

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: P844288

Luminaire Tested: **LD6C30DE010B2750 EU6C30B30 6LBLWWH**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-10)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C30DE010B2750 EU6C30B30 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

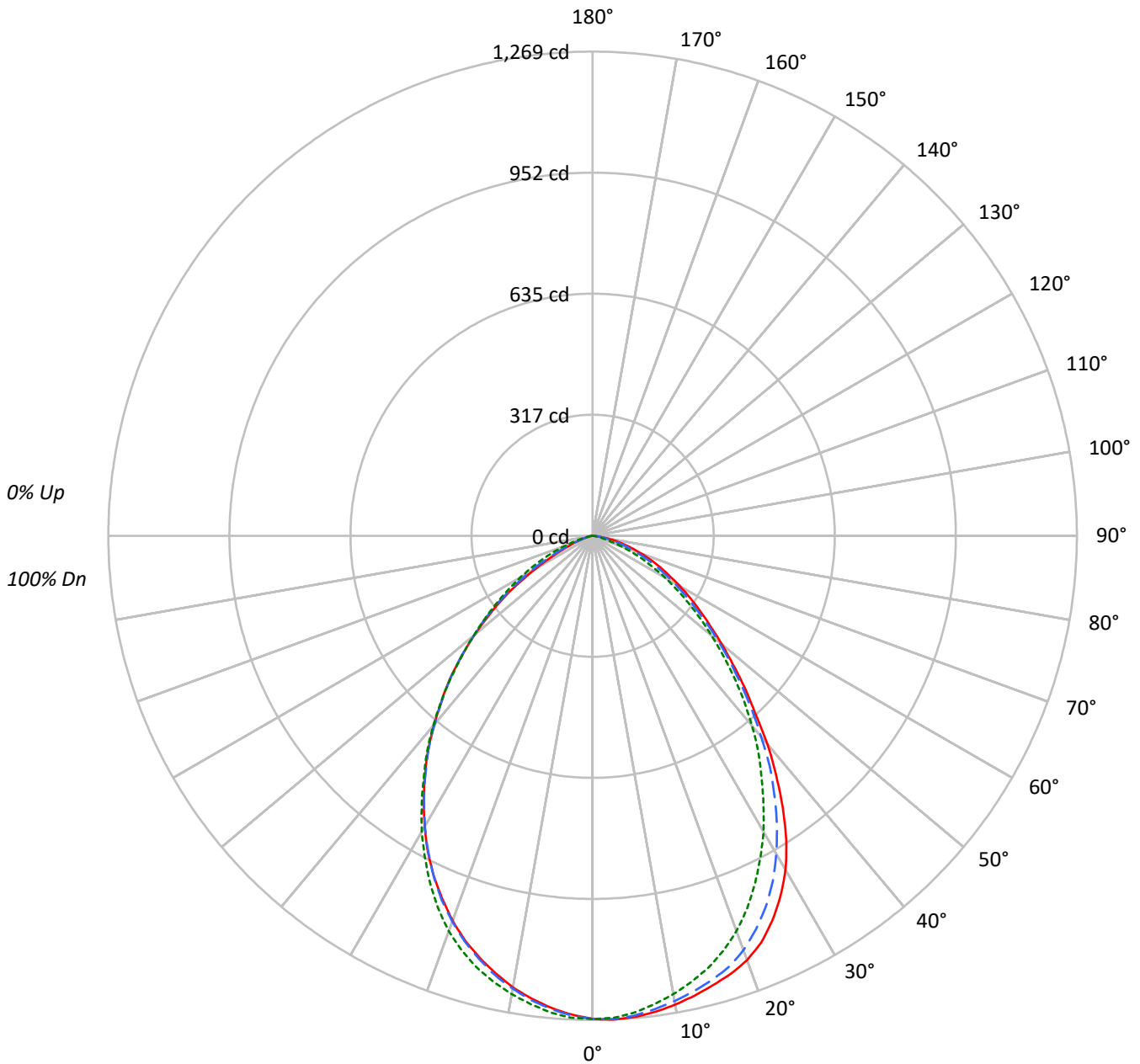
Lumens per Lamp: N/A
Luminaire Lumens: 2303.5 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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								
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	42	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°	69424	69424	69424
5°	69667	69035	68352
10°	69454	67912	66916
15°	69189	66510	64966
20°	69038	64318	62609
25°	67359	60868	59526
30°	63997	56692	55749
35°	58089	51618	51283
40°	50967	46458	46215
45°	43694	40593	40927
50°	37611	34600	34421
55°	32869	29218	27421
60°	28890	23945	18716
65°	25282	18549	11259
70°	21558	12486	6604
75°	17411	6503	3601
80°	12091	2526	1989
85°	4780	818	1069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.7	5.2
10°-20°	331.4	14.4
20°-30°	471.5	20.5
30°-40°	496.3	21.5
40°-50°	413.6	18.0
50°-60°	279.4	12.1
60°-70°	141.7	6.2
70°-80°	45.7	2.0
80°-90°	5.2	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°	921.5	40.0
0°-40°	1417.8	61.6
0°-60°	2110.9	91.6
0°-90°	2303.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2303.5	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1266	1266	1266	1266	1266	
5°	1266	1262	1254	1245	1242	120
15°	1219	1206	1172	1148	1145	344
25°	1114	1073	1006	985	984	510
35°	868	830	771	764	766	540
45°	564	549	524	526	528	436
55°	344	327	306	296	287	310
65°	195	176	143	103	87	194
75°	82	64	31	17	17	89
85°	8	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°	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4
2.5°	1269.4	1269.4	1269.4	1269.4	1269.4	1269.4	1268.9	1268.9	1268.1	1268.1	1267.7
5°	1266.0	1266.4	1266.4	1266.0	1266.0	1265.1	1265.1	1264.7	1263.4	1262.6	1262.2
7.5°	1258.7	1258.7	1258.3	1257.8	1257.4	1256.2	1255.7	1254.5	1253.6	1252.8	1251.1
10°	1247.7	1247.7	1247.3	1246.4	1246.0	1245.2	1245.2	1243.4	1241.7	1239.5	1238.3
12.5°	1234.5	1234.9	1234.0	1233.6	1232.4	1231.9	1231.1	1229.0	1227.7	1225.1	1222.9
15°	1219.1	1220.0	1220.0	1218.3	1217.0	1216.6	1215.3	1214.1	1211.1	1208.5	1205.9
