

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: P857830

Luminaire Tested: **LX4C35D010 EX4C359830 4LBLWWH**

Issue Date: 2/14/2022



Test Information

Test Method: LM-79-08
Report Number: P857830
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 EX4C359830 4LBLWWH
Description:
Light Source: -
Ballast/Driver: -

Summary

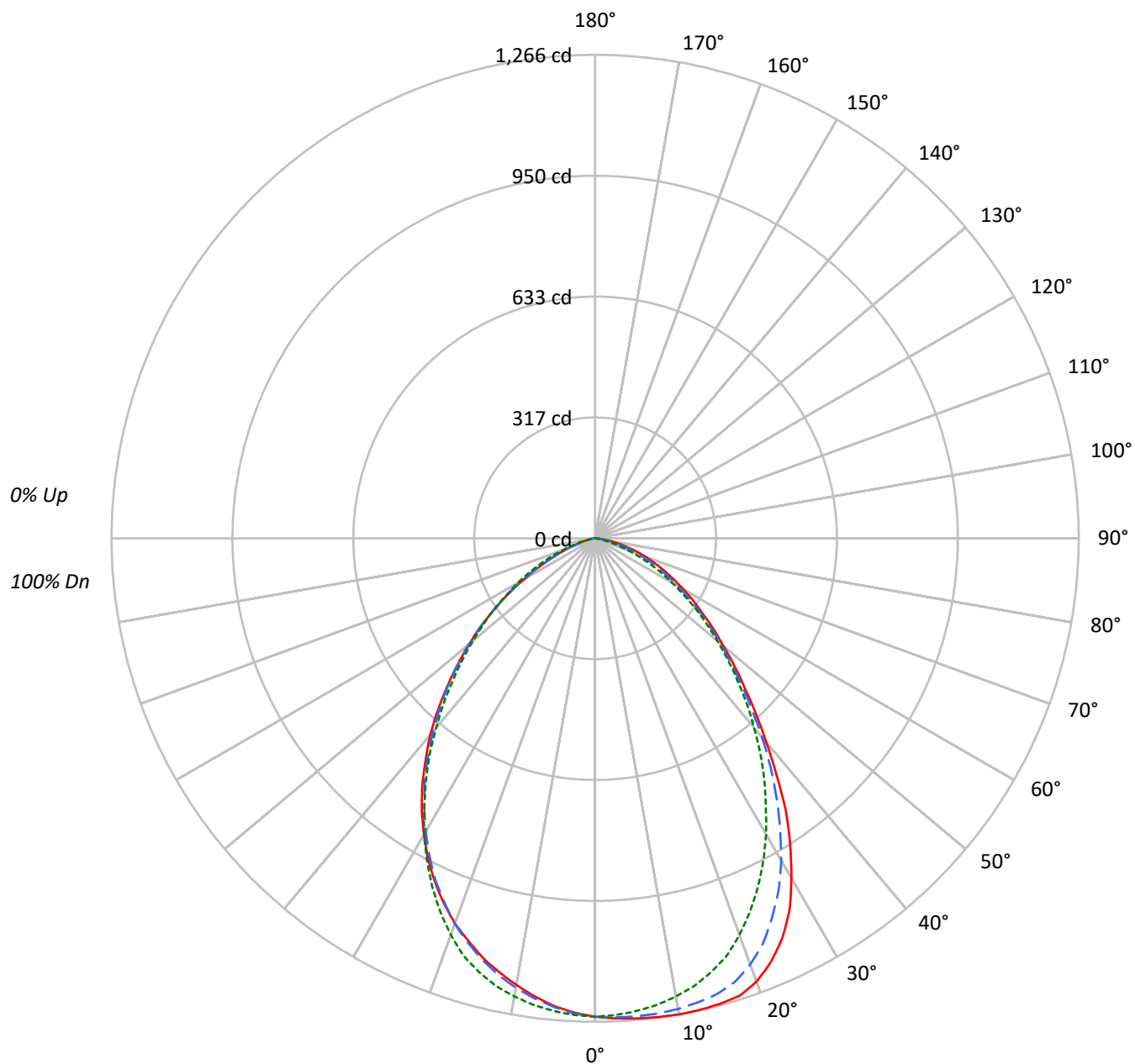
Lumens per Lamp: N/A
Luminaire Lumens: 2361.3 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.09 / 1.17
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

