

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: P684159

Luminaire Tested: **LX6C25D010 EX6C259050 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C25D010 EX6C259050 6LBLWWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 5000K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

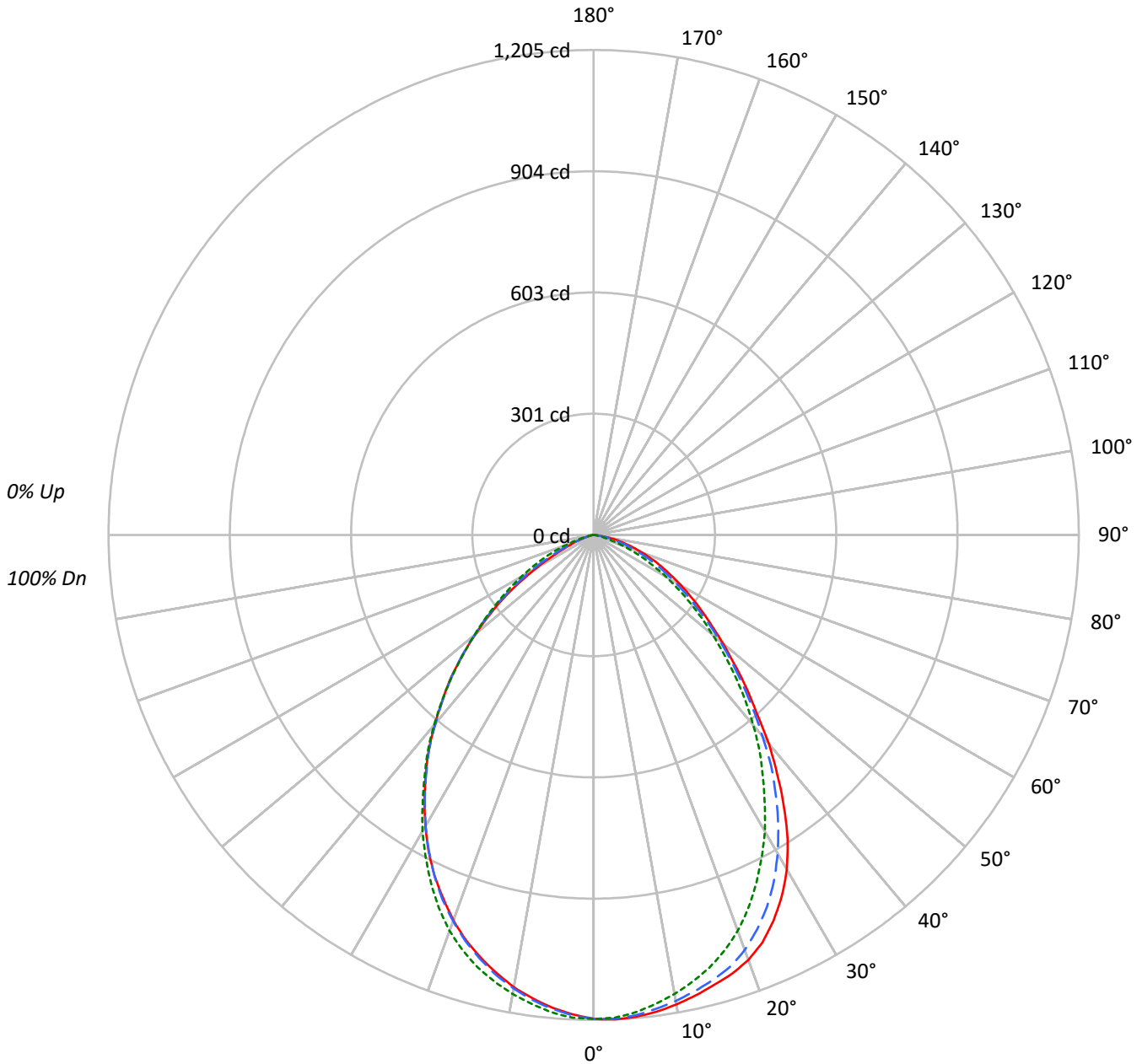
Lumens per Lamp: N/A
Luminaire Lumens: 2187.0 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78			78
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68			68
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60			60
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54			54
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48			48
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43			43
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39			39
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36			36
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33			33

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	65910	65910	65910
5°	66140	65540	64896
10°	65936	64478	63531
15°	65693	63145	61675
20°	65543	61063	59435
25°	63947	57790	56519
30°	60756	53825	52932
35°	55151	49008	48687
40°	48384	44104	43875
45°	41485	38539	38849
50°	35709	32843	32673
55°	31206	27736	26035
60°	27432	22728	17773
65°	24010	17615	10689
70°	20468	11861	6283
75°	16521	6164	3431
80°	11491	2431	1926
85°	4592	755	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.7	5.2
10°-20°	314.6	14.4
20°-30°	447.7	20.5
30°-40°	471.2	21.5
40°-50°	392.7	18.0
50°-60°	265.3	12.1
60°-70°	134.5	6.2
70°-80°	43.4	2.0
80°-90°	5.0	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°	874.9	40.0
0°-40°	1346.1	61.6
0°-60°	2004.1	91.6
0°-90°	2187.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2187.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1202	1202	1202	1202	1202	
5°	1202	1198	1191	1182	1179	114
15°	1158	1145	1113	1090	1087	327
25°	1057	1019	955	936	934	485
35°	824	788	732	725	728	513
45°	535	521	497	499	501	414
55°	326	311	290	281	272	294
65°	185	167	136	98	82	184
75°	78	61	29	16	16	84
85°	7	4	1	2	2	13
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°	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3
2.5°	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1204.8	1204.8	1203.9	1203.9	1203.5
5°	1201.9	1202.3	1202.3	1201.9	1201.9	1201.1	1201.1	1200.7	1199.5	1198.7	1198.3
