

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: P844272

Luminaire Tested: **LD6C30DE010B2750 EU6C30B27 6LBLWWLI**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844272
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-9)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C30DE010B2750 EU6C30B27 6LBLWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

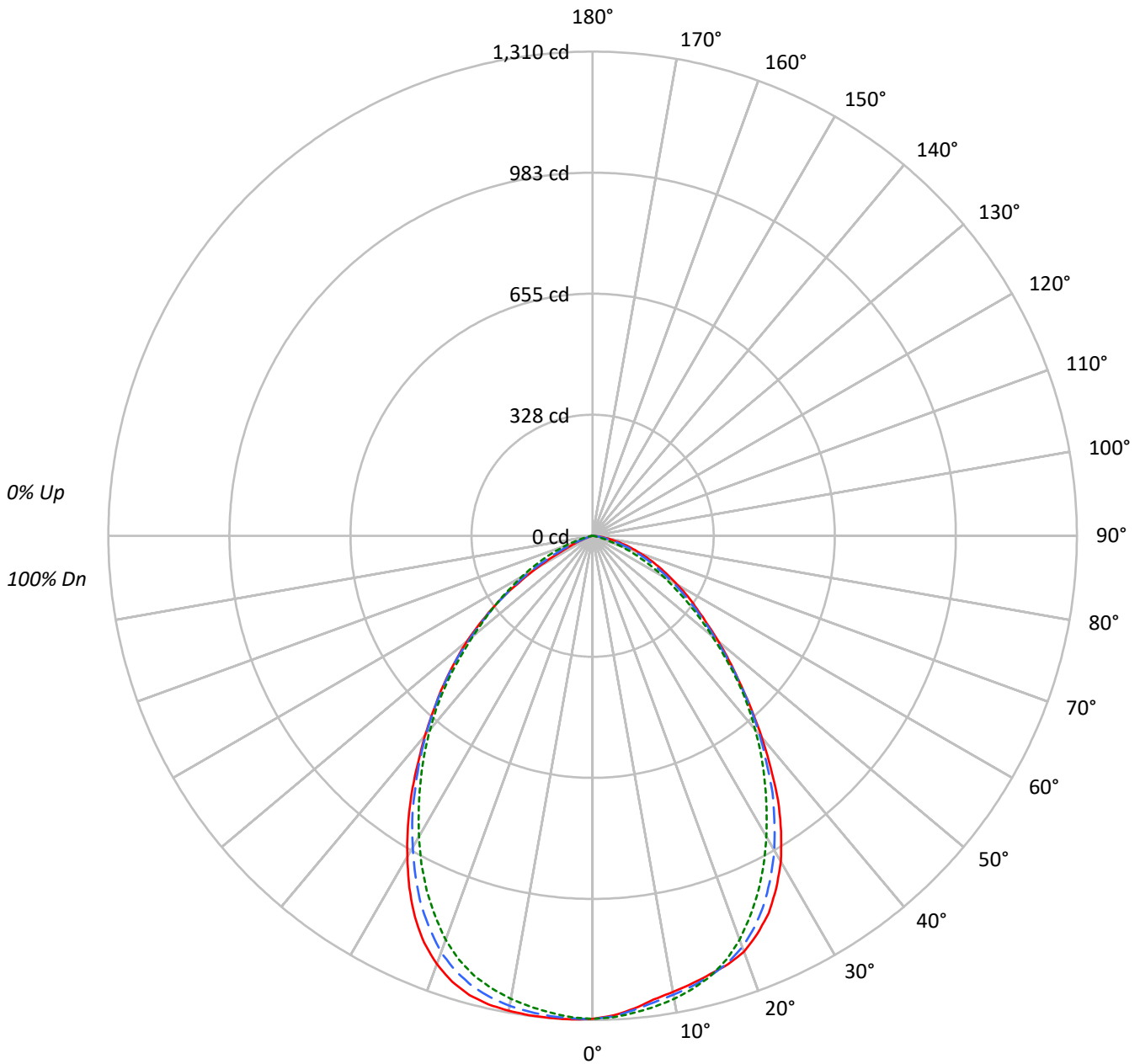
Lumens per Lamp: N/A
Luminaire Lumens: 2404.0 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.1 / 1.17
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 34.1
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			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°	71655	71655	71655
5°	70674	71291	72078
10°	69738	70813	72644
15°	69700	69995	73031
20°	69860	67842	71925
25°	68151	64153	68829
30°	64434	59484	63472
35°	58578	54328	57159
40°	50931	48913	50466
45°	43656	42880	44260
50°	37858	35948	37747
55°	32849	29877	29715
60°	28934	24187	18792
65°	25385	18368	9015
70°	21799	12182	3318
75°	17750	5126	911
80°	11996	1231	410
85°	4843	252	252



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.1	5.1
10°-20°	350.7	14.6
20°-30°	502.5	20.9
30°-40°	523.7	21.8
40°-50°	433.9	18.0
50°-60°	287.6	12.0
60°-70°	139.3	5.8
70°-80°	39.4	1.6
80°-90°	3.8	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°	976.3	40.6
0°-40°	1500.0	62.4
0°-60°	2221.5	92.4
0°-90°	2404.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2404.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1307	1307	1307	1307	1307	
5°	1284	1288	1296	1305	1310	122
15°	1228	1232	1233	1261	1287	347
25°	1127	1098	1061	1099	1138	515
35°	875	848	812	837	854	543
45°	563	561	553	567	571	438
55°	344	332	313	307	311	311
65°	196	177	142	97	70	195
75°	84	64	24	5	4	90
85°	8	4	0	0	0	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°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1299.0	1299.4	1300.3	1299.4	1299.8	1300.3	1300.3	1300.7	1300.7	1301.1	1301.5
5°	1284.3	1285.6	1285.6	1285.6	1285.6	1286.0	1286.4	1286.4	1286.0	1286.0	1287.7
7.5°	1265.7	1266.9	1266.5	1266.9	1267.5	1268.7	1268.3	1269.2	1270.0	1271.3	1273.1
10°	1252.8	1253.2	1252.8	1254.0	1254.9	1255.7	1255.7	1256.6	1257.5	1258.8	1260.9
