

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 EX6C1009027 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 EX6C1009027 6LBSQLWWLI
Description: 6 INCH 10000 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 2700K, 90CRI LEDS
AND 6LBSQLWW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

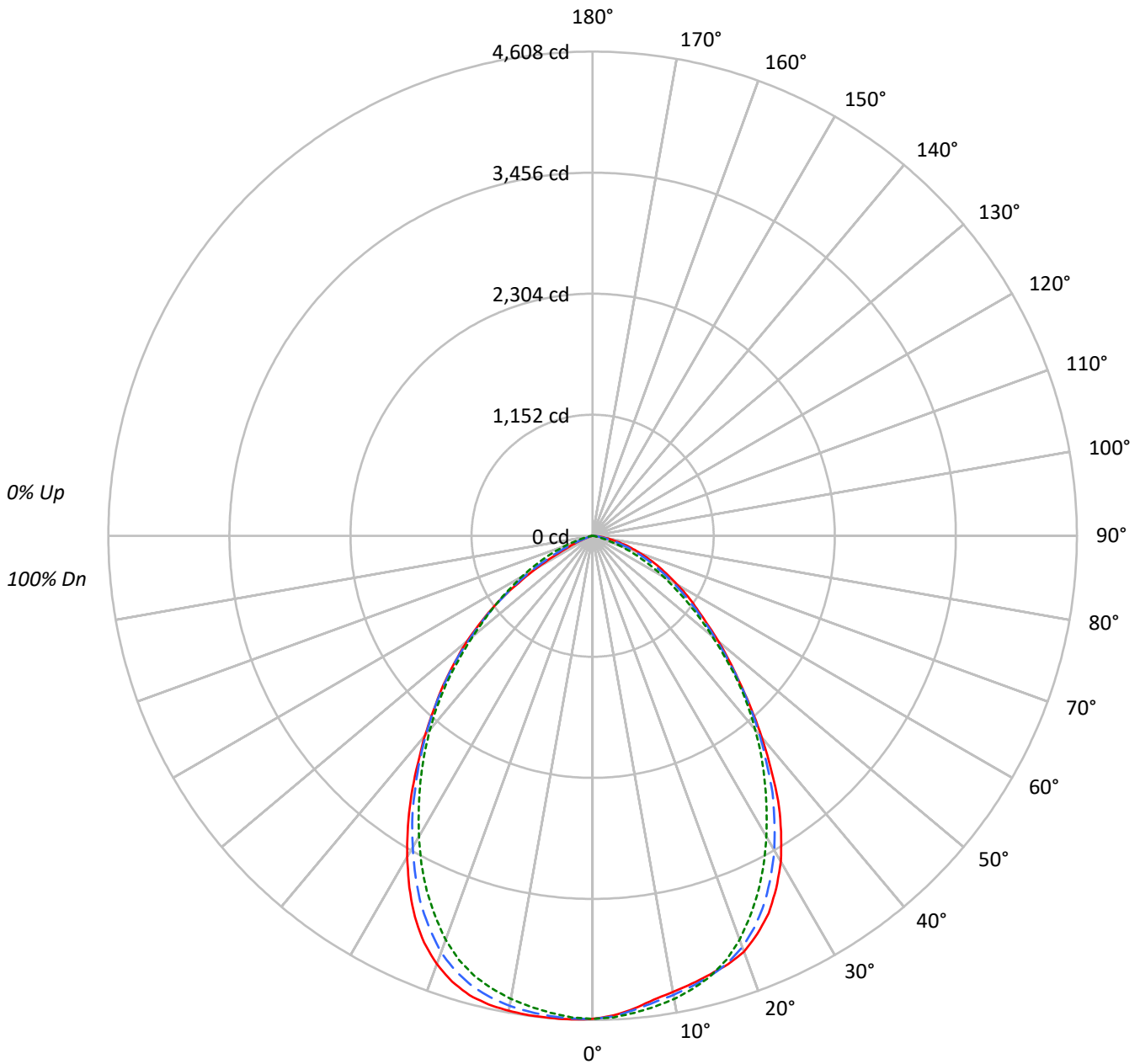
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8457.0 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): 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
1	111	108	104	101	109	105	102	100	101	99	97	98	96	94	94	92	91	89			89
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	85	83	80	78			78
3	96	87	80	75	93	86	79	74	83	77	73	80	76	72	78	74	71	69			69
4	89	79	71	66	87	77	71	65	75	69	64	73	68	64	71	66	63	61			61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54			54
6	77	65	57	52	75	64	57	52	63	56	51	61	55	51	60	54	50	49			49
7	72	60	52	47	70	59	52	46	58	51	46	56	50	46	55	50	46	44			44
8	67	55	48	42	66	54	47	42	53	47	42	52	46	42	51	46	41	40			40
9	63	51	44	39	62	50	43	38	49	43	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	197987	197987	197987
5°	195264	196971	199137
10°	192673	195664	200709
15°	192580	193391	201789
20°	193012	187445	198721
25°	188288	177247	190164
30°	178015	164343	175370
35°	161852	150115	157936
40°	140710	135162	139428
45°	120617	118492	122285
50°	104607	99315	104299
55°	90769	82557	82106
60°	79929	66848	51934
65°	70113	50766	24919
70°	60237	33662	9177
75°	49025	14157	2529
80°	33151	3397	1141
85°	13486	741	741



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.0	5.1
10°-20°	1233.7	14.6
20°-30°	1767.9	20.9
30°-40°	1842.3	21.8
40°-50°	1526.3	18.0
50°-60°	1011.8	12.0
60°-70°	489.9	5.8
70°-80°	138.7	1.6
80°-90°	13.5	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°	3434.5	40.6
0°-40°	5276.8	62.4
0°-60°	7814.9	92.4
0°-90°	8457.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8457.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4598	4598	4598	4598	4598	
5°	4518	4530	4557	4589	4608	427
15°	4320	4336	4339	4436	4527	1221
