

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: P844271

Luminaire Tested: **LD6C30DE010B2750 EU6C30B27 6LBLWWH**

Issue Date: 5/7/2024

Test Information

Test Method: LM-79-08
Report Number: P844271
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 EU6C30B27 6LBLWWH
Description:
Light Source: -
Ballast/Driver:

Summary

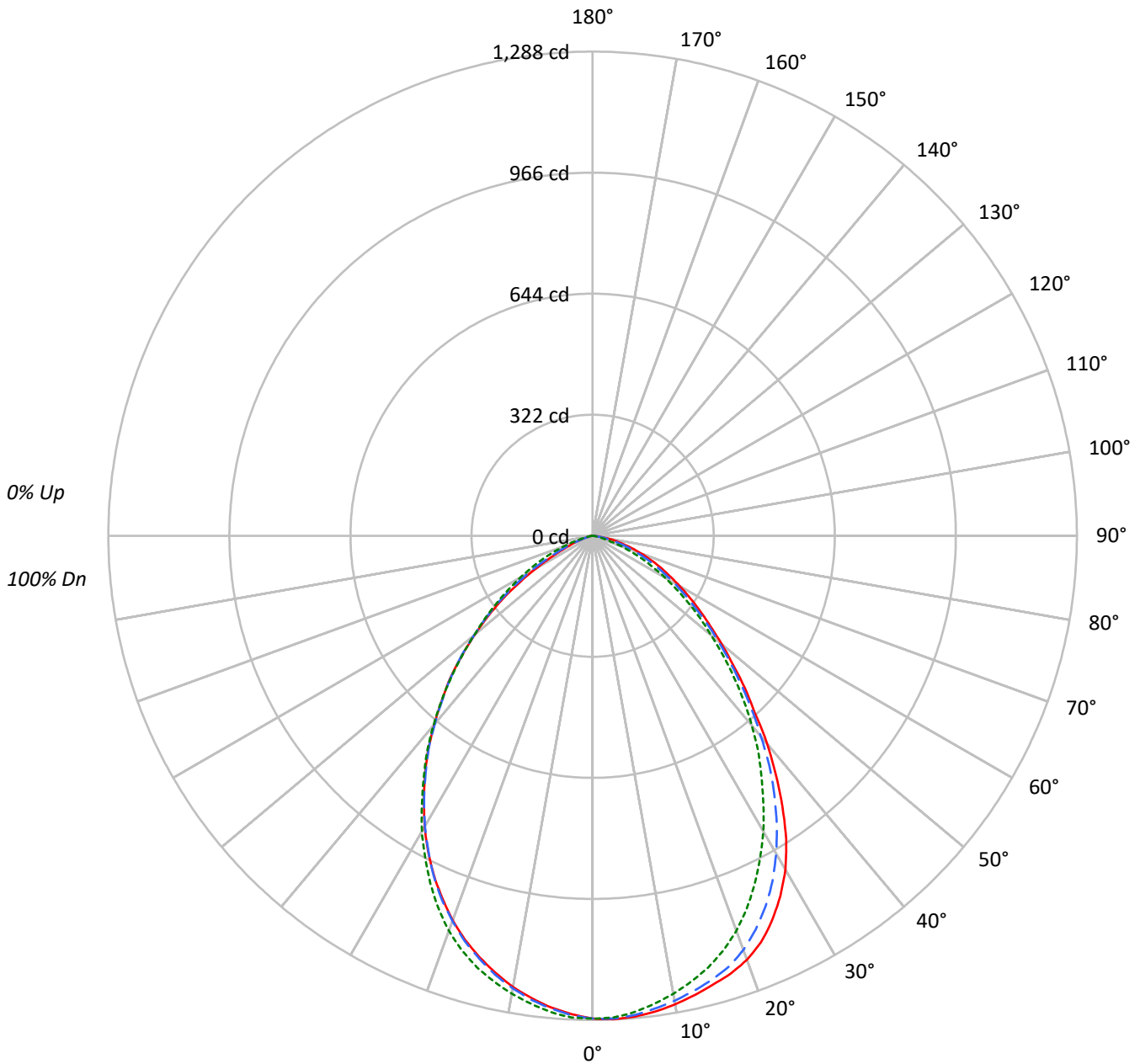
Lumens per Lamp: N/A
Luminaire Lumens: 2336.3 lumens
Efficiency: N/A
Efficacy: 68.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	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°	70411	70411	70411
5°	70658	70014	69332
10°	70445	68875	67868
15°	70176	67458	65891
20°	70018	65234	63496
25°	68314	61733	60378
30°	64909	57503	56547
35°	58912	52354	52006
40°	51690	47117	46874
45°	44322	41167	41508
50°	38148	35086	34907
55°	33337	29629	27813
60°	29307	24285	18979
65°	25658	18822	11428
70°	21863	12662	6716
75°	17644	6587	3643
80°	12249	2589	2052
85°	4843	818	1069



