

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: P684151

Luminaire Tested: **LX6C25D010 EX6C259035 6LCSWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P684151
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P252284)
Test Lab: INNOVATION CENTER
Issue Date: 2/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LX6C25D010 EX6C259035 6LCSWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH
Light Source: -
Ballast/Driver: -

Summary

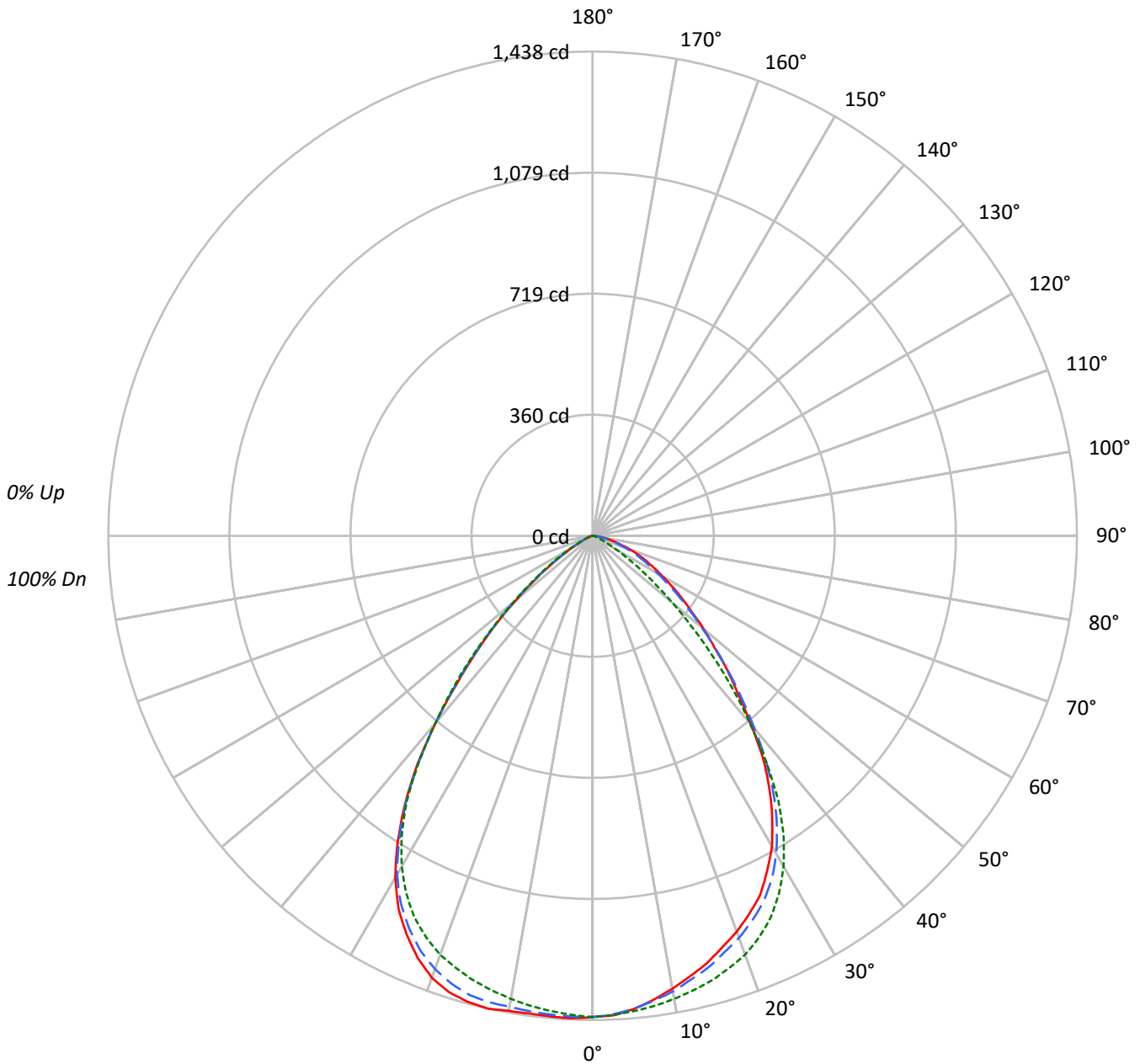
Lumens per Lamp: N/A
Luminaire Lumens: 2398.0 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 31.5
Input Voltage (V):
Input Current (A_{in}): 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: P684151