17.5°	1204.2	1205.1	1204.2	1203.0	1201.7	1200.0	1199.1	1196.6	1192.8	1189.3	1185.5
20°	1183.4	1184.7	1183.0	1180.8	1178.3	1177.9	1176.6	1172.3	1166.8	1161.7	1156.1
22.5°	1154.0	1153.1	1151.9	1151.0	1146.8	1144.3	1142.6	1137.0	1131.0	1124.3	1117.4
25°	1113.6	1115.3	1112.7	1108.9	1106.8	1104.2	1099.9	1094.0	1088.4	1081.2	1073.2
27.5°	1065.9	1065.9	1062.5	1061.2	1056.6	1053.1	1051.0	1045.0	1037.8	1030.6	1021.7
30°	1011.0	1008.5	1008.5	1002.4	998.6	997.3	995.2	985.4	979.1	971.4	962.4
32.5°	944.6	944.1	942.5	938.6	933.5	929.2	929.2	922.5	913.9	904.6	899.0
35°	868.0	868.4	867.6	863.2	863.2	858.2	857.3	851.4	844.5	837.3	830.5
37.5°	788.8	790.5	788.8	786.7	785.4	785.0	781.2	776.8	771.8	767.5	762.3
40°	712.2	709.6	710.4	706.2	706.6	705.8	704.1	698.6	695.6	691.3	685.8
42.5°	629.6	632.1	633.0	630.5	629.6	627.9	629.6	627.5	624.0	621.9	616.8
45°	563.6	561.1	562.3	561.5	561.9	558.5	557.2	556.3	555.0	551.2	549.1
47.5°	498.0	498.5	498.0	496.3	495.5	495.5	493.8	491.3	491.3	488.6	486.9
50°	441.0	441.0	441.9	439.8	438.9	437.1	437.6	435.0	433.3	431.2	429.9
52.5°	388.7	389.1	387.4	387.8	387.0	387.0	385.2	383.5	381.8	378.0	377.2
55°	343.9	344.4	342.3	343.1	340.6	339.3	338.4	335.9	335.9	332.0	327.3
57.5°	302.3	301.8	301.4	300.1	298.4	297.1	295.8	292.9	291.6	289.1	285.2
60°	263.5	263.0	262.2	261.8	260.5	257.5	257.5	255.4	251.2	248.5	244.7
62.5°	226.9	226.9	226.4	225.2	223.9	222.6	221.8	220.1	215.9	212.8	209.4
65°	194.9	194.5	193.2	191.1	190.3	190.3	187.3	186.0	182.7	179.6	175.8
67.5°	164.4	162.6	161.7	162.1	159.6	159.6	157.1	154.9	152.0	146.9	143.8
70°	134.5	133.7	132.8	132.0	131.6	129.9	128.5	126.0	123.0	119.2	114.5
72.5°	107.7	107.7	106.4	105.6	104.3	102.6	101.7	99.6	96.2	91.9	88.5
75°	82.2	82.2	82.2	80.5	79.6	78.8	76.1	74.9	71.1	68.5	64.3
77.5°	60.5	59.5	58.3	57.9	57.0	56.2	54.9	52.8	49.4	46.4	43.9
80°	38.3	39.6	38.3	38.3	36.2	35.3	34.9	32.4	31.1	28.6	26.4
82.5°	21.3	21.7	20.8	20.4	19.1	18.7	18.7	17.0	16.2	14.5	13.2
85°	7.6	8.0	7.6	7.6	6.8	7.2	6.8	6.3	5.5	4.7	4.2
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4
2.5°	1267.7	1266.8	1266.8	1266.4	1266.0	1266.0	1266.0	1265.6	1264.7	1264.7	1264.3
5°	1261.3	1260.4	1259.1	1258.3	1257.8	1257.4	1257.0	1256.6	1254.9	1254.5	1253.2