25°	3963	3863	3731	3868	4003	1813
35°	3079	2982	2856	2944	3005	1909
45°	1981	1975	1946	1995	2008	1541
55°	1209	1170	1100	1080	1094	1092
65°	688	621	498	342	245	686
75°	295	225	85	17	15	316
85°	27	12	2	2	2	45
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°	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4
2.5°	4569.5	4571.1	4574.1	4571.1	4572.6	4574.1	4574.1	4575.6	4575.6	4577.1	4578.7
5°	4517.9	4522.4	4522.4	4522.4	4522.4	4524.0	4525.5	4525.5	4524.0	4524.0	4530.0
7.5°	4452.6	4457.1	4455.6	4457.1	4458.6	4463.2	4461.7	4464.7	4467.8	4472.3	4478.4
10°	4407.0	4408.5	4407.0	4411.6	4414.6	4417.6	4417.6	4420.7	4423.7	4428.3	4435.9
12.5°	4366.0	4367.5	4369.0	4372.1	4375.1	4373.6	4376.6	4379.7	4381.2	4384.2	4388.8
15°	4320.4	4328.0	4326.5	4328.0	4329.5	4331.0	4332.6	4334.1	4332.6	4332.6	4335.6
17.5°	4277.9	4279.4	4280.9	4280.9	4280.9	4280.9	4277.9	4277.9	4273.3	4268.8	4265.7
20°	4212.5	4211.0	4208.0	4208.0	4201.9	4203.4	4197.4	4194.3	4186.7	4176.1	4165.5
22.5°	4098.6	4106.2	4103.2	4092.5	4086.5	4086.5	4080.4	4066.7	4054.6	4042.4	4028.7
25°	3963.4	3960.4	3955.8	3949.7	3940.6	3934.5	3925.4	3916.3	3896.6	3875.3	3863.1
27.5°	3782.6	3787.2	3776.6	3767.4	3762.9	3753.8	3744.7	3732.5	3708.2	3690.0	3668.7
30°	3580.6	3577.5	3576.0	3563.9	3551.7	3554.8	3536.5	3522.9	3504.6	3474.2	3457.5
32.5°	3337.5	3342.1	3333.0	3331.5	3308.7	3305.6	3305.6	3284.4	3269.2	3240.3	3217.5
35°	3079.3	3076.2	3073.2	3062.6	3061.0	3051.9	3044.3	3029.1	3009.4	3000.3	2982.1
37.5°	2781.5	2783.0	2784.6	2784.6	2778.5	2772.4	2766.3	2766.3	2739.0	2734.4	2713.2
40°	2503.5	2508.1	2506.6	2495.9	2497.4	2499.0	2497.4	2495.9	2479.2	2473.1	2470.1
42.5°	2233.1	2240.7	2233.1	2231.6	2233.1	2233.1	2230.1	2234.6	2227.0	2233.1	2219.4
45°	1980.9	1987.0	1982.5	1980.9	1977.9	1985.5	1976.4	1984.0	1979.4	1971.8	1974.9
47.5°	1763.7	1757.6	1763.7	1760.7	1756.1	1750.0	1759.2	1754.6	1744.0	1742.4	1745.5
50°	1561.7	1558.6	1561.7	1560.1	1552.6	1552.6	1551.0	1548.0	1545.0	1535.8	1529.8
52.5°	1368.7	1379.4	1371.8	1379.4	1368.7	1364.2	1365.7	1361.1	1355.1	1352.0	1339.9
55°	1209.2	1210.7	1210.7	1210.7	1204.7	1201.6	1198.6	1195.6	1195.6	1181.9	1169.7