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.4	5.2
10°-20°	336.1	14.4
20°-30°	478.2	20.5
30°-40°	503.4	21.5
40°-50°	419.5	18.0
50°-60°	283.4	12.1
60°-70°	143.7	6.2
70°-80°	46.4	2.0
80°-90°	5.3	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°	934.7	40.0
0°-40°	1438.0	61.6
0°-60°	2140.9	91.6
0°-90°	2336.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2336.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1284	1284	1284	1284	1284	
5°	1284	1280	1272	1263	1260	122
15°	1236	1223	1189	1165	1161	349
25°	1129	1088	1021	1000	998	518
35°	880	842	782	774	777	548
45°	572	557	531	533	535	442
55°	349	332	310	300	291	314
65°	198	178	145	105	88	197
75°	83	65	31	17	17	90
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°	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4
2.5°	1287.5	1287.5	1287.5	1287.5	1287.5	1287.5	1287.0	1287.0	1286.2	1286.2	1285.7
5°	1284.0	1284.4	1284.4	1284.0	1284.0	1283.1	1283.1	1282.7	1281.4	1280.6	1280.1
7.5°	1276.7	1276.7	1276.2	1275.8	1275.4	1274.0	1273.6	1272.3	1271.5	1270.6	1268.8
10°	1265.5	1265.5	1265.0	1264.1	1263.7	1262.8	1262.8	1261.1	1259.3	1257.2	1255.9
12.5°	1252.0	1252.4	1251.6	1251.2	1249.9	1249.5	1248.5	1246.4	1245.2	1242.5	1240.4
15°	1236.5	1237.3	1237.3	1235.6	1234.4	1233.9	1232.6	1231.3	1228.3	1225.7	1223.2
17.5°	1221.4	1222.2	1221.4	1220.1	1218.8	1217.0	1216.2	1213.6	1209.7	1206.2	1202.4
20°	1200.2	1201.5	1199.8	1197.7	1195.0	1194.6	1193.3	1189.0	1183.4	1178.2	1172.6
22.5°	1170.5	1169.5	1168.3	1167.4	1163.1	1160.5	1158.7	1153.1	1147.1	1140.2	1133.4
25°	1129.4	1131.1	1128.6	1124.7	1122.5	1119.9	1115.6	1109.6	1104.0	1096.7	1088.4
27.5°	1081.1	1081.1	1077.6	1076.4	1071.6	1068.1	1066.0	1060.0	1052.6	1045.3	1036.2
30°	1025.4	1022.7	1022.7	1016.7	1012.9	1011.5	1009.4	999.5	993.0	985.2	976.2
32.5°	958.0	957.6	955.9	952.0	946.8	942.5	942.5	935.6	926.9	917.4	911.8
35°	880.3	880.7	879.8	875.6	875.6	870.4	869.5	863.5	856.6	849.2	842.3
37.5°	800.0	801.7	800.0	797.9	796.5	796.1	792.3	787.9	782.8	778.4	773.2
40°	722.3	719.7	720.6	716.2	716.7	715.8	714.1	708.5	705.4	701.1	695.5
42.5°	638.5	641.1	642.0	639.4	638.5	636.8	638.5	636.4	632.9	630.8	625.6
45°	571.7	569.0	570.3	569.4	569.9	566.5	565.1	564.2	563.0	559.1	556.9
47.5°	505.1	505.5	505.1	503.4	502.6	502.6	500.8	498.3	498.3	495.6	493.9
50°	447.3	447.3	448.1	446.0	445.2	443.4	443.8	441.2	439.6	437.3	436.1
52.5°	394.2	394.6	392.9	393.3	392.5	392.5	390.7	389.0	387.3	383.4	382.5
55°	348.8	349.2	347.1	348.0	345.4	344.0	343.2	340.7	340.7	336.8	332.0
57.5°	306.5	306.1	305.7	304.4	302.7	301.3	300.1	297.0	295.7	293.2	289.3
60°	267.3	266.8	266.0	265.5	264.2	261.2	261.2	259.0	254.7	252.1	248.2
62.5°	230.1	230.1	229.7	228.3	227.1	225.8	225.0	223.2	218.9	215.9	212.4
65°	197.8	197.4	196.0	193.9	193.0	193.0	190.0	188.7	185.2	182.2	178.3
