

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: P563925

Luminaire Tested: **LX6C25D010 EX6C259030 6LCSWH**

Issue Date: 2/15/2022

Test Information

Test Method: LM-79-08
Report Number: P563925
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 EX6C259030 6LCSWH
Description: 6 INCH 2500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3000K, 90CRI LEDS
AND 6LCSW TRIM WITH H FINISH, DIM TO WARM
Light Source: -
Ballast/Driver: -

Summary

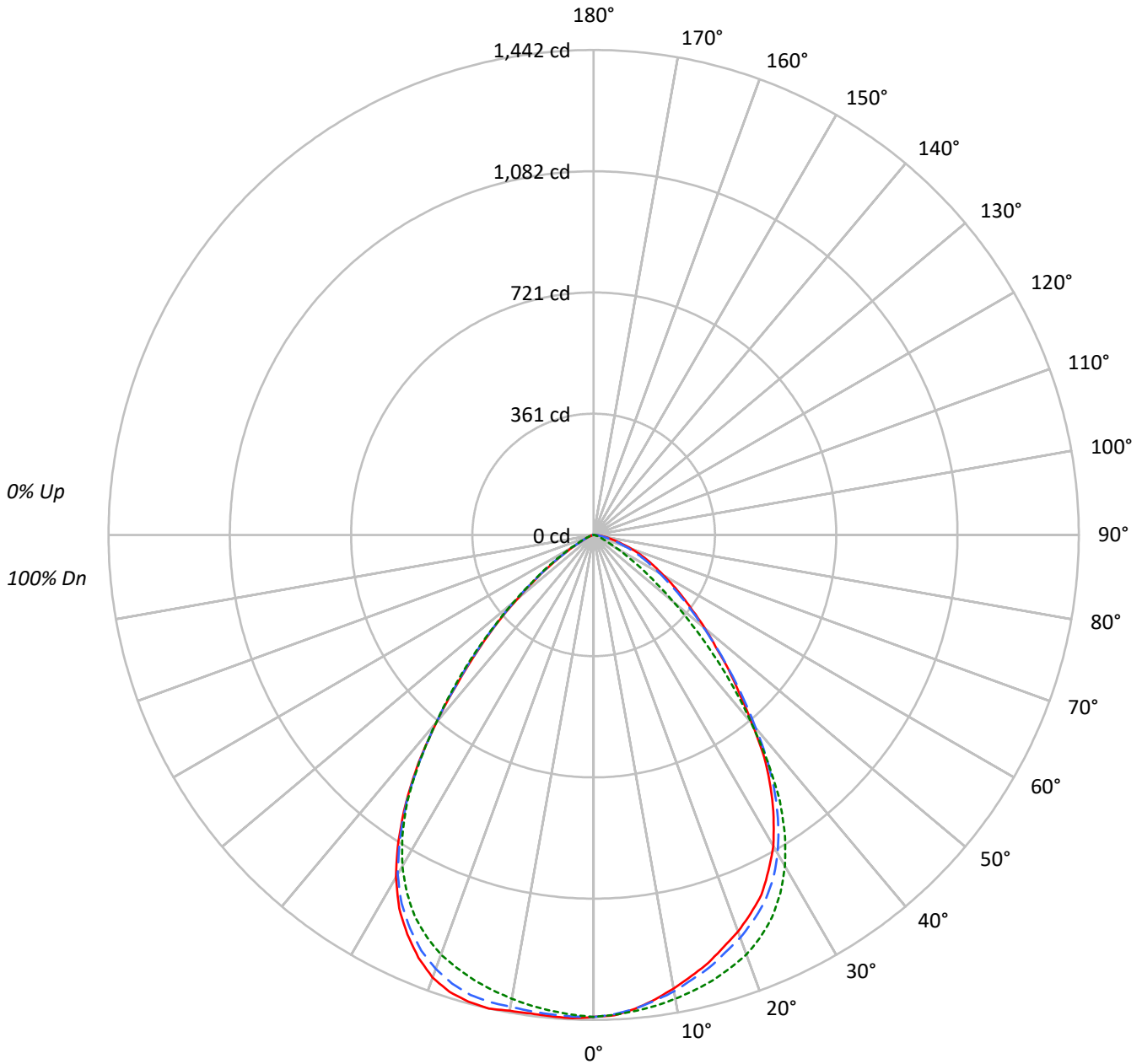
Lumens per Lamp: N/A
Luminaire Lumens: 2404.6 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.18 / 1.16
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