7.5°	1195.1	1195.1	1194.7	1194.2	1193.8	1192.6	1192.2	1191.0	1190.2	1189.4	1187.8
10°	1184.5	1184.5	1184.1	1183.3	1182.9	1182.1	1182.1	1180.5	1178.9	1176.9	1175.7
12.5°	1172.0	1172.4	1171.6	1171.2	1170.0	1169.6	1168.8	1166.8	1165.6	1163.1	1161.1
15°	1157.5	1158.3	1158.3	1156.7	1155.4	1155.0	1153.8	1152.6	1149.8	1147.4	1144.9
17.5°	1143.3	1144.1	1143.3	1142.1	1140.9	1139.3	1138.5	1136.1	1132.4	1129.2	1125.5
20°	1123.5	1124.7	1123.1	1121.1	1118.7	1118.3	1117.1	1113.0	1107.8	1102.9	1097.7
22.5°	1095.6	1094.8	1093.6	1092.8	1088.8	1086.3	1084.7	1079.5	1073.8	1067.3	1060.9
25°	1057.2	1058.9	1056.4	1052.8	1050.8	1048.4	1044.3	1038.7	1033.4	1026.5	1018.8
27.5°	1012.0	1012.0	1008.7	1007.5	1003.1	999.9	997.8	992.2	985.3	978.4	969.9
30°	959.8	957.4	957.4	951.8	948.1	946.9	944.9	935.6	929.5	922.3	913.8
32.5°	896.8	896.4	894.8	891.1	886.3	882.2	882.2	875.8	867.7	858.8	853.6
35°	824.1	824.5	823.6	819.6	819.6	814.8	813.9	808.3	801.8	795.0	788.5
37.5°	748.9	750.5	748.9	746.9	745.6	745.2	741.6	737.6	732.7	728.7	723.8
40°	676.1	673.7	674.5	670.5	670.9	670.1	668.5	663.2	660.4	656.3	651.1
42.5°	597.7	600.2	601.0	598.5	597.7	596.1	597.7	595.7	592.5	590.5	585.6
45°	535.1	532.7	533.9	533.1	533.5	530.2	529.0	528.2	527.0	523.4	521.3
47.5°	472.8	473.3	472.8	471.2	470.4	470.4	468.8	466.4	466.4	464.0	462.3
50°	418.7	418.7	419.5	417.5	416.7	415.1	415.5	413.0	411.4	409.4	408.2
52.5°	369.0	369.4	367.8	368.2	367.4	367.4	365.8	364.1	362.5	358.9	358.1
55°	326.5	327.0	324.9	325.7	323.3	322.1	321.3	318.9	318.9	315.2	310.8
57.5°	286.9	286.5	286.1	284.9	283.3	282.1	280.9	278.1	276.8	274.4	270.8
60°	250.2	249.8	249.0	248.5	247.3	244.5	244.5	242.5	238.4	236.0	232.4
62.5°	215.4	215.4	215.0	213.8	212.6	211.4	210.6	208.9	204.9	202.1	198.8
65°	185.1	184.7	183.5	181.5	180.7	180.7	177.8	176.6	173.4	170.5	166.9
67.5°	156.0	154.4	153.6	154.0	151.6	151.6	149.1	147.1	144.3	139.4	136.6
70°	127.7	126.9	126.1	125.3	124.9	123.3	122.1	119.6	116.8	113.2	108.7
72.5°	102.2	102.2	101.0	100.2	99.0	97.4	96.6	94.6	91.3	87.3	84.1
75°	78.0	78.0	78.0	76.4	75.6	74.8	72.3	71.1	67.5	65.1	61.0
77.5°	57.4	56.6	55.4	55.0	54.2	53.3	52.1	50.1	46.9	44.1	41.6
80°	36.4	37.6	36.4	36.4	34.4	33.5	33.1	30.7	29.5	27.1	25.1
82.5°	20.2	20.6	19.8	19.4	18.2	17.8	17.8	16.2	15.4	13.7	12.5
85°	7.3	7.7	7.3	7.3	6.5	6.9	6.5	6.1	5.3	4.4	4.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3