67.5°	166.7	164.9	164.0	164.5	161.9	161.9	159.3	157.2	154.1	148.9	146.0
70°	136.4	135.6	134.7	133.8	133.4	131.7	130.4	127.8	124.8	120.9	116.1
72.5°	109.3	109.3	108.0	107.0	105.8	104.1	103.2	101.0	97.6	93.3	89.8
75°	83.3	83.3	83.3	81.6	80.7	79.9	77.3	75.9	72.1	69.5	65.2
77.5°	61.3	60.4	59.1	58.7	57.9	57.0	55.7	53.5	50.1	47.1	44.4
80°	38.8	40.2	38.8	38.8	36.7	35.9	35.4	32.8	31.5	29.0	26.8
82.5°	21.6	22.0	21.2	20.7	19.5	19.0	19.0	17.2	16.4	14.7	13.4
85°	7.7	8.2	7.7	7.7	6.9	7.3	6.9	6.5	5.6	4.8	4.3
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4
2.5°	1285.7	1284.8	1284.8	1284.4	1284.0	1284.0	1284.0	1283.5	1282.7	1282.7	1282.3
5°	1279.2	1278.4	1277.1	1276.2	1275.8	1275.4	1274.9	1274.4	1272.8	1272.3	1271.1
7.5°	1267.6	1266.7	1264.5	1263.7	1262.4	1262.0	1260.3	1259.3	1257.6	1255.9	1255.1
10°	1253.7	1251.6	1249.9	1247.7	1246.8	1245.6	1243.4	1240.8	1239.5	1237.3	1235.6
12.5°	1238.2	1235.6	1232.1	1229.6	1228.8	1226.5	1223.2	1220.9	1218.0	1214.5	1211.4
15°	1218.8	1215.7	1212.8	1208.0	1206.7	1204.1	1200.6	1196.4	1192.1	1188.6	1185.1
17.5°	1197.7	1192.9	1188.1	1183.0	1179.1	1177.8	1172.2	1166.1	1162.2	1156.2	1152.3
20°	1167.8	1161.4	1153.6	1148.4	1145.0	1141.1	1134.6	1128.2	1123.4	1118.2	1112.6
22.5°	1126.8	1120.8	1111.7	1104.0	1101.3	1095.7	1090.1	1084.1	1078.0	1072.4	1065.6
25°	1078.5	1072.0	1062.9	1055.2	1050.9	1048.2	1037.4	1031.4	1025.4	1020.6	1015.9
27.5°	1028.9	1017.1	1011.1	999.0	995.1	994.3	984.3	977.9	971.4	964.9	958.9
30°	967.5	958.4	949.4	940.8	935.6	932.5	925.2	917.0	912.7	908.4	902.4
32.5°	904.1	895.8	884.6	876.5	872.5	868.2	861.8	856.2	849.7	844.9	843.6
35°	836.3	827.2	817.7	811.6	810.8	805.6	799.1	794.4	789.6	782.3	781.1
37.5°	763.7	758.5	752.1	743.4	739.6	739.6	733.0	729.7	723.6	723.2	719.7
40°	692.5	690.3	680.4	677.8	677.0	671.0	669.2	663.1	658.8	658.4	653.2
42.5°	622.1	616.5	614.8	610.5	606.6	605.7	601.8	599.3	597.6	594.9	592.4
45°	552.2	550.9	546.6	543.5	542.2	540.6	539.3	534.1	533.2	531.0	529.8
47.5°	491.8	488.3	484.4	480.9	480.5	477.9	474.9	474.9	470.1	469.7	468.8
50°	431.7	429.2	427.0	422.2	423.1	419.7	419.2	415.3	413.2	411.4	413.6
52.5°	379.1	373.9	373.0	369.1	367.8	368.3	363.5	362.2	361.4	359.6	358.7
55°	329.0	326.4	322.9	320.4	318.2	316.0	314.3	314.3	309.6	310.0	307.9
57.5°	284.9	282.8	278.5	274.6	273.7	271.2	269.0	266.8	266.4	263.4	261.2
60°	245.7	241.8	236.2	234.5	231.8	229.7	227.5	225.0	223.7	221.5	217.6
62.5°	209.0	202.5	200.3	196.8	193.9	192.6	189.1	186.0	183.9	180.9	177.9
65°	174.0	169.2	165.3	161.5	161.1	157.6	154.5	152.0	147.6	145.1	139.5
67.5°	142.0	137.7	133.4	129.6	126.5	125.6	120.9	117.8	114.9	109.7	104.9
70°	112.6	108.4	104.9	100.2	98.9	95.4	91.9	88.9	83.8	79.0	75.1
72.5°	85.9	81.1	77.3	73.8	71.7	68.6	65.2	61.8	56.6	51.8	48.3
