

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: P857817

Luminaire Tested: **LX4C35D010 EX4C359827 4LBLWWH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2107-320-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/14/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX4C35D010 EX4C359827 4LBLWWH
Description:
Light Source: -
Ballast/Driver: -

Summary

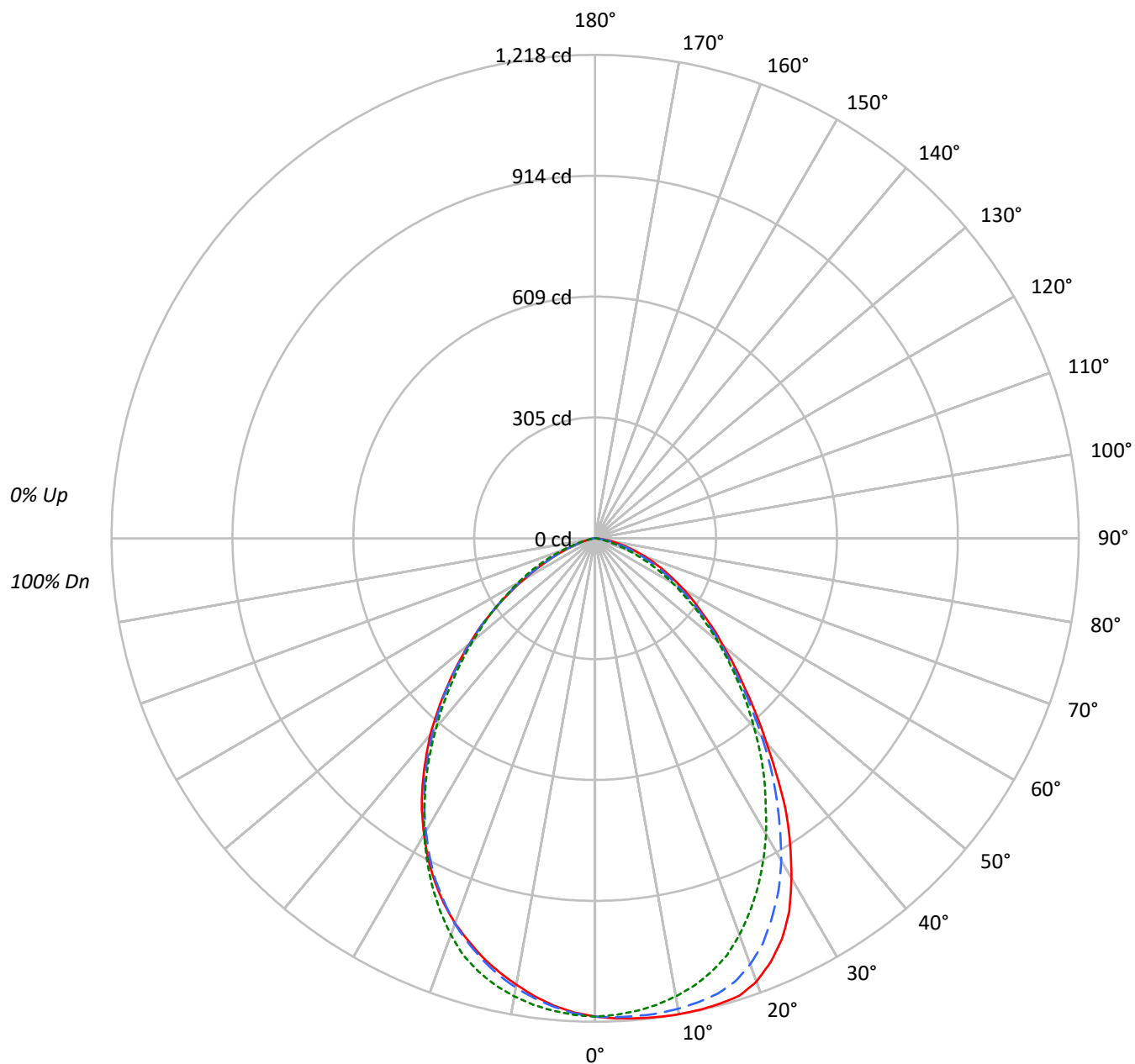
Lumens per Lamp: N/A
Luminaire Lumens: 2271.2 lumens
Efficiency: N/A
Efficacy: 56.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 40.4
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
RW	70	50	30	10	70	50	30	10	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	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	88		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	68		
4	88	78	70	64	86	77	69	64	74	68	63	72	67	62	70	65	62	60		
5	82	71	63	57	80	69	62	57	67	61	56	66	60	55	64	59	55	53		
6	76	64	56	51	74	63	56	50	62	55	50	60	54	50	59	53	49	47		
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	44	43		
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39		
9	62	50	43	38	61	50	42	37	49	42	37	47	41	37	47	41	37	35		
10	59	47	39	34	58	46	39	34	45	39	34	44	38	34	43	38	34	32		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	148063	148063	148063
5°	149714	147432	145817
10°	151906	146181	142475
15°	154405	143849	139079
20°	155382	138961	134961
25°	150926	131447	129440
30°	140270	122169	122240
35°	125560	111372	113727
40°	107483	99833	103489
45°	92534	88017	91336
50°	80445	76622	78935
55°	70789	65927	65327
60°	62999	55014	50689
65°	55232	44070	36657
70°	47450	31143	24821
75°	38496	18037	14525
80°	27592	7853	7216
85°	10431	3242	3242



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.6	5.0
10°-20°	321.5	14.2
20°-30°	459.1	20.2
30°-40°	480.3	21.1
40°-50°	402.4	17.7
50°-60°	281.6	12.4
60°-70°	153.4	6.8
70°-80°	53.2	2.3
80°-90°	6.1	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°	894.2	39.4
0°-40°	1374.5	60.5
0°-60°	2058.6	90.6
0°-90°	2271.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2271.2	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1205	1205	1205	1205	1205	
5°	1214	1208	1196	1185	1182	116
15°	1214	1188	1131	1098	1094	343
25°	1113	1054	970	951	955	508
35°	837	796	743	748	758	519
45°	533	520	507	523	526	414
55°	330	319	308	308	305	299
65°	190	173	152	127	126	189
75°	81	66	38	31	31	87