2.5°	1203.5	1202.7	1202.7	1202.3	1201.9	1201.9	1201.9	1201.5	1200.7	1200.7	1200.3
5°	1197.5	1196.7	1195.5	1194.7	1194.2	1193.8	1193.4	1193.0	1191.4	1191.0	1189.8
7.5°	1186.6	1185.8	1183.7	1182.9	1181.7	1181.3	1179.7	1178.9	1177.3	1175.7	1174.8
10°	1173.6	1171.6	1170.0	1168.0	1167.2	1166.0	1163.9	1161.5	1160.3	1158.3	1156.7
12.5°	1159.1	1156.7	1153.4	1151.0	1150.2	1148.2	1144.9	1142.9	1140.1	1136.9	1134.0
15°	1140.9	1138.1	1135.2	1130.8	1129.6	1127.2	1123.9	1119.9	1115.8	1112.6	1109.4
17.5°	1121.1	1116.7	1112.2	1107.4	1103.7	1102.5	1097.3	1091.6	1088.0	1082.3	1078.7
20°	1093.2	1087.1	1079.9	1075.0	1071.8	1068.2	1062.1	1056.0	1051.6	1046.7	1041.5
22.5°	1054.8	1049.2	1040.7	1033.4	1031.0	1025.7	1020.5	1014.8	1009.1	1003.9	997.4
25°	1009.6	1003.5	995.0	987.7	983.7	981.3	971.2	965.5	959.8	955.4	951.0
27.5°	963.1	952.2	946.5	935.2	931.6	930.7	921.4	915.4	909.3	903.3	897.6
30°	905.7	897.2	888.7	880.6	875.8	873.0	866.1	858.4	854.4	850.3	844.7
32.5°	846.3	838.6	828.1	820.4	816.8	812.7	806.7	801.4	795.4	790.9	789.7
35°	782.8	774.3	765.4	759.8	759.0	754.1	748.1	743.6	739.2	732.3	731.1
37.5°	714.9	710.1	704.0	695.9	692.3	692.3	686.2	683.0	677.3	676.9	673.7
40°	648.2	646.2	636.9	634.5	633.7	628.0	626.4	620.8	616.7	616.3	611.5
42.5°	582.4	577.1	575.5	571.5	567.8	567.0	563.4	561.0	559.3	556.9	554.5
45°	516.9	515.7	511.6	508.8	507.6	506.0	504.8	499.9	499.1	497.1	495.9
47.5°	460.3	457.1	453.5	450.2	449.8	447.4	444.6	444.6	440.1	439.7	438.9
50°	404.1	401.7	399.7	395.3	396.1	392.8	392.4	388.8	386.8	385.1	387.2
52.5°	354.8	350.0	349.2	345.5	344.3	344.7	340.3	339.1	338.3	336.7	335.8
55°	308.0	305.5	302.3	299.9	297.9	295.8	294.2	294.2	289.8	290.2	288.2
57.5°	266.7	264.7	260.7	257.0	256.2	253.8	251.8	249.8	249.4	246.5	244.5
60°	230.0	226.3	221.1	219.5	217.0	215.0	213.0	210.6	209.3	207.3	203.7
62.5°	195.6	189.5	187.5	184.3	181.5	180.2	177.0	174.2	172.2	169.3	166.5
65°	162.9	158.4	154.8	151.2	150.7	147.5	144.7	142.3	138.2	135.8	130.5
67.5°	133.0	128.9	124.9	121.2	118.4	117.6	113.2	110.3	107.5	102.7	98.2
70°	105.5	101.4	98.2	93.8	92.5	89.3	86.1	83.3	78.4	74.0	70.3
72.5°	80.4	76.0	72.3	69.1	67.1	64.3	61.0	57.8	52.9	48.5	45.3
75°	57.4	54.2	50.5	47.3	45.7	44.1	40.4	36.8	33.5	29.1	26.3
77.5°	38.8	35.6	32.3	29.5	27.5	26.3	23.8	21.0	18.2	15.8	13.7
80°	22.6	20.6	18.2	15.8	15.4	14.1	12.1	10.5	8.9	7.7	6.1
