

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: P684594

Luminaire Tested: **LX6C75D010 EX6C759050 6LCSWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684594
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252284)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C75D010 EX6C759050 6LCSWH
Description: 6 INCH 7500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

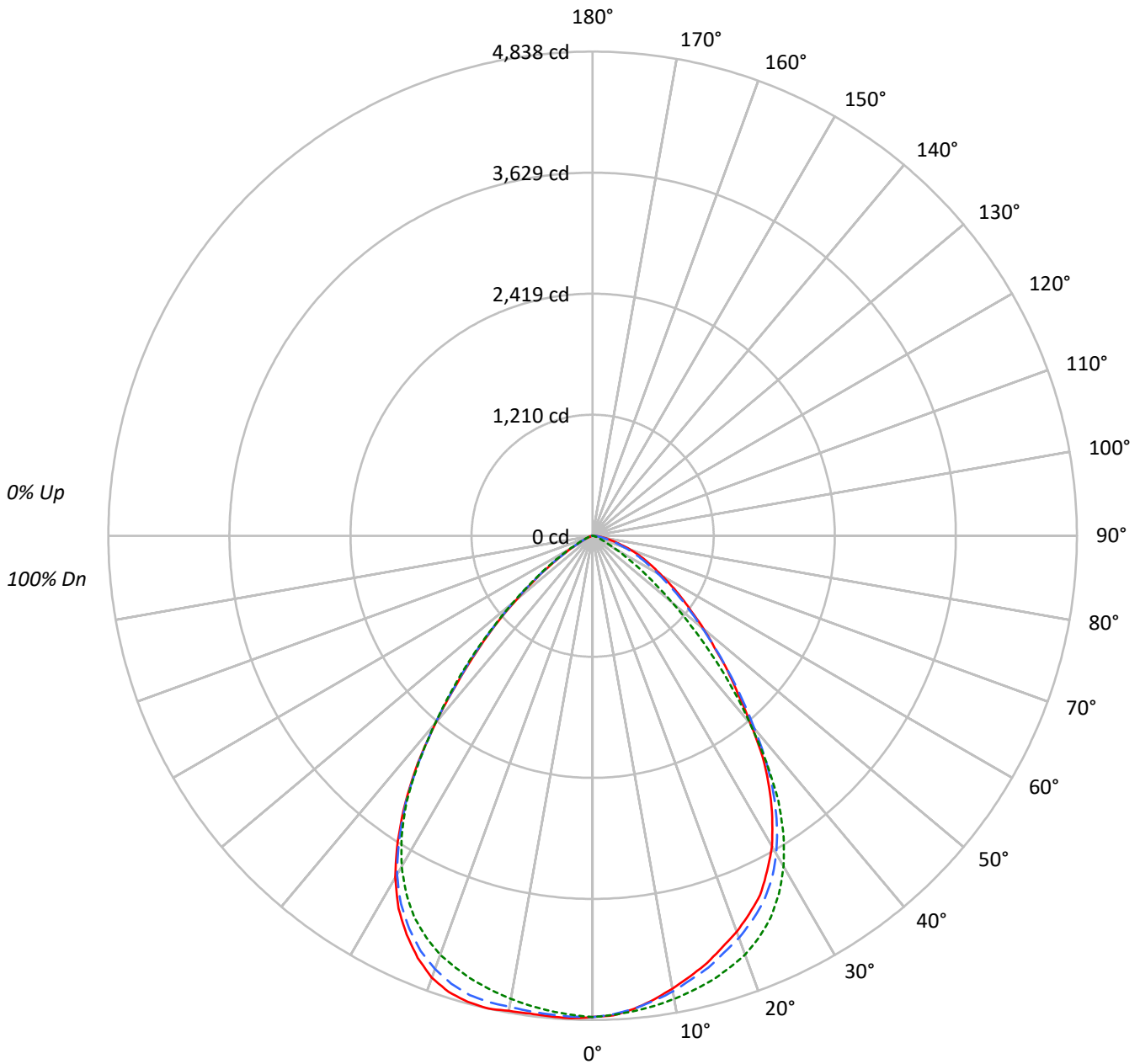
Lumens per Lamp: N/A
Luminaire Lumens: 8068.0 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 81.5
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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80			80
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72			72
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	69	66	64			64
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58			58
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52			52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47			47
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43			43
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40			40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	263636	263636	263636
5°	261121	262398	265281
10°	255740	261552	268348
15°	250847	261063	273594
20°	245646	259874	274109
25°	239590	254694	265933
30°	226845	241543	249633
35°	206003	216503	218444
40°	175822	174978	174148
45°	147682	131021	126974
50°	123348	88662	84210
55°	103805	54402	49413
60°	87888	28660	24834
65°	76091	15073	12038
70°	63296	9312	6508
75°	46767	6142	3707
80°	36684	3662	1863
85°	29248	3711	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.2	5.6
10°-20°	1297.7	16.1
20°-30°	1916.3	23.8
30°-40°	1974.9	24.5
40°-50°	1364.0	16.9
50°-60°	672.3	8.3
60°-70°	272.4	3.4
70°-80°	97.1	1.2
80°-90°	20.1	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°	3667.2	45.5
0°-40°	5642.0	69.9
0°-60°	7678.4	95.2
0°-90°	8068.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8068.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	4809	4809	4809	4809	4809	
5°	4745	4745	4768	4803	4821	448
15°	4420	4466	4600	4751	4821	1244
25°	3961	4037	4211	4333	4396	1811
35°	3078	3154	3235	3252	3264	1907
45°	1905	1916	1690	1667	1638	1473
55°	1086	1046	569	534	517	981
65°	587	528	116	93	93	583
75°	221	186	29	18	18	248
85°	46	35	6	0	0	57
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°	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1
2.5°	4797.3	4780.1	4791.6	4768.3	4797.3	4768.3	4774.2	4780.1	4774.2	4780.1	4785.7
5°	4745.1	4727.6	4745.1	4716.1	4745.1	4727.6	4727.6	4733.5	4733.5	4739.2	4745.1