12.5°	1241.1	1241.6	1242.0	1242.8	1243.7	1243.2	1244.1	1244.9	1245.4	1246.2	1247.6
15°	1228.1	1230.2	1229.8	1230.2	1230.8	1231.2	1231.6	1232.0	1231.6	1231.6	1232.5
17.5°	1216.1	1216.5	1216.9	1216.9	1216.9	1216.9	1216.1	1216.1	1214.7	1213.4	1212.6
20°	1197.5	1197.0	1196.2	1196.2	1194.5	1194.9	1193.1	1192.3	1190.2	1187.1	1184.1
22.5°	1165.1	1167.2	1166.4	1163.4	1161.6	1161.6	1159.9	1156.0	1152.5	1149.1	1145.2
25°	1126.7	1125.7	1124.5	1122.8	1120.1	1118.4	1115.8	1113.3	1107.7	1101.6	1098.1
27.5°	1075.3	1076.6	1073.5	1071.0	1069.7	1067.0	1064.5	1061.0	1054.1	1049.0	1042.8
30°	1017.9	1016.9	1016.5	1013.1	1009.6	1010.5	1005.3	1001.4	996.2	987.6	982.9
32.5°	948.7	950.1	947.4	947.0	940.6	939.7	939.7	933.6	929.3	921.1	914.6
35°	875.3	874.5	873.6	870.5	870.1	867.6	865.4	861.0	855.4	852.9	847.7
37.5°	790.7	791.1	791.5	791.5	789.8	788.0	786.4	786.4	778.6	777.3	771.2
40°	711.7	713.0	712.5	709.5	709.9	710.4	709.9	709.5	704.7	703.0	702.2
42.5°	634.8	636.9	634.8	634.4	634.8	634.8	633.9	635.2	633.1	634.8	630.9
45°	563.1	564.9	563.5	563.1	562.2	564.4	561.8	563.9	562.7	560.5	561.4
47.5°	501.3	499.6	501.3	500.5	499.2	497.5	500.0	498.8	495.7	495.3	496.1
50°	443.9	443.0	443.9	443.5	441.4	441.4	440.9	440.1	439.1	436.6	434.9
52.5°	389.1	392.1	389.9	392.1	389.1	387.8	388.3	386.9	385.2	384.3	380.9
55°	343.7	344.2	344.2	344.2	342.5	341.6	340.7	339.8	339.8	336.0	332.5
57.5°	304.5	303.5	303.1	301.8	301.0	300.2	299.3	296.7	294.1	290.6	288.0
60°	263.9	264.7	264.7	263.0	261.7	260.4	260.0	258.3	255.2	251.7	247.9
62.5°	228.9	229.7	227.6	227.6	225.0	224.5	224.5	222.0	218.5	214.6	210.3
65°	195.7	195.2	196.1	193.0	193.4	190.9	190.1	188.7	185.3	180.5	176.6
67.5°	164.1	165.0	163.6	162.8	161.1	160.2	159.4	155.5	153.8	149.4	145.1
70°	136.0	135.2	134.3	134.3	132.5	131.3	130.8	126.5	124.4	120.9	116.1
72.5°	109.7	108.8	108.0	106.6	105.3	104.9	102.4	99.7	97.2	92.9	89.4
75°	83.8	83.3	82.5	81.6	79.4	78.6	78.2	75.1	70.4	66.9	63.9
77.5°	60.5	60.9	59.1	57.4	56.2	54.9	53.9	51.4	48.3	44.5	41.5
80°	38.0	38.4	38.0	36.7	35.0	34.6	33.2	31.5	29.0	26.3	24.2
82.5°	20.3	20.3	19.9	19.5	18.1	18.1	17.2	16.0	14.7	13.4	11.6
85°	7.7	7.7	7.3	6.9	6.5	6.5	6.0	5.6	4.8	4.3	3.5
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1301.5	1301.9	1302.4	1302.8	1302.8	1302.8	1303.2	1303.7	1303.7	1304.2	1304.6