7.5°	1249.8	1249.0	1246.8	1246.0	1244.7	1244.3	1242.5	1241.7	1240.0	1238.3	1237.4
10°	1236.2	1234.0	1232.4	1230.2	1229.4	1228.1	1225.9	1223.4	1222.1	1220.0	1218.3
12.5°	1220.8	1218.3	1214.9	1212.4	1211.5	1209.3	1205.9	1203.8	1200.8	1197.5	1194.5
15°	1201.7	1198.7	1195.8	1191.0	1189.7	1187.2	1183.8	1179.6	1175.3	1171.9	1168.5
17.5°	1180.8	1176.2	1171.4	1166.4	1162.6	1161.3	1155.7	1149.8	1145.9	1139.9	1136.1
20°	1151.4	1145.1	1137.4	1132.3	1128.9	1125.1	1118.7	1112.3	1107.7	1102.5	1097.0
22.5°	1111.0	1105.0	1096.1	1088.4	1085.9	1080.4	1074.9	1068.8	1062.9	1057.4	1050.5
25°	1063.3	1057.0	1048.0	1040.4	1036.1	1033.5	1022.9	1016.9	1011.0	1006.3	1001.6
27.5°	1014.4	1002.8	996.9	985.0	981.2	980.3	970.6	964.1	957.8	951.3	945.4
30°	954.0	945.0	936.1	927.5	922.5	919.5	912.2	904.2	899.8	895.6	889.7
32.5°	891.4	883.2	872.2	864.1	860.3	856.0	849.7	844.1	837.8	833.1	831.7
35°	824.5	815.6	806.2	800.3	799.5	794.3	787.9	783.3	778.5	771.3	770.1
37.5°	753.0	748.0	741.5	733.0	729.2	729.2	722.8	719.4	713.5	713.1	709.6
40°	682.8	680.7	670.9	668.3	667.5	661.5	659.8	653.8	649.6	649.2	644.1
42.5°	613.4	607.8	606.1	601.9	598.1	597.2	593.4	590.8	589.1	586.6	584.0
45°	544.5	543.2	538.9	535.9	534.6	532.9	531.7	526.6	525.7	523.6	522.3
47.5°	484.8	481.4	477.6	474.2	473.8	471.2	468.2	468.2	463.6	463.1	462.3
50°	425.7	423.2	421.0	416.3	417.1	413.7	413.3	409.5	407.4	405.7	407.8
52.5°	373.8	368.6	367.7	363.9	362.7	363.1	358.4	357.2	356.3	354.6	353.8
55°	324.4	321.8	318.5	315.8	313.7	311.6	309.9	309.9	305.2	305.7	303.5
57.5°	280.9	278.8	274.6	270.8	269.9	267.4	265.1	263.0	262.6	259.6	257.5
60°	242.2	238.4	232.9	231.1	228.6	226.4	224.3	221.8	220.5	218.4	214.6
62.5°	206.0	199.7	197.6	194.1	191.1	189.8	186.5	183.5	181.4	178.3	175.4
65°	171.5	166.9	163.1	159.2	158.8	155.4	152.4	149.9	145.5	143.0	137.5
67.5°	140.0	135.8	131.6	127.7	124.7	123.8	119.2	116.2	113.3	108.1	103.4
70°	111.1	106.8	103.4	98.8	97.5	94.0	90.6	87.7	82.6	77.9	74.0
72.5°	84.7	80.1	76.1	72.8	70.6	67.7	64.3	60.9	55.7	51.1	47.7
75°	60.5	57.0	53.2	49.8	48.1	46.4	42.5	38.7	35.3	30.7	27.7
77.5°	40.8	37.4	34.1	31.1	29.0	27.7	25.1	22.1	19.1	16.6	14.5
80°	23.8	21.7	19.1	16.6	16.2	14.9	12.8	11.1	9.4	8.0	6.3
82.5°	11.5	10.3	8.5	7.2	6.3	5.9	5.1	4.2	3.4	3.0	3.0
85°	3.4	3.0	2.5	2.1	1.7	1.7	1.3	1.3	1.3	1.3	1.3