57.5°	1071.0	1067.9	1066.4	1061.9	1058.8	1055.8	1052.8	1043.6	1034.5	1022.4	1013.3
60°	928.2	931.2	931.2	925.1	920.6	916.0	914.5	908.4	897.8	885.7	872.0
62.5°	805.1	808.2	800.6	800.6	791.5	789.9	789.9	780.8	768.7	755.0	739.8
65°	688.2	686.6	689.7	679.1	680.6	671.5	668.4	663.9	651.7	635.0	621.3
67.5°	577.3	580.3	575.8	572.7	566.6	563.6	560.6	546.9	540.8	525.6	510.4
70°	478.5	475.5	472.4	472.4	466.4	461.8	460.3	445.1	437.5	425.4	408.6
72.5°	385.9	382.8	379.8	375.2	370.7	369.1	360.0	350.9	341.8	326.6	314.5
75°	294.7	293.2	290.2	287.1	279.5	276.5	275.0	264.3	247.6	235.5	224.8
77.5°	212.7	214.2	208.1	202.0	197.5	192.9	189.9	180.8	170.1	156.5	145.8
80°	133.7	135.2	133.7	129.1	123.0	121.5	117.0	110.9	101.8	92.7	85.1
82.5°	71.4	71.4	69.9	68.4	63.8	63.8	60.8	56.2	51.7	47.1	41.0
85°	27.3	27.3	25.8	24.3	22.8	22.8	21.3	19.7	16.7	15.2	12.2
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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°	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4
2.5°	4578.7	4580.2	4581.7	4583.2	4583.2	4583.2	4584.7	4586.3	4586.3	4587.8	4589.3
5°	4533.1	4534.6	4539.2	4540.7	4543.7	4542.2	4546.8	4551.3	4554.4	4557.4	4561.9
7.5°	4481.4	4486.0	4492.1	4496.6	4498.1	4499.7	4504.2	4510.3	4514.9	4520.9	4525.5
10°	4438.9	4443.5	4449.5	4455.6	4455.6	4458.6	4461.7	4466.2	4470.8	4475.4	4481.4
12.5°	4391.8	4397.9	4399.4	4402.4	4402.4	4404.0	4407.0	4408.5	4413.1	4414.6	4423.7
15°	4335.6	4335.6	4335.6	4335.6	4335.6	4334.1	4331.0	4334.1	4334.1	4338.6	4343.2
17.5°	4258.1	4258.1	4249.0	4244.4	4246.0	4238.4	4236.9	4230.8	4230.8	4230.8	4235.3
20°	4156.3	4142.7	4132.0	4118.4	4112.3	4109.2	4106.2	4092.5	4091.0	4091.0	4091.0
22.5°	4012.0	3996.8	3981.6	3971.0	3954.3	3948.2	3942.1	3933.0	3922.4	3916.3	3930.0
25°	3835.8	3817.6	3799.3	3778.1	3773.5	3765.9	3750.7	3741.6	3737.1	3731.0	3734.0
27.5°	3648.9	3623.1	3603.4	3582.1	3574.5	3565.4	3551.7	3538.1	3522.9	3525.9	3525.9
30°	3434.8	3404.4	3383.1	3357.3	3355.8	3346.6	3334.5	3317.8	3305.6	3305.6	3313.2
32.5°	3202.3	3181.1	3161.3	3132.4	3127.9	3121.8	3112.7	3097.5	3088.4	3079.3	3085.4
