7	959.2	948.0	935.2	920.8
62.5°	850.2	853.4	845.4	845.4	835.7	834.1	834.1	824.5	811.7	797.2	781.2
65°	726.7	725.1	728.3	717.0	718.6	709.0	705.8	701.0	688.2	670.5	656.1
67.5°	609.6	612.8	608.0	604.7	598.3	595.1	591.9	577.5	571.1	555.0	539.0
70°	505.3	502.1	498.9	498.9	492.5	487.6	486.0	470.0	462.0	449.1	431.5
72.5°	407.4	404.2	401.0	396.2	391.4	389.8	380.2	370.5	360.9	344.9	332.0
75°	311.2	309.6	306.4	303.2	295.2	291.9	290.3	279.1	261.5	248.6	237.4
77.5°	224.6	226.2	219.8	213.3	208.5	203.7	200.5	190.9	179.7	165.2	154.0
80°	141.2	142.8	141.2	136.3	129.9	128.3	123.5	117.1	107.5	97.8	89.8
82.5°	75.4	75.4	73.8	72.2	67.4	67.4	64.2	59.4	54.5	49.7	43.3
85°	28.9	28.9	27.3	25.7	24.1	24.1	22.5	20.9	17.6	16.0	12.8
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	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°	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6
2.5°	4834.7	4836.3	4837.9	4839.6	4839.6	4839.6	4841.2	4842.8	4842.8	4844.4	4846.0
5°	4786.6	4788.2	4793.0	4794.6	4797.8	4796.2	4801.1	4805.9	4809.1	4812.3	4817.1
7.5°	4732.1	4736.9	4743.3	4748.1	4749.7	4751.3	4756.1	4762.6	4767.4	4773.8	4778.6
10°	4687.2	4692.0	4698.4	4704.8	4704.8	4708.0	4711.2	4716.0	4720.8	4725.7	4732.1
12.5°	4637.4	4643.9	4645.5	4648.7	4648.7	4650.3	4653.5	4655.1	4659.9	4661.5	4671.1
15°	4578.1	4578.1	4578.1	4578.1	4578.1	4576.5	4573.3	4576.5	4576.5	4581.3	4586.1
17.5°	4496.3	4496.3	4486.7	4481.8	4483.4	4475.4	4473.8	4467.4	4467.4	4467.4	4472.2
20°	4388.8	4374.4	4363.1	4348.7	4342.3	4339.1	4335.9	4321.4	4319.8	4319.8	4319.8
22.5°	4236.4	4220.4	4204.3	4193.1	4175.5	4169.0	4162.6	4153.0	4141.8	4135.4	4149.8
25°	4050.3	4031.1	4011.8	3989.4	3984.6	3976.6	3960.5	3950.9	3946.1	3939.7	3942.9
27.5°	3853.0	3825.8	3804.9	3782.5	3774.4	3764.8	3750.4	3735.9	3719.9	3723.1	3723.1
30°	3626.9	3594.8	3572.3	3545.0	3543.4	3533.8	3521.0	3503.3	3490.5	3490.5	3498.5
32.5°	3381.4	3359.0	3338.1	3307.6	3302.8	3296.4	3286.8	3270.7	3261.1	3251.5	3257.9
35°	3132.8	3097.5	3083.1	3063.8	3065.4	3047.8	3033.3	3023.7	3025.3	3015.7	3020.5
37.5°	2864.9	2844.1	2823.2	2815.2	2807.2	2797.5	2791.1	2784.7	2781.5	2781.5	2778.3
40°	2593.8	2582.6	2573.0	2569.8	2555.3	2558.5	2556.9	2552.1	2542.5	2539.3	2548.9
42.5°	2338.8	2327.5	2322.7	2314.7	2313.1	2308.3	2308.3	2303.5	2301.9	2303.5	2301.9
45°	2075.7	2074.1	2062.9	2062.9	2069.3	2064.5	2051.6	2059.7	2059.7	2054.8	2064.5
47.5°	1833.5	1835.1	1828.7	1815.8	1815.8	1807.8	1798.2	1806.2	1811.0	1803.0	1807.8
50°	1613.7	1604.1	1591.3	1581.6	1586.4	1583.2	1575.2	1568.8	1564.0	1565.6	1572.0
52.5°	1405.2	1400.4	1385.9	1374.7	1371.5	1373.1	1363.5	1353.9	1355.5	1353.9	1350.6
55°	1217.5	1217.5	1198.3	1193.4	1180.6	1180.6	1167.8	1166.2	1161.4	1161.4	1153.3