7.5°	4675.4	4658.0	4675.4	4646.4	4681.1	4663.9	4663.9	4675.4	4669.6	4675.4	4687.0
10°	4594.2	4570.8	4588.3	4570.8	4605.8	4582.4	4594.2	4594.2	4594.2	4611.5	4623.2
12.5°	4507.1	4483.7	4507.1	4478.0	4512.7	4495.5	4501.2	4518.6	4524.3	4536.1	4541.8
15°	4419.9	4390.9	4402.4	4385.0	4419.9	4402.4	4408.3	4431.5	4431.5	4449.0	4466.4
17.5°	4309.6	4286.2	4309.6	4286.2	4315.3	4303.7	4315.3	4332.8	4332.8	4350.2	4367.5
20°	4210.7	4187.5	4205.0	4187.5	4222.5	4205.0	4210.7	4234.0	4239.7	4257.2	4274.7
22.5°	4088.8	4071.3	4082.9	4065.7	4100.4	4088.8	4094.7	4117.9	4123.8	4135.3	4164.4
25°	3961.0	3926.1	3943.6	3932.0	3966.9	3949.5	3961.0	3984.2	3996.0	4013.2	4036.6
27.5°	3775.2	3757.7	3769.3	3769.3	3798.3	3781.1	3786.7	3810.1	3827.4	3844.8	3873.9
30°	3583.6	3554.6	3566.2	3571.8	3595.2	3583.6	3595.2	3618.4	3624.3	3647.4	3670.6
32.5°	3339.7	3327.9	3351.2	3339.7	3351.2	3351.2	3356.9	3374.4	3386.0	3397.8	3426.8
35°	3078.2	3055.1	3078.2	3066.7	3095.7	3078.2	3095.7	3113.2	3113.2	3136.3	3153.8
37.5°	2793.6	2764.6	2776.2	2776.2	2787.8	2782.1	2782.1	2811.1	2816.8	2834.3	2851.7
40°	2456.9	2445.1	2468.4	2462.5	2468.4	2468.4	2474.1	2491.6	2503.2	2509.1	2515.0
42.5°	2154.8	2160.5	2166.4	2166.4	2166.4	2166.4	2166.4	2189.5	2183.9	2201.3	2207.0
45°	1904.9	1881.8	1893.4	1887.7	1904.9	1887.7	1904.9	1922.4	1910.8	1928.3	1916.5
47.5°	1649.4	1649.4	1649.4	1643.7	1655.3	1649.4	1661.0	1666.9	1666.9	1666.9	1661.0
50°	1446.3	1428.8	1434.5	1434.5	1440.4	1434.5	1446.3	1452.0	1452.0	1440.4	1417.2
52.5°	1248.6	1243.0	1243.0	1254.5	1254.5	1248.6	1248.6	1248.6	1248.6	1231.4	1219.6
55°	1086.1	1074.6	1080.2	1080.2	1080.2	1080.2	1080.2	1086.1	1080.2	1080.2	1045.5
57.5°	940.9	929.3	929.3	929.3	935.0	929.3	929.3	929.3	923.4	906.0	882.8
60°	801.6	795.7	801.6	801.6	807.2	801.6	801.6	801.6	790.0	772.5	749.1
62.5°	685.4	685.4	685.4	691.0	691.0	685.4	685.4	679.5	673.8	650.4	627.3
65°	586.6	580.7	586.6	586.6	592.3	592.3	586.6	580.7	575.1	551.7	528.5
67.5°	487.9	482.0	487.9	487.9	493.6	487.9	487.9	487.9	470.4	458.9	435.5
70°	394.9	389.2	389.2	389.2	394.9	383.3	389.2	389.2	377.6	360.2	336.8
72.5°	302.1	302.1	302.1	302.1	302.1	302.1	296.2	296.2	284.6	267.1	255.5
75°	220.8	220.8	226.5	226.5	220.8	220.8	220.8	214.9	209.0	197.4	185.9
77.5°	162.7	162.7	162.7	162.7	156.8	156.8	156.8	150.9	145.2	139.3	127.8
80°	116.2	116.2	116.2	110.3	116.2	110.3	110.3	110.3	98.7	92.8	87.1
82.5°	81.2	75.6	75.6	75.6	75.6	75.6	75.6	69.7	69.7	64.0	58.1
85°	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	40.6	34.9	34.9
