

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: P844322

Luminaire Tested: **LD6C30DE010B40 EU6C30B40 6LBLWWH**

Issue Date: 5/7/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P844322  
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: LD6C30DE010B40 EU6C30B40 6LBLWWH  
Description:  
Light Source: -  
Ballast/Driver:

**Summary**

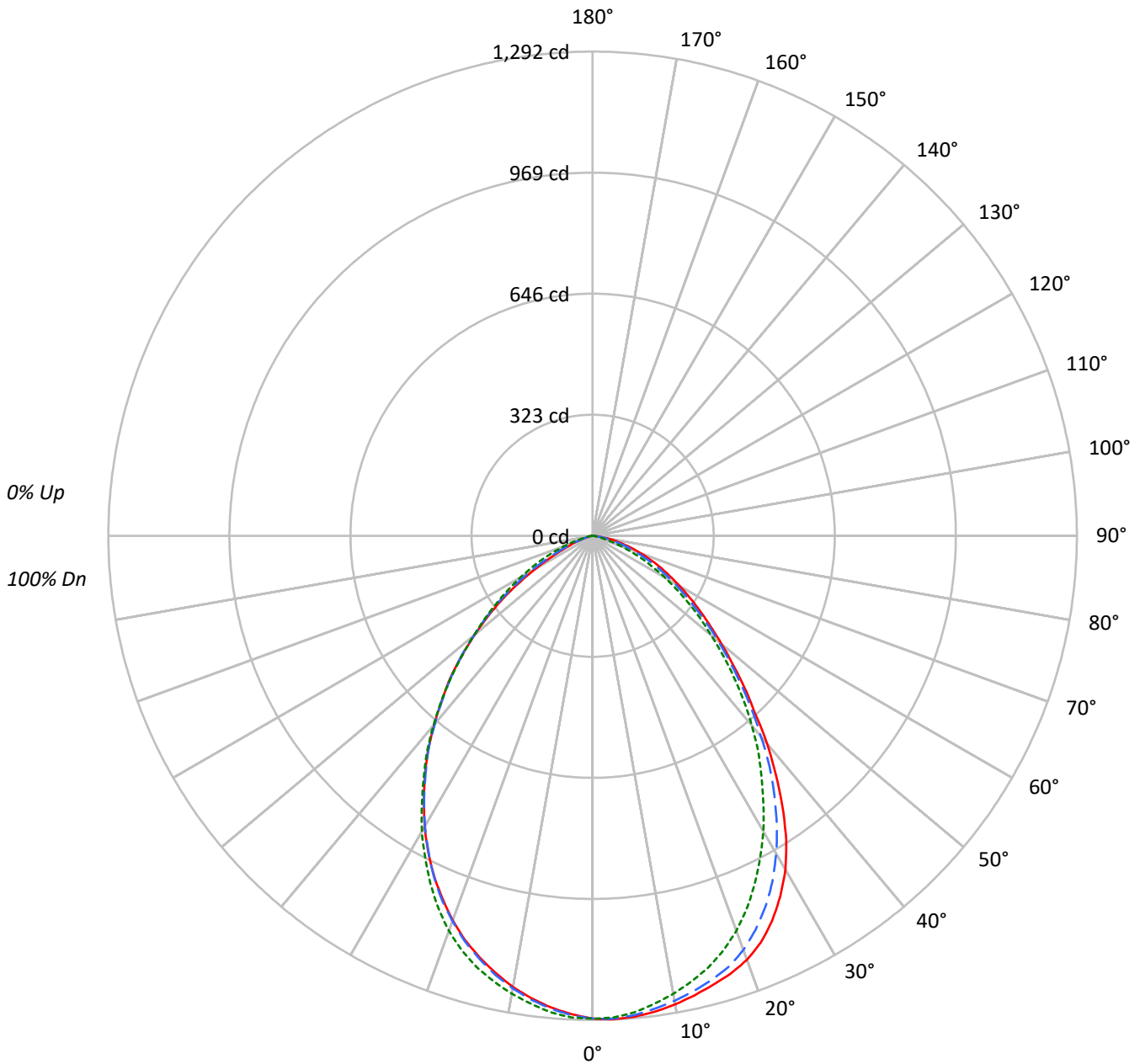
Lumens per Lamp: N/A  
Luminaire Lumens: 2343.7 lumens  
Efficiency: N/A  
Efficacy: 68.7 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.08 / 1.16  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