57.5°	1055.5	1041.1	1029.8	1018.6	1013.8	1007.4	1002.6	991.3	986.5	976.9	975.3
60°	906.3	888.7	880.6	867.8	858.2	851.8	843.8	834.1	827.7	819.7	810.1
62.5°	773.2	753.9	737.9	725.1	717.0	715.4	702.6	691.4	678.5	668.9	652.9
65°	640.0	628.8	611.2	593.5	590.3	582.3	569.5	556.6	540.6	526.1	516.5
67.5°	522.9	508.5	492.5	482.8	471.6	465.2	450.8	431.5	413.9	399.4	381.8
70°	418.7	397.8	383.4	367.3	364.1	349.7	336.9	317.6	301.6	282.3	256.7
72.5°	314.4	293.5	282.3	266.3	256.7	248.6	231.0	213.3	187.7	173.2	150.8
75°	221.4	203.7	187.7	171.6	165.2	154.0	139.6	120.3	104.3	89.8	73.8
77.5°	138.0	126.7	112.3	99.5	93.0	86.6	75.4	61.0	49.7	38.5	28.9
80°	78.6	69.0	59.4	49.7	46.5	43.3	33.7	25.7	20.9	14.4	9.6
82.5°	36.9	30.5	25.7	20.9	19.2	16.0	11.2	8.0	4.8	3.2	1.6
85°	11.2	8.0	6.4	4.8	3.2	3.2	1.6	1.6	1.6	1.6	1.6
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°	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6
2.5°	4846.0	4847.6	4849.2	4849.2	4849.2	4850.8	4850.8	4854.0	4855.6	4857.2	4857.2
5°	4820.3	4825.1	4828.3	4829.9	4831.5	4836.3	4837.9	4842.8	4846.0	4849.2	4852.4
7.5°	4785.0	4789.8	4796.2	4799.5	4802.7	4809.1	4813.9	4821.9	4826.7	4833.1	4839.6
10°	4740.1	4746.5	4756.1	4759.3	4762.6	4770.6	4780.2	4789.8	4797.8	4807.5	4815.5
12.5°	4674.3	4684.0	4695.2	4698.4	4703.2	4714.4	4725.7	4740.1	4751.3	4764.2	4777.0
15°	4592.5	4605.4	4613.4	4616.6	4623.0	4639.0	4650.3	4666.3	4684.0	4703.2	4717.6
17.5°	4478.6	4485.0	4499.5	4505.9	4513.9	4530.0	4547.6	4566.9	4582.9	4603.8	4626.2
20°	4329.5	4339.1	4356.7	4363.1	4372.8	4387.2	4412.9	4428.9	4454.6	4480.2	4496.3
22.5°	4143.4	4161.0	4178.7	4186.7	4193.1	4210.7	4228.4	4255.7	4276.5	4311.8	4332.7
25°	3950.9	3955.7	3970.1	3984.6	3987.8	4010.2	4031.1	4063.2	4084.0	4106.5	4135.4
27.5°	3729.5	3735.9	3758.4	3761.6	3763.2	3787.3	3811.3	3837.0	3854.6	3880.3	3894.7
30°	3498.5	3509.8	3519.4	3525.8	3537.0	3548.3	3570.7	3602.8	3615.6	3638.1	3657.3
32.5°	3262.7	3262.7	3285.2	3286.8	3293.2	3318.9	3331.7	3351.0	3373.4	3391.1	3389.5
35°	3028.5	3034.9	3043.0	3054.2	3059.0	3075.0	3079.9	3094.3	3108.7	3121.6	3137.6
37.5°	2786.3	2786.3	2804.0	2812.0	2816.8	2824.8	2832.8	2847.3	2855.3	2860.1	2869.7
40°	2555.3	2561.7	2564.9	2568.2	2568.2	2579.4	2585.8	2597.0	2601.8	2614.7	2608.3
42.5°	2321.1	2317.9	2319.5	2327.5	2329.1	2335.6	2340.4	2346.8	2353.2	2350.0	2361.2
45°	2072.5	2074.1	2077.3	2077.3	2082.1	2090.1	2098.2	2101.4	2106.2	2114.2	2115.8
47.5°	1812.6	1820.6	1815.8	1828.7	1831.9	1833.5	1852.7	1854.3	1870.4	1873.6	1873.6
50°	1570.4	1570.4	1580.0	1584.8	1588.1	1592.9	1599.3	1605.7	1610.5	1621.7	1624.9
52.5°	1352.3	1355.5	1355.5	1350.6	1355.5	1355.5	1371.5	1373.1	1371.5	1374.7	1379.5
55°	1156.6	1158.2	1148.5	1154.9	1153.3	1148.5	1151.7	1142.1	1140.5	1145.3	1142.1
57.5°	968.9	962.5	960.9	952.8	952.8	944.8	936.8	936.8	930.4	919.1	917.5