35°	2966.9	2933.4	2919.8	2901.5	2903.1	2886.3	2872.7	2863.6	2865.1	2856.0	2860.5
37.5°	2713.2	2693.4	2673.7	2666.1	2658.5	2649.4	2643.3	2637.2	2634.2	2634.2	2631.1
40°	2456.4	2445.8	2436.7	2433.6	2420.0	2423.0	2421.5	2416.9	2407.8	2404.8	2413.9
42.5°	2214.9	2204.3	2199.7	2192.1	2190.6	2186.0	2186.0	2181.5	2180.0	2181.5	2180.0
45°	1965.8	1964.2	1953.6	1953.6	1959.7	1955.1	1943.0	1950.6	1950.6	1946.0	1955.1
47.5°	1736.4	1737.9	1731.8	1719.7	1719.7	1712.1	1702.9	1710.5	1715.1	1707.5	1712.1
50°	1528.2	1519.1	1507.0	1497.9	1502.4	1499.4	1491.8	1485.7	1481.2	1482.7	1488.7
52.5°	1330.8	1326.2	1312.5	1301.9	1298.9	1300.4	1291.3	1282.1	1283.7	1282.1	1279.1
55°	1153.0	1153.0	1134.8	1130.2	1118.1	1118.1	1105.9	1104.4	1099.8	1099.8	1092.3
57.5°	999.6	985.9	975.3	964.6	960.1	954.0	949.5	938.8	934.3	925.1	923.6
60°	858.3	841.6	834.0	821.8	812.7	806.7	799.1	789.9	783.9	776.3	767.2
62.5°	732.2	714.0	698.8	686.6	679.1	677.5	665.4	654.7	642.6	633.5	618.3
65°	606.1	595.5	578.8	562.1	559.0	551.4	539.3	527.1	511.9	498.3	489.2
67.5°	495.2	481.6	466.4	457.3	446.6	440.5	426.9	408.6	391.9	378.3	361.6
70°	396.5	376.7	363.1	347.9	344.8	331.2	319.0	300.8	285.6	267.4	243.1
72.5°	297.7	278.0	267.4	252.2	243.1	235.5	218.8	202.0	177.7	164.1	142.8
75°	209.6	192.9	177.7	162.5	156.5	145.8	132.2	113.9	98.7	85.1	69.9
77.5°	130.6	120.0	106.3	94.2	88.1	82.0	71.4	57.7	47.1	36.5	27.3
80°	74.4	65.3	56.2	47.1	44.1	41.0	31.9	24.3	19.7	13.7	9.1
82.5°	34.9	28.9	24.3	19.7	18.2	15.2	10.6	7.6	4.6	3.0	1.5
85°	10.6	7.6	6.1	4.6	3.0	3.0	1.5	1.5	1.5	1.5	1.5
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°	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4
2.5°	4589.3	4590.8	4592.3	4592.3	4592.3	4593.8	4593.8	4596.9	4598.4	4599.9	4599.9
5°	4565.0	4569.5	4572.6	4574.1	4575.6	4580.2	4581.7	4586.3	4589.3	4592.3	4595.4
7.5°	4531.6	4536.1	4542.2	4545.2	4548.3	4554.4	4558.9	4566.5	4571.1	4577.1	4583.2
10°	4489.0	4495.1	4504.2	4507.3	4510.3	4517.9	4527.0	4536.1	4543.7	4552.8	4560.4
12.5°	4426.7	4435.9	4446.5	4449.5	4454.1	4464.7	4475.4	4489.0	4499.7	4511.8	4524.0