82.5°	10.9	9.7	8.1	6.9	6.1	5.7	4.8	4.0	3.2	2.8	2.8
85°	3.2	2.8	2.4	2.0	1.6	1.6	1.2	1.2	1.2	1.2	1.2
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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°	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3
2.5°	1199.1	1198.7	1198.3	1197.9	1197.1	1197.1	1195.9	1195.1	1195.1	1194.2	1193.8
5°	1188.6	1187.4	1187.0	1186.2	1185.4	1185.0	1183.3	1182.9	1182.1	1181.3	1181.3
7.5°	1173.6	1172.0	1170.4	1169.6	1169.2	1168.0	1167.2	1166.8	1165.6	1164.7	1163.1
10°	1153.8	1152.6	1150.6	1149.8	1149.0	1148.2	1146.2	1144.9	1144.5	1143.7	1142.9
12.5°	1130.8	1129.2	1127.2	1125.5	1124.7	1123.5	1121.5	1120.3	1120.3	1118.7	1118.7
15°	1106.1	1103.7	1100.1	1098.5	1098.1	1095.6	1094.0	1092.4	1090.4	1089.6	1089.6
17.5°	1074.6	1070.6	1067.3	1067.3	1065.7	1063.3	1060.9	1059.7	1058.5	1056.8	1056.0
20°	1037.4	1034.6	1031.0	1031.0	1027.3	1026.5	1024.1	1023.7	1020.9	1021.3	1020.1
22.5°	992.6	991.0	988.9	987.3	985.3	982.9	981.7	982.1	980.9	980.5	980.1
25°	947.3	942.9	940.4	939.6	938.8	936.8	936.0	935.6	935.6	934.4	934.8
27.5°	895.2	891.9	888.7	889.9	888.3	887.1	886.3	885.1	885.9	885.5	885.9
30°	841.8	837.8	835.8	836.6	836.2	832.9	834.6	834.2	834.6	834.6	835.4
32.5°	785.7	782.8	782.4	782.8	779.2	779.6	778.0	780.4	780.8	783.2	781.2
35°	728.7	727.1	724.2	723.8	724.2	723.8	723.8	725.4	725.0	727.5	726.7
37.5°	670.1	669.3	666.4	667.2	665.6	668.5	669.3	668.5	671.3	670.5	670.1
40°	612.7	611.5	609.9	613.1	611.1	609.5	612.3	609.9	610.7	613.1	613.1
42.5°	554.5	552.5	552.5	552.5	552.1	552.1	553.3	554.5	553.7	554.1	557.3
45°	495.9	495.5	494.3	495.1	494.7	496.7	496.7	497.5	499.1	500.7	499.9
47.5°	439.3	438.5	439.7	438.9	439.3	438.1	438.9	441.3	443.3	440.5	443.3
50°	386.4	384.7	384.3	385.6	385.1	384.7	385.6	385.6	384.7	384.7	387.6
52.5°	335.8	334.2	333.0	335.0	333.8	334.2	332.6	332.6	333.4	332.6	331.4
55°	288.6	287.3	285.7	286.5	284.5	284.1	282.5	282.5	281.3	280.5	278.1
57.5°	243.3	242.5	238.8	238.4	238.8	236.0	233.2	232.0	228.7	227.9	227.5
60°	203.3	198.8	196.8	194.4	192.8	191.6	188.3	186.3	181.5	178.6	178.2
62.5°	161.7	159.6	157.2	153.6	152.8	148.7	145.5	140.2	137.8	134.2	130.5
65°	128.1	122.9	119.2	117.2	114.0	110.3	106.7	101.0	98.2	93.8	90.1
67.5°	93.8	89.3	84.5	82.8	80.0	75.6	71.9	67.1	64.7	60.6	59.4
70°	64.3	60.2	56.6	54.2	52.1	47.7	44.1	42.4	40.0	39.2	39.2
