

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: P563919

Luminaire Tested: **LX6C25D010 EX6C259030 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P563919
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 EX6C259030 6LBLWWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LRLWW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

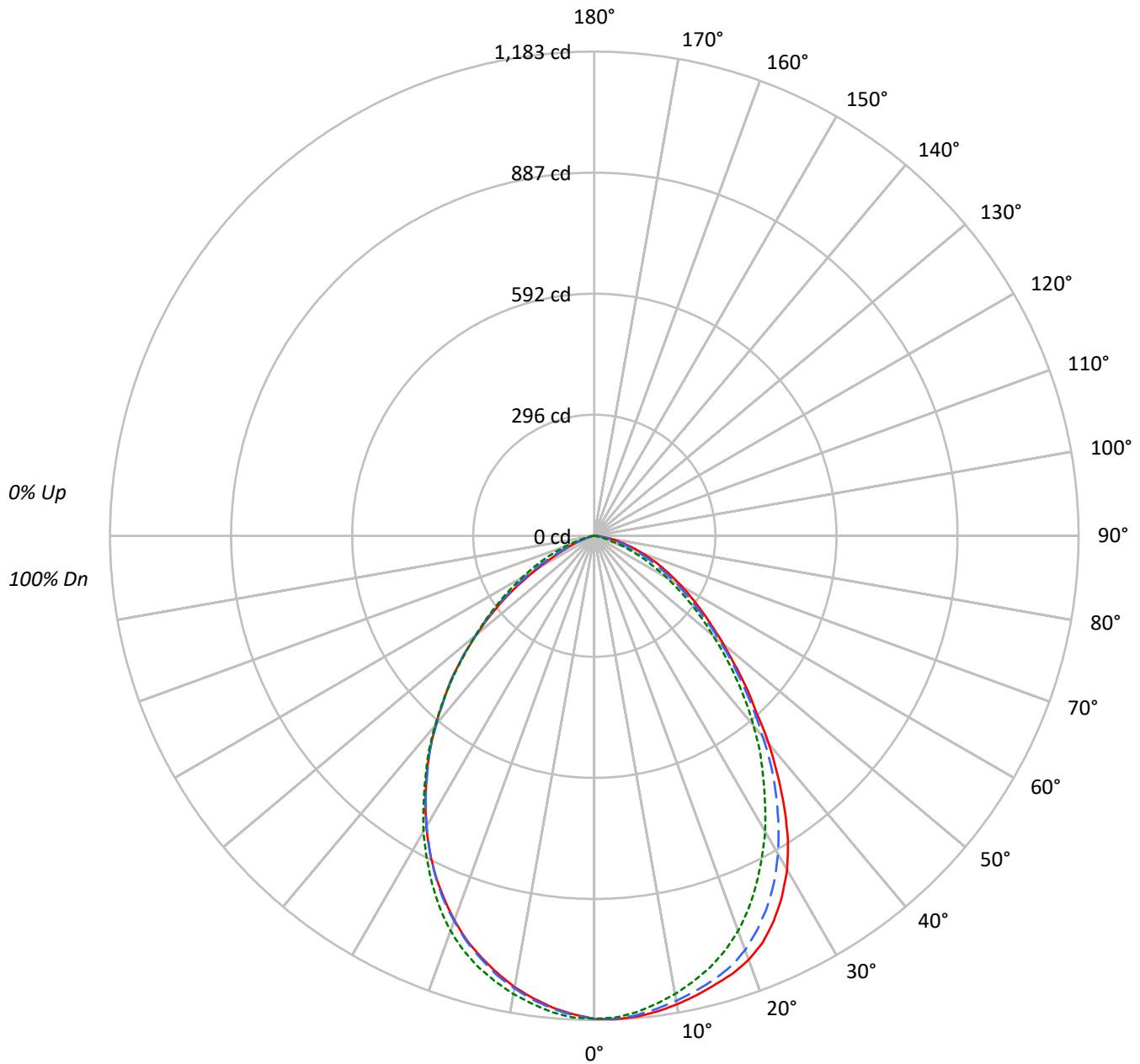
Lumens per Lamp: N/A
Luminaire Lumens: 2146.3 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V):
Input Current (Ain): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78		
3	95	87	80	74	93	85	79	74	82	77	73	80	75	71	77	73	70	68		
4	89	78	71	65	86	77	70	65	75	69	64	72	67	63	70	66	62	60		
5	82	71	63	58	80	70	63	57	68	62	57	66	61	56	64	60	56	54		
6	77	65	57	51	75	64	57	51	62	56	51	61	55	50	59	54	50	48		
7	71	59	52	46	70	59	51	46	57	51	46	56	50	45	55	49	45	43		
8	67	55	47	42	65	54	47	42	53	46	41	52	46	41	51	45	41	39		
9	63	51	43	38	62	50	43	38	49	42	38	48	42	38	47	42	38	36		
10	59	47	40	35	58	47	40	35	46	39	35	45	39	35	44	38	35	33		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	64688	64688	64688
5°	64907	64324	63691
10°	64712	63275	62346
15°	64467	61970	60528
20°	64324	59931	58333
25°	62756	56719	55467
30°	59623	52825	51945
35°	54121	48098	47776
40°	47482	43281	43059
45°	40710	37818	38128
50°	35044	32238	32067
55°	30632	27220	25547
60°	26928	22301	17444
65°	23569	17291	10494
70°	20084	11637	6171
75°	16225	6058	3368
80°	11270	2368	1863
85°	4466	755	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.6	5.2
10°-20°	308.7	14.4
20°-30°	439.3	20.5
30°-40°	462.4	21.5
40°-50°	385.4	18.0
50°-60°	260.4	12.1
60°-70°	132.0	6.2
70°-80°	42.6	2.0
80°-90°	4.9	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°	858.6	40.0
0°-40°	1321.1	61.6
0°-60°	1966.8	91.6
0°-90°	2146.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2146.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1180	1180	1180	1180	1180	
5°	1180	1176	1169	1160	1157	112
15°	1136	1124	1092	1070	1066	321
25°	1038	1000	938	918	917	475
35°	809	774	719	712	714	503
45°	525	512	488	490	492	406
55°	320	305	285	276	267	288
65°	182	164	133	96	81	181
75°	77	60	29	16	16	83
85°	7	4	1	2	2	12
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°	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0