15°	4349.3	4361.4	4369.0	4372.1	4378.1	4393.3	4404.0	4419.1	4435.9	4454.1	4467.8
17.5°	4241.4	4247.5	4261.2	4267.2	4274.8	4290.0	4306.7	4325.0	4340.2	4359.9	4381.2
20°	4100.1	4109.2	4126.0	4132.0	4141.1	4154.8	4179.1	4194.3	4218.6	4242.9	4258.1
22.5°	3923.9	3940.6	3957.3	3964.9	3971.0	3987.7	4004.4	4030.3	4050.0	4083.4	4103.2
25°	3741.6	3746.2	3759.8	3773.5	3776.6	3797.8	3817.6	3848.0	3867.7	3889.0	3916.3
27.5°	3532.0	3538.1	3559.3	3562.4	3563.9	3586.7	3609.5	3633.8	3650.5	3674.8	3688.4
30°	3313.2	3323.9	3333.0	3339.0	3349.7	3360.3	3381.6	3412.0	3424.1	3445.4	3463.6
32.5°	3089.9	3089.9	3111.2	3112.7	3118.8	3143.1	3155.2	3173.5	3194.7	3211.4	3209.9
35°	2868.1	2874.2	2881.8	2892.4	2897.0	2912.2	2916.7	2930.4	2944.1	2956.2	2971.4
37.5°	2638.7	2638.7	2655.4	2663.0	2667.6	2675.2	2682.8	2696.5	2704.1	2708.6	2717.7
40°	2420.0	2426.0	2429.1	2432.1	2432.1	2442.8	2448.8	2459.5	2464.0	2476.2	2470.1
42.5°	2198.2	2195.1	2196.7	2204.3	2205.8	2211.9	2216.4	2222.5	2228.6	2225.5	2236.2
45°	1962.7	1964.2	1967.3	1967.3	1971.8	1979.4	1987.0	1990.1	1994.6	2002.2	2003.7
47.5°	1716.6	1724.2	1719.7	1731.8	1734.8	1736.4	1754.6	1756.1	1771.3	1774.3	1774.3
50°	1487.2	1487.2	1496.3	1500.9	1503.9	1508.5	1514.6	1520.6	1525.2	1535.8	1538.9
52.5°	1280.6	1283.7	1283.7	1279.1	1283.7	1283.7	1298.9	1300.4	1298.9	1301.9	1306.5
55°	1095.3	1096.8	1087.7	1093.8	1092.3	1087.7	1090.7	1081.6	1080.1	1084.7	1081.6
57.5°	917.6	911.5	910.0	902.4	902.4	894.8	887.2	887.2	881.1	870.5	868.9
60°	758.0	748.9	742.9	738.3	726.1	718.5	707.9	698.8	686.6	673.0	665.4
62.5°	607.7	597.0	584.9	578.8	569.7	551.4	537.8	524.1	504.4	492.2	480.0
65°	474.0	457.3	437.5	428.4	419.3	402.6	384.3	361.6	341.8	325.1	303.8
67.5°	343.3	325.1	305.3	291.7	282.6	262.8	241.5	221.8	199.0	180.8	170.1
70°	224.8	202.0	183.8	173.2	164.1	144.3	124.6	107.9	97.2	92.7	91.1
72.5°	127.6	104.8	91.1	80.5	72.9	59.2	48.6	42.5	39.5	38.0	34.9
75°	54.7	41.0	31.9	25.8	22.8	18.2	16.7	16.7	16.7	15.2	15.2
77.5°	19.7	13.7	10.6	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