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°	153935	153935	153935
5°	155658	153266	151613
10°	157932	151981	148127
15°	160536	149560	144599
20°	161540	144465	140308
25°	156917	136665	134578
30°	145817	127021	127077
35°	130524	115797	118241
40°	111748	103794	107595
45°	96200	91527	94949
50°	83637	79680	82070
55°	73595	68540	67919
60°	65481	57176	52704
65°	57442	45814	38110
70°	49318	32400	25791
75°	40062	18749	15094
80°	28653	8207	7499
85°	10854	3383	3383



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.1	5.0
10°-20°	334.3	14.2
20°-30°	477.3	20.2
30°-40°	499.3	21.1
40°-50°	418.4	17.7
50°-60°	292.8	12.4
60°-70°	159.4	6.8
70°-80°	55.3	2.3
80°-90°	6.4	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°	929.7	39.4
0°-40°	1429.0	60.5
0°-60°	2140.2	90.6
0°-90°	2361.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2361.3	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1253	1253	1253	1253	1253	
5°	1262	1256	1243	1232	1229	121
15°	1262	1236	1176	1142	1137	356
25°	1158	1096	1008	988	993	529
35°	870	827	772	778	788	540
45°	554	541	527	544	546	431
55°	344	332	320	320	317	310
65°	198	180	158	132	131	197
75°	84	68	40	32	32	91
85°	8	4	2	2	2	14
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°	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0
2.5°	1258.8	1257.4	1257.8	1257.8	1257.8	1257.4	1257.8	1257.4	1257.4	1256.8	1255.8
5°	1262.2	1261.2	1261.2	1261.2	1260.7	1260.2	1260.2	1259.8	1258.8	1258.2	1256.4
7.5°	1264.6	1263.6	1263.6	1263.1	1262.6	1262.2	1261.6	1260.2	1258.8	1257.8	1255.4
10°	1266.0	1264.6	1264.6	1263.6	1262.6	1262.2	1261.2	1259.2	1257.4	1254.9	1251.6
12.5°	1265.0	1263.6	1263.1	1262.2	1260.2	1259.2	1258.2	1255.8	1252.5	1249.2	1244.8
15°	1262.2	1261.2	1260.2	1258.8	1256.4	1254.9	1254.0	1250.1	1245.8	1240.9	1235.6
17.5°	1256.4	1254.9	1253.0	1251.0	1247.6	1246.2	1243.8	1239.0	1232.7	1226.0	1217.8
20°	1235.6	1234.7	1232.7	1229.4	1224.1	1222.1	1218.7	1212.5	1204.3	1196.1	1187.4
22.5°	1201.4	1199.9	1197.1	1194.2	1189.4	1186.0	1183.1	1174.4	1165.2	1156.6	1148.4
25°	1157.6	1156.1	1152.2	1148.4	1143.6	1137.8	1134.9	1128.1	1119.0	1107.9	1095.9
27.5°	1101.2	1096.4	1094.9	1090.6	1083.4	1081.4	1077.0	1068.4	1059.7	1050.1	1039.9
30°	1027.9	1027.9	1025.1	1023.1	1016.3	1014.4	1009.6	1000.4	995.6	982.2	974.4
32.5°	950.3	949.3	946.9	945.5	941.7	938.3	933.5	928.7	918.0	911.3	900.7
35°	870.3	864.5	865.5	862.7	860.3	856.3	855.9	850.5	840.9	837.1	827.4
37.5°	779.3	776.9	780.2	775.9	773.5	773.9	770.1	766.7	762.9	756.1	754.2
40°	696.8	698.8	698.3	694.4	696.4	694.0	690.1	686.7	684.8	680.5	679.1
42.5°	623.1	620.2	619.2	619.2	619.8	619.8	617.8	615.4	615.4	611.1	606.7
45°	553.7	553.7	552.8	555.6	551.3	551.3	549.8	549.4	547.4	546.5	541.2
47.5°	493.9	493.5	493.0	492.5	492.1	492.1	489.1	486.7	486.3	483.3	480.5
50°	437.6	440.4	439.5	437.1	436.2	436.6	434.7	433.2	432.8	427.9	428.4
52.5°	390.3	389.9	390.9	389.4	387.0	387.5	385.5	383.6	381.7	379.3	377.3
55°	343.6	346.0	345.0	343.6	343.1	342.2	340.7	338.3	337.8	332.5	332.0
