

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: P857474

Luminaire Tested: **LX4C25D010 EX4C259835 4LBSWNH**

Issue Date: 2/18/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P857474  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P251634)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/18/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: PORTFOLIO  
Catalog Number: LX4C25D010 EX4C259835 4LBSWNH  
Description:  
Light Source: -  
Ballast/Driver: -

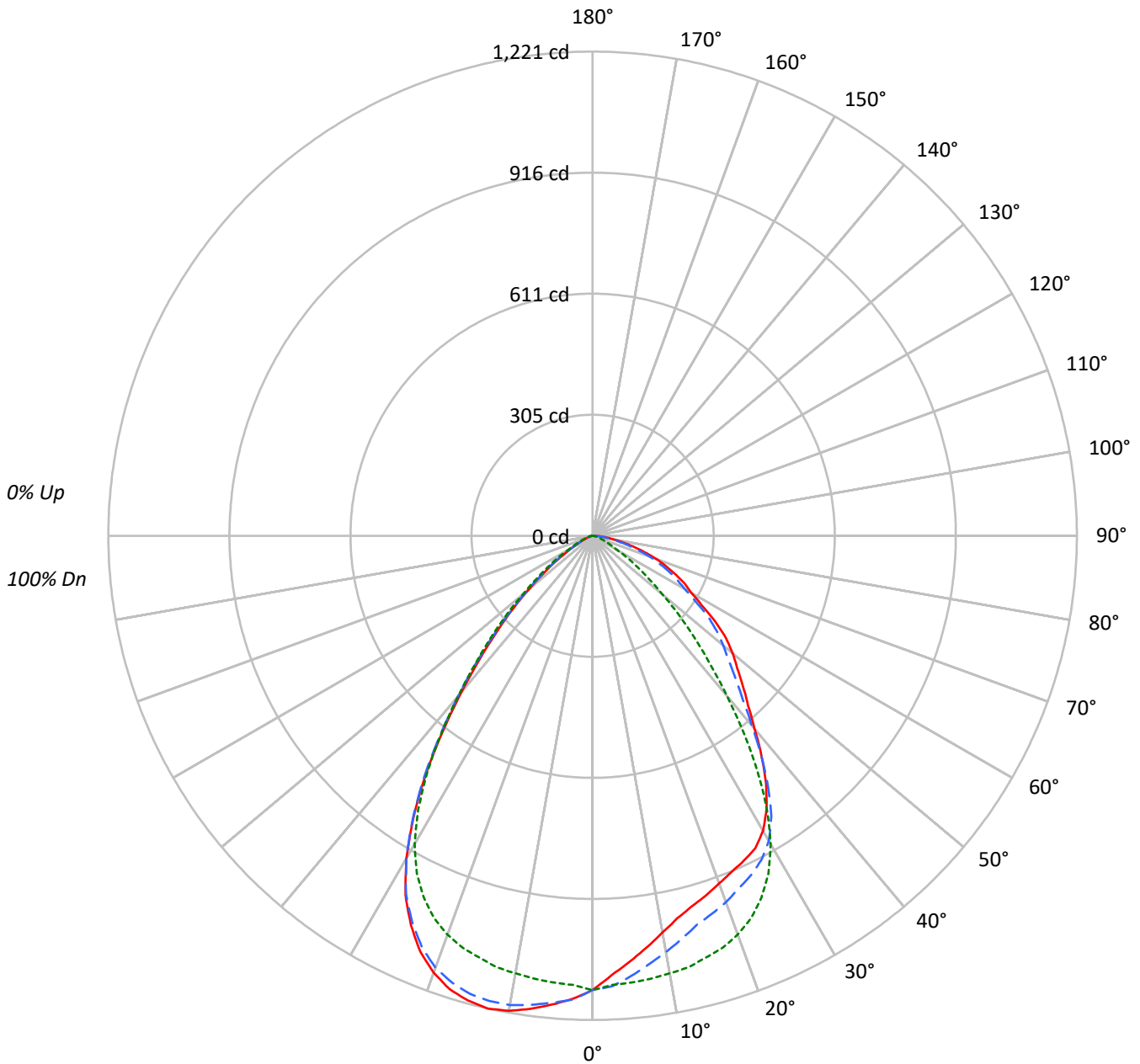
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2008.2 lumens  
Efficiency: N/A  
Efficacy: 63.8 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.15  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.5  
Input Voltage (V):  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P857474