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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	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°	78574	78574	78574
5°	77828	78203	79066
10°	76223	77954	79981
15°	74768	77810	81544
20°	73215	77462	81697
25°	71411	75912	79263
30°	67612	71992	74404
35°	61402	64527	65109
40°	52405	52148	51904
45°	44020	39051	37849
50°	36766	26421	25099
55°	30938	16219	14728
60°	26193	8541	7401
65°	22687	4488	3593
70°	18865	2773	1939
75°	13937	1822	1101
80°	10923	1105	537
85°	8680	1069	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.1	5.6
10°-20°	386.8	16.1
20°-30°	571.1	23.8
30°-40°	588.6	24.5
40°-50°	406.5	16.9
50°-60°	200.4	8.3
60°-70°	81.2	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°	1093.0	45.5
0°-40°	1681.6	69.9
0°-60°	2288.5	95.2
0°-90°	2404.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2404.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1433	1433	1433	1433	1433	
5°	1414	1414	1421	1432	1437	134
15°	1317	1331	1371	1416	1437	371
25°	1181	1203	1255	1291	1310	540
35°	918	940	964	969	973	569
45°	568	571	504	497	488	439
55°	324	312	170	159	154	292
65°	175	158	35	28	28	174
75°	66	55	9	5	5	74
85°	14	10	2	0	0	17
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°	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3
2.5°	1429.9	1424.7	1428.1	1421.1	1429.9	1421.1	1423.0	1424.7	1423.0	1424.7	1426.4
5°	1414.3	1409.0	1414.3	1405.7	1414.3	1409.0	1409.0	1410.9	1410.9	1412.5	1414.3
7.5°	1393.6	1388.3	1393.6	1384.8	1395.2	1390.1	1390.1	1393.6	1391.7	1393.6	1396.9
10°	1369.3	1362.3	1367.5	1362.3	1372.7	1365.8	1369.3	1369.3	1369.3	1374.4	1378.0
12.5°	1343.3	1336.4	1343.3	1334.7	1345.0	1339.9	1341.6	1346.8	1348.5	1352.0	1353.7
15°	1317.4	1308.7	1312.2	1306.9	1317.4	1312.2	1313.9	1320.8	1320.8	1326.0	1331.2
17.5°	1284.5	1277.5	1284.5	1277.5	1286.1	1282.7	1286.1	1291.3	1291.3	1296.6	1301.7
20°	1255.0	1248.1	1253.3	1248.1	1258.5	1253.3	1255.0	1261.9	1263.7	1268.9	1274.0
22.5°	1218.7	1213.4	1216.9	1211.8	1222.2	1218.7	1220.4	1227.4	1229.1	1232.5	1241.2
25°	1180.6	1170.2	1175.4	1171.9	1182.3	1177.1	1180.6	1187.5	1191.0	1196.1	1203.1
27.5°	1125.2	1119.9	1123.4	1123.4	1132.0	1127.0	1128.7	1135.6	1140.8	1146.0	1154.6
30°	1068.1	1059.4	1062.9	1064.6	1071.5	1068.1	1071.5	1078.4	1080.2	1087.1	1094.0
32.5°	995.4	991.9	998.8	995.4	998.8	998.8	1000.5	1005.7	1009.2	1012.7	1021.4
35°	917.5	910.6	917.5	914.1	922.7	917.5	922.7	927.9	927.9	934.8	940.0
37.5°	832.7	824.0	827.4	827.4	830.8	829.2	829.2	837.9	839.5	844.8	850.0
40°	732.3	728.7	735.7	733.9	735.7	735.7	737.4	742.7	746.1	747.8	749.6
42.5°	642.3	643.9	645.7	645.7	645.7	645.7	645.7	652.6	650.9	656.1	657.8
45°	567.8	560.9	564.3	562.6	567.8	562.6	567.8	573.0	569.5	574.7	571.3
47.5°	491.6	491.6	491.6	489.9	493.3	491.6	495.1	496.8	496.8	496.8	495.1
50°	431.1	425.9	427.5	427.5	429.3	427.5	431.1	432.7	432.7	429.3	422.4
52.5°	372.2	370.5	370.5	373.9	373.9	372.2	372.2	372.2	372.2	367.0	363.5
55°	323.7	320.3	321.9	321.9	321.9	321.9	323.7	321.9	321.9	316.8	311.6
57.5°	280.4	277.0	277.0	277.0	278.7	277.0	277.0	277.0	275.3	270.1	263.1
60°	238.9	237.1	238.9	238.9	240.6	238.9	238.9	238.9	235.5	230.3	223.3
62.5°	204.3	204.3	204.3	206.0	206.0	204.3	204.3	202.5	200.8	193.9	187.0
65°	174.9	173.1	174.9	174.9	176.6	176.6	174.9	173.1	171.4	164.5	157.6
67.5°	145.5	143.6	145.5	145.5	147.1	145.5	145.5	145.5	140.2	136.8	129.8
70°	117.7	116.0	116.0	116.0	117.7	114.2	116.0	116.0	112.5	107.3	100.4
72.5°	90.0	90.0	90.0	90.0	90.0	90.0	88.3	88.3	84.8	79.6	76.2
75°	65.8	65.8	67.5	67.5	65.8	65.8	65.8	64.1	62.3	58.9	55.4
77.5°	48.5	48.5	48.5	48.5	46.7	46.7	46.7	45.0	43.3	41.5	38.0
80°	34.6	34.6	34.6	32.9	34.6	32.9	32.9	32.9	29.4	27.7	25.9
82.5°	24.2	22.5	22.5	22.5	22.5	22.5	22.5	20.8	20.8	19.1	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