57.5°	304.5	304.1	303.1	300.7	300.2	298.8	298.8	296.9	294.0	291.1	288.7
60°	266.5	266.5	265.0	264.6	262.6	262.2	261.6	259.8	256.4	254.0	250.1
62.5°	229.9	230.9	229.9	228.5	226.9	225.1	224.1	222.7	219.7	217.3	213.9
65°	197.6	197.1	196.6	194.7	194.2	192.3	191.8	188.9	186.0	184.1	180.2
67.5°	166.8	165.3	165.3	164.3	163.4	161.9	161.0	158.1	154.7	152.8	148.9
70°	137.3	136.3	136.3	136.3	133.9	132.5	132.1	130.6	125.7	123.9	120.0
72.5°	110.4	109.9	109.4	108.0	106.5	106.5	104.6	101.7	99.3	96.8	94.0
75°	84.4	85.3	84.4	82.4	82.0	81.0	79.5	77.1	74.7	71.8	68.4
77.5°	61.7	60.7	59.7	59.7	58.8	56.9	56.4	54.5	51.5	49.7	46.3
80°	40.5	40.0	39.1	38.1	37.6	37.1	36.7	34.7	31.8	30.3	27.5
82.5°	22.2	21.7	21.7	21.2	19.8	19.8	19.3	17.4	15.9	15.0	13.5
85°	7.7	7.7	7.7	7.2	7.2	7.2	6.8	6.2	5.8	5.3	4.4
87.5°	1.0	0.4	1.0	0.4	1.0	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°	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0
2.5°	1254.9	1254.0	1253.4	1253.0	1252.5	1252.0	1251.6	1250.6	1250.1	1249.6	1248.6
5°	1254.9	1253.0	1252.0	1250.6	1249.6	1248.6	1247.2	1245.8	1244.3	1242.8	1241.4
7.5°	1253.0	1250.1	1248.2	1245.2	1244.3	1242.8	1240.0	1238.0	1235.6	1232.7	1229.4
10°	1248.2	1244.8	1240.9	1237.1	1235.6	1233.2	1229.4	1226.0	1222.1	1218.3	1214.9
12.5°	1240.4	1235.2	1230.3	1225.0	1222.1	1219.7	1214.5	1209.6	1204.8	1200.5	1194.7
15°	1228.9	1222.6	1216.3	1209.1	1205.7	1202.9	1195.1	1189.4	1181.6	1175.9	1170.1
17.5°	1210.1	1200.5	1192.7	1183.6	1178.8	1175.4	1168.6	1159.5	1152.2	1146.0	1139.3
20°	1177.8	1168.6	1158.0	1147.9	1142.6	1138.3	1128.7	1119.0	1111.8	1105.0	1097.8
22.5°	1135.4	1123.9	1116.1	1103.6	1099.3	1094.0	1082.4	1073.7	1065.5	1058.8	1052.0
25°	1083.8	1073.7	1063.1	1051.5	1046.3	1039.9	1030.3	1021.2	1015.9	1008.2	1000.0
27.5°	1024.5	1016.3	1003.4	993.2	988.0	983.1	974.0	965.8	958.1	952.7	945.1
30°	961.9	952.3	940.7	930.1	927.2	921.4	913.2	907.0	898.8	895.4	892.0
32.5°	893.0	881.9	873.2	866.5	860.7	855.9	851.5	841.4	840.0	831.3	830.3
35°	817.8	813.0	804.8	799.0	794.2	790.8	783.6	778.8	773.5	772.1	768.7
37.5°	747.0	741.2	733.5	728.2	724.8	724.4	719.0	716.2	712.2	710.4	706.5
40°	672.7	670.3	663.6	662.7	657.3	656.9	654.0	650.6	647.2	647.2	647.7
42.5°	604.3	601.4	598.5	595.1	592.3	592.3	590.9	589.9	588.9	587.5	589.9
45°	540.2	536.4	534.4	531.0	532.5	529.6	528.6	528.6	527.2	526.8	530.1
47.5°	480.5	476.1	474.2	473.2	473.2	473.7	469.4	470.8	470.4	471.3	472.8
50°	426.0	422.2	419.3	419.3	419.7	417.8	415.9	417.3	415.9	416.9	420.2
52.5°	375.4	371.6	370.1	370.1	367.2	366.8	367.7	365.8	366.2	366.8	368.6
55°	328.7	326.3	323.9	321.5	321.9	320.9	319.1	318.5	319.5	320.0	322.4
57.5°	286.8	283.4	280.0	279.0	278.0	278.0	275.6	275.2	276.2	273.8	273.8
60°	246.7	244.8	240.5	239.0	239.0	236.6	234.7	235.7	233.3	232.7	233.3
62.5°	209.6	208.2	205.3	202.4	201.4	200.5	198.1	197.1	196.2	194.2	191.3
65°	177.4	174.0	170.6	168.6	167.2	164.8	163.4	161.4	158.6	157.6	154.7
67.5°	145.1	141.7	138.3	136.9	135.5	133.9	131.5	129.1	125.7	121.9	118.5
70°	116.6	112.3	110.4	106.5	105.6	103.6	100.2	97.8	94.4	90.2	86.8