85°	7	4	2	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°	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2
2.5°	1210.7	1209.4	1209.8	1209.8	1209.8	1209.4	1209.8	1209.4	1209.4	1208.9	1208.0
5°	1214.0	1213.0	1213.0	1213.0	1212.6	1212.1	1212.1	1211.7	1210.7	1210.3	1208.4
7.5°	1216.3	1215.4	1215.4	1214.9	1214.5	1214.0	1213.6	1212.1	1210.7	1209.8	1207.5
10°	1217.7	1216.3	1216.3	1215.4	1214.5	1214.0	1213.0	1211.3	1209.4	1207.1	1203.8
12.5°	1216.8	1215.4	1214.9	1214.0	1212.1	1211.3	1210.3	1208.0	1204.7	1201.4	1197.3
15°	1214.0	1213.0	1212.1	1210.7	1208.4	1207.1	1206.1	1202.4	1198.2	1193.6	1188.5
17.5°	1208.4	1207.1	1205.2	1203.3	1200.1	1198.7	1196.4	1191.7	1185.7	1179.2	1171.4
20°	1188.5	1187.5	1185.7	1182.4	1177.4	1175.5	1172.3	1166.2	1158.4	1150.5	1142.1
22.5°	1155.6	1154.2	1151.4	1148.7	1144.0	1140.7	1138.0	1129.7	1120.8	1112.4	1104.6
25°	1113.4	1112.0	1108.3	1104.6	1100.0	1094.4	1091.6	1085.2	1076.3	1065.6	1054.0
27.5°	1059.2	1054.6	1053.1	1049.0	1042.0	1040.1	1036.0	1027.6	1019.4	1010.1	1000.3
30°	988.8	988.8	985.9	984.1	977.6	975.7	971.1	962.3	957.6	944.7	937.3
32.5°	914.1	913.1	910.8	909.5	905.7	902.5	897.9	893.3	883.0	876.6	866.3
35°	837.2	831.5	832.5	829.8	827.4	823.7	823.3	818.2	808.9	805.2	795.9
37.5°	749.5	747.2	750.5	746.3	744.0	744.4	740.8	737.5	733.8	727.3	725.4
40°	670.2	672.1	671.7	667.9	669.8	667.5	663.8	660.5	658.6	654.5	653.1
42.5°	599.3	596.6	595.7	595.7	596.1	596.1	594.3	591.9	591.9	587.7	583.6
45°	532.6	532.6	531.7	534.4	530.3	530.3	528.9	528.4	526.6	525.7	520.5
47.5°	475.1	474.7	474.2	473.7	473.2	473.2	470.5	468.2	467.7	465.0	462.1
50°	420.9	423.7	422.8	420.5	419.5	419.9	418.1	416.7	416.3	411.6	412.1
52.5°	375.4	375.0	376.0	374.5	372.2	372.7	370.8	369.0	367.1	364.8	362.9
55°	330.5	332.8	331.9	330.5	330.0	329.1	327.7	325.4	325.0	319.9	319.3
57.5°	292.9	292.5	291.6	289.3	288.7	287.4	287.4	285.5	282.8	280.0	277.7
60°	256.4	256.4	254.9	254.5	252.6	252.2	251.7	249.9	246.6	244.2	240.6
62.5°	221.1	222.0	221.1	219.7	218.3	216.5	215.5	214.2	211.3	209.0	205.8
65°	190.0	189.6	189.1	187.3	186.8	184.9	184.5	181.7	178.9	177.1	173.4
67.5°	160.4	159.0	159.0	158.1	157.1	155.8	154.8	152.0	148.8	147.0	143.2
70°	132.1	131.2	131.2	131.2	128.9	127.4	127.0	125.6	121.0	119.1	115.4
72.5°	106.1	105.7	105.2	103.8	102.5	102.5	100.6	97.8	95.5	93.2	90.4
75°	81.1	82.0	81.1	79.3	78.8	77.8	76.5	74.2	71.9	69.1	65.8
77.5°	59.3	58.4	57.5	57.5	56.5	54.7	54.2	52.3	49.6	47.7	44.5
80°	39.0	38.4	37.5	36.7	36.1	35.7	35.2	33.4	30.6	29.2	26.4