2.5°	1182.7	1182.7	1182.7	1182.7	1182.7	1182.7	1182.3	1182.3	1181.6	1181.6	1181.2
5°	1179.5	1180.0	1180.0	1179.5	1179.5	1178.7	1178.7	1178.3	1177.2	1176.4	1176.0
7.5°	1172.8	1172.8	1172.4	1172.0	1171.6	1170.4	1170.1	1168.9	1168.1	1167.2	1165.7
10°	1162.5	1162.5	1162.2	1161.3	1160.9	1160.1	1160.1	1158.5	1157.0	1154.9	1153.8
12.5°	1150.2	1150.6	1149.8	1149.4	1148.2	1147.8	1147.0	1145.1	1143.8	1141.5	1139.5
15°	1135.9	1136.7	1136.7	1135.1	1134.0	1133.6	1132.3	1131.1	1128.4	1126.0	1123.6
17.5°	1122.1	1122.9	1122.1	1120.9	1119.6	1118.1	1117.3	1115.0	1111.3	1108.1	1104.6
20°	1102.6	1103.8	1102.2	1100.2	1097.9	1097.5	1096.2	1092.3	1087.2	1082.4	1077.2
22.5°	1075.3	1074.5	1073.2	1072.4	1068.5	1066.1	1064.5	1059.4	1053.8	1047.5	1041.1
25°	1037.5	1039.2	1036.7	1033.2	1031.2	1028.8	1024.8	1019.3	1014.1	1007.4	999.9
27.5°	993.1	993.1	989.9	988.8	984.4	981.3	979.3	973.7	967.0	960.2	951.9
30°	941.9	939.6	939.6	934.1	930.4	929.3	927.3	918.2	912.2	905.1	896.8
32.5°	880.1	879.7	878.1	874.6	869.8	865.8	865.8	859.4	851.5	842.9	837.7
35°	808.7	809.1	808.3	804.3	804.3	799.6	798.8	793.2	786.9	780.2	773.8
37.5°	734.9	736.6	734.9	733.0	731.8	731.4	727.8	723.8	719.1	715.1	710.3
40°	663.5	661.2	662.0	658.0	658.4	657.6	656.0	650.9	648.1	644.1	639.0
42.5°	586.6	589.0	589.8	587.4	586.6	585.0	586.6	584.6	581.4	579.5	574.7
45°	525.1	522.7	524.0	523.1	523.6	520.4	519.2	518.4	517.1	513.6	511.7
47.5°	464.0	464.5	464.0	462.4	461.7	461.7	460.1	457.7	457.7	455.3	453.8
50°	410.9	410.9	411.7	409.7	408.9	407.3	407.7	405.4	403.7	401.8	400.6
52.5°	362.1	362.5	360.9	361.3	360.5	360.5	359.0	357.3	355.8	352.2	351.4
55°	320.5	320.8	318.9	319.7	317.3	316.1	315.3	312.9	312.9	309.3	305.0
57.5°	281.6	281.3	280.8	279.6	278.0	276.9	275.7	272.9	271.7	269.4	265.7
60°	245.6	245.1	244.3	243.9	242.7	240.0	240.0	237.9	234.1	231.6	228.1
62.5°	211.4	211.4	211.0	209.8	208.6	207.4	206.6	205.1	201.1	198.4	195.1
65°	181.7	181.3	180.0	178.1	177.3	177.3	174.6	173.3	170.2	167.3	163.8
67.5°	153.1	151.5	150.7	151.2	148.7	148.7	146.4	144.3	141.6	136.8	134.1
70°	125.3	124.5	123.8	123.0	122.6	120.9	119.8	117.4	114.6	111.1	106.7
72.5°	100.3	100.3	99.2	98.4	97.1	95.6	94.8	92.8	89.6	85.6	82.5
75°	76.6	76.6	76.6	75.0	74.2	73.3	71.0	69.8	66.2	63.9	59.9
77.5°	56.4	55.5	54.3	53.9	53.1	52.4	51.2	49.1	46.0	43.2	40.9
80°	35.7	36.9	35.7	35.7	33.7	33.0	32.6	30.1	29.0	26.5	24.6