72.5°	89.2	86.2	83.4	80.0	77.6	76.2	73.2	69.4	65.5	63.1	59.7
75°	64.1	62.7	58.8	54.9	54.0	52.1	48.7	46.3	43.3	39.5	36.7
77.5°	43.3	40.5	38.1	34.7	33.7	31.8	29.9	27.5	25.5	23.1	21.2
80°	25.5	23.1	21.7	19.3	18.3	17.4	15.9	14.0	12.6	11.6	11.1
82.5°	12.6	10.6	10.1	8.6	8.2	7.7	6.8	6.2	5.3	5.3	5.3
85°	4.4	3.4	3.4	2.9	2.4	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	1.0	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°	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0
2.5°	1248.2	1247.6	1247.2	1246.7	1246.7	1246.2	1246.2	1245.8	1245.8	1245.2	1245.2
5°	1239.5	1238.0	1237.1	1236.1	1236.1	1234.7	1233.7	1232.7	1232.3	1232.3	1231.3
7.5°	1227.5	1225.5	1223.6	1222.1	1221.7	1219.3	1217.3	1217.3	1215.4	1214.5	1213.5
10°	1211.5	1208.1	1205.3	1203.9	1201.9	1200.5	1198.1	1196.6	1195.1	1192.7	1192.3
12.5°	1189.9	1187.4	1183.1	1181.2	1180.2	1177.3	1173.4	1171.6	1171.0	1169.2	1167.6
15°	1165.2	1160.0	1156.1	1153.7	1153.7	1148.9	1147.0	1144.1	1142.1	1140.7	1140.2
17.5°	1133.5	1128.1	1124.3	1120.9	1119.9	1116.1	1113.3	1112.3	1109.9	1110.8	1108.4
20°	1092.5	1088.2	1085.2	1081.0	1081.0	1078.6	1077.6	1075.2	1074.2	1073.2	1074.2
22.5°	1048.7	1043.3	1038.5	1038.1	1038.1	1034.7	1034.2	1033.7	1031.7	1033.3	1032.7
25°	997.1	993.2	990.4	989.8	989.8	988.0	986.0	987.0	988.4	988.0	989.4
27.5°	943.6	939.7	938.7	938.3	937.3	936.9	937.8	937.8	939.3	941.1	943.1
30°	885.8	884.8	883.4	882.9	881.9	884.3	885.3	886.7	886.2	889.2	891.0
32.5°	827.9	826.0	825.5	826.5	827.9	827.4	830.3	831.3	832.3	835.7	837.1
35°	769.7	769.1	768.1	768.1	768.7	772.5	772.5	775.9	777.8	778.8	782.6
37.5°	707.0	708.9	709.8	711.3	711.8	713.2	714.2	717.6	719.5	721.4	723.4
40°	649.6	648.7	653.0	650.1	651.1	655.4	657.3	656.9	659.7	662.7	664.5
42.5°	588.5	589.9	590.9	591.8	594.2	594.7	597.1	600.5	601.4	604.8	605.8
45°	529.2	529.6	531.6	533.4	535.0	538.8	539.8	541.2	544.1	544.1	545.6
47.5°	473.2	475.2	475.2	478.1	480.5	480.0	483.3	484.3	483.9	486.3	487.2
50°	419.7	422.6	422.2	424.1	425.1	425.5	428.4	429.4	427.5	429.9	430.4
52.5°	368.6	370.1	372.0	372.5	371.6	374.0	373.0	374.9	374.4	376.4	374.4
55°	321.9	321.5	321.5	322.4	321.5	322.4	323.3	321.5	320.0	321.9	321.5
57.5°	275.2	275.2	274.2	275.6	274.2	272.8	272.2	270.8	269.4	269.4	268.9
60°	231.3	230.3	228.5	227.9	227.9	225.5	224.5	222.7	222.7	220.7	218.8
62.5°	190.4	188.0	186.5	186.5	185.6	183.2	178.8	175.9	175.0	172.0	171.6
65°	151.8	149.4	147.9	145.1	142.7	141.7	137.3	133.9	132.5	129.7	130.1
67.5°	116.6	112.8	108.4	106.5	105.0	101.7	100.2	97.8	96.4	96.4	96.4
70°	83.8	80.5	76.2	74.7	73.7	70.8	69.4	68.9	70.4	69.9	70.4
72.5°	56.4	53.0	51.1	50.1	49.1	47.7	48.7	49.1	48.2	48.7	49.1
75°	34.2	33.3	31.8	31.3	31.3	31.8	31.3	31.3	31.8	31.8	32.3
77.5°	19.8	18.8	18.8	18.3	19.3	18.8	18.8	18.8	19.3	19.3	19.3
80°	10.6	10.6	10.6	10.6	11.1	10.6	11.1	11.1	11.1	11.1	11.1
82.5°	5.3	5.3	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.3
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
87.5°	0.4	1.0	1.0	1.0	1.0	1.0	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: P857830