80°	6.1	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	3.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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 EX6C1009027 6LBSQLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4	4598.4
2.5°	4601.4	4604.5	4604.5	4606.0	4607.5	4607.5	4607.5	4607.5
5°	4598.4	4601.4	4603.0	4604.5	4606.0	4607.5	4607.5	4607.5
7.5°	4586.3	4592.3	4593.8	4596.9	4599.9	4601.4	4601.4	4603.0
10°	4568.0	4574.1	4578.7	4581.7	4584.7	4587.8	4590.8	4590.8
12.5°	4534.6	4543.7	4549.8	4552.8	4560.4	4563.5	4566.5	4569.5
15°	4479.9	4492.1	4499.7	4505.7	4511.8	4520.9	4522.4	4527.0
17.5°	4397.9	4414.6	4417.6	4426.7	4434.3	4449.5	4448.0	4449.5
20°	4279.4	4297.6	4303.7	4312.8	4325.0	4335.6	4344.7	4337.1
22.5°	4121.4	4142.7	4151.8	4160.9	4168.5	4177.6	4189.8	4191.3
25°	3934.5	3952.8	3960.4	3966.4	3981.6	3989.2	4001.4	4002.9
27.5°	3720.3	3731.0	3741.6	3744.7	3761.4	3765.9	3776.6	3776.6
30°	3477.3	3489.4	3501.6	3506.2	3510.7	3515.3	3522.9	3527.4
32.5°	3228.2	3240.3	3244.9	3252.5	3254.0	3261.6	3258.5	3270.7
35°	2979.0	2982.1	2986.6	2985.1	2995.7	2994.2	3006.4	3004.8
37.5°	2728.4	2725.3	2732.9	2740.5	2737.5	2734.4	2739.0	2731.4
40°	2477.7	2479.2	2480.7	2488.3	2480.7	2485.3	2482.3	2480.7
42.5°	2243.8	2243.8	2234.6	2243.8	2237.7	2234.6	2240.7	2231.6
45°	2006.8	2005.3	2006.8	2008.3	2008.3	2008.3	2002.2	2008.3
47.5°	1781.9	1783.5	1777.4	1788.0	1785.0	1778.9	1778.9	1774.3
50°	1543.4	1552.6	1563.2	1554.1	1561.7	1557.1	1552.6	1557.1
52.5°	1317.1	1323.2	1315.6	1317.1	1333.8	1333.8	1324.7	1323.2
55°	1075.5	1075.5	1078.6	1080.1	1081.6	1101.4	1090.7	1093.8
57.5°	859.8	859.8	855.3	864.4	858.3	850.7	858.3	838.6
60°	653.2	651.7	647.1	641.1	625.9	621.3	604.6	603.1
62.5°	464.9	448.1	442.1	429.9	413.2	408.6	391.9	390.4
65°	288.6	268.9	262.8	256.7	249.1	247.6	241.5	244.6
67.5°	164.1	161.0	159.5	155.0	151.9	148.9	148.9	147.4
70°	86.6	80.5	79.0	77.5	77.5	71.4	69.9	72.9
72.5°	33.4	30.4	30.4	30.4	28.9	28.9	28.9	28.9
75°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
77.5°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	0.0	0.0	0.0	0.0	1.5
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)