

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: P844236

Luminaire Tested: **LD6C25DE010B2750 EU6C25B40 6LBLDWWLI**

Issue Date: 5/7/2024



Test Information

Test Method: LM-79-08
Report Number: P844236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-13)
Test Lab: INNOVATION CENTER
Issue Date: 5/7/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C25DE010B2750 EU6C25B40 6LBLDWWLI
Description:
Light Source: -
Ballast/Driver:

Summary

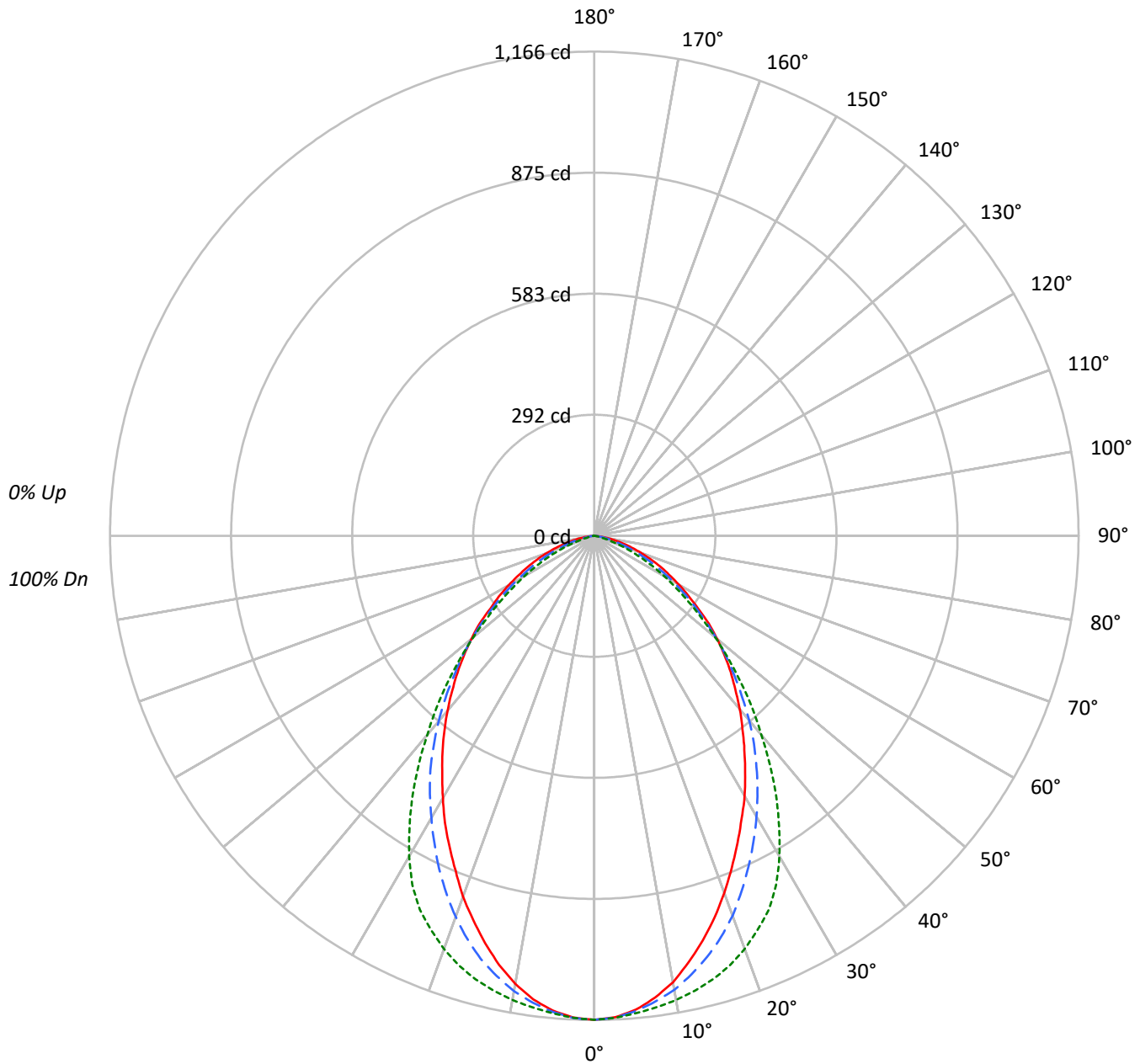
Lumens per Lamp: N/A
Luminaire Lumens: 2086.7 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 1.15 / 1.13
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
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					0
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	111	107	104	101	108	105	102	99		101	98	96		97	95	93		93	92	90
2	103	96	90	85	100	94	89	84		91	86	82		87	84	81		85	82	79
3	95	86	79	73	93	84	78	73		82	76	72		79	74	70		77	73	69
4	88	77	70	64	86	76	69	64		74	68	63		72	66	62		70	65	61
5	82	70	62	57	80	69	62	56		67	61	56		65	60	55		64	59	55
6	76	64	56	50	74	63	56	50		61	55	50		60	54	49		58	53	49
7	71	59	51	45	69	58	50	45		56	50	45		55	49	45		54	48	44
8	66	54	46	41	65	53	46	41		52	45	41		51	45	40		50	44	40
9	62	50	42	37	61	49	42	37		48	42	37		47	41	37		46	41	37
10	59	46	39	34	57	46	39	34		45	39	34		44	38	34		43	38	34

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	63904	63904	63904
5°	63058	63510	63163
10°	60754	63186	60993
15°	57259	62736	57634
20°	53362	61763	53934
25°	49352	60112	49938
30°	45830	56426	46146
35°	42168	51036	42643
40°	38973	44762	39338
45°	36004	38686	36120
50°	32929	32434	32894
55°	29093	26484	29208
60°	25700	21259	26083
65°	22622	15799	22778
70°	19026	9922	19523
75°	15081	4215	15504
80°	10071	979	10828
85°	4214	252	4906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.6	5.2
10°-20°	296.4	14.2
20°-30°	409.2	19.6
30°-40°	430.4	20.6
40°-50°	370.7	17.8
50°-60°	263.9	12.6
60°-70°	148.8	7.1
70°-80°	52.7	2.5
80°-90°	5.9	0.3