72.5°	41.2	37.6	33.5	32.3	30.7	28.3	25.9	25.1	25.9	25.5	25.5
75°	23.0	21.0	18.2	17.0	17.0	16.2	15.8	15.8	15.8	15.8	15.8
77.5°	11.7	10.5	9.7	9.3	9.3	9.3	9.7	9.7	9.7	10.1	9.7
80°	5.7	5.3	5.3	5.3	5.7	5.7	5.7	5.7	5.7	6.1	5.7
82.5°	2.8	2.8	2.8	2.8	2.8	2.8	3.2	3.2	3.2	3.2	3.2
85°	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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: P684159

CATALOG NUMBER: LX6C25D010 EX6C259050 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3	1202.3
2.5°	1193.4	1192.6	1192.6	1192.2	1192.2	1192.2	1192.2	1192.6
5°	1180.5	1180.1	1180.1	1179.3	1179.3	1179.3	1179.3	1179.3
7.5°	1163.1	1162.3	1162.7	1161.9	1161.9	1162.3	1161.9	1161.5
10°	1141.7	1141.3	1141.7	1141.7	1140.9	1140.5	1140.9	1141.3
12.5°	1117.5	1117.1	1116.2	1116.7	1116.7	1116.2	1115.8	1115.0
15°	1089.2	1088.8	1088.4	1088.0	1087.6	1088.0	1087.6	1086.7
17.5°	1056.0	1056.0	1055.6	1055.2	1054.8	1054.0	1054.4	1055.6
20°	1020.5	1020.1	1019.3	1019.7	1018.0	1017.2	1017.6	1018.8
22.5°	979.6	978.4	979.2	978.0	978.0	978.4	978.0	977.2
25°	935.2	933.6	934.4	934.8	934.8	934.4	934.0	934.4
27.5°	885.9	887.1	887.1	886.3	887.5	885.9	886.7	887.1
30°	835.4	834.2	833.8	835.4	837.8	835.8	835.8	836.2
32.5°	783.2	781.6	781.6	782.4	782.0	782.0	783.6	781.6
35°	727.5	728.3	725.0	727.1	727.9	727.1	727.5	727.5
37.5°	671.3	670.5	670.5	670.5	671.7	671.7	672.5	672.1
40°	615.9	614.3	613.9	614.7	613.1	614.3	614.3	613.1
42.5°	556.1	556.5	558.5	556.5	556.9	556.5	555.7	555.3
45°	500.7	501.9	501.1	500.7	501.1	499.5	499.9	501.1
47.5°	442.1	444.6	442.1	443.8	443.3	442.5	441.7	440.1
50°	387.2	388.0	387.6	387.2	386.8	386.4	384.3	383.1
52.5°	331.0	331.0	331.0	331.0	327.0	329.0	328.2	325.7
55°	276.0	277.2	275.6	275.6	272.8	272.8	272.0	272.4
57.5°	223.1	221.9	220.7	220.7	217.8	216.6	215.4	213.8
60°	173.8	172.6	171.0	168.9	166.1	166.1	165.3	162.1
62.5°	127.3	125.3	124.1	122.5	120.0	118.4	117.2	118.0
65°	87.3	85.3	83.7	83.7	83.7	82.8	82.4	82.4
67.5°	57.4	58.6	57.8	58.6	58.6	57.8	57.4	58.2
70°	39.6	39.6	39.2	39.2	39.2	39.2	38.8	39.2
72.5°	25.5	25.5	25.5	25.9	25.5	25.5	25.9	25.9
75°	16.2	16.2	16.2	16.6	16.2	16.2	16.6	16.2
77.5°	9.7	10.1	10.1	10.1	10.1	9.7	10.1	10.1
80°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
82.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
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)