82.5°	19.8	20.2	19.4	19.0	17.8	17.5	17.5	15.9	15.1	13.5	12.3
85°	7.1	7.5	7.1	7.1	6.3	6.7	6.3	5.9	5.2	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°	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0
2.5°	1181.2	1180.4	1180.4	1180.0	1179.5	1179.5	1179.5	1179.1	1178.3	1178.3	1177.9
5°	1175.2	1174.4	1173.2	1172.4	1172.0	1171.6	1171.2	1170.8	1169.3	1168.9	1167.6
7.5°	1164.5	1163.7	1161.7	1160.9	1159.7	1159.3	1157.8	1157.0	1155.3	1153.8	1153.0
10°	1151.8	1149.8	1148.2	1146.3	1145.5	1144.2	1142.3	1139.9	1138.7	1136.7	1135.1
12.5°	1137.5	1135.1	1131.9	1129.6	1128.8	1126.8	1123.6	1121.7	1118.9	1115.7	1112.9
15°	1119.6	1116.9	1114.1	1109.8	1108.5	1106.2	1103.1	1099.1	1095.1	1091.9	1088.7
17.5°	1100.2	1095.8	1091.5	1086.8	1083.2	1082.0	1076.8	1071.3	1067.8	1062.2	1058.6
20°	1072.8	1066.9	1059.8	1055.0	1051.9	1048.2	1042.3	1036.3	1032.1	1027.3	1022.1
22.5°	1035.2	1029.6	1021.3	1014.1	1011.8	1006.6	1001.4	995.9	990.3	985.3	978.9
25°	990.8	984.9	976.5	969.4	965.4	963.0	953.1	947.5	941.9	937.7	933.3
27.5°	945.2	934.4	928.9	917.8	914.3	913.4	904.3	898.4	892.4	886.5	880.9
30°	888.8	880.5	872.1	864.2	859.4	856.7	850.0	842.4	838.5	834.5	828.9
32.5°	830.5	823.0	812.6	805.1	801.6	797.6	791.7	786.5	780.6	776.2	775.0
35°	768.3	760.0	751.2	745.6	744.9	740.1	734.1	729.7	725.5	718.7	717.5
37.5°	701.7	696.9	690.9	682.9	679.4	679.4	673.5	670.3	664.7	664.3	661.2
40°	636.2	634.2	625.1	622.7	621.9	616.3	614.8	609.2	605.2	604.8	600.0
42.5°	571.6	566.4	564.7	560.8	557.2	556.5	552.8	550.5	548.9	546.5	544.2
45°	507.3	506.1	502.1	499.3	498.1	496.6	495.4	490.6	489.8	487.8	486.6
47.5°	451.7	448.6	445.0	441.9	441.5	439.0	436.3	436.3	431.9	431.5	430.7
50°	396.6	394.3	392.2	387.9	388.7	385.5	385.1	381.6	379.5	378.0	379.9
52.5°	348.2	343.5	342.7	339.1	337.9	338.3	333.9	332.7	332.0	330.4	329.6
55°	302.2	299.9	296.7	294.3	292.3	290.3	288.8	288.8	284.4	284.8	282.8
57.5°	261.7	259.8	255.8	252.3	251.5	249.1	247.1	245.1	244.7	241.9	240.0
60°	225.7	222.2	217.0	215.3	213.0	211.0	209.0	206.6	205.5	203.4	199.9
62.5°	191.9	186.0	184.0	180.9	178.1	176.9	173.7	171.0	169.0	166.2	163.4
65°	159.8	155.4	151.9	148.3	147.9	144.7	142.0	139.7	135.7	133.3	128.1
67.5°	130.5	126.5	122.6	119.0	116.2	115.5	111.1	108.2	105.5	100.7	96.3
70°	103.6	99.6	96.3	92.1	90.8	87.7	84.5	81.7	76.9	72.6	69.0
72.5°	78.9	74.6	71.0	67.8	65.8	63.1	59.9	56.8	52.0	47.6	44.5