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°	814.2	39.0
0°-40°	1244.6	59.6
0°-60°	1879.3	90.1
0°-90°	2086.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2086.7	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1166	1166	1166	1166	1166	
5°	1146	1149	1154	1151	1148	108
15°	1009	1050	1105	1055	1016	283
25°	816	878	994	884	826	376
35°	630	681	763	688	637	395
45°	464	478	499	478	466	358
55°	304	294	277	294	306	274
65°	174	149	122	151	176	173
75°	71	48	20	49	73	77
85°	7	3	0	3	8	11
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°	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7
2.5°	1160.6	1161.1	1161.1	1161.5	1161.1	1161.1	1161.5	1161.5	1161.1	1161.5	1161.5
5°	1145.9	1145.5	1145.9	1146.3	1147.4	1147.4	1147.1	1147.1	1148.3	1147.8	1148.6
7.5°	1121.7	1121.7	1122.9	1123.7	1123.7	1124.2	1124.9	1126.5	1128.0	1128.4	1131.1
10°	1091.4	1091.8	1091.4	1093.0	1094.1	1096.1	1095.7	1098.5	1101.1	1105.0	1110.1
12.5°	1051.3	1052.5	1054.8	1054.8	1058.4	1060.3	1059.9	1066.1	1071.2	1075.8	1082.1
15°	1008.9	1008.6	1010.5	1013.5	1017.0	1019.8	1020.9	1029.2	1034.2	1042.0	1049.8
17.5°	963.4	962.2	965.3	967.2	973.1	976.6	978.9	985.9	994.1	1003.5	1014.0
20°	914.7	916.7	917.4	920.1	928.0	930.6	934.5	942.4	950.5	961.4	973.4
22.5°	864.8	867.6	869.2	872.7	878.9	881.2	885.1	896.5	905.3	915.1	926.4
25°	815.9	818.9	821.7	825.9	830.2	833.7	838.8	846.6	856.7	865.7	878.5
27.5°	767.9	770.7	771.4	776.5	781.6	786.2	789.0	798.3	806.9	817.8	830.2
30°	724.0	722.5	724.4	728.6	734.5	737.6	742.2	748.5	757.8	768.4	781.2
32.5°	675.7	675.7	678.8	683.9	688.5	690.8	692.4	701.0	710.3	720.5	730.9
35°	630.1	631.7	634.5	637.5	642.6	644.5	648.1	654.3	661.7	673.0	680.8
37.5°	586.1	587.3	590.1	593.2	597.0	600.9	602.5	609.2	614.6	623.9	631.3
40°	544.6	544.9	548.1	549.2	552.7	554.3	557.4	560.9	568.7	572.6	579.6
42.5°	502.5	504.5	505.7	508.3	508.7	511.9	513.4	514.5	520.8	523.1	527.0
45°	464.4	464.4	465.6	465.6	467.5	466.3	468.6	471.0	471.4	475.3	477.6
47.5°	424.6	423.5	425.1	424.6	424.2	424.2	425.1	425.5	426.6	429.3	430.5