87.5°	23.2	29.0	29.0	29.0	29.0	29.0	29.0	23.2	23.2	23.2	17.5
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°	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1
2.5°	4785.7	4785.7	4797.3	4780.1	4809.1	4791.6	4785.7	4814.8	4797.3	4791.6	4803.2
5°	4745.1	4751.0	4756.7	4745.1	4774.2	4756.7	4756.7	4785.7	4774.2	4768.3	4785.7
7.5°	4692.9	4698.6	4710.2	4704.5	4727.6	4716.1	4722.0	4751.0	4739.2	4739.2	4756.7
10°	4628.9	4640.5	4652.3	4652.3	4681.1	4669.6	4669.6	4704.5	4692.9	4698.6	4722.0
12.5°	4553.4	4570.8	4588.3	4594.2	4623.2	4605.8	4611.5	4652.3	4646.4	4652.3	4675.4
15°	4472.1	4495.5	4512.7	4512.7	4547.7	4530.2	4547.7	4588.3	4576.7	4599.9	4628.9
17.5°	4379.3	4402.4	4425.6	4431.5	4466.4	4454.6	4478.0	4518.6	4518.6	4530.2	4565.2
20°	4292.1	4321.2	4332.8	4350.2	4385.0	4379.3	4390.9	4437.4	4437.4	4454.6	4489.6
22.5°	4175.9	4205.0	4228.1	4245.6	4274.7	4274.7	4292.1	4332.8	4332.8	4344.3	4379.3
25°	4048.2	4082.9	4100.4	4117.9	4146.9	4141.0	4158.5	4193.4	4199.1	4210.7	4245.6
27.5°	3885.5	3914.5	3937.9	3949.5	3990.1	3966.9	3984.2	4025.0	4019.1	4030.7	4059.8
30°	3682.3	3711.4	3734.5	3734.5	3769.3	3769.3	3786.7	3804.2	3804.2	3815.8	3839.2
32.5°	3444.1	3479.0	3479.0	3496.5	3519.6	3496.5	3519.6	3542.8	3531.2	3548.7	3566.2
35°	3171.1	3188.5	3194.4	3194.4	3211.9	3206.0	3200.1	3217.6	3206.0	3235.1	3252.5
37.5°	2840.2	2863.3	2851.7	2863.3	2857.4	2840.2	2840.2	2869.2	2845.8	2851.7	2869.2
40°	2520.6	2520.6	2515.0	2485.9	2491.6	2474.1	2468.4	2474.1	2451.0	2445.1	2468.4
42.5°	2189.5	2183.9	2166.4	2125.8	2131.4	2102.4	2079.2	2079.2	2067.7	2061.8	2067.7
45°	1893.4	1875.9	1846.9	1800.6	1788.8	1765.6	1719.1	1707.5	1690.0	1690.0	1695.9
47.5°	1620.4	1597.2	1550.7	1498.5	1469.4	1440.4	1393.9	1376.4	1347.4	1335.8	1347.4
50°	1393.9	1353.3	1295.2	1219.6	1190.5	1155.8	1109.3	1080.2	1051.2	1039.6	1033.7
52.5°	1184.9	1126.8	1068.7	975.8	952.5	917.7	853.8	824.7	795.7	772.5	772.5
55°	1004.7	952.5	871.2	784.1	749.1	714.4	650.4	609.8	580.7	569.2	557.6
57.5°	842.2	784.1	708.5	615.7	580.7	546.0	482.0	441.4	412.4	394.9	383.3
60°	708.5	644.7	569.2	487.9	447.3	412.4	348.6	307.7	278.7	261.4	249.6
62.5°	580.7	528.5	453.0	377.6	342.7	307.7	255.5	214.9	185.9	174.3	156.8
65°	487.9	435.5	365.8	302.1	273.0	238.1	191.8	156.8	133.7	116.2	104.6
67.5°	394.9	354.3	296.2	238.1	209.0	185.9	145.2	116.2	92.8	81.2	75.6
70°	313.6	273.0	226.5	180.0	162.7	139.3	110.3	81.2	69.7	58.1	52.2
72.5°	232.4	203.3	168.4	133.7	116.2	104.6	75.6	64.0	46.5	40.6	34.9
75°	168.4	145.2	121.9	92.8	81.2	75.6	58.1	40.6	34.9	29.0	23.2
77.5°	116.2	104.6	81.2	64.0	58.1	52.2	40.6	29.0	23.2	17.5	17.5
