

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: P684138

Luminaire Tested: **LX6C25D010 EX6C259030 6LBLWWH**

Issue Date: 2/15/2022



Test Information

Test Method: LM-79-08
Report Number: P684138
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
Light Source: -
Ballast/Driver: -

Summary

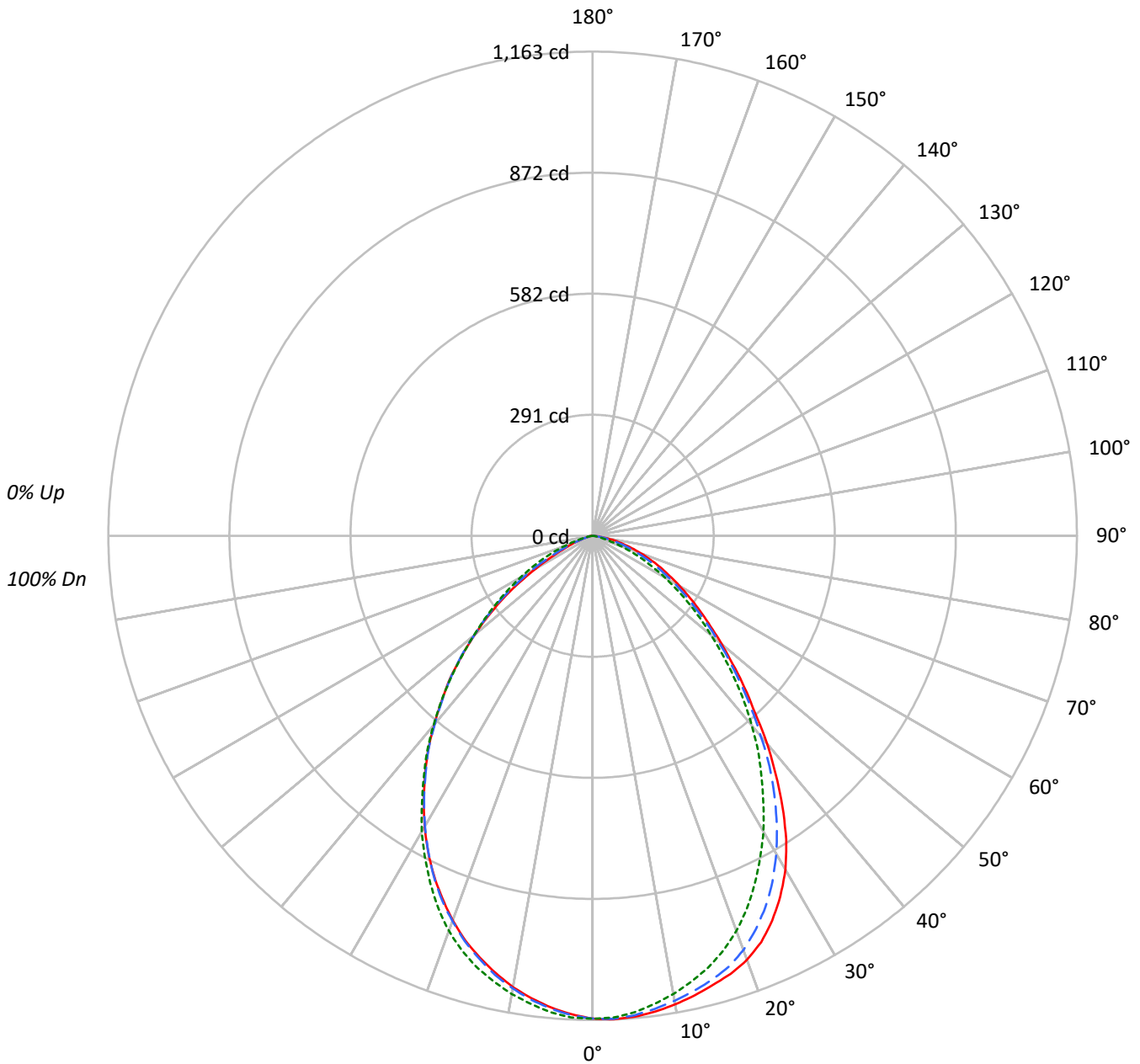
Lumens per Lamp: N/A
Luminaire Lumens: 2110.0 lumens
Efficiency: N/A
Efficacy: 67.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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																			
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°	63591	63591	63591
5°	63812	63234	62613
10°	63615	62207	61294
15°	63377	60920	59507
20°	63239	58916	57347
25°	61697	55757	54529
30°	58617	51932	51065
35°	53204	47281	46967
40°	46680	42551	42329
45°	40020	37182	37485
50°	34455	31692	31521
55°	30116	26761	25117
60°	26467	21928	17148
65°	23167	16993	10312
70°	19747	11444	6059
75°	15949	5952	3304
80°	11081	2336	1831
85°	4403	755	1006