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°	70636	70636	70636
5°	70884	70240	69546
10°	70668	69092	68079
15°	70398	67673	66101
20°	70239	65438	63700
25°	68532	61933	60572
30°	65118	57686	56724
35°	59100	52521	52173
40°	51854	47267	47017
45°	44454	41299	41640
50°	38259	35206	35018
55°	33452	29715	27899
60°	29395	24362	19045
65°	25736	18874	11454
70°	21943	12694	6732
75°	17707	6608	3664
80°	12312	2589	2052
85°	4906	818	1069



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	120.7	5.2
10°-20°	337.1	14.4
20°-30°	479.8	20.5
30°-40°	505.0	21.5
40°-50°	420.8	18.0
50°-60°	284.3	12.1
60°-70°	144.1	6.2
70°-80°	46.5	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°	937.6	40.0
0°-40°	1442.6	61.6
0°-60°	2147.7	91.6
0°-90°	2343.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2343.7	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1288	1288	1288	1288	1288	
5°	1288	1284	1276	1267	1264	122
15°	1240	1227	1192	1168	1165	350
25°	1133	1092	1024	1003	1001	519
35°	883	845	785	777	780	550
45°	573	559	533	535	537	444
55°	350	333	311	301	292	315
65°	198	179	146	105	88	197
75°	84	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°	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5
2.5°	1291.5	1291.5	1291.5	1291.5	1291.5	1291.5	1291.1	1291.1	1290.2	1290.2	1289.8
5°	1288.1	1288.5	1288.5	1288.1	1288.1	1287.1	1287.1	1286.7	1285.4	1284.6	1284.2
7.5°	1280.7	1280.7	1280.3	1279.8	1279.4	1278.0	1277.6	1276.4	1275.5	1274.7	1272.9
10°	1269.5	1269.5	1268.9	1268.1	1267.7	1266.8	1266.8	1265.1	1263.3	1261.2	1259.9
12.5°	1256.0	1256.5	1255.6	1255.1	1253.8	1253.4	1252.6	1250.3	1249.1	1246.5	1244.3
15°	1240.4	1241.2	1241.2	1239.5	1238.3	1237.9	1236.5	1235.2	1232.1	1229.6	1227.0
17.5°	1225.3	1226.1	1225.3	1224.0	1222.6	1220.9	1220.1	1217.4	1213.5	1210.1	1206.2
20°	1204.0	1205.3	1203.6	1201.5	1198.8	1198.4	1197.1	1192.8	1187.1	1181.9	1176.3
22.5°	1174.2	1173.2	1172.0	1171.1	1166.8	1164.1	1162.4	1156.8	1150.8	1143.8	1136.9
25°	1133.0	1134.7	1132.1	1128.3	1126.1	1123.5	1119.2	1113.1	1107.4	1100.0	1091.9
27.5°	1084.5	1084.5	1081.0	1079.7	1075.0	1071.5	1069.4	1063.2	1055.9	1048.5	1039.4
30°	1028.7	1026.0	1026.0	1020.0	1016.1	1014.8	1012.6	1002.6	996.2	988.4	979.3
32.5°	961.1	960.6	958.9	955.0	949.8	945.4	945.4	938.5	929.9	920.4	914.7
35°	883.1	883.5	882.7	878.4	878.4	873.2	872.2	866.2	859.3	851.9	844.9
37.5°	802.5	804.2	802.5	800.4	799.0	798.6	794.7	790.4	785.2	780.9	775.7
40°	724.6	721.9	722.9	718.6	719.0	718.1	716.3	710.7	707.7	703.3	697.7
42.5°	640.6	643.1	644.0	641.5	640.6	638.8	640.6	638.4	634.9	632.8	627.6
45°	573.4	570.8	572.2	571.2	571.7	568.3	566.9	566.0	564.8	560.9	558.7
47.5°	506.7	507.1	506.7	505.0	504.2	504.2	502.4	499.8	499.8	497.2	495.5
50°	448.6	448.6	449.6	447.4	446.5	444.8	445.3	442.6	440.9	438.7	437.4
52.5°	395.4	395.9	394.1	394.6	393.7	393.7	392.0	390.3	388.5	384.6	383.7