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°	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4
2.5°	1263.0	1262.6	1262.2	1261.8	1260.9	1260.9	1259.5	1258.7	1258.7	1257.8	1257.4
5°	1251.9	1250.7	1250.2	1249.4	1248.5	1248.1	1246.4	1246.0	1245.2	1244.3	1244.3
7.5°	1236.2	1234.5	1232.8	1231.9	1231.5	1230.2	1229.4	1229.0	1227.7	1226.9	1225.1
10°	1215.3	1214.1	1211.9	1211.1	1210.3	1209.3	1207.2	1205.9	1205.5	1204.6	1203.8
12.5°	1191.0	1189.3	1187.2	1185.5	1184.7	1183.4	1181.3	1180.0	1180.0	1178.3	1178.3
15°	1165.1	1162.6	1158.7	1156.9	1156.5	1154.0	1152.3	1150.6	1148.5	1147.6	1147.6
17.5°	1131.9	1127.6	1124.3	1124.3	1122.5	1119.9	1117.4	1116.1	1114.9	1113.2	1112.3
20°	1092.7	1089.8	1085.9	1085.9	1082.1	1081.2	1078.7	1078.3	1075.3	1075.7	1074.5
22.5°	1045.5	1043.8	1041.7	1040.0	1037.8	1035.2	1033.9	1034.4	1033.1	1032.7	1032.3
25°	997.8	993.1	990.6	989.7	988.9	986.8	985.8	985.4	985.4	984.1	984.6
27.5°	942.9	939.5	936.1	937.4	935.7	934.3	933.5	932.2	933.0	932.6	933.0
30°	886.7	882.4	880.3	881.1	880.7	877.3	879.0	878.6	879.0	879.0	879.8
32.5°	827.5	824.5	824.1	824.5	820.7	821.1	819.5	822.0	822.4	825.0	822.8
35°	767.5	765.8	762.8	762.3	762.8	762.3	762.3	764.1	763.7	766.3	765.4
37.5°	705.8	704.9	702.0	702.8	701.1	704.1	704.9	704.1	707.0	706.2	705.8
40°	645.4	644.1	642.3	645.8	643.7	641.9	644.9	642.3	643.1	645.8	645.8
42.5°	584.0	581.9	581.9	581.9	581.5	581.5	582.8	584.0	583.2	583.6	587.0
45°	522.3	521.8	520.6	521.4	521.0	523.1	523.1	524.1	525.7	527.4	526.6
47.5°	462.7	461.9	463.1	462.3	462.7	461.4	462.3	464.8	466.9	464.0	466.9
50°	407.0	405.3	404.9	406.1	405.7	405.3	406.1	406.1	405.3	405.3	408.2
52.5°	353.8	352.1	350.7	352.9	351.6	352.1	350.3	350.3	351.1	350.3	349.0
55°	304.0	302.7	301.0	301.8	299.6	299.2	297.5	297.5	296.2	295.4	292.9
57.5°	256.3	255.4	251.6	251.2	251.6	248.5	245.6	244.3	240.9	240.1	239.7
60°	214.1	209.4	207.3	204.8	203.1	201.8	198.4	196.2	191.1	188.2	187.7
62.5°	170.3	168.2	165.6	161.7	160.9	156.6	153.3	147.8	145.1	141.3	137.5
65°	135.0	129.5	125.5	123.4	120.0	116.2	112.4	106.4	103.4	98.8	95.0
67.5°	98.8	94.0	88.9	87.3	84.3	79.6	75.7	70.6	68.1	63.9	62.6
70°	67.7	63.5	59.5	57.0	54.9	50.2	46.4	44.7	42.1	41.2	41.2
72.5°	43.5	39.6	35.3	34.1	32.4	29.8	27.3	26.4	27.3	26.9	26.9
75°	24.2	22.1	19.1	17.9	17.9	17.0	16.6	16.6	16.6	16.6	16.6