5°	1288.6	1289.0	1290.3	1290.7	1291.6	1291.2	1292.4	1293.8	1294.6	1295.5	1296.8
7.5°	1273.9	1275.2	1276.9	1278.3	1278.7	1279.1	1280.4	1282.1	1283.4	1285.1	1286.4
10°	1261.8	1263.1	1264.8	1266.5	1266.5	1267.5	1268.3	1269.6	1270.9	1272.1	1273.9
12.5°	1248.4	1250.1	1250.5	1251.4	1251.4	1251.9	1252.8	1253.2	1254.5	1254.9	1257.5
15°	1232.5	1232.5	1232.5	1232.5	1232.5	1232.0	1231.2	1232.0	1232.0	1233.3	1234.6
17.5°	1210.5	1210.5	1207.8	1206.5	1207.0	1204.9	1204.3	1202.6	1202.6	1202.6	1203.9
20°	1181.5	1177.6	1174.6	1170.7	1169.0	1168.1	1167.2	1163.4	1162.9	1162.9	1162.9
22.5°	1140.4	1136.1	1131.9	1128.8	1124.1	1122.4	1120.6	1118.0	1115.0	1113.3	1117.2
25°	1090.4	1085.2	1080.1	1073.9	1072.7	1070.5	1066.2	1063.6	1062.3	1060.6	1061.4
27.5°	1037.2	1029.9	1024.3	1018.3	1016.1	1013.5	1009.6	1005.7	1001.4	1002.3	1002.3
30°	976.4	967.7	961.7	954.3	953.9	951.3	947.9	943.1	939.7	939.7	941.8
32.5°	910.3	904.3	898.7	890.4	889.2	887.5	884.8	880.5	877.9	875.3	877.1
35°	843.4	833.8	829.9	824.8	825.3	820.5	816.6	814.0	814.5	811.8	813.1
37.5°	771.2	765.6	760.0	757.9	755.7	753.1	751.3	749.7	748.8	748.8	748.0
40°	698.2	695.3	692.6	691.8	687.9	688.7	688.3	687.0	684.5	683.5	686.2
42.5°	629.6	626.5	625.3	623.2	622.7	621.4	621.4	620.1	619.7	620.1	619.7
45°	558.7	558.3	555.4	555.4	557.1	555.8	552.3	554.5	554.5	553.1	555.8
47.5°	493.6	494.0	492.3	488.8	488.8	486.7	484.1	486.2	487.6	485.3	486.7
50°	434.4	431.8	428.3	425.8	427.1	426.2	424.0	422.3	421.0	421.5	423.2
52.5°	378.3	376.9	373.1	370.1	369.2	369.6	367.1	364.5	364.9	364.5	363.6
55°	327.8	327.8	322.6	321.3	317.8	317.8	314.3	313.9	312.6	312.6	310.5
57.5°	284.2	280.3	277.2	274.2	272.9	271.2	269.9	266.8	265.6	263.0	262.5
60°	244.0	239.2	237.1	233.6	231.0	229.3	227.2	224.5	222.8	220.6	218.1
62.5°	208.1	203.0	198.6	195.2	193.0	192.6	189.1	186.1	182.7	180.1	175.8
65°	172.3	169.3	164.6	159.8	159.0	156.7	153.3	149.9	145.5	141.6	139.1
67.5°	140.8	136.9	132.5	130.0	126.9	125.2	121.3	116.1	111.4	107.6	102.8
70°	112.7	107.1	103.2	98.9	98.0	94.1	90.6	85.5	81.2	76.0	69.1
72.5°	84.6	79.0	76.0	71.7	69.1	66.9	62.2	57.4	50.6	46.6	40.6
75°	59.5	54.9	50.6	46.2	44.5	41.5	37.5	32.4	28.0	24.2	19.9
77.5°	37.1	34.2	30.2	26.8	25.1	23.3	20.3	16.4	13.4	10.4	7.7