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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	108	104	101	109	106	103	100	101	99	97	98	96	94	94	93	91	89								
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79								
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70								
4	90	80	72	67	88	78	72	66	76	70	66	74	69	65	72	68	64	62								
5	83	73	65	60	82	72	65	59	70	63	59	68	62	58	66	61	58	56								
6	78	67	59	53	76	66	59	53	64	58	53	62	57	52	61	56	52	50								
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	56	51	47	46								
8	68	57	49	44	67	56	49	44	55	48	44	54	48	43	52	47	43	42								
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38								
10	61	49	42	37	59	48	42	37	47	41	37	47	41	37	46	40	37	35								

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	140741	140741	140741
5°	132905	139466	146384
10°	126707	139793	151757
15°	122990	140084	154354
20°	121978	139942	153251
25°	122473	136489	146886
30°	121885	127333	133191
35°	114252	108718	109828
40°	101805	84292	82400
45°	93108	62842	59002
50°	88033	44016	39773
55°	80963	29729	24974
60°	70739	17396	13784
65°	66947	11134	7733
70°	60992	7974	4777
75°	50457	5601	3513
80°	39690	3184	2052
85°	35381	2114	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	108.2	5.4
10°-20°	310.5	15.5
20°-30°	460.3	22.9
30°-40°	461.0	23.0
40°-50°	322.2	16.0
50°-60°	191.7	9.5
60°-70°	100.0	5.0
70°-80°	44.5	2.2
80°-90°	9.7	0.5
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°	879.1	43.8
0°-40°	1340.1	66.7
0°-60°	1854.0	92.3
0°-90°	2008.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2008.2	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	1146	1146	1146	1146	1146	
5°	1078	1115	1131	1182	1187	101
15°	967	1016	1101	1196	1214	274
25°	904	945	1007	1076	1084	416
35°	762	771	725	738	732	472
45°	536	509	362	350	340	416
55°	378	354	139	121	117	335
65°	230	211	38	28	27	228
75°	106	93	12	7	7	115
85°	25	19	2	2	0	28
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°	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6
2.5°	1108.7	1122.1	1108.7	1113.2	1130.9	1114.6	1123.5	1123.5	1119.0	1129.4	1136.8
5°	1077.7	1091.0	1077.7	1083.6	1102.8	1086.6	1096.9	1094.0	1095.5	1104.3	1114.6
7.5°	1046.7	1057.1	1045.2	1052.6	1070.4	1057.1	1065.9	1065.9	1067.4	1080.7	1089.5
10°	1015.7	1024.6	1015.7	1021.7	1040.8	1029.1	1035.0	1036.4	1040.8	1052.6	1065.9
12.5°	987.7	995.1	986.2	995.1	1011.2	999.5	1006.9	1008.3	1012.8	1026.1	1040.8
15°	967.0	974.4	965.6	972.9	987.7	978.8	984.7	987.7	990.6	1002.4	1015.7
17.5°	950.8	956.7	949.3	958.2	969.9	959.6	968.5	968.5	972.9	984.7	999.5
20°	933.0	938.9	933.0	940.4	953.7	944.9	952.2	952.2	956.7	969.9	983.2
22.5°	916.8	919.7	916.8	922.7	936.0	928.7	933.0	934.5	938.9	950.8	962.6
25°	903.5	909.4	906.5	912.3	921.3	913.9	918.2	919.7	924.2	934.5	944.9
27.5°	888.7	891.7	888.7	896.2	903.5	897.6	902.1	900.6	903.5	912.3	921.3
30°	859.2	862.2	862.2	866.6	872.6	869.6	874.0	869.6	872.6	879.9	888.7
32.5°	816.4	817.9	819.3	823.8	828.2	823.8	826.7	826.7	826.7	832.7	838.6
35°	761.8	764.8	763.2	766.3	770.6	769.2	769.2	767.7	764.8	767.7	770.6
37.5°	699.8	695.4	695.4	699.8	702.8	696.8	699.8	696.8	696.8	698.3	698.3