55°	350.0	350.4	348.2	349.1	346.5	345.2	344.4	341.7	341.7	337.8	333.0
57.5°	307.5	307.0	306.6	305.3	303.6	302.3	301.0	297.9	296.7	294.1	290.2
60°	268.1	267.7	266.8	266.3	265.0	262.0	262.0	259.9	255.5	253.0	249.1
62.5°	230.9	230.9	230.5	229.1	227.8	226.5	225.7	223.9	219.6	216.6	213.1
65°	198.4	197.9	196.6	194.5	193.5	193.5	190.6	189.3	185.8	182.8	178.8
67.5°	167.2	165.4	164.6	165.0	162.5	162.5	159.8	157.7	154.6	149.4	146.4
70°	136.9	136.0	135.2	134.2	133.8	132.1	130.8	128.2	125.1	121.3	116.6
72.5°	109.6	109.6	108.3	107.5	106.1	104.4	103.5	101.3	97.8	93.6	90.1
75°	83.6	83.6	83.6	81.9	81.0	80.2	77.5	76.3	72.3	69.7	65.4
77.5°	61.4	60.6	59.3	58.9	58.1	57.2	55.8	53.7	50.2	47.2	44.6
80°	39.0	40.3	39.0	39.0	36.8	36.0	35.5	32.9	31.6	29.0	26.9
82.5°	21.7	22.1	21.3	20.8	19.5	19.0	19.0	17.3	16.5	14.7	13.4
85°	7.8	8.2	7.8	7.8	7.0	7.4	7.0	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°	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5
2.5°	1289.8	1288.9	1288.9	1288.5	1288.1	1288.1	1288.1	1287.7	1286.7	1286.7	1286.3
5°	1283.3	1282.4	1281.1	1280.3	1279.8	1279.4	1279.0	1278.6	1276.8	1276.4	1275.1
7.5°	1271.6	1270.7	1268.5	1267.7	1266.4	1266.0	1264.2	1263.3	1261.7	1259.9	1259.0
10°	1257.7	1255.6	1253.8	1251.7	1250.8	1249.5	1247.4	1244.7	1243.5	1241.2	1239.5
12.5°	1242.2	1239.5	1236.1	1233.5	1232.6	1230.5	1227.0	1224.8	1221.8	1218.3	1215.3
15°	1222.6	1219.7	1216.6	1211.8	1210.6	1207.9	1204.4	1200.1	1195.8	1192.4	1188.9
17.5°	1201.5	1196.7	1192.0	1186.7	1182.9	1181.5	1175.9	1169.8	1165.9	1159.9	1156.0
20°	1171.5	1165.1	1157.3	1152.1	1148.6	1144.7	1138.2	1131.7	1126.9	1121.7	1116.1
22.5°	1130.4	1124.4	1115.3	1107.4	1104.8	1099.2	1093.6	1087.6	1081.4	1075.8	1069.0
25°	1081.9	1075.4	1066.3	1058.5	1054.1	1051.6	1040.7	1034.7	1028.7	1023.9	1019.1
27.5°	1032.0	1020.4	1014.4	1002.2	998.3	997.5	987.5	981.0	974.5	967.9	961.9
30°	970.6	961.5	952.4	943.7	938.5	935.5	928.2	919.9	915.6	911.3	905.2
32.5°	906.9	898.7	887.5	879.2	875.3	871.0	864.5	858.8	852.3	847.6	846.3
35°	838.9	829.8	820.3	814.3	813.3	808.1	801.7	796.9	792.2	784.8	783.5
37.5°	766.1	761.0	754.5	745.8	741.9	741.9	735.4	732.0	725.9	725.4	721.9
40°	694.7	692.5	682.6	680.0	679.1	673.1	671.3	665.3	660.9	660.5	655.3
42.5°	624.1	618.5	616.7	612.4	608.6	607.6	603.7	601.2	599.5	596.8	594.2
45°	554.0	552.6	548.3	545.3	543.9	542.2	541.0	535.8	534.8	532.7	531.5
47.5°	493.3	489.8	486.0	482.5	482.1	479.4	476.5	476.5	471.6	471.2	470.3
50°	433.1	430.5	428.3	423.6	424.4	420.9	420.5	416.6	414.5	412.8	414.9
52.5°	380.2	375.0	374.2	370.3	369.0	369.4	364.7	363.4	362.6	360.8	359.9
55°	330.0	327.4	324.0	321.4	319.2	317.1	315.3	315.3	310.5	310.9	308.8
57.5°	285.9	283.7	279.3	275.4	274.6	272.0	269.8	267.7	267.3	264.2	262.0
60°	246.4	242.5	236.9	235.2	232.6	230.5	228.2	225.7	224.3	222.2	218.3
62.5°	209.6	203.2	201.0	197.5	194.5	193.1	189.7	186.7	184.5	181.5	178.4
65°	174.5	169.8	165.8	162.0	161.5	158.1	155.0	152.4	148.2	145.5	139.9