60°	800.4	790.8	784.4	779.6	766.8	758.7	747.5	737.9	725.1	710.6	702.6
62.5°	641.6	630.4	617.6	611.2	601.5	582.3	567.8	553.4	532.6	519.7	506.9
65°	500.5	482.8	462.0	452.4	442.7	425.1	405.8	381.8	360.9	343.3	320.8
67.5°	362.5	343.3	322.4	308.0	298.4	277.5	255.1	234.2	210.1	190.9	179.7
70°	237.4	213.3	194.1	182.9	173.2	152.4	131.5	113.9	102.7	97.8	96.2
72.5°	134.7	110.7	96.2	85.0	77.0	62.6	51.3	44.9	41.7	40.1	36.9
75°	57.7	43.3	33.7	27.3	24.1	19.2	17.6	17.6	17.6	16.0	16.0
77.5°	20.9	14.4	11.2	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
80°	6.4	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	3.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	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: LX6C100D010 EX6C1009040 6LBSQLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6	4855.6
2.5°	4858.8	4862.0	4862.0	4863.6	4865.2	4865.2	4865.2	4865.2
5°	4855.6	4858.8	4860.4	4862.0	4863.6	4865.2	4865.2	4865.2
7.5°	4842.8	4849.2	4850.8	4854.0	4857.2	4858.8	4858.8	4860.4
10°	4823.5	4829.9	4834.7	4837.9	4841.2	4844.4	4847.6	4847.6
12.5°	4788.2	4797.8	4804.3	4807.5	4815.5	4818.7	4821.9	4825.1
15°	4730.5	4743.3	4751.3	4757.7	4764.2	4773.8	4775.4	4780.2
17.5°	4643.9	4661.5	4664.7	4674.3	4682.4	4698.4	4696.8	4698.4
20°	4518.7	4538.0	4544.4	4554.0	4566.9	4578.1	4587.7	4579.7
22.5°	4351.9	4374.4	4384.0	4393.6	4401.6	4411.3	4424.1	4425.7
25°	4154.6	4173.9	4181.9	4188.3	4204.3	4212.4	4225.2	4226.8
27.5°	3928.4	3939.7	3950.9	3954.1	3971.7	3976.6	3987.8	3987.8
30°	3671.8	3684.6	3697.4	3702.2	3707.1	3711.9	3719.9	3724.7
32.5°	3408.7	3421.5	3426.3	3434.4	3436.0	3444.0	3440.8	3453.6
35°	3145.6	3148.8	3153.6	3152.0	3163.3	3161.7	3174.5	3172.9
37.5°	2881.0	2877.7	2885.8	2893.8	2890.6	2887.4	2892.2	2884.2
40°	2616.3	2617.9	2619.5	2627.5	2619.5	2624.3	2621.1	2619.5
42.5°	2369.2	2369.2	2359.6	2369.2	2362.8	2359.6	2366.0	2356.4
45°	2119.0	2117.4	2119.0	2120.6	2120.6	2120.6	2114.2	2120.6
47.5°	1881.6	1883.2	1876.8	1888.0	1884.8	1878.4	1878.4	1873.6
50°	1629.8	1639.4	1650.6	1641.0	1649.0	1644.2	1639.4	1644.2
52.5°	1390.7	1397.2	1389.1	1390.7	1408.4	1408.4	1398.8	1397.2
55°	1135.7	1135.7	1138.9	1140.5	1142.1	1163.0	1151.7	1154.9
57.5°	907.9	907.9	903.1	912.7	906.3	898.3	906.3	885.5
60°	689.8	688.2	683.3	676.9	660.9	656.1	638.4	636.8
62.5°	490.9	473.2	466.8	454.0	436.3	431.5	413.9	412.3
65°	304.8	283.9	277.5	271.1	263.1	261.5	255.1	258.3
67.5°	173.2	170.0	168.4	163.6	160.4	157.2	157.2	155.6
70°	91.4	85.0	83.4	81.8	81.8	75.4	73.8	77.0
72.5°	35.3	32.1	32.1	32.1	30.5	30.5	30.5	30.5
75°	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0
77.5°	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6
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)