CATALOG NUMBER: LX6C25D010 EX6C259035 6LCSWH

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	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90																			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	85	82	80																			
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72																			
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	69	66	64																			
5	85	74	67	62	83	73	66	61	71	65	61	70	64	60	68	63	60	58																			
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52																			
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47																			
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43																			
9	65	54	47	42	64	53	46	42	52	46	42	51	46	41	50	45	41	40																			
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	78360	78360	78360
5°	77614	77988	78846
10°	76012	77737	79758
15°	74558	77594	81317
20°	73011	77240	81470
25°	71212	75700	79045
30°	67422	71790	74195
35°	61228	64347	64929
40°	52255	52005	51761
45°	43896	38942	37740
50°	36664	26353	25031
55°	30852	16171	14690
60°	26116	8519	7379
65°	22622	4475	3580
70°	18817	2773	1939
75°	13895	1822	1101
80°	10892	1073	568
85°	8680	1132	0



TEST NUMBER: P684151

CATALOG NUMBER: LX6C25D010 EX6C259035 6LCSWH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.7	5.6
10°-20°	385.7	16.1
20°-30°	569.6	23.8
30°-40°	587.0	24.5
40°-50°	405.4	16.9
50°-60°	199.8	8.3
60°-70°	81.0	3.4
70°-80°	28.9	1.2
80°-90°	6.0	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°	1090.0	45.5
0°-40°	1676.9	69.9
0°-60°	2282.2	95.2
0°-90°	2398.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2398.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1429	1429	1429	1429	1429	
5°	1410	1410	1417	1428	1433	133
15°	1314	1328	1367	1412	1433	370
25°	1177	1200	1252	1288	1307	538
35°	915	937	962	967	970	567
45°	566	570	502	495	487	438
55°	323	311	169	159	154	292
65°	174	157	34	28	28	173
75°	66	55	9	5	5	74
85°	14	10	2	0	0	17
90°	0	0	0	0	0	



TEST NUMBER: P684151

CATALOG NUMBER: LX6C25D010 EX6C259035 6LCSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4
2.5°	1425.9	1420.7	1424.2	1417.2	1425.9	1417.2	1419.0	1420.7	1419.0	1420.7	1422.4
5°	1410.4	1405.2	1410.4	1401.7	1410.4	1405.2	1405.2	1406.9	1406.9	1408.6	1410.4
7.5°	1389.7	1384.5	1389.7	1381.0	1391.3	1386.2	1386.2	1389.7	1387.9	1389.7	1393.1
10°	1365.5	1358.6	1363.8	1358.6	1368.9	1362.0	1365.5	1365.5	1365.5	1370.6	1374.1
12.5°	1339.6	1332.7	1339.6	1331.0	1341.3	1336.2	1337.9	1343.0	1344.7	1348.2	1349.9
15°	1313.7	1305.1	1308.5	1303.3	1313.7	1308.5	1310.3	1317.1	1317.1	1322.3	1327.5
17.5°	1280.9	1274.0	1280.9	1274.0	1282.6	1279.2	1282.6	1287.8	1287.8	1293.0	1298.1
20°	1251.5	1244.6	1249.8	1244.6	1255.0	1249.8	1251.5	1258.5	1260.1	1265.3	1270.5
22.5°	1215.3	1210.1	1213.5	1208.4	1218.7	1215.3	1217.0	1223.9	1225.7	1229.1	1237.8
25°	1177.3	1166.9	1172.1	1168.7	1179.1	1173.9	1177.3	1184.2	1187.7	1192.8	1199.8
27.5°	1122.1	1116.9	1120.3	1120.3	1129.0	1123.8	1125.5	1132.5	1137.6	1142.8	1151.4
30°	1065.1	1056.5	1059.9	1061.6	1068.6	1065.1	1068.6	1075.5	1077.2	1084.1	1091.0
32.5°	992.6	989.1	996.1	992.6	996.1	996.1	997.8	1002.9	1006.4	1009.9	1018.5
35°	914.9	908.0	914.9	911.5	920.1	914.9	920.1	925.3	925.3	932.2	937.4
37.5°	830.3	821.7	825.1	825.1	828.6	826.9	826.9	835.5	837.2	842.4	847.6
40°	730.2	726.7	733.7	731.9	733.7	733.7	735.4	740.6	744.0	745.8	747.5
42.5°	640.5	642.1	643.9	643.9	643.9	643.9	643.9	650.8	649.1	654.3	656.0
45°	566.2	559.3	562.8	561.1	566.2	561.1	566.2	571.4	567.9	573.1	569.6
47.5°	490.2	490.2	490.2	488.6	492.0	490.2	493.7	495.4	495.4	495.4	493.7
50°	429.9	424.7	426.4	426.4	428.1	426.4	429.9	431.6	431.6	428.1	421.2
52.5°	371.1	369.4	369.4	372.9	372.9	371.1	371.1	371.1	371.1	366.0	362.5
55°	322.8	319.4	321.1	321.1	321.1	321.1	322.8	321.1	321.1	315.9	310.8
57.5°	279.7	276.2	276.2	276.2	277.9	276.2	276.2	276.2	274.5	269.3	262.4
60°	238.2	236.5	238.2	238.2	239.9	238.2	238.2	238.2	234.8	229.6	222.7
62.5°	203.7	203.7	203.7	205.4	205.4	203.7	203.7	202.0	200.3	193.3	186.4
65°	174.4	172.6	174.4	174.4	176.1	176.1	174.4	172.6	170.9	164.0	157.1
67.5°	145.0	143.3	145.0	145.0	146.7	145.0	145.0	145.0	139.8	136.4	129.4
70°	117.4	115.7	115.7	115.7	117.4	113.9	115.7	115.7	112.2	107.0	100.1
72.5°	89.8	89.8	89.8	89.8	89.8	89.8	88.0	88.0	84.6	79.4	76.0
75°	65.6	65.6	67.3	67.3	65.6	65.6	65.6	63.9	62.1	58.7	55.2
77.5°	48.4	48.4	48.4	48.4	46.6	46.6	46.6	44.9	43.2	41.4	38.0
80°	34.5	34.5	34.5	32.8	34.5	32.8	32.8	32.8	29.3	27.6	25.9
82.5°	24.1	22.5	22.5	22.5	22.5	22.5	22.5	20.7	20.7	19.0	17.3
85°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	12.1	10.4	10.4
87.5°	6.9	8.6	8.6	8.6	8.6	8.6	8.6	6.9	6.9	6.9	5.2
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: P684151