67.5°	142.5	138.1	133.8	130.0	126.9	126.1	121.3	118.2	115.2	110.0	105.2
70°	113.1	108.7	105.2	100.5	99.2	95.7	92.2	89.3	84.0	79.2	75.4
72.5°	86.2	81.4	77.5	74.0	71.9	68.9	65.4	62.0	56.7	51.9	48.5
75°	61.4	58.1	54.2	50.7	49.0	47.2	43.4	39.4	36.0	31.2	28.1
77.5°	41.6	38.1	34.7	31.6	29.4	28.1	25.6	22.5	19.5	16.9	14.7
80°	24.2	22.1	19.5	16.9	16.5	15.1	13.0	11.2	9.5	8.2	6.5
82.5°	11.7	10.4	8.7	7.4	6.5	6.0	5.2	4.3	3.5	3.1	3.1
85°	3.5	3.1	2.6	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°	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5
2.5°	1285.0	1284.6	1284.2	1283.8	1282.8	1282.8	1281.5	1280.7	1280.7	1279.8	1279.4
5°	1273.8	1272.4	1272.0	1271.2	1270.3	1269.9	1268.1	1267.7	1266.8	1266.0	1266.0
7.5°	1257.7	1256.0	1254.2	1253.4	1253.0	1251.7	1250.8	1250.3	1249.1	1248.2	1246.5
10°	1236.5	1235.2	1233.1	1232.1	1231.3	1230.5	1228.3	1227.0	1226.5	1225.7	1224.8
12.5°	1211.8	1210.1	1207.9	1206.2	1205.3	1204.0	1201.9	1200.5	1200.5	1198.8	1198.8
15°	1185.4	1182.9	1178.9	1177.1	1176.7	1174.2	1172.4	1170.7	1168.5	1167.6	1167.6
17.5°	1151.7	1147.3	1143.8	1143.8	1142.1	1139.5	1136.9	1135.6	1134.3	1132.6	1131.7
20°	1111.8	1108.7	1104.8	1104.8	1101.0	1100.0	1097.5	1097.1	1094.0	1094.4	1093.2
22.5°	1063.7	1062.0	1059.9	1058.1	1055.9	1053.3	1052.0	1052.5	1051.2	1050.8	1050.2
25°	1015.2	1010.5	1007.8	1007.0	1006.1	1003.9	1003.1	1002.6	1002.6	1001.4	1001.8
27.5°	959.4	955.9	952.4	953.7	952.0	950.7	949.8	948.5	949.3	948.9	949.3
30°	902.2	897.8	895.7	896.6	896.1	892.6	894.3	893.9	894.3	894.3	895.2
32.5°	842.0	838.9	838.5	838.9	835.0	835.4	833.7	836.4	836.8	839.3	837.2
35°	780.9	779.2	776.1	775.7	776.1	775.7	775.7	777.5	776.9	779.6	778.7
37.5°	718.1	717.2	714.2	715.1	713.4	716.3	717.2	716.3	719.4	718.6	718.1
40°	656.6	655.3	653.5	657.0	654.9	653.1	656.2	653.5	654.5	657.0	657.0
42.5°	594.2	592.1	592.1	592.1	591.6	591.6	592.9	594.2	593.3	593.8	597.2
45°	531.5	531.0	529.7	530.5	530.1	532.3	532.3	533.2	534.8	536.6	535.8
47.5°	470.8	469.9	471.2	470.3	470.8	469.5	470.3	473.0	475.1	472.1	475.1
50°	414.1	412.3	411.8	413.2	412.8	412.3	413.2	413.2	412.3	412.3	415.3
52.5°	359.9	358.2	356.8	359.1	357.8	358.2	356.4	356.4	357.3	356.4	355.2
55°	309.3	308.0	306.2	307.0	304.9	304.5	302.7	302.7	301.4	300.6	297.9
57.5°	260.7	259.9	255.9	255.5	255.9	253.0	249.9	248.6	245.2	244.3	243.9
60°	217.9	213.1	210.9	208.4	206.6	205.3	201.8	199.7	194.5	191.4	191.0
62.5°	173.2	171.1	168.5	164.6	163.7	159.4	155.9	150.3	147.6	143.8	139.9
65°	137.3	131.7	127.8	125.6	122.2	118.2	114.3	108.3	105.2	100.5	96.6
67.5°	100.5	95.7	90.5	88.7	85.8	81.0	77.1	71.9	69.3	64.9	63.7
70°	68.9	64.5	60.6	58.1	55.8	51.1	47.2	45.5	42.8	42.0	42.0
72.5°	44.2	40.3	36.0	34.7	32.9	30.4	27.7	26.9	27.7	27.3	27.3
75°	24.6	22.5	19.5	18.2	18.2	17.3	16.9	16.9	16.9	16.9	16.9
77.5°	12.6	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: P844322