82.5°	21.3	20.9	20.9	20.4	19.0	19.0	18.5	16.7	15.3	14.4	13.0
85°	7.4	7.4	7.4	7.0	7.0	7.0	6.5	6.1	5.5	5.1	4.2
87.5°	0.9	0.4	0.9	0.4	0.9	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°	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2
2.5°	1207.1	1206.1	1205.6	1205.2	1204.7	1204.3	1203.8	1202.9	1202.4	1202.0	1201.0
5°	1207.1	1205.2	1204.3	1202.9	1202.0	1201.0	1199.7	1198.2	1196.8	1195.5	1194.0
7.5°	1205.2	1202.4	1200.6	1197.8	1196.8	1195.5	1192.7	1190.8	1188.5	1185.7	1182.4
10°	1200.6	1197.3	1193.6	1189.9	1188.5	1186.2	1182.4	1179.2	1175.5	1171.8	1168.5
12.5°	1193.2	1188.1	1183.4	1178.3	1175.5	1173.2	1168.1	1163.5	1158.8	1154.6	1149.1
15°	1182.0	1176.0	1170.0	1163.0	1159.8	1156.9	1149.5	1144.0	1136.6	1131.0	1125.5
17.5°	1163.9	1154.6	1147.2	1138.4	1133.8	1130.6	1124.0	1115.3	1108.3	1102.3	1095.8
20°	1132.9	1124.0	1113.9	1104.2	1099.1	1094.9	1085.6	1076.3	1069.4	1062.9	1055.9
22.5°	1092.1	1081.0	1073.6	1061.5	1057.3	1052.3	1041.1	1032.7	1024.9	1018.4	1011.9
25°	1042.4	1032.7	1022.6	1011.4	1006.3	1000.3	991.0	982.3	977.2	969.7	961.8
27.5°	985.5	977.6	965.0	955.3	950.2	945.6	936.8	928.9	921.5	916.4	909.0
30°	925.2	915.9	904.9	894.6	891.8	886.3	878.4	872.4	864.5	861.2	858.0
32.5°	858.9	848.2	839.9	833.4	827.9	823.3	819.1	809.3	807.9	799.6	798.6
35°	786.6	782.0	774.1	768.5	763.9	760.7	753.7	749.1	744.0	742.6	739.3
37.5°	718.5	712.9	705.5	700.4	697.2	696.7	691.6	688.8	685.1	683.3	679.5
40°	647.1	644.8	638.3	637.3	632.2	631.8	629.0	625.7	622.5	622.5	623.0
42.5°	581.2	578.5	575.7	572.5	569.6	569.6	568.3	567.3	566.4	565.0	567.3
45°	519.6	515.9	514.1	510.8	512.2	509.5	508.5	508.5	507.1	506.6	509.9
47.5°	462.1	458.0	456.1	455.2	455.2	455.7	451.5	452.9	452.4	453.4	454.7
50°	409.8	406.1	403.2	403.2	403.8	401.9	400.0	401.5	400.0	400.9	404.2
52.5°	361.1	357.4	356.0	356.0	353.2	352.8	353.7	351.8	352.3	352.8	354.6
55°	316.1	313.8	311.5	309.2	309.6	308.7	306.8	306.4	307.3	307.8	310.1
57.5°	275.8	272.5	269.3	268.4	267.4	267.4	265.1	264.7	265.6	263.3	263.3
60°	237.3	235.5	231.3	229.9	229.9	227.6	225.7	226.7	224.4	223.9	224.4
62.5°	201.6	200.3	197.4	194.7	193.8	192.8	190.5	189.6	188.7	186.8	184.1
65°	170.6	167.4	164.1	162.2	160.9	158.6	157.1	155.3	152.5	151.6	148.8
67.5°	139.6	136.3	133.0	131.6	130.3	128.9	126.5	124.2	121.0	117.3	114.1
70°	112.2	108.0	106.1	102.5	101.5	99.7	96.4	94.1	90.9	86.7	83.5
72.5°	85.8	82.9	80.2	77.0	74.6	73.2	70.4	66.8	63.0	60.7	57.5
75°	61.6	60.3	56.5	52.9	51.9	50.0	46.8	44.5	41.7	38.0	35.2