50°	386.1	383.4	383.4	383.0	382.7	383.8	383.8	383.4	383.4	384.6	383.4
52.5°	346.8	346.1	344.0	342.6	341.7	341.7	341.7	340.2	340.2	339.4	336.6
55°	304.4	305.6	304.8	304.0	303.6	302.5	302.5	300.5	297.4	295.8	294.2
57.5°	267.8	269.4	269.4	267.8	265.9	265.0	263.1	262.0	259.2	256.5	253.4
60°	234.4	236.3	233.5	232.4	231.9	230.8	230.0	225.8	223.1	220.3	216.8
62.5°	202.4	203.2	201.3	200.1	198.9	197.8	197.4	193.9	189.2	185.6	181.4
65°	174.4	173.2	172.4	170.5	168.6	167.0	167.0	162.3	158.0	153.8	149.4
67.5°	145.2	146.0	144.8	143.2	140.1	138.6	136.2	133.2	129.2	124.9	119.9
70°	118.7	118.3	117.2	115.6	113.7	110.9	108.9	107.5	102.0	96.9	92.6
72.5°	94.6	94.2	93.1	91.1	88.3	87.1	85.7	81.8	77.4	73.2	68.5
75°	71.2	71.6	69.7	68.9	65.8	64.6	64.2	59.5	56.1	52.1	47.9
77.5°	51.0	51.0	49.1	47.5	45.9	45.2	43.6	40.8	38.2	34.3	30.8
80°	31.9	31.9	31.9	30.4	28.8	28.0	26.9	25.0	22.2	19.9	17.6
82.5°	17.1	17.1	16.4	16.0	15.2	14.4	14.0	13.2	11.3	10.2	8.6
85°	6.7	6.7	6.2	6.2	5.5	5.5	5.1	4.7	3.9	3.5	3.1
87.5°	0.7	0.7	0.7	0.7	0.4	0.4	0.4	0.4	0.4	0.4	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°	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7
2.5°	1161.9	1161.9	1161.5	1161.9	1161.9	1161.9	1161.9	1161.9	1161.9	1161.9	1162.2
5°	1149.4	1150.6	1150.9	1151.3	1152.2	1152.5	1152.9	1153.3	1153.7	1154.1	1154.1
7.5°	1133.5	1136.2	1138.1	1140.0	1140.9	1141.6	1142.8	1144.4	1145.5	1145.5	1145.1
10°	1114.4	1117.9	1121.7	1125.3	1126.5	1128.4	1130.3	1132.7	1134.6	1135.1	1135.1
12.5°	1089.5	1093.4	1100.4	1106.2	1108.5	1111.3	1115.2	1118.7	1120.6	1121.7	1121.4
15°	1058.4	1066.5	1076.2	1082.8	1086.0	1090.6	1096.9	1100.8	1103.9	1105.4	1104.7
17.5°	1024.4	1035.0	1045.5	1054.5	1058.7	1063.3	1071.9	1079.0	1083.7	1084.8	1084.0
20°	985.9	997.6	1008.9	1020.2	1026.0	1031.5	1040.4	1049.4	1057.2	1058.7	1057.5
22.5°	940.0	953.2	966.9	979.7	986.3	991.4	1004.2	1014.4	1023.3	1027.2	1024.4
25°	892.5	906.5	920.9	932.2	939.6	948.2	959.8	971.5	982.4	993.8	983.6
27.5°	841.9	854.8	869.9	885.6	892.5	898.8	910.8	925.6	936.9	948.2	936.9
30°	791.3	807.7	821.3	834.9	842.7	850.1	862.2	874.2	885.1	891.4	884.4