80°	75.6	64.0	52.2	40.6	40.6	34.9	23.2	17.5	17.5	11.6	11.6
82.5°	46.5	40.6	34.9	29.0	23.2	23.2	17.5	11.6	11.6	5.9	5.9
85°	29.0	23.2	17.5	17.5	11.6	11.6	11.6	5.9	5.9	5.9	5.9
87.5°	11.6	11.6	11.6	5.9	5.9	5.9	5.9	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):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1
2.5°	4803.2	4803.2	4814.8	4797.3	4809.1	4809.1	4820.7	4797.3	4809.1	4814.8	4826.4
5°	4780.1	4785.7	4797.3	4791.6	4797.3	4797.3	4809.1	4780.1	4803.2	4803.2	4820.7
7.5°	4756.7	4756.7	4768.3	4762.6	4774.2	4780.1	4791.6	4768.3	4791.6	4791.6	4809.1
10°	4727.6	4727.6	4745.1	4739.2	4756.7	4762.6	4780.1	4756.7	4780.1	4785.7	4803.2
12.5°	4687.0	4692.9	4710.2	4710.2	4727.6	4739.2	4756.7	4745.1	4774.2	4780.1	4803.2
15°	4640.5	4652.3	4675.4	4669.6	4687.0	4704.5	4727.6	4710.2	4751.0	4762.6	4785.7
17.5°	4582.4	4594.2	4611.5	4611.5	4628.9	4640.5	4669.6	4658.0	4692.9	4698.6	4727.6
20°	4495.5	4512.7	4536.1	4530.2	4547.7	4559.3	4582.4	4570.8	4605.8	4617.4	4646.4
22.5°	4390.9	4402.4	4419.9	4419.9	4437.4	4449.0	4472.1	4454.6	4489.6	4495.5	4518.6
25°	4251.5	4263.1	4274.7	4280.6	4297.8	4303.7	4315.3	4303.7	4332.8	4338.7	4367.5
27.5°	4071.3	4077.2	4094.7	4094.7	4106.3	4112.0	4129.4	4106.3	4146.9	4146.9	4164.4
30°	3856.4	3850.7	3873.9	3862.3	3873.9	3873.9	3891.4	3879.8	3908.8	3897.3	3914.5
32.5°	3571.8	3583.6	3583.6	3571.8	3595.2	3589.3	3589.3	3577.7	3595.2	3600.9	3612.5
35°	3240.9	3258.2	3258.2	3264.1	3270.0	3252.5	3258.2	3223.5	3252.5	3258.2	3264.1
37.5°	2880.8	2863.3	2874.9	2857.4	2886.5	2851.7	2851.7	2828.6	2851.7	2851.7	2857.4
40°	2468.4	2462.5	2474.1	2462.5	2456.9	2451.0	2439.4	2421.9	2445.1	2433.5	2451.0
42.5°	2079.2	2073.3	2073.3	2061.8	2056.1	2056.1	2044.5	2032.7	2027.0	2027.0	2056.1
45°	1678.5	1690.0	1678.5	1672.8	1684.4	1672.8	1678.5	1655.3	1666.9	1655.3	1666.9
47.5°	1341.7	1347.4	1335.8	1324.2	1341.7	1324.2	1324.2	1306.7	1330.1	1330.1	1318.3
50°	1039.6	1033.7	1022.1	1033.7	1028.0	1028.0	1028.0	1010.6	1022.1	1004.7	1016.5
52.5°	766.6	760.9	760.9	755.0	760.9	755.0	755.0	749.1	749.1	743.5	749.1
55°	557.6	551.7	540.1	540.1	540.1	546.0	540.1	534.4	534.4	528.5	534.4
57.5°	377.6	365.8	365.8	365.8	365.8	360.2	360.2	354.3	360.2	354.3	360.2
60°	244.0	244.0	232.4	232.4	232.4	232.4	232.4	226.5	232.4	232.4	232.4
62.5°	150.9	150.9	145.2	139.3	145.2	139.3	139.3	139.3	145.2	139.3	145.2
65°	98.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
67.5°	69.7	64.0	64.0	64.0	64.0	64.0	64.0	58.1	64.0	64.0	64.0
70°	46.5	46.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