75°	56.4	53.1	49.5	46.4	44.9	43.2	39.7	36.1	33.0	28.6	25.7
77.5°	38.0	34.9	31.7	29.0	27.0	25.7	23.4	20.6	17.8	15.5	13.5
80°	22.2	20.2	17.8	15.5	15.1	13.8	11.9	10.3	8.7	7.5	5.9
82.5°	10.7	9.6	7.9	6.7	5.9	5.6	4.8	4.0	3.2	2.7	2.7
85°	3.2	2.7	2.3	1.9	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°	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0
2.5°	1176.8	1176.4	1176.0	1175.6	1174.8	1174.8	1173.6	1172.8	1172.8	1172.0	1171.6
5°	1166.4	1165.3	1164.9	1164.1	1163.3	1162.9	1161.3	1160.9	1160.1	1159.3	1159.3
7.5°	1151.8	1150.2	1148.6	1147.8	1147.4	1146.3	1145.5	1145.1	1143.8	1143.0	1141.5
10°	1132.3	1131.1	1129.2	1128.4	1127.6	1126.8	1124.8	1123.6	1123.2	1122.5	1121.7
12.5°	1109.8	1108.1	1106.2	1104.6	1103.8	1102.6	1100.6	1099.4	1099.4	1097.9	1097.9
15°	1085.6	1083.2	1079.6	1078.0	1077.6	1075.3	1073.7	1072.0	1070.1	1069.3	1069.3
17.5°	1054.6	1050.7	1047.5	1047.5	1045.9	1043.5	1041.1	1040.0	1038.8	1037.1	1036.3
20°	1018.1	1015.4	1011.8	1011.8	1008.2	1007.4	1005.0	1004.7	1001.8	1002.2	1001.0
22.5°	974.1	972.5	970.5	969.0	967.0	964.6	963.4	963.8	962.6	962.2	961.8
25°	929.7	925.3	922.9	922.2	921.4	919.3	918.5	918.2	918.2	917.0	917.4
27.5°	878.6	875.3	872.1	873.4	871.7	870.6	869.8	868.6	869.4	869.0	869.4
30°	826.2	822.2	820.2	821.0	820.6	817.4	819.0	818.6	819.0	819.0	819.9
32.5°	771.0	768.3	767.9	768.3	764.7	765.0	763.5	765.8	766.3	768.7	766.7
35°	715.1	713.6	710.7	710.3	710.7	710.3	710.3	711.9	711.5	713.9	713.2
37.5°	657.6	656.8	654.1	654.9	653.2	656.0	656.8	656.0	658.7	658.0	657.6
40°	601.3	600.0	598.5	601.7	599.7	598.1	600.9	598.5	599.3	601.7	601.7
42.5°	544.2	542.2	542.2	542.2	541.8	541.8	543.0	544.2	543.4	543.8	546.9
45°	486.6	486.2	485.1	485.8	485.5	487.4	487.4	488.3	489.8	491.4	490.6
47.5°	431.1	430.4	431.5	430.7	431.1	430.0	430.7	433.1	435.1	432.3	435.1
50°	379.2	377.6	377.2	378.4	378.0	377.6	378.4	378.4	377.6	377.6	380.3
52.5°	329.6	328.0	326.8	328.8	327.6	328.0	326.4	326.4	327.2	326.4	325.2
55°	283.2	282.0	280.4	281.3	279.2	278.8	277.3	277.3	276.1	275.3	272.9
57.5°	238.7	237.9	234.4	234.1	234.4	231.6	228.9	227.6	224.5	223.7	223.3
60°	199.5	195.1	193.2	190.7	189.2	188.0	184.8	182.9	178.1	175.3	175.0
62.5°	158.7	156.6	154.3	150.7	149.9	146.0	142.8	137.6	135.3	131.7	128.1
65°	125.7	120.5	117.0	115.0	111.9	108.2	104.7	99.2	96.3	92.1	88.5