77.5°	41.7	39.0	36.7	33.4	32.5	30.6	28.7	26.4	24.5	22.3	20.4
80°	24.5	22.3	20.9	18.5	17.7	16.7	15.3	13.5	12.0	11.1	10.7
82.5°	12.0	10.2	9.7	8.4	7.8	7.4	6.5	6.1	5.1	5.1	5.1
85°	4.2	3.2	3.2	2.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.9	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°	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2
2.5°	1200.6	1200.1	1199.7	1199.1	1199.1	1198.7	1198.7	1198.2	1198.2	1197.8	1197.8
5°	1192.2	1190.8	1189.9	1189.0	1189.0	1187.5	1186.6	1185.7	1185.2	1185.2	1184.3
7.5°	1180.7	1178.8	1176.9	1175.5	1175.0	1172.7	1170.9	1170.9	1169.1	1168.1	1167.2
10°	1165.3	1162.1	1159.3	1157.9	1156.1	1154.6	1152.3	1151.0	1149.5	1147.2	1146.8
12.5°	1144.5	1142.1	1138.0	1136.1	1135.2	1132.4	1128.7	1126.9	1126.4	1124.6	1123.1
15°	1120.8	1115.7	1112.0	1109.7	1109.7	1105.0	1103.2	1100.4	1098.5	1097.2	1096.8
17.5°	1090.2	1085.2	1081.4	1078.2	1077.2	1073.6	1070.8	1069.8	1067.5	1068.5	1066.2
20°	1050.8	1046.6	1043.9	1039.7	1039.7	1037.4	1036.5	1034.2	1033.3	1032.3	1033.3
22.5°	1008.6	1003.6	998.9	998.5	998.5	995.2	994.7	994.3	992.4	993.8	993.3
25°	959.1	955.3	952.6	952.1	952.1	950.2	948.4	949.3	950.7	950.2	951.7
27.5°	907.6	903.9	903.0	902.5	901.6	901.1	902.0	902.0	903.4	905.3	907.2
30°	852.0	851.1	849.7	849.2	848.2	850.5	851.5	852.9	852.4	855.2	857.1
32.5°	796.3	794.5	794.0	795.0	796.3	795.9	798.6	799.6	800.5	803.7	805.2
35°	740.2	739.8	738.9	738.9	739.3	743.1	743.1	746.3	748.2	749.1	752.8
37.5°	680.0	681.8	682.8	684.1	684.7	686.0	687.0	690.2	692.1	694.0	695.7
40°	624.8	624.0	628.1	625.3	626.3	630.4	632.2	631.8	634.6	637.3	639.2
42.5°	566.0	567.3	568.3	569.2	571.5	572.0	574.3	577.6	578.5	581.8	582.7
45°	508.9	509.5	511.2	513.1	514.5	518.2	519.2	520.5	523.4	523.4	524.7
47.5°	455.2	457.0	457.0	459.8	462.1	461.7	465.0	465.8	465.4	467.7	468.6
50°	403.8	406.5	406.1	407.9	408.9	409.3	412.1	413.0	411.2	413.5	413.9
52.5°	354.6	356.0	357.9	358.3	357.4	359.7	358.7	360.6	360.2	362.0	360.2
55°	309.6	309.2	309.2	310.1	309.2	310.1	311.0	309.2	307.8	309.6	309.2
57.5°	264.7	264.7	263.8	265.1	263.8	262.4	261.9	260.5	259.1	259.1	258.7
60°	222.5	221.6	219.7	219.3	219.3	217.0	216.0	214.2	214.2	212.3	210.5
62.5°	183.1	180.8	179.4	179.4	178.4	176.1	171.9	169.2	168.3	165.5	165.1
65°	146.0	143.7	142.3	139.6	137.2	136.3	132.1	128.9	127.4	124.7	125.1
67.5°	112.2	108.4	104.3	102.5	101.0	97.8	96.4	94.1	92.7	92.7	92.7
70°	80.6	77.4	73.2	71.9	70.9	68.1	66.8	66.3	67.7	67.2	67.7