32.5°	743.8	755.9	769.5	782.8	788.1	794.1	804.1	815.4	825.9	827.9	823.3
35°	694.0	704.5	715.8	724.4	730.9	737.2	746.2	753.1	755.9	762.6	757.8
37.5°	637.5	647.0	657.0	663.2	669.1	674.1	680.8	687.0	689.4	694.4	690.8
40°	584.2	592.1	597.9	604.4	607.6	612.7	615.3	620.4	623.2	625.5	625.9
42.5°	532.8	537.2	541.4	546.1	547.2	548.4	555.0	558.5	561.3	562.9	560.5
45°	480.3	484.6	486.2	489.7	491.6	492.4	495.1	495.5	496.2	499.0	497.8
47.5°	432.5	432.8	433.9	435.5	436.4	436.4	437.9	436.4	437.1	437.5	438.3
50°	382.2	385.0	382.2	383.8	384.1	383.8	382.7	381.8	380.6	380.3	379.9
52.5°	334.7	335.2	333.6	332.4	331.3	331.7	328.5	326.9	327.3	325.0	327.8
55°	291.6	290.0	286.5	285.3	282.6	282.2	281.8	279.8	276.8	277.1	277.9
57.5°	249.9	247.2	243.7	241.7	240.9	237.9	237.4	234.4	232.4	231.9	231.9
60°	212.2	209.8	206.3	202.7	200.1	198.5	196.6	193.4	194.2	193.9	191.9
62.5°	176.3	173.6	168.6	164.7	163.1	161.9	159.2	156.8	155.7	156.8	155.7
65°	144.4	140.1	134.3	130.4	130.0	128.4	125.3	123.7	122.6	121.8	123.0
67.5°	114.9	108.9	105.4	100.5	98.0	97.3	93.1	90.6	91.1	90.6	91.1
70°	87.6	81.8	77.1	73.2	70.0	68.9	66.5	63.5	63.0	61.9	63.5
72.5°	63.5	58.4	54.2	49.8	47.1	45.6	42.4	39.3	38.5	37.8	37.8
75°	43.6	39.3	34.7	30.8	28.8	27.3	24.1	21.8	19.9	19.9	19.9
77.5°	27.3	23.7	20.2	17.6	16.4	14.8	12.1	9.7	9.0	7.8	8.1
80°	15.5	12.8	10.9	9.0	7.8	7.0	5.5	4.2	3.1	3.1	3.1
82.5°	7.4	6.2	4.7	3.9	3.5	2.7	1.9	1.6	1.2	0.7	0.7
85°	2.3	1.9	1.6	1.2	0.7	0.7	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°	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7
2.5°	1161.9	1162.2	1161.9	1162.2	1161.9	1162.7	1162.7	1162.2	1162.2	1162.2	1161.9
5°	1153.7	1153.7	1153.3	1153.3	1153.3	1152.9	1151.8	1151.8	1150.9	1150.6	1149.8
7.5°	1144.8	1143.9	1142.8	1142.5	1141.2	1140.0	1137.7	1135.8	1134.2	1132.3	1130.3
10°	1133.9	1131.9	1129.6	1128.0	1127.2	1124.5	1121.0	1116.3	1113.2	1109.7	1105.9
12.5°	1119.8	1117.5	1113.2	1110.1	1108.2	1103.1	1098.0	1092.2	1086.0	1079.7	1075.8
15°	1101.5	1097.6	1092.2	1089.0	1085.6	1078.6	1069.6	1061.4	1055.2	1048.2	1038.9