67.5°	92.1	87.7	82.9	81.3	78.5	74.2	70.6	65.8	63.5	59.5	58.3
70°	63.1	59.1	55.5	53.1	51.2	46.8	43.2	41.6	39.3	38.5	38.5
72.5°	40.5	36.9	33.0	31.7	30.1	27.8	25.4	24.6	25.4	25.0	25.0
75°	22.6	20.6	17.8	16.7	16.7	15.9	15.5	15.5	15.5	15.5	15.5
77.5°	11.5	10.3	9.6	9.2	9.2	9.2	9.6	9.6	9.6	9.9	9.6
80°	5.6	5.2	5.2	5.2	5.6	5.6	5.6	5.6	5.6	5.9	5.6
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	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: P563919

CATALOG NUMBER: LX6C25D010 EX6C259030 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0	1180.0
2.5°	1171.2	1170.4	1170.4	1170.1	1170.1	1170.1	1170.1	1170.4
5°	1158.5	1158.2	1158.2	1157.4	1157.4	1157.4	1157.4	1157.4
7.5°	1141.5	1140.7	1141.1	1140.3	1140.3	1140.7	1140.3	1139.9
10°	1120.4	1120.0	1120.4	1120.4	1119.6	1119.2	1119.6	1120.0
12.5°	1096.6	1096.2	1095.4	1095.8	1095.8	1095.4	1095.1	1094.3
15°	1068.9	1068.5	1068.1	1067.8	1067.3	1067.8	1067.3	1066.5
17.5°	1036.3	1036.3	1036.0	1035.6	1035.2	1034.4	1034.8	1036.0
20°	1001.4	1001.0	1000.3	1000.7	999.1	998.3	998.7	999.9
22.5°	961.5	960.2	961.1	959.8	959.8	960.2	959.8	959.0
25°	917.8	916.2	917.0	917.4	917.4	917.0	916.6	917.0
27.5°	869.4	870.6	870.6	869.8	871.0	869.4	870.2	870.6
30°	819.9	818.6	818.2	819.9	822.2	820.2	820.2	820.6
32.5°	768.7	767.1	767.1	767.9	767.5	767.5	769.0	767.1
35°	713.9	714.7	711.5	713.6	714.3	713.6	713.9	713.9
37.5°	658.7	658.0	658.0	658.0	659.1	659.1	660.0	659.6
40°	604.4	602.9	602.5	603.3	601.7	602.9	602.9	601.7
42.5°	545.7	546.1	548.2	546.1	546.5	546.1	545.3	544.9
45°	491.4	492.6	491.8	491.4	491.8	490.2	490.6	491.8
47.5°	433.9	436.3	433.9	435.5	435.1	434.3	433.5	431.9
50°	379.9	380.7	380.3	379.9	379.5	379.2	377.2	376.0
52.5°	324.8	324.8	324.8	324.8	320.8	322.9	322.0	319.7
55°	270.9	272.1	270.5	270.5	267.7	267.7	266.9	267.3
57.5°	218.9	217.8	216.6	216.6	213.8	212.6	211.4	209.8
60°	170.6	169.4	167.7	165.8	163.1	163.1	162.2	159.1
62.5°	124.9	123.0	121.8	120.1	117.8	116.2	115.0	115.9
65°	85.6	83.7	82.1	82.1	82.1	81.3	80.9	80.9
67.5°	56.4	57.5	56.8	57.5	57.5	56.8	56.4	57.1
70°	38.9	38.9	38.5	38.5	38.5	38.5	38.0	38.5
72.5°	25.0	25.0	25.0	25.4	25.0	25.0	25.4	25.4
75°	15.9	15.9	15.9	16.3	15.9	15.9	16.3	15.9
77.5°	9.6	9.9	9.9	9.9	9.9	9.6	9.9	9.9
80°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
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)