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3
2.5°	1426.4	1426.4	1429.9	1424.7	1433.3	1428.1	1426.4	1435.1	1429.9	1428.1	1431.6
5°	1414.3	1416.0	1417.8	1414.3	1423.0	1417.8	1417.8	1426.4	1423.0	1421.1	1426.4
7.5°	1398.8	1400.4	1403.8	1402.2	1409.0	1405.7	1407.4	1416.0	1412.5	1412.5	1417.8
10°	1379.6	1383.1	1386.6	1386.6	1395.2	1391.7	1391.7	1402.2	1398.8	1400.4	1407.4
12.5°	1357.1	1362.3	1367.5	1369.3	1378.0	1372.7	1374.4	1386.6	1384.8	1386.6	1393.6
15°	1332.9	1339.9	1345.0	1345.0	1355.4	1350.2	1355.4	1367.5	1364.1	1371.0	1379.6
17.5°	1305.3	1312.2	1319.0	1320.8	1331.2	1327.8	1334.7	1346.8	1346.8	1350.2	1360.6
20°	1279.2	1287.9	1291.3	1296.6	1306.9	1305.3	1308.7	1322.6	1322.6	1327.8	1338.1
22.5°	1244.6	1253.3	1260.2	1265.4	1274.0	1274.0	1279.2	1291.3	1291.3	1294.8	1305.3
25°	1206.6	1216.9	1222.2	1227.4	1236.0	1234.3	1239.5	1249.8	1251.6	1255.0	1265.4
27.5°	1158.1	1166.7	1173.6	1177.1	1189.2	1182.3	1187.5	1199.7	1197.9	1201.3	1210.0
30°	1097.6	1106.2	1113.1	1113.1	1123.4	1123.4	1128.7	1133.9	1133.9	1137.3	1144.2
32.5°	1026.5	1036.9	1036.9	1042.1	1049.0	1042.1	1049.0	1056.0	1052.5	1057.7	1062.9
35°	945.1	950.4	952.1	952.1	957.3	955.6	953.8	959.0	955.6	964.2	969.4
37.5°	846.5	853.4	850.0	853.4	851.7	846.5	846.5	855.2	848.2	850.0	855.2
40°	751.3	751.3	749.6	740.9	742.7	737.4	735.7	737.4	730.6	728.7	735.7
42.5°	652.6	650.9	645.7	633.6	635.2	626.6	619.7	619.7	616.2	614.5	616.2
45°	564.3	559.2	550.4	536.7	533.1	526.2	512.4	508.9	503.7	503.7	505.4
47.5°	483.0	476.0	462.2	446.7	438.0	429.3	415.4	410.2	401.6	398.1	401.6
50°	415.4	403.3	386.0	363.5	354.8	344.5	330.6	321.9	313.3	309.8	308.1
52.5°	353.2	335.9	318.5	290.8	283.9	273.5	254.5	245.8	237.1	230.3	230.3
55°	299.5	283.9	259.7	233.7	223.3	212.9	193.9	181.8	173.1	169.7	166.2
57.5°	251.0	233.7	211.2	183.5	173.1	162.8	143.6	131.5	122.9	117.7	114.2
60°	211.2	192.1	169.7	145.5	133.4	122.9	103.9	91.8	83.1	77.9	74.4
62.5°	173.1	157.6	135.0	112.5	102.1	91.8	76.2	64.1	55.4	52.0	46.7
65°	145.5	129.8	109.0	90.0	81.4	71.0	57.2	46.7	39.9	34.6	31.2
67.5°	117.7	105.6	88.3	71.0	62.3	55.4	43.3	34.6	27.7	24.2	22.5
70°	93.5	81.4	67.5	53.6	48.5	41.5	32.9	24.2	20.8	17.3	15.6
72.5°	69.3	60.6	50.1	39.9	34.6	31.2	22.5	19.1	13.8	12.1	10.4
75°	50.1	43.3	36.3	27.7	24.2	22.5	17.3	12.1	10.4	8.6	6.9
77.5°	34.6	31.2	24.2	19.1	17.3	15.6	12.1	8.6	6.9	5.2	5.2
80°	22.5	19.1	15.6	12.1	12.1	10.4	6.9	5.2	5.2	3.5	3.5
82.5°	13.8	12.1	10.4	8.6	6.9	6.9	5.2	3.5	3.5	1.7	1.7
85°	8.6	6.9	5.2	5.2	3.5	3.5	3.5	1.7	1.7	1.7	1.7
87.5°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	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°	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3