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.7	5.2
10°-20°	303.5	14.4
20°-30°	431.9	20.5
30°-40°	454.6	21.5
40°-50°	378.8	18.0
50°-60°	256.0	12.1
60°-70°	129.8	6.2
70°-80°	41.9	2.0
80°-90°	4.8	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°	844.1	40.0
0°-40°	1298.7	61.6
0°-60°	1933.5	91.6
0°-90°	2110.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2110.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1160	1160	1160	1160	1160	
5°	1160	1156	1149	1140	1138	110
15°	1117	1105	1073	1052	1048	316
25°	1020	983	922	903	902	467
35°	795	761	706	700	702	495
45°	516	503	480	482	484	400
55°	315	300	280	271	263	284
65°	179	161	131	95	80	178
75°	75	59	28	15	16	81
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°	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0
2.5°	1162.7	1162.7	1162.7	1162.7	1162.7	1162.7	1162.3	1162.3	1161.6	1161.6	1161.2
5°	1159.6	1160.0	1160.0	1159.6	1159.6	1158.8	1158.8	1158.4	1157.3	1156.5	1156.1
7.5°	1153.0	1153.0	1152.6	1152.2	1151.8	1150.6	1150.3	1149.1	1148.3	1147.5	1146.0
10°	1142.8	1142.8	1142.5	1141.7	1141.3	1140.5	1140.5	1138.9	1137.4	1135.4	1134.3
12.5°	1130.8	1131.1	1130.4	1130.0	1128.8	1128.4	1127.6	1125.7	1124.5	1122.2	1120.2
15°	1116.7	1117.5	1117.5	1115.9	1114.8	1114.4	1113.2	1112.0	1109.3	1107.0	1104.6
17.5°	1103.1	1103.9	1103.1	1101.9	1100.7	1099.2	1098.4	1096.1	1092.5	1089.4	1085.9
20°	1084.0	1085.1	1083.6	1081.6	1079.3	1078.9	1077.7	1073.8	1068.8	1064.1	1059.0
22.5°	1057.1	1056.3	1055.1	1054.3	1050.4	1048.1	1046.5	1041.5	1036.0	1029.8	1023.5
25°	1020.0	1021.6	1019.2	1015.7	1013.8	1011.4	1007.5	1002.1	997.0	990.4	983.0
27.5°	976.3	976.3	973.2	972.1	967.8	964.7	962.7	957.2	950.6	944.0	935.8
30°	926.0	923.7	923.7	918.3	914.7	913.6	911.6	902.7	896.8	889.8	881.6
32.5°	865.2	864.8	863.3	859.8	855.1	851.2	851.2	844.9	837.1	828.6	823.5
35°	795.0	795.4	794.6	790.7	790.7	786.1	785.3	779.8	773.6	767.0	760.7
37.5°	722.5	724.1	722.5	720.6	719.4	719.0	715.5	711.6	706.9	703.0	698.3
40°	652.3	650.0	650.8	646.9	647.3	646.5	644.9	639.9	637.1	633.2	628.2
42.5°	576.7	579.0	579.8	577.5	576.7	575.1	576.7	574.7	571.6	569.7	565.0
45°	516.2	513.9	515.1	514.3	514.7	511.6	510.4	509.6	508.4	504.9	503.0
47.5°	456.2	456.6	456.2	454.6	453.9	453.9	452.3	450.0	450.0	447.6	446.1
50°	404.0	404.0	404.7	402.8	402.0	400.4	400.8	398.5	396.9	395.0	393.8
52.5°	356.0	356.4	354.8	355.2	354.4	354.4	352.9	351.3	349.8	346.2	345.5
55°	315.1	315.4	313.5	314.3	311.9	310.8	310.0	307.6	307.6	304.1	299.8
57.5°	276.8	276.5	276.1	274.9	273.3	272.2	271.0	268.3	267.1	264.8	261.2
60°	241.4	241.0	240.2	239.8	238.6	235.9	235.9	233.9	230.1	227.7	224.2
62.5°	207.8	207.8	207.4	206.3	205.1	203.9	203.1	201.6	197.7	195.0	191.8
65°	178.6	178.2	177.0	175.1	174.3	174.3	171.6	170.4	167.3	164.5	161.0