75°	61.3	57.9	53.9	50.6	48.8	47.1	43.2	39.2	35.9	31.1	28.0
77.5°	41.5	38.0	34.6	31.5	29.4	28.0	25.5	22.4	19.5	16.8	14.7
80°	24.2	22.0	19.5	16.8	16.4	15.1	12.9	11.2	9.5	8.2	6.5
82.5°	11.6	10.4	8.7	7.3	6.5	6.0	5.2	4.3	3.5	3.1	3.1
85°	3.5	3.1	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°	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4
2.5°	1281.0	1280.6	1280.1	1279.6	1278.8	1278.8	1277.5	1276.7	1276.7	1275.8	1275.4
5°	1269.7	1268.4	1268.0	1267.2	1266.3	1265.9	1264.1	1263.7	1262.8	1262.0	1262.0
7.5°	1253.7	1252.0	1250.3	1249.5	1249.1	1247.7	1246.8	1246.4	1245.2	1244.3	1242.5
10°	1232.6	1231.3	1229.2	1228.3	1227.4	1226.5	1224.4	1223.2	1222.7	1221.8	1220.9
12.5°	1208.0	1206.2	1204.1	1202.4	1201.5	1200.2	1198.1	1196.8	1196.8	1195.0	1195.0
15°	1181.7	1179.1	1175.1	1173.4	1173.0	1170.5	1168.7	1167.0	1164.9	1163.9	1163.9
17.5°	1148.0	1143.6	1140.2	1140.2	1138.5	1135.9	1133.4	1132.0	1130.7	1129.0	1128.2
20°	1108.3	1105.2	1101.3	1101.3	1097.5	1096.7	1094.0	1093.6	1090.5	1090.9	1089.7
22.5°	1060.4	1058.6	1056.5	1054.8	1052.6	1050.0	1048.6	1049.2	1047.8	1047.4	1047.0
25°	1011.9	1007.3	1004.6	1003.8	1003.0	1000.7	999.9	999.5	999.5	998.2	998.6
27.5°	956.3	952.8	949.4	950.7	948.9	947.6	946.8	945.5	946.4	945.9	946.4
30°	899.3	895.0	892.9	893.7	893.3	889.8	891.6	891.1	891.6	891.6	892.4
32.5°	839.3	836.3	835.8	836.3	832.4	832.8	831.1	833.7	834.2	836.7	834.6
35°	778.4	776.7	773.7	773.2	773.7	773.2	773.2	774.9	774.5	777.1	776.3
37.5°	715.8	715.0	711.9	712.8	711.0	714.1	715.0	714.1	717.1	716.2	715.8
40°	654.5	653.2	651.5	655.0	652.8	651.1	654.0	651.5	652.3	655.0	655.0
42.5°	592.4	590.2	590.2	590.2	589.7	589.7	591.0	592.4	591.4	592.0	595.3
45°	529.8	529.3	528.0	528.9	528.4	530.6	530.6	531.5	533.2	535.0	534.1
47.5°	469.3	468.4	469.7	468.8	469.3	468.0	468.8	471.5	473.6	470.5	473.6
50°	412.7	411.0	410.6	411.8	411.4	411.0	411.8	411.8	411.0	411.0	414.1
52.5°	358.7	357.1	355.8	357.9	356.6	357.1	355.4	355.4	356.2	355.4	354.0
55°	308.3	306.9	305.2	306.1	304.0	303.5	301.7	301.7	300.5	299.6	297.0
57.5°	259.9	259.0	255.2	254.7	255.2	252.1	249.1	247.8	244.3	243.5	243.0
60°	217.1	212.4	210.3	207.6	205.9	204.7	201.2	199.0	193.9	190.8	190.4
62.5°	172.7	170.5	168.0	164.0	163.2	158.9	155.5	149.8	147.2	143.3	139.5
65°	136.9	131.3	127.3	125.2	121.7	117.8	114.0	108.0	104.9	100.2	96.2
67.5°	100.2	95.4	90.2	88.5	85.5	80.7	76.9	71.7	69.1	64.7	63.5
70°	68.6	64.3	60.4	57.9	55.7	51.0	47.1	45.4	42.7	41.9	41.9
72.5°	44.0	40.2	35.9	34.6	32.8	30.2	27.6	26.8	27.6	27.2	27.2
75°	24.6	22.4	19.5	18.1	18.1	17.2	16.8	16.8	16.8	16.8	16.8
77.5°	12.5	11.2	10.4	9.9	9.9	9.9	10.4	10.4	10.4	10.8	10.4
80°	6.0	5.6	5.6	5.6	6.0	6.0	6.0	6.0	6.0	6.5	6.0
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.5	3.5	3.5	3.5	3.5
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: P844271