CATALOG NUMBER: LD6C30DE010B40 EU6C30B40 6LBLWWH

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5	1288.5
2.5°	1279.0	1278.0	1278.0	1277.6	1277.6	1277.6	1277.6	1278.0
5°	1265.1	1264.7	1264.7	1263.8	1263.8	1263.8	1263.8	1263.8
7.5°	1246.5	1245.6	1246.0	1245.2	1245.2	1245.6	1245.2	1244.7
10°	1223.5	1223.0	1223.5	1223.5	1222.6	1222.2	1222.6	1223.0
12.5°	1197.6	1197.1	1196.2	1196.7	1196.7	1196.2	1195.8	1194.9
15°	1167.2	1166.8	1166.4	1165.9	1165.5	1165.9	1165.5	1164.7
17.5°	1131.7	1131.7	1131.2	1130.8	1130.4	1129.6	1130.0	1131.2
20°	1093.6	1093.2	1092.3	1092.7	1090.9	1090.1	1090.5	1091.9
22.5°	1049.8	1048.5	1049.4	1048.1	1048.1	1048.5	1048.1	1047.3
25°	1002.2	1000.5	1001.4	1001.8	1001.8	1001.4	1000.9	1001.4
27.5°	949.3	950.7	950.7	949.8	951.1	949.3	950.3	950.7
30°	895.2	893.9	893.5	895.2	897.8	895.7	895.7	896.1
32.5°	839.3	837.6	837.6	838.5	838.1	838.1	839.8	837.6
35°	779.6	780.4	776.9	779.2	780.0	779.2	779.6	779.6
37.5°	719.4	718.6	718.6	718.6	719.8	719.8	720.7	720.2
40°	660.1	658.3	657.8	658.8	657.0	658.3	658.3	657.0
42.5°	596.0	596.4	598.5	596.4	596.8	596.4	595.6	595.1
45°	536.6	537.9	537.1	536.6	537.1	535.3	535.8	537.1
47.5°	473.8	476.5	473.8	475.5	475.1	474.2	473.4	471.6
50°	414.9	415.8	415.3	414.9	414.5	414.1	411.8	410.6
52.5°	354.7	354.7	354.7	354.7	350.4	352.5	351.7	349.1
55°	295.8	297.1	295.4	295.4	292.3	292.3	291.5	291.9
57.5°	239.0	237.8	236.5	236.5	233.4	232.2	230.9	229.1
60°	186.2	185.0	183.2	181.1	178.0	178.0	177.2	173.7
62.5°	136.4	134.2	132.9	131.3	128.6	126.9	125.6	126.5
65°	93.6	91.4	89.7	89.7	89.7	88.7	88.3	88.3
67.5°	61.4	62.8	62.0	62.8	62.8	62.0	61.4	62.4
70°	42.4	42.4	42.0	42.0	42.0	42.0	41.6	42.0
72.5°	27.3	27.3	27.3	27.7	27.3	27.3	27.7	27.7
75°	17.3	17.3	17.3	17.8	17.3	17.3	17.8	17.3
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



Report Generated By 670246072 / DESKTOP-50001EG





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















(END OF REPORT)