67.5°	150.5	148.9	148.2	148.6	146.2	146.2	143.9	141.9	139.2	134.5	131.8
70°	123.2	122.4	121.7	120.9	120.5	118.9	117.8	115.4	112.7	109.2	104.9
72.5°	98.6	98.6	97.5	96.7	95.5	94.0	93.2	91.2	88.1	84.2	81.1
75°	75.3	75.3	75.3	73.7	72.9	72.1	69.8	68.6	65.1	62.8	58.9
77.5°	55.4	54.6	53.4	53.0	52.2	51.5	50.3	48.3	45.2	42.5	40.2
80°	35.1	36.3	35.1	35.1	33.1	32.4	32.0	29.6	28.5	26.1	24.2
82.5°	19.5	19.9	19.1	18.7	17.5	17.2	17.2	15.6	14.8	13.3	12.1
85°	7.0	7.4	7.0	7.0	6.2	6.6	6.2	5.8	5.1	4.3	3.9
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°	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0
2.5°	1161.2	1160.4	1160.4	1160.0	1159.6	1159.6	1159.6	1159.2	1158.4	1158.4	1158.0
5°	1155.3	1154.5	1153.4	1152.6	1152.2	1151.8	1151.4	1151.0	1149.5	1149.1	1147.9
7.5°	1144.8	1144.0	1142.1	1141.3	1140.1	1139.7	1138.2	1137.4	1135.8	1134.3	1133.5
10°	1132.3	1130.4	1128.8	1126.9	1126.1	1124.9	1123.0	1120.6	1119.4	1117.5	1115.9
12.5°	1118.3	1115.9	1112.8	1110.5	1109.7	1107.7	1104.6	1102.7	1100.0	1096.8	1094.1
15°	1100.7	1098.0	1095.3	1091.0	1089.8	1087.5	1084.4	1080.5	1076.6	1073.4	1070.3
17.5°	1081.6	1077.3	1073.0	1068.4	1064.9	1063.7	1058.6	1053.2	1049.7	1044.2	1040.7
20°	1054.7	1048.9	1041.9	1037.2	1034.1	1030.5	1024.7	1018.8	1014.6	1009.9	1004.8
22.5°	1017.7	1012.2	1004.0	997.0	994.7	989.6	984.5	979.1	973.6	968.6	962.3
25°	974.0	968.2	960.0	953.0	949.1	946.7	937.0	931.5	926.0	921.8	917.5
27.5°	929.2	918.6	913.2	902.3	898.8	898.0	889.0	883.2	877.3	871.5	866.0
30°	873.8	865.6	857.4	849.6	844.9	842.2	835.6	828.2	824.3	820.4	814.9
32.5°	816.5	809.1	798.9	791.5	788.0	784.1	778.3	773.2	767.4	763.1	761.9
35°	755.3	747.1	738.5	733.0	732.3	727.6	721.7	717.4	713.2	706.5	705.4
37.5°	689.8	685.1	679.2	671.4	667.9	667.9	662.1	659.0	653.5	653.1	650.0
40°	625.4	623.5	614.5	612.2	611.4	605.9	604.4	598.9	595.0	594.6	589.9
42.5°	561.9	556.8	555.2	551.3	547.8	547.1	543.5	541.2	539.6	537.3	535.0
45°	498.7	497.5	493.6	490.9	489.7	488.2	487.0	482.3	481.5	479.6	478.4
47.5°	444.1	441.0	437.5	434.4	434.0	431.6	428.9	428.9	424.6	424.2	423.4
50°	389.9	387.6	385.6	381.3	382.1	379.0	378.6	375.1	373.1	371.6	373.5
52.5°	342.3	337.7	336.9	333.4	332.2	332.6	328.3	327.1	326.4	324.8	324.0
55°	297.1	294.8	291.7	289.3	287.4	285.4	283.9	283.9	279.6	280.0	278.0
57.5°	257.3	255.4	251.5	248.0	247.2	244.9	242.9	241.0	240.6	237.8	235.9
60°	221.9	218.4	213.3	211.7	209.4	207.4	205.5	203.1	202.0	200.0	196.5
62.5°	188.7	182.9	180.9	177.8	175.1	173.9	170.8	168.1	166.1	163.4	160.6
65°	157.1	152.8	149.3	145.8	145.4	142.3	139.6	137.3	133.4	131.0	125.9
67.5°	128.3	124.4	120.5	117.0	114.2	113.5	109.2	106.4	103.7	99.0	94.7
70°	101.8	97.9	94.7	90.5	89.3	86.2	83.1	80.3	75.6	71.4	67.8
72.5°	77.6	73.3	69.8	66.7	64.7	62.0	58.9	55.8	51.1	46.8	43.7