CATALOG NUMBER: LX6C25D010 EX6C259035 6LCSWH

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4
2.5°	1422.4	1422.4	1425.9	1420.7	1429.4	1424.2	1422.4	1431.1	1425.9	1424.2	1427.6
5°	1410.4	1412.1	1413.8	1410.4	1419.0	1413.8	1413.8	1422.4	1419.0	1417.2	1422.4
7.5°	1394.8	1396.5	1400.0	1398.3	1405.2	1401.7	1403.5	1412.1	1408.6	1408.6	1413.8
10°	1375.8	1379.3	1382.8	1382.8	1391.3	1387.9	1387.9	1398.3	1394.8	1396.5	1403.5
12.5°	1353.4	1358.6	1363.8	1365.5	1374.1	1368.9	1370.6	1382.8	1381.0	1382.8	1389.7
15°	1329.2	1336.2	1341.3	1341.3	1351.7	1346.5	1351.7	1363.8	1360.3	1367.2	1375.8
17.5°	1301.6	1308.5	1315.4	1317.1	1327.5	1324.0	1331.0	1343.0	1343.0	1346.5	1356.9
20°	1275.7	1284.4	1287.8	1293.0	1303.3	1301.6	1305.1	1318.9	1318.9	1324.0	1334.4
22.5°	1241.2	1249.8	1256.7	1261.9	1270.5	1270.5	1275.7	1287.8	1287.8	1291.2	1301.6
25°	1203.2	1213.5	1218.7	1223.9	1232.6	1230.8	1236.0	1246.4	1248.1	1251.5	1261.9
27.5°	1154.9	1163.5	1170.4	1173.9	1185.9	1179.1	1184.2	1196.3	1194.6	1198.0	1206.7
30°	1094.5	1103.1	1110.0	1110.0	1120.3	1120.3	1125.5	1130.7	1130.7	1134.1	1141.1
32.5°	1023.7	1034.0	1034.0	1039.2	1046.1	1039.2	1046.1	1053.0	1049.6	1054.8	1059.9
35°	942.5	947.7	949.5	949.5	954.7	952.9	951.1	956.3	952.9	961.5	966.7
37.5°	844.2	851.0	847.6	851.0	849.3	844.2	844.2	852.8	845.9	847.6	852.8
40°	749.2	749.2	747.5	738.9	740.6	735.4	733.7	735.4	728.5	726.7	733.7
42.5°	650.8	649.1	643.9	631.8	633.5	624.9	618.0	618.0	614.6	612.8	614.6
45°	562.8	557.6	548.9	535.2	531.7	524.8	511.0	507.5	502.3	502.3	504.1
47.5°	481.6	474.7	460.9	445.4	436.8	428.1	414.3	409.1	400.5	397.0	400.5
50°	414.3	402.2	385.0	362.5	353.9	343.5	329.7	321.1	312.4	309.0	307.2
52.5°	352.2	334.9	317.6	290.0	283.1	272.8	253.8	245.1	236.5	229.6	229.6
55°	298.6	283.1	258.9	233.0	222.7	212.3	193.3	181.2	172.6	169.2	165.7
57.5°	250.3	233.0	210.6	183.0	172.6	162.3	143.3	131.2	122.6	117.4	113.9
60°	210.6	191.6	169.2	145.0	132.9	122.6	103.6	91.5	82.8	77.7	74.2
62.5°	172.6	157.1	134.6	112.2	101.9	91.5	76.0	63.9	55.2	51.8	46.6
65°	145.0	129.4	108.7	89.8	81.1	70.8	57.0	46.6	39.7	34.5	31.1
67.5°	117.4	105.3	88.0	70.8	62.1	55.2	43.2	34.5	27.6	24.1	22.5
70°	93.2	81.1	67.3	53.5	48.4	41.4	32.8	24.1	20.7	17.3	15.5
72.5°	69.1	60.4	50.1	39.7	34.5	31.1	22.5	19.0	13.8	12.1	10.4
75°	50.1	43.2	36.2	27.6	24.1	22.5	17.3	12.1	10.4	8.6	6.9
77.5°	34.5	31.1	24.1	19.0	17.3	15.5	12.1	8.6	6.9	5.2	5.2
80°	22.5	19.0	15.5	12.1	12.1	10.4	6.9	5.2	5.2	3.4	3.4
82.5°	13.8	12.1	10.4	8.6	6.9	6.9	5.2	3.4	3.4	1.8	1.8
85°	8.6	6.9	5.2	5.2	3.4	3.4	3.4	1.8	1.8	1.8	1.8