40°	634.8	630.4	634.8	636.3	637.8	634.8	633.4	630.4	625.9	627.4	624.5
42.5°	580.3	577.2	578.7	578.7	580.3	577.2	578.7	572.9	568.4	565.5	561.0
45°	535.9	531.5	535.9	533.0	533.0	531.5	530.0	527.0	521.1	516.8	509.4
47.5°	494.6	494.6	496.0	496.0	496.0	493.0	493.0	487.2	481.3	475.4	465.0
50°	460.6	457.6	463.5	463.5	459.2	457.6	459.2	451.8	447.4	440.0	429.6
52.5°	423.7	423.7	425.2	425.2	423.7	420.7	422.2	416.4	411.9	404.5	394.1
55°	378.0	375.0	379.4	379.4	378.0	376.5	378.0	373.6	369.1	363.2	354.3
57.5°	326.3	324.8	327.7	329.2	326.3	326.3	327.7	323.3	321.8	315.9	307.1
60°	287.9	286.4	289.4	290.9	287.9	287.9	287.9	282.0	279.0	273.1	267.2
62.5°	261.3	259.9	262.8	261.3	259.9	258.3	259.9	254.0	251.0	245.1	239.2
65°	230.3	231.8	233.3	233.3	231.8	230.3	230.3	227.4	224.5	218.6	211.2
67.5°	200.7	200.7	202.2	203.7	202.2	202.2	202.2	197.8	194.8	190.5	181.6
70°	169.8	168.3	172.7	172.7	169.8	171.2	169.8	168.3	165.3	159.4	152.1
72.5°	137.2	137.2	138.8	138.8	137.2	137.2	137.2	135.8	131.4	128.4	121.1
75°	106.3	106.3	107.7	109.2	106.3	106.3	107.7	104.8	101.8	97.5	93.0
77.5°	79.7	78.2	79.7	79.7	78.2	78.2	78.2	76.8	75.3	70.8	66.4
80°	56.1	54.7	56.1	56.1	56.1	54.7	54.7	53.1	53.1	50.2	45.7
82.5°	38.3	36.9	38.3	38.3	38.3	36.9	36.9	36.9	35.4	34.0	31.0
85°	25.1	23.6	23.6	25.1	23.6	23.6	23.6	23.6	22.2	20.7	19.2
87.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	10.3	10.3	10.3	8.8
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°	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6
2.5°	1130.9	1128.0	1136.8	1133.8	1135.3	1128.0	1139.7	1133.8	1141.2	1133.8	1148.6
5°	1111.6	1108.7	1122.1	1120.6	1122.1	1116.1	1129.4	1128.0	1136.8	1130.9	1147.1
7.5°	1091.0	1088.1	1102.8	1104.3	1107.3	1101.4	1119.0	1119.0	1128.0	1126.4	1144.1
10°	1067.4	1068.8	1083.6	1086.6	1092.6	1089.5	1105.8	1110.2	1122.1	1120.6	1142.7
12.5°	1045.2	1045.2	1064.5	1070.4	1074.7	1073.3	1092.6	1098.4	1111.6	1114.6	1135.3
15°	1023.1	1024.6	1042.3	1051.2	1057.1	1055.6	1076.2	1083.6	1099.9	1101.4	1126.4
17.5°	1005.3	1003.9	1023.1	1030.5	1039.3	1037.9	1060.0	1068.8	1085.1	1089.5	1113.2
20°	990.6	989.1	1006.9	1015.7	1021.7	1020.2	1042.3	1052.6	1067.4	1070.4	1094.0
22.5°	972.9	969.9	987.7	995.1	1001.0	999.5	1018.6	1026.1	1040.8	1043.8	1065.9
25°	952.2	949.3	965.6	969.9	974.4	971.5	987.7	992.2	1003.9	1006.9	1029.1
27.5°	928.7	921.3	934.5	934.5	937.5	933.0	944.9	949.3	959.6	959.6	980.3
30°	891.7	881.4	888.7	887.3	888.7	882.8	890.2	891.7	899.1	897.6	912.3
32.5°	840.0	825.3	829.8	825.3	820.8	812.0	820.8	817.9	823.8	817.9	831.2
35°	769.2	754.4	752.9	747.0	742.6	735.2	735.2	727.8	729.4	724.9	733.7
37.5°	692.3	673.3	670.3	658.5	651.1	642.2	642.2	636.3	628.9	625.9	633.4
40°	617.1	596.4	589.1	569.9	562.4	553.6	547.7	540.4	537.4	525.6	531.5
42.5°	552.2	530.0	513.8	493.0	485.7	472.4	463.5	454.7	450.3	437.0	442.9
45°	497.5	470.9	453.3	426.6	416.4	401.6	388.3	378.0	367.6	361.7	358.7
47.5°	451.8	423.7	400.0	370.5	354.3	341.0	323.3	313.0	299.7	292.3	287.9
50°	413.4	382.4	355.8	321.8	305.6	290.9	270.1	254.0	242.1	230.3	227.4
52.5°	379.4	347.0	317.5	279.0	259.9	242.1	220.0	202.2	191.9	178.6	177.2
55°	339.6	311.5	279.0	239.2	220.0	202.2	178.6	161.0	147.7	138.8	135.8
57.5°	296.8	270.1	239.2	199.3	180.1	161.0	138.8	122.5	110.8	103.4	101.8