75°	55.4	52.2	48.7	45.6	44.1	42.5	39.0	35.5	32.4	28.1	25.3
77.5°	37.4	34.3	31.2	28.5	26.5	25.3	23.0	20.3	17.5	15.2	13.3
80°	21.8	19.9	17.5	15.2	14.8	13.6	11.7	10.1	8.6	7.4	5.8
82.5°	10.5	9.4	7.8	6.6	5.8	5.5	4.7	3.9	3.1	2.7	2.7
85°	3.1	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°	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0
2.5°	1156.9	1156.5	1156.1	1155.7	1154.9	1154.9	1153.8	1153.0	1153.0	1152.2	1151.8
5°	1146.7	1145.6	1145.2	1144.4	1143.6	1143.2	1141.7	1141.3	1140.5	1139.7	1139.7
7.5°	1132.3	1130.8	1129.2	1128.4	1128.0	1126.9	1126.1	1125.7	1124.5	1123.7	1122.2
10°	1113.2	1112.0	1110.1	1109.3	1108.5	1107.7	1105.8	1104.6	1104.2	1103.5	1102.7
12.5°	1091.0	1089.4	1087.5	1085.9	1085.1	1084.0	1082.0	1080.8	1080.8	1079.3	1079.3
15°	1067.2	1064.9	1061.3	1059.8	1059.4	1057.1	1055.5	1053.9	1052.0	1051.2	1051.2
17.5°	1036.8	1032.9	1029.8	1029.8	1028.2	1025.9	1023.5	1022.4	1021.2	1019.6	1018.8
20°	1000.9	998.2	994.7	994.7	991.2	990.4	988.0	987.7	984.9	985.3	984.1
22.5°	957.6	956.1	954.1	952.6	950.6	948.3	947.1	947.5	946.3	945.9	945.5
25°	914.0	909.7	907.3	906.6	905.8	903.8	903.0	902.7	902.7	901.5	901.9
27.5°	863.7	860.5	857.4	858.6	857.0	855.9	855.1	853.9	854.7	854.3	854.7
30°	812.2	808.3	806.3	807.1	806.7	803.6	805.2	804.8	805.2	805.2	806.0
32.5°	758.0	755.3	754.9	755.3	751.8	752.1	750.6	752.9	753.3	755.7	753.7
35°	703.0	701.5	698.7	698.3	698.7	698.3	698.3	699.9	699.5	701.8	701.1
37.5°	646.5	645.7	643.0	643.8	642.2	644.9	645.7	644.9	647.6	646.9	646.5
40°	591.1	589.9	588.4	591.5	589.6	588.0	590.7	588.4	589.2	591.5	591.5
42.5°	535.0	533.0	533.0	533.0	532.6	532.6	533.8	535.0	534.2	534.6	537.7
45°	478.4	478.0	476.9	477.6	477.3	479.2	479.2	480.0	481.5	483.1	482.3
47.5°	423.8	423.1	424.2	423.4	423.8	422.7	423.4	425.8	427.7	425.0	427.7
50°	372.8	371.2	370.8	372.0	371.6	371.2	372.0	372.0	371.2	371.2	373.9
52.5°	324.0	322.5	321.3	323.2	322.1	322.5	320.9	320.9	321.7	320.9	319.7
55°	278.4	277.2	275.7	276.5	274.5	274.1	272.6	272.6	271.4	270.6	268.3
57.5°	234.7	233.9	230.4	230.1	230.4	227.7	225.0	223.8	220.7	219.9	219.5
60°	196.1	191.8	189.9	187.5	186.0	184.8	181.7	179.8	175.1	172.3	172.0
62.5°	156.0	154.0	151.7	148.2	147.4	143.5	140.4	135.3	133.0	129.5	125.9
65°	123.6	118.5	115.0	113.1	110.0	106.4	102.9	97.5	94.7	90.5	87.0
67.5°	90.5	86.2	81.5	79.9	77.2	72.9	69.4	64.7	62.4	58.5	57.3
70°	62.0	58.1	54.6	52.2	50.3	46.0	42.5	40.9	38.6	37.8	37.8
72.5°	39.8	36.3	32.4	31.2	29.6	27.3	25.0	24.2	25.0	24.6	24.6
75°	22.2	20.3	17.5	16.4	16.4	15.6	15.2	15.2	15.2	15.2	15.2
77.5°	11.3	10.1	9.4	9.0	9.0	9.0	9.4	9.4	9.4	9.7	9.4
80°	5.5	5.1	5.1	5.1	5.5	5.5	5.5	5.5	5.5	5.8	5.5
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	3.1	3.1	3.1	3.1	3.1
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: P684138