87.5°	3.4	3.4	3.4	1.8	1.8	1.8	1.8	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: P684151

CATALOG NUMBER: LX6C25D010 EX6C259035 6LCSWH

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4
2.5°	1427.6	1427.6	1431.1	1425.9	1429.4	1429.4	1432.8	1425.9	1429.4	1431.1	1434.5
5°	1420.7	1422.4	1425.9	1424.2	1425.9	1425.9	1429.4	1420.7	1427.6	1427.6	1432.8
7.5°	1413.8	1413.8	1417.2	1415.6	1419.0	1420.7	1424.2	1417.2	1424.2	1424.2	1429.4
10°	1405.2	1405.2	1410.4	1408.6	1413.8	1415.6	1420.7	1413.8	1420.7	1422.4	1427.6
12.5°	1393.1	1394.8	1400.0	1400.0	1405.2	1408.6	1413.8	1410.4	1419.0	1420.7	1427.6
15°	1379.3	1382.8	1389.7	1387.9	1393.1	1398.3	1405.2	1400.0	1412.1	1415.6	1422.4
17.5°	1362.0	1365.5	1370.6	1370.6	1375.8	1379.3	1387.9	1384.5	1394.8	1396.5	1405.2
20°	1336.2	1341.3	1348.2	1346.5	1351.7	1355.1	1362.0	1358.6	1368.9	1372.4	1381.0
22.5°	1305.1	1308.5	1313.7	1313.7	1318.9	1322.3	1329.2	1324.0	1334.4	1336.2	1343.0
25°	1263.7	1267.1	1270.5	1272.3	1277.4	1279.2	1282.6	1279.2	1287.8	1289.6	1298.1
27.5°	1210.1	1211.8	1217.0	1217.0	1220.5	1222.2	1227.4	1220.5	1232.6	1232.6	1237.8
30°	1146.2	1144.5	1151.4	1148.0	1151.4	1151.4	1156.6	1153.2	1161.8	1158.4	1163.5
32.5°	1061.6	1065.1	1065.1	1061.6	1068.6	1066.8	1066.8	1063.4	1068.6	1070.3	1073.7
35°	963.3	968.4	968.4	970.2	971.9	966.7	968.4	958.1	966.7	968.4	970.2
37.5°	856.2	851.0	854.5	849.3	857.9	847.6	847.6	840.7	847.6	847.6	849.3
40°	733.7	731.9	735.4	731.9	730.2	728.5	725.0	719.9	726.7	723.3	728.5
42.5°	618.0	616.2	616.2	612.8	611.1	611.1	607.7	604.2	602.5	602.5	611.1
45°	498.9	502.3	498.9	497.2	500.6	497.2	498.9	492.0	495.4	492.0	495.4
47.5°	398.8	400.5	397.0	393.6	398.8	393.6	393.6	388.4	395.3	395.3	391.8
50°	309.0	307.2	303.8	307.2	305.6	305.6	305.6	300.4	303.8	298.6	302.1
52.5°	227.9	226.2	226.2	224.4	226.2	224.4	224.4	222.7	222.7	221.0	222.7
55°	165.7	164.0	160.5	160.5	160.5	162.3	160.5	158.8	158.8	157.1	158.8
57.5°	112.2	108.7	108.7	108.7	108.7	107.0	107.0	105.3	107.0	105.3	107.0
60°	72.5	72.5	69.1	69.1	69.1	69.1	69.1	67.3	69.1	69.1	69.1
62.5°	44.9	44.9	43.2	41.4	43.2	41.4	41.4	41.4	43.2	41.4	43.2
65°	29.3	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
67.5°	20.7	19.0	19.0	19.0	19.0	19.0	19.0	17.3	19.0	19.0	19.0
70°	13.8	13.8	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	6.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
77.5°	5.2	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	3.4	3.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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: P684151