80°	21.2	18.6	16.0	13.4	12.5	11.6	9.1	6.9	5.6	3.9	2.5
82.5°	9.9	8.2	6.9	5.6	5.2	4.3	3.1	2.1	1.3	0.8	0.4
85°	3.1	2.1	1.7	1.3	0.8	0.8	0.4	0.4	0.4	0.4	0.4
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°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1304.6	1305.0	1305.4	1305.4	1305.4	1305.9	1305.9	1306.7	1307.1	1307.6	1307.6
5°	1297.6	1299.0	1299.8	1300.3	1300.7	1301.9	1302.4	1303.7	1304.6	1305.4	1306.3
7.5°	1288.2	1289.5	1291.2	1292.0	1292.9	1294.6	1295.9	1298.0	1299.4	1301.1	1302.8
10°	1276.0	1277.8	1280.4	1281.2	1282.1	1284.3	1286.8	1289.5	1291.6	1294.2	1296.3
12.5°	1258.4	1260.9	1264.0	1264.8	1266.1	1269.2	1272.1	1276.0	1279.1	1282.5	1286.0
15°	1236.4	1239.8	1242.0	1242.8	1244.5	1248.9	1251.9	1256.2	1260.9	1266.1	1270.0
17.5°	1205.7	1207.4	1211.3	1213.0	1215.2	1219.5	1224.2	1229.4	1233.7	1239.3	1245.4
20°	1165.5	1168.1	1172.8	1174.6	1177.1	1181.1	1187.9	1192.3	1199.1	1206.1	1210.5
22.5°	1115.4	1120.1	1124.9	1127.1	1128.8	1133.6	1138.3	1145.6	1151.2	1160.8	1166.4
25°	1063.6	1064.9	1068.7	1072.7	1073.5	1079.5	1085.2	1093.8	1099.4	1105.4	1113.3
27.5°	1004.0	1005.7	1011.7	1012.7	1013.1	1019.6	1026.0	1033.0	1037.6	1044.6	1048.4
30°	941.8	944.9	947.4	949.1	952.2	955.3	961.3	969.9	973.3	979.4	984.6
32.5°	878.4	878.4	884.4	884.8	886.5	893.5	896.9	902.1	908.2	912.8	912.4
35°	815.3	817.0	819.1	822.2	823.5	827.8	829.1	833.0	836.9	840.3	844.6
37.5°	750.1	750.1	754.8	756.9	758.3	760.4	762.7	766.5	768.7	770.0	772.5
40°	687.9	689.7	690.5	691.4	691.4	694.3	696.1	699.1	700.5	703.9	702.2
42.5°	624.8	624.0	624.4	626.5	627.0	628.8	630.0	631.7	633.5	632.7	635.6
45°	557.9	558.3	559.2	559.2	560.5	562.7	564.9	565.7	567.0	569.1	569.5
47.5°	488.0	490.1	488.8	492.3	493.2	493.6	498.8	499.2	503.5	504.4	504.4
50°	422.7	422.7	425.4	426.6	427.5	428.8	430.6	432.3	433.5	436.6	437.4
52.5°	364.0	364.9	364.9	363.6	364.9	364.9	369.2	369.6	369.2	370.1	371.3
55°	311.4	311.8	309.1	310.9	310.5	309.1	310.1	307.5	307.0	308.3	307.5
57.5°	260.8	259.1	258.7	256.5	256.5	254.4	252.1	252.1	250.4	247.5	247.0
60°	215.4	212.9	211.2	209.8	206.5	204.2	201.3	198.6	195.2	191.3	189.1
62.5°	172.7	169.8	166.3	164.6	161.9	156.7	152.8	149.0	143.4	139.9	136.4
65°	134.7	130.0	124.4	121.7	119.2	114.4	109.3	102.8	97.2	92.4	86.4