17.5°	1080.2	1074.2	1066.9	1061.9	1057.5	1048.2	1037.8	1027.2	1017.9	1009.3	1000.0
20°	1050.5	1043.6	1034.6	1028.0	1023.7	1011.6	1000.3	987.8	976.6	966.5	955.6
22.5°	1015.9	1004.2	995.2	987.5	982.9	969.2	956.7	943.5	931.5	922.5	910.8
25°	972.3	961.1	949.8	943.5	936.1	921.7	908.8	895.3	884.0	872.7	861.8
27.5°	926.0	912.7	900.3	892.9	886.3	872.2	859.4	847.0	834.2	821.7	811.9
30°	875.4	862.2	852.5	843.0	835.6	824.4	808.5	796.0	784.7	773.4	763.3
32.5°	818.9	808.0	796.4	791.7	786.2	772.6	760.2	748.1	736.9	725.5	715.1
35°	753.6	745.0	738.0	732.9	729.4	717.4	707.7	694.8	687.8	676.5	668.7
37.5°	686.6	682.3	677.6	671.4	666.4	659.3	653.5	643.0	634.8	626.6	618.1
40°	622.4	617.8	611.5	608.4	607.2	600.9	592.8	587.3	582.7	575.2	570.6
42.5°	559.7	557.4	551.1	549.7	548.1	542.6	538.7	534.0	530.9	525.4	523.1
45°	495.9	495.5	493.9	492.4	491.6	487.7	486.9	481.1	478.4	477.2	474.9
47.5°	439.4	438.3	436.0	438.3	434.8	434.4	434.4	433.2	432.0	429.0	428.6
50°	381.8	383.8	384.1	383.0	385.3	385.0	383.0	383.4	384.1	385.7	383.4
52.5°	328.9	330.5	333.2	332.0	334.0	335.9	335.2	338.2	337.1	338.7	341.7
55°	278.7	283.0	285.7	284.5	286.1	288.4	289.2	291.9	294.2	297.0	298.9
57.5°	235.5	236.7	240.5	241.7	242.1	244.1	247.9	252.2	255.0	256.9	258.8
60°	193.0	196.9	199.7	199.7	202.7	205.5	209.0	212.9	216.1	220.7	224.2
62.5°	157.3	158.0	161.9	162.3	164.7	169.3	172.1	177.9	181.8	186.9	191.5
65°	122.6	126.1	128.4	128.8	132.3	135.8	139.7	145.2	150.6	154.9	159.2
67.5°	91.9	93.8	96.9	99.6	100.5	105.4	111.4	116.3	121.1	124.9	130.4
70°	64.2	65.8	70.0	71.6	73.9	77.8	82.5	88.0	93.4	98.9	103.1
72.5°	39.3	42.8	45.6	47.9	49.8	54.5	59.5	64.2	68.9	73.6	79.0
75°	21.8	24.1	27.3	29.6	31.5	35.0	39.7	44.4	48.7	53.0	56.8
77.5°	9.7	12.1	14.8	16.4	17.9	21.0	24.5	28.5	31.9	35.0	38.5
80°	3.9	5.5	7.0	8.1	9.0	10.9	13.6	15.5	17.9	20.6	23.4
82.5°	1.6	1.9	2.7	3.5	3.9	5.1	6.2	7.4	9.3	10.5	12.1
85°	0.4	0.4	0.7	0.7	1.2	1.6	1.9	2.7	3.1	3.5	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
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: P844236