CATALOG NUMBER: LX6C25D010 EX6C259030 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0	1160.0
2.5°	1151.4	1150.6	1150.6	1150.3	1150.3	1150.3	1150.3	1150.6
5°	1138.9	1138.6	1138.6	1137.8	1137.8	1137.8	1137.8	1137.8
7.5°	1122.2	1121.4	1121.8	1121.0	1121.0	1121.4	1121.0	1120.6
10°	1101.5	1101.1	1101.5	1101.5	1100.7	1100.3	1100.7	1101.1
12.5°	1078.1	1077.7	1076.9	1077.3	1077.3	1076.9	1076.6	1075.8
15°	1050.8	1050.4	1050.0	1049.7	1049.3	1049.7	1049.3	1048.5
17.5°	1018.8	1018.8	1018.5	1018.1	1017.7	1016.9	1017.3	1018.5
20°	984.5	984.1	983.4	983.8	982.2	981.4	981.8	983.0
22.5°	945.2	944.0	944.8	943.6	943.6	944.0	943.6	942.8
25°	902.3	900.7	901.5	901.9	901.9	901.5	901.1	901.5
27.5°	854.7	855.9	855.9	855.1	856.3	854.7	855.5	855.9
30°	806.0	804.8	804.4	806.0	808.3	806.3	806.3	806.7
32.5°	755.7	754.1	754.1	754.9	754.5	754.5	756.0	754.1
35°	701.8	702.6	699.5	701.5	702.2	701.5	701.8	701.8
37.5°	647.6	646.9	646.9	646.9	648.0	648.0	648.8	648.4
40°	594.2	592.7	592.3	593.1	591.5	592.7	592.7	591.5
42.5°	536.5	536.9	538.9	536.9	537.3	536.9	536.1	535.7
45°	483.1	484.3	483.5	483.1	483.5	481.9	482.3	483.5
47.5°	426.6	428.9	426.6	428.1	427.7	427.0	426.2	424.6
50°	373.5	374.3	373.9	373.5	373.1	372.8	370.8	369.6
52.5°	319.3	319.3	319.3	319.3	315.4	317.4	316.6	314.3
55°	266.3	267.5	265.9	265.9	263.2	263.2	262.4	262.8
57.5°	215.2	214.1	212.9	212.9	210.2	209.0	207.8	206.3
60°	167.7	166.5	164.9	163.0	160.3	160.3	159.5	156.4
62.5°	122.8	120.9	119.7	118.1	115.8	114.2	113.1	113.9
65°	84.2	82.3	80.7	80.7	80.7	79.9	79.5	79.5
67.5°	55.4	56.5	55.8	56.5	56.5	55.8	55.4	56.1
70°	38.2	38.2	37.8	37.8	37.8	37.8	37.4	37.8
72.5°	24.6	24.6	24.6	25.0	24.6	24.6	25.0	25.0
75°	15.6	15.6	15.6	16.0	15.6	15.6	16.0	15.6
77.5°	9.4	9.7	9.7	9.7	9.7	9.4	9.7	9.7
80°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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)