CATALOG NUMBER: LX6C25D010 EX6C259035 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4	1429.4
2.5°	1429.4	1431.1	1427.6	1429.4	1425.9	1429.4	1431.1	1434.5
5°	1425.9	1427.6	1424.2	1427.6	1424.2	1427.6	1429.4	1432.8
7.5°	1422.4	1425.9	1422.4	1425.9	1422.4	1425.9	1427.6	1431.1
10°	1422.4	1427.6	1424.2	1429.4	1424.2	1427.6	1431.1	1432.8
12.5°	1422.4	1427.6	1425.9	1429.4	1427.6	1431.1	1434.5	1438.0
15°	1419.0	1424.2	1420.7	1425.9	1424.2	1425.9	1432.8	1432.8
17.5°	1400.0	1405.2	1405.2	1408.6	1408.6	1413.8	1417.2	1420.7
20°	1375.8	1381.0	1379.3	1384.5	1384.5	1389.7	1393.1	1396.5
22.5°	1339.6	1346.5	1344.7	1349.9	1348.2	1351.7	1358.6	1356.9
25°	1293.0	1301.6	1299.9	1303.3	1301.6	1301.6	1305.1	1306.8
27.5°	1236.0	1241.2	1239.4	1242.9	1239.4	1242.9	1246.4	1248.1
30°	1161.8	1165.2	1163.5	1165.2	1163.5	1166.9	1168.7	1172.1
32.5°	1072.0	1077.2	1072.0	1075.5	1073.7	1073.7	1080.7	1077.2
35°	965.0	966.7	968.4	968.4	965.0	966.7	970.2	970.2
37.5°	845.9	854.5	844.2	849.3	847.6	847.6	847.6	852.8
40°	721.6	723.3	719.9	719.9	719.9	718.1	725.0	723.3
42.5°	604.2	605.9	604.2	599.0	600.7	600.7	605.9	599.0
45°	490.2	493.7	492.0	492.0	488.6	488.6	490.2	486.8
47.5°	388.4	391.8	386.7	388.4	385.0	388.4	386.7	390.1
50°	295.2	298.6	296.9	298.6	298.6	295.2	300.4	293.5
52.5°	221.0	222.7	221.0	219.2	217.5	217.5	221.0	219.2
55°	157.1	155.3	155.3	155.3	157.1	157.1	155.3	153.7
57.5°	105.3	105.3	103.6	103.6	105.3	101.9	103.6	101.9
60°	67.3	67.3	67.3	67.3	65.6	67.3	67.3	67.3
62.5°	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
65°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
67.5°	17.3	19.0	19.0	19.0	17.3	17.3	17.3	17.3
70°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1
72.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
75°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
80°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.8	1.8	1.8	1.8	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)