60°	256.9	231.8	202.2	162.4	143.2	127.0	103.4	87.1	76.8	70.8	67.9
62.5°	227.4	203.7	175.7	138.8	121.1	104.8	82.7	67.9	59.0	53.1	50.2
65°	199.3	175.7	150.6	116.6	101.8	87.1	66.4	53.1	44.2	38.3	35.4
67.5°	169.8	149.1	125.5	97.5	82.7	70.8	53.1	41.3	34.0	29.5	26.6
70°	140.2	121.1	101.8	78.2	67.9	56.1	41.3	32.5	25.1	22.2	19.2
72.5°	110.8	96.0	79.7	60.5	51.7	44.2	32.5	23.6	19.2	16.2	13.3
75°	82.7	72.3	59.0	45.7	38.3	32.5	23.6	17.7	14.7	11.8	10.3
77.5°	59.0	50.2	41.3	31.0	28.1	23.6	16.2	13.3	10.3	7.4	5.9
80°	39.9	35.4	28.1	22.2	17.7	16.2	11.8	8.8	5.9	4.5	4.5
82.5°	26.6	22.2	17.7	13.3	11.8	10.3	7.4	5.9	4.5	2.9	2.9
85°	16.2	13.3	10.3	7.4	7.4	5.9	4.5	2.9	1.5	1.5	1.5
87.5°	7.4	5.9	4.5	2.9	2.9	1.5	1.5	1.5	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°	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6
2.5°	1160.4	1151.6	1145.6	1153.0	1156.0	1151.6	1156.0	1163.4	1170.8	1172.2	1151.6
5°	1161.9	1153.0	1150.1	1158.9	1160.4	1158.9	1163.4	1173.7	1182.5	1185.5	1164.9
7.5°	1161.9	1156.0	1154.5	1164.9	1166.3	1164.9	1172.2	1184.1	1192.9	1198.8	1178.1
10°	1158.9	1156.0	1157.5	1166.3	1169.3	1169.3	1179.6	1192.9	1201.7	1207.6	1187.0
12.5°	1154.5	1154.5	1154.5	1164.9	1167.8	1169.3	1178.1	1195.8	1201.7	1210.5	1189.9
15°	1147.1	1147.1	1147.1	1157.5	1161.9	1161.9	1172.2	1188.5	1195.8	1204.7	1184.1
17.5°	1133.8	1133.8	1135.3	1144.1	1148.6	1148.6	1158.9	1176.7	1181.1	1191.5	1170.8
20°	1114.6	1114.6	1116.1	1125.0	1129.4	1126.4	1139.7	1154.5	1158.9	1167.8	1147.1
22.5°	1086.6	1086.6	1086.6	1095.5	1098.4	1096.9	1110.2	1123.5	1123.5	1135.3	1113.2
25°	1045.2	1048.2	1045.2	1054.1	1057.1	1055.6	1067.4	1079.2	1076.2	1089.5	1067.4
27.5°	995.1	993.6	993.6	1001.0	1001.0	999.5	1008.3	1021.7	1018.6	1027.6	1006.9
30°	925.7	930.1	922.7	933.0	928.7	925.7	931.6	943.4	938.9	946.3	930.1
32.5°	845.9	840.0	840.0	840.0	843.0	835.7	841.5	847.4	843.0	850.4	832.7
35°	741.1	742.6	738.2	739.7	741.1	732.3	738.2	744.1	738.2	742.6	726.3
37.5°	636.3	637.8	627.4	633.4	627.4	624.5	630.4	633.4	627.4	631.9	614.1
40°	531.5	528.5	527.0	527.0	528.5	521.1	525.6	530.0	525.6	528.5	512.3
42.5°	440.0	438.5	435.5	437.0	432.6	431.1	432.6	437.0	432.6	435.5	423.7
45°	360.2	357.2	352.9	354.3	354.3	347.0	351.3	354.3	349.9	351.3	341.0
47.5°	286.4	282.0	282.0	280.5	280.5	277.6	282.0	280.5	276.1	279.0	268.7
50°	222.9	220.0	220.0	220.0	220.0	215.5	217.0	220.0	215.5	215.5	209.6
52.5°	174.2	169.8	166.8	166.8	166.8	165.3	165.3	166.8	162.4	162.4	161.0
55°	131.4	129.9	125.5	125.5	125.5	121.1	122.5	122.5	121.1	121.1	116.6
57.5°	97.5	93.0	90.1	90.1	87.1	87.1	85.6	87.1	84.2	84.2	81.2
60°	64.9	62.0	60.5	59.0	59.0	57.6	59.0	57.6	57.6	56.1	54.7
62.5°	47.3	44.2	41.3	41.3	41.3	39.9	39.9	39.9	39.9	39.9	38.3
65°	34.0	31.0	31.0	29.5	29.5	28.1	28.1	28.1	28.1	28.1	26.6
67.5°	23.6	22.2	20.7	20.7	20.7	20.7	20.7	20.7	19.2	19.2	19.2
70°	17.7	16.2	14.7	14.7	14.7	14.7	14.7	13.3	14.7	14.7	13.3
72.5°	11.8	11.8	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
75°	8.8	8.8	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	5.9	5.9	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	4.5	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0
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