CATALOG NUMBER: LD6C30DE010B2750 EU6C30B27 6LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4	1284.4
2.5°	1274.9	1274.0	1274.0	1273.6	1273.6	1273.6	1273.6	1274.0
5°	1261.1	1260.7	1260.7	1259.9	1259.9	1259.9	1259.9	1259.9
7.5°	1242.5	1241.7	1242.1	1241.2	1241.2	1241.7	1241.2	1240.8
10°	1219.7	1219.2	1219.7	1219.7	1218.8	1218.4	1218.8	1219.2
12.5°	1193.8	1193.3	1192.5	1192.9	1192.9	1192.5	1192.1	1191.2
15°	1163.5	1163.1	1162.7	1162.2	1161.8	1162.2	1161.8	1161.0
17.5°	1128.2	1128.2	1127.6	1127.2	1126.8	1126.0	1126.4	1127.6
20°	1090.1	1089.7	1088.8	1089.3	1087.6	1086.7	1087.1	1088.4
22.5°	1046.5	1045.3	1046.1	1044.8	1044.8	1045.3	1044.8	1044.0
25°	999.0	997.3	998.2	998.6	998.6	998.2	997.8	998.2
27.5°	946.4	947.6	947.6	946.8	948.1	946.4	947.2	947.6
30°	892.4	891.1	890.6	892.4	895.0	892.9	892.9	893.3
32.5°	836.7	835.0	835.0	835.8	835.4	835.4	837.1	835.0
35°	777.1	778.0	774.5	776.7	777.6	776.7	777.1	777.1
37.5°	717.1	716.2	716.2	716.2	717.5	717.5	718.5	718.0
40°	658.0	656.3	655.8	656.7	655.0	656.3	656.3	655.0
42.5°	594.1	594.5	596.6	594.5	594.9	594.5	593.6	593.2
45°	535.0	536.2	535.4	535.0	535.4	533.6	534.1	535.4
47.5°	472.3	474.9	472.3	474.0	473.6	472.8	471.9	470.1
50°	413.6	414.5	414.1	413.6	413.2	412.7	410.6	409.3
52.5°	353.6	353.6	353.6	353.6	349.2	351.5	350.6	348.0
55°	294.9	296.1	294.4	294.4	291.4	291.4	290.5	291.0
57.5°	238.3	237.0	235.7	235.7	232.7	231.4	230.1	228.3
60°	185.6	184.3	182.7	180.4	177.5	177.5	176.6	173.1
62.5°	136.0	133.8	132.5	130.8	128.2	126.5	125.2	126.1
65°	93.3	91.1	89.4	89.4	89.4	88.5	88.1	88.1
67.5°	61.3	62.6	61.8	62.6	62.6	61.8	61.3	62.2
70°	42.3	42.3	41.9	41.9	41.9	41.9	41.5	41.9
72.5°	27.2	27.2	27.2	27.6	27.2	27.2	27.6	27.6
75°	17.2	17.2	17.2	17.7	17.2	17.2	17.7	17.2
77.5°	10.4	10.8	10.8	10.8	10.8	10.4	10.8	10.8
80°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
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



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— 0°-180° - - 45°-225° - - - - 90°-270°













(END OF REPORT)