CATALOG NUMBER: LD6C25DE010B2750 EU6C25B40 6LBLDWWLI

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7	1165.7
2.5°	1161.9	1161.5	1161.5	1161.5	1161.5	1161.1	1161.1	1161.1
5°	1150.2	1149.4	1149.0	1149.0	1147.8	1148.3	1148.3	1147.8
7.5°	1129.6	1128.8	1127.6	1128.4	1128.0	1126.8	1126.5	1126.1
10°	1102.7	1101.1	1100.8	1098.8	1097.6	1097.3	1097.3	1095.7
12.5°	1070.7	1066.5	1066.1	1064.2	1061.4	1059.9	1060.7	1058.4
15°	1035.3	1029.2	1026.0	1024.4	1021.4	1018.6	1016.3	1015.5
17.5°	992.2	985.2	982.9	981.3	974.6	974.3	971.1	970.0
20°	947.0	940.8	937.3	934.9	929.9	925.2	924.8	924.5
22.5°	903.0	892.9	889.8	886.3	880.8	877.0	874.7	872.7
25°	853.2	845.0	839.5	836.1	832.1	829.1	825.9	825.6
27.5°	803.4	795.6	792.1	789.0	783.9	780.4	777.3	778.8
30°	754.7	746.9	743.1	740.8	735.7	733.7	728.3	729.0
32.5°	706.5	699.4	696.8	692.0	687.4	685.0	683.1	681.5
35°	660.2	654.3	650.4	647.3	643.0	639.1	637.2	637.2
37.5°	613.0	607.2	605.3	603.0	599.0	593.5	591.6	593.2
40°	565.2	560.9	559.0	557.4	553.5	551.6	549.7	549.7
42.5°	519.6	515.4	515.0	513.4	510.3	509.1	507.6	506.4
45°	472.1	470.2	468.6	468.6	468.2	467.9	466.7	465.9
47.5°	426.6	427.0	426.2	425.8	426.2	425.1	426.6	425.5
50°	385.0	384.1	385.0	384.1	384.6	386.1	384.6	385.7
52.5°	340.6	344.0	344.5	342.9	344.5	345.6	346.4	348.4
55°	301.3	302.5	303.2	304.8	305.6	307.9	305.6	305.6
57.5°	263.1	265.0	265.9	267.1	270.1	269.0	270.9	272.4
60°	228.4	230.8	232.4	233.5	234.7	237.4	238.2	237.9
62.5°	194.6	198.1	198.5	201.6	202.4	204.3	205.9	204.3
65°	163.1	166.2	168.6	170.5	172.8	174.7	174.4	175.6
67.5°	134.3	138.1	140.1	140.9	144.0	144.8	146.7	147.9
70°	108.2	110.9	113.3	114.4	116.3	118.7	120.7	121.8
72.5°	82.5	86.8	89.2	89.9	93.1	94.6	95.4	96.6
75°	61.1	64.6	65.8	67.7	69.3	72.8	72.4	73.2
77.5°	42.4	44.7	47.1	47.1	49.8	50.6	52.6	53.0
80°	25.3	28.0	29.2	29.6	31.5	32.7	33.5	34.3
82.5°	13.2	15.2	15.2	16.0	17.6	17.6	17.9	18.7
85°	5.1	5.8	6.2	6.2	6.7	7.4	7.4	7.8
87.5°	0.7	0.7	0.7	1.2	1.2	1.2	1.2	1.2
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)