CATALOG NUMBER: LX4C35D010 EX4C359830 4LBLWWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0	1253.0
2.5°	1244.3	1244.3	1244.3	1243.4	1243.8	1243.8	1243.4	1243.4
5°	1230.8	1230.3	1229.4	1229.4	1228.4	1229.4	1228.9	1229.4
7.5°	1212.5	1212.5	1211.1	1211.1	1210.5	1210.1	1209.6	1210.1
10°	1190.8	1190.8	1189.9	1189.4	1189.9	1187.9	1187.9	1187.4
12.5°	1166.8	1165.8	1164.8	1165.2	1164.8	1163.4	1162.8	1163.4
15°	1138.8	1137.3	1137.8	1136.3	1136.3	1135.9	1136.9	1136.9
17.5°	1107.9	1106.9	1106.0	1106.5	1105.5	1106.0	1105.5	1105.0
20°	1073.7	1073.2	1073.2	1071.3	1071.8	1071.3	1071.8	1073.2
22.5°	1034.2	1033.7	1034.2	1032.7	1033.7	1033.7	1035.1	1035.1
25°	990.8	990.4	991.3	991.8	992.2	993.7	992.2	992.8
27.5°	942.7	944.1	945.5	946.0	947.9	946.5	945.5	946.9
30°	894.0	894.0	893.4	895.4	896.8	898.3	895.8	895.8
32.5°	838.1	840.5	840.5	840.9	842.4	842.4	842.4	844.3
35°	784.6	786.0	786.5	784.6	785.5	785.0	788.4	788.4
37.5°	724.8	724.8	725.3	728.6	728.6	727.2	728.2	728.2
40°	667.9	668.4	666.5	667.5	669.9	668.9	669.9	670.9
42.5°	605.8	609.1	607.2	608.2	607.7	608.2	608.7	608.7
45°	546.5	547.4	547.4	548.0	548.9	549.8	547.0	546.5
47.5°	488.7	489.1	490.5	488.1	491.1	488.1	491.1	487.7
50°	430.4	432.3	430.8	431.8	430.4	430.4	429.9	429.4
52.5°	374.9	374.4	374.4	374.0	374.0	374.9	374.0	375.4
55°	319.5	320.0	319.1	318.5	318.1	319.5	318.1	317.1
57.5°	267.0	268.0	266.0	267.0	263.6	265.0	265.6	266.0
60°	218.3	216.9	216.9	214.9	214.9	216.3	214.5	214.5
62.5°	169.2	170.1	168.6	170.6	170.6	172.6	171.6	172.6
65°	129.7	130.1	130.6	130.6	130.6	133.5	132.5	131.1
67.5°	97.8	98.3	98.8	98.3	99.8	98.8	98.8	99.3
70°	70.8	71.3	71.8	71.8	71.3	71.8	71.8	71.8
72.5°	49.1	49.7	49.1	49.7	50.1	49.7	49.7	50.1
75°	32.3	32.3	31.8	31.8	31.8	31.8	32.3	31.8
77.5°	18.8	19.3	18.8	19.3	19.3	19.3	19.3	19.3
80°	11.1	11.1	11.1	10.6	11.1	11.1	11.1	10.6
82.5°	5.8	5.8	5.3	5.3	5.8	5.8	5.8	5.8
85°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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)