77.5°	12.4	11.1	10.3	9.8	9.8	9.8	10.3	10.3	10.3	10.7	10.3
80°	5.9	5.5	5.5	5.5	5.9	5.9	5.9	5.9	5.9	6.3	5.9
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.4	3.4	3.4	3.4	3.4
85°	1.3	1.3	1.3	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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: P844288

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B30 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4	1266.4
2.5°	1257.0	1256.2	1256.2	1255.7	1255.7	1255.7	1255.7	1256.2
5°	1243.4	1242.9	1242.9	1242.1	1242.1	1242.1	1242.1	1242.1
7.5°	1225.1	1224.2	1224.6	1223.8	1223.8	1224.2	1223.8	1223.4
10°	1202.5	1202.1	1202.5	1202.5	1201.7	1201.3	1201.7	1202.1
12.5°	1177.0	1176.6	1175.8	1176.2	1176.2	1175.8	1175.3	1174.4
15°	1147.2	1146.8	1146.4	1145.9	1145.5	1145.9	1145.5	1144.7
17.5°	1112.3	1112.3	1111.9	1111.5	1111.0	1110.2	1110.6	1111.9
20°	1074.9	1074.5	1073.6	1074.0	1072.3	1071.4	1071.8	1073.2
22.5°	1031.8	1030.6	1031.4	1030.1	1030.1	1030.6	1030.1	1029.3
25°	985.0	983.3	984.1	984.6	984.6	984.1	983.7	984.1
27.5°	933.0	934.3	934.3	933.5	934.7	933.0	933.9	934.3
30°	879.8	878.6	878.2	879.8	882.4	880.3	880.3	880.7
32.5°	825.0	823.3	823.3	824.1	823.7	823.7	825.4	823.3
35°	766.3	767.1	763.7	765.8	766.7	765.8	766.3	766.3
37.5°	707.0	706.2	706.2	706.2	707.5	707.5	708.3	707.9
40°	648.8	647.1	646.6	647.5	645.8	647.1	647.1	645.8
42.5°	585.7	586.1	588.3	586.1	586.6	586.1	585.3	584.9
45°	527.4	528.7	527.9	527.4	527.9	526.2	526.6	527.9
47.5°	465.7	468.2	465.7	467.4	466.9	466.1	465.3	463.6
50°	407.8	408.7	408.2	407.8	407.4	407.0	404.9	403.6
52.5°	348.6	348.6	348.6	348.6	344.4	346.5	345.6	343.1
55°	290.7	292.0	290.3	290.3	287.4	287.4	286.5	286.9
57.5°	235.0	233.7	232.5	232.5	229.4	228.1	226.9	225.2
60°	183.1	181.8	180.0	177.9	174.9	174.9	174.1	170.7
62.5°	134.1	132.0	130.7	129.0	126.4	124.7	123.4	124.3
65°	91.9	89.8	88.1	88.1	88.1	87.3	86.8	86.8
67.5°	60.5	61.8	60.9	61.8	61.8	60.9	60.5	61.3
70°	41.7	41.7	41.2	41.2	41.2	41.2	40.8	41.2
72.5°	26.9	26.9	26.9	27.3	26.9	26.9	27.3	27.3
75°	17.0	17.0	17.0	17.5	17.0	17.0	17.5	17.0
77.5°	10.3	10.7	10.7	10.7	10.7	10.3	10.7	10.7
80°	6.3	6.3	6.3	6.3	6.3	6.3	6.3	6.3
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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)