TEST NUMBER: P857474

CATALOG NUMBER: LX4C25D010 EX4C259835 4LBSWNH

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6	1145.6
2.5°	1173.7	1172.2	1169.3	1173.7	1161.9	1157.5	1156.0	1169.3
5°	1189.9	1187.0	1187.0	1191.5	1178.1	1175.1	1172.2	1187.0
7.5°	1204.7	1201.7	1201.7	1206.2	1194.4	1191.5	1188.5	1203.2
10°	1213.6	1213.6	1213.6	1216.5	1206.2	1203.2	1201.7	1216.5
12.5°	1218.0	1218.0	1216.5	1222.4	1209.1	1209.1	1206.2	1221.0
15°	1212.1	1212.1	1212.1	1216.5	1204.7	1201.7	1201.7	1213.6
17.5°	1197.3	1197.3	1195.8	1200.3	1187.0	1187.0	1185.5	1198.8
20°	1175.1	1175.1	1172.2	1178.1	1164.9	1160.4	1158.9	1172.2
22.5°	1139.7	1138.2	1136.8	1139.7	1128.0	1125.0	1123.5	1135.3
25°	1094.0	1092.6	1089.5	1092.6	1079.2	1074.7	1074.7	1083.6
27.5°	1029.1	1029.1	1024.6	1029.1	1014.2	1012.8	1011.2	1021.7
30°	949.3	943.4	940.4	946.3	931.6	931.6	928.7	938.9
32.5°	850.4	844.5	843.0	845.9	832.7	828.2	834.1	840.0
35°	736.8	738.2	732.3	732.3	720.4	721.9	723.4	732.3
37.5°	627.4	624.5	623.0	624.5	615.7	612.7	609.8	618.6
40°	525.6	518.2	516.8	516.8	509.4	507.9	509.4	513.8
42.5°	429.6	428.1	422.2	425.2	417.8	420.7	419.3	419.3
45°	347.0	348.4	342.5	347.0	341.0	336.6	336.6	339.6
47.5°	274.6	274.6	273.1	273.1	268.7	270.1	267.2	271.6
50°	212.6	212.6	209.6	211.2	208.1	208.1	206.7	208.1
52.5°	162.4	161.0	161.0	159.4	156.5	158.0	159.4	156.5
55°	118.2	119.6	116.6	118.2	115.1	116.6	115.1	116.6
57.5°	81.2	82.7	79.7	82.7	79.7	81.2	79.7	79.7
60°	56.1	56.1	54.7	56.1	54.7	54.7	53.1	56.1
62.5°	38.3	38.3	38.3	38.3	38.3	36.9	38.3	38.3
65°	28.1	26.6	26.6	26.6	26.6	26.6	26.6	26.6
67.5°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
70°	13.3	13.3	13.3	13.3	13.3	13.3	13.3	13.3
72.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
75°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
77.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
80°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	0.0	1.5	0.0	0.0	0.0
87.5°	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



Report Generated By 670246072 / DESKTOP-50001EG





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















(END OF REPORT)