67.5°	97.6	92.4	86.8	82.9	80.3	74.7	68.6	63.0	56.6	51.4	48.3
70°	63.9	57.4	52.2	49.2	46.6	41.0	35.4	30.7	27.6	26.3	25.9
72.5°	36.3	29.8	25.9	22.8	20.7	16.8	13.9	12.1	11.2	10.8	9.9
75°	15.5	11.6	9.1	7.3	6.5	5.2	4.8	4.8	4.8	4.3	4.3
77.5°	5.6	3.9	3.1	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.8	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	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: P844272

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B27 6LBLWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1308.0	1308.9	1308.9	1309.4	1309.8	1309.8	1309.8	1309.8
5°	1307.1	1308.0	1308.4	1308.9	1309.4	1309.8	1309.8	1309.8
7.5°	1303.7	1305.4	1305.9	1306.7	1307.6	1308.0	1308.0	1308.4
10°	1298.6	1300.3	1301.5	1302.4	1303.2	1304.2	1305.0	1305.0
12.5°	1289.0	1291.6	1293.4	1294.2	1296.3	1297.2	1298.0	1299.0
15°	1273.5	1276.9	1279.1	1280.8	1282.5	1285.1	1285.6	1286.8
17.5°	1250.1	1254.9	1255.7	1258.4	1260.5	1264.8	1264.4	1264.8
20°	1216.5	1221.7	1223.4	1226.0	1229.4	1232.5	1235.0	1232.9
22.5°	1171.5	1177.6	1180.2	1182.8	1185.0	1187.5	1191.0	1191.4
25°	1118.4	1123.6	1125.7	1127.5	1131.9	1134.0	1137.5	1137.9
27.5°	1057.5	1060.6	1063.6	1064.5	1069.2	1070.5	1073.5	1073.5
30°	988.5	992.0	995.3	996.7	998.0	999.3	1001.4	1002.7
32.5°	917.6	921.1	922.4	924.6	925.0	927.1	926.3	929.8
35°	846.8	847.7	849.0	848.5	851.6	851.2	854.6	854.1
37.5°	775.6	774.7	776.8	779.1	778.2	777.3	778.6	776.4
40°	704.3	704.7	705.2	707.3	705.2	706.5	705.7	705.2
42.5°	637.9	637.9	635.2	637.9	636.1	635.2	636.9	634.4
45°	570.5	570.1	570.5	570.9	570.9	570.9	569.1	570.9
47.5°	506.5	506.9	505.2	508.3	507.5	505.7	505.7	504.4
50°	438.7	441.4	444.3	441.8	443.9	442.6	441.4	442.6
52.5°	374.4	376.1	374.0	374.4	379.2	379.2	376.5	376.1
55°	305.8	305.8	306.6	307.0	307.5	313.1	310.1	310.9
57.5°	244.4	244.4	243.1	245.7	244.0	241.8	244.0	238.4
60°	185.7	185.3	183.9	182.2	177.9	176.6	171.9	171.4
62.5°	132.1	127.3	125.6	122.2	117.5	116.1	111.4	110.9
65°	82.1	76.5	74.7	73.0	70.9	70.4	68.6	69.5
67.5°	46.6	45.8	45.4	44.0	43.2	42.3	42.3	41.9
70°	24.6	22.8	22.4	22.0	22.0	20.3	19.9	20.7
72.5°	9.5	8.7	8.7	8.7	8.2	8.2	8.2	8.2
75°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.4
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)