72.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
75°	23.2	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
77.5°	17.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
80°	11.6	11.6	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
82.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
85°	5.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
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: P684594

CATALOG NUMBER: LX6C75D010 EX6C759050 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1	4809.1
2.5°	4809.1	4814.8	4803.2	4809.1	4797.3	4809.1	4814.8	4826.4
5°	4797.3	4803.2	4791.6	4803.2	4791.6	4803.2	4809.1	4820.7
7.5°	4785.7	4797.3	4785.7	4797.3	4785.7	4797.3	4803.2	4814.8
10°	4785.7	4803.2	4791.6	4809.1	4791.6	4803.2	4814.8	4820.7
12.5°	4785.7	4803.2	4797.3	4809.1	4803.2	4814.8	4826.4	4837.9
15°	4774.2	4791.6	4780.1	4797.3	4791.6	4797.3	4820.7	4820.7
17.5°	4710.2	4727.6	4727.6	4739.2	4739.2	4756.7	4768.3	4780.1
20°	4628.9	4646.4	4640.5	4658.0	4658.0	4675.4	4687.0	4698.6
22.5°	4507.1	4530.2	4524.3	4541.8	4536.1	4547.7	4570.8	4565.2
25°	4350.2	4379.3	4373.4	4385.0	4379.3	4379.3	4390.9	4396.5
27.5°	4158.5	4175.9	4170.1	4181.8	4170.1	4181.8	4193.4	4199.1
30°	3908.8	3920.4	3914.5	3920.4	3914.5	3926.1	3932.0	3943.6
32.5°	3606.8	3624.3	3606.8	3618.4	3612.5	3612.5	3635.8	3624.3
35°	3246.6	3252.5	3258.2	3258.2	3246.6	3252.5	3264.1	3264.1
37.5°	2845.8	2874.9	2840.2	2857.4	2851.7	2851.7	2851.7	2869.2
40°	2427.8	2433.5	2421.9	2421.9	2421.9	2416.0	2439.4	2433.5
42.5°	2032.7	2038.6	2032.7	2015.5	2021.1	2021.1	2038.6	2015.5
45°	1649.4	1661.0	1655.3	1655.3	1643.7	1643.7	1649.4	1637.8
47.5°	1306.7	1318.3	1301.1	1306.7	1295.2	1306.7	1301.1	1312.6
50°	993.1	1004.7	999.0	1004.7	1004.7	993.1	1010.6	987.4
52.5°	743.5	749.1	743.5	737.6	731.9	731.9	743.5	737.6
55°	528.5	522.6	522.6	522.6	528.5	528.5	522.6	517.0
57.5°	354.3	354.3	348.6	348.6	354.3	342.7	348.6	342.7
60°	226.5	226.5	226.5	226.5	220.8	226.5	226.5	226.5
62.5°	139.3	139.3	139.3	139.3	139.3	139.3	139.3	139.3
65°	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
67.5°	58.1	64.0	64.0	64.0	58.1	58.1	58.1	58.1
70°	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
72.5°	29.0	29.0	29.0	29.0	29.0	29.0	29.0	29.0
75°	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
77.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
80°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
82.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	5.9	5.9	5.9	5.9	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)