72.5°	54.2	51.0	49.1	48.2	47.3	45.9	46.8	47.3	46.4	46.8	47.3
75°	32.9	32.0	30.6	30.1	30.1	30.6	30.1	30.1	30.6	30.6	31.0
77.5°	19.0	18.1	18.1	17.7	18.5	18.1	18.1	18.1	18.5	18.5	18.5
80°	10.2	10.2	10.2	10.2	10.7	10.2	10.7	10.7	10.7	10.7	10.7
82.5°	5.1	5.1	5.1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.1
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
87.5°	0.4	0.9	0.9	0.9	0.9	0.9	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: P857817

CATALOG NUMBER: LX4C35D010 EX4C359827 4LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2	1205.2
2.5°	1196.8	1196.8	1196.8	1195.9	1196.4	1196.4	1195.9	1195.9
5°	1183.9	1183.4	1182.4	1182.4	1181.6	1182.4	1182.0	1182.4
7.5°	1166.2	1166.2	1164.9	1164.9	1164.4	1163.9	1163.5	1163.9
10°	1145.4	1145.4	1144.5	1144.0	1144.5	1142.6	1142.6	1142.1
12.5°	1122.3	1121.3	1120.4	1120.8	1120.4	1119.0	1118.5	1119.0
15°	1095.3	1093.9	1094.4	1093.0	1093.0	1092.6	1093.5	1093.5
17.5°	1065.6	1064.7	1063.8	1064.3	1063.3	1063.8	1063.3	1062.9
20°	1032.7	1032.3	1032.3	1030.4	1030.9	1030.4	1030.9	1032.3
22.5°	994.7	994.3	994.7	993.3	994.3	994.3	995.6	995.6
25°	953.0	952.6	953.5	954.0	954.4	955.8	954.4	954.9
27.5°	906.6	908.1	909.5	909.9	911.8	910.4	909.5	910.8
30°	859.8	859.8	859.4	861.2	862.7	864.0	861.7	861.7
32.5°	806.0	808.4	808.4	808.9	810.2	810.2	810.2	812.1
35°	754.6	756.0	756.5	754.6	755.6	755.1	758.3	758.3
37.5°	697.2	697.2	697.6	700.8	700.8	699.5	700.4	700.4
40°	642.5	642.9	641.1	642.0	644.3	643.4	644.3	645.3
42.5°	582.7	585.9	584.1	585.0	584.5	585.0	585.4	585.4
45°	525.7	526.6	526.6	527.0	528.0	528.9	526.1	525.7
47.5°	470.0	470.5	471.9	469.6	472.4	469.6	472.4	469.1
50°	413.9	415.8	414.4	415.3	413.9	413.9	413.5	413.0
52.5°	360.6	360.2	360.2	359.7	359.7	360.6	359.7	361.1
55°	307.3	307.8	306.8	306.4	306.0	307.3	306.0	305.0
57.5°	256.8	257.7	255.8	256.8	253.5	254.9	255.4	255.8
60°	210.0	208.6	208.6	206.7	206.7	208.1	206.3	206.3
62.5°	162.7	163.6	162.2	164.1	164.1	166.0	165.1	166.0
65°	124.7	125.1	125.6	125.6	125.6	128.4	127.4	126.1
67.5°	94.1	94.5	95.1	94.5	96.0	95.1	95.1	95.5
70°	68.1	68.6	69.1	69.1	68.6	69.1	69.1	69.1
72.5°	47.3	47.7	47.3	47.7	48.2	47.7	47.7	48.2
75°	31.0	31.0	30.6	30.6	30.6	30.6	31.0	30.6
77.5°	18.1	18.5	18.1	18.5	18.5	18.5	18.5	18.5
80°	10.7	10.7	10.7	10.2	10.7	10.7	10.7	10.2
82.5°	5.5	5.5	5.1	5.1	5.5	5.5	5.5	5.5
85°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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)