2.5°	1431.6	1431.6	1435.1	1429.9	1433.3	1433.3	1436.8	1429.9	1433.3	1435.1	1438.5
5°	1424.7	1426.4	1429.9	1428.1	1429.9	1429.9	1433.3	1424.7	1431.6	1431.6	1436.8
7.5°	1417.8	1417.8	1421.1	1419.5	1423.0	1424.7	1428.1	1421.1	1428.1	1428.1	1433.3
10°	1409.0	1409.0	1414.3	1412.5	1417.8	1419.5	1424.7	1417.8	1424.7	1426.4	1431.6
12.5°	1396.9	1398.8	1403.8	1403.8	1409.0	1412.5	1417.8	1414.3	1423.0	1424.7	1431.6
15°	1383.1	1386.6	1393.6	1391.7	1396.9	1402.2	1409.0	1403.8	1416.0	1419.5	1426.4
17.5°	1365.8	1369.3	1374.4	1374.4	1379.6	1383.1	1391.7	1388.3	1398.8	1400.4	1409.0
20°	1339.9	1345.0	1352.0	1350.2	1355.4	1358.9	1365.8	1362.3	1372.7	1376.2	1384.8
22.5°	1308.7	1312.2	1317.4	1317.4	1322.6	1326.0	1332.9	1327.8	1338.1	1339.9	1346.8
25°	1267.1	1270.6	1274.0	1275.8	1281.0	1282.7	1286.1	1282.7	1291.3	1293.2	1301.7
27.5°	1213.4	1215.2	1220.4	1220.4	1223.9	1225.5	1230.8	1223.9	1236.0	1236.0	1241.2
30°	1149.4	1147.7	1154.6	1151.2	1154.6	1154.6	1159.8	1156.4	1165.0	1161.5	1166.7
32.5°	1064.6	1068.1	1068.1	1064.6	1071.5	1069.8	1069.8	1066.3	1071.5	1073.2	1076.7
35°	965.9	971.1	971.1	972.9	974.6	969.4	971.1	960.7	969.4	971.1	972.9
37.5°	858.6	853.4	856.9	851.7	860.3	850.0	850.0	843.1	850.0	850.0	851.7
40°	735.7	733.9	737.4	733.9	732.3	730.6	727.1	721.8	728.7	725.3	730.6
42.5°	619.7	617.9	617.9	614.5	612.9	612.9	609.4	605.8	604.1	604.1	612.9
45°	500.3	503.7	500.3	498.5	502.0	498.5	500.3	493.3	496.8	493.3	496.8
47.5°	399.9	401.6	398.1	394.7	399.9	394.7	394.7	389.5	396.4	396.4	392.9
50°	309.8	308.1	304.7	308.1	306.4	306.4	306.4	301.2	304.7	299.5	302.9
52.5°	228.5	226.8	226.8	225.0	226.8	225.0	225.0	223.3	223.3	221.5	223.3
55°	166.2	164.5	161.0	161.0	161.0	162.8	161.0	159.3	159.3	157.6	159.3
57.5°	112.5	109.0	109.0	109.0	109.0	107.3	107.3	105.6	107.3	105.6	107.3
60°	72.7	72.7	69.3	69.3	69.3	69.3	69.3	67.5	69.3	69.3	69.3
62.5°	45.0	45.0	43.3	41.5	43.3	41.5	41.5	41.5	43.3	41.5	43.3
65°	29.4	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
67.5°	20.8	19.1	19.1	19.1	19.1	19.1	19.1	17.3	19.1	19.1	19.1
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	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	1.7	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	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
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: P563925

CATALOG NUMBER: LX6C25D010 EX6C259030 6LCSWH

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°
0°	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3	1433.3
2.5°	1433.3	1435.1	1431.6	1433.3	1429.9	1433.3	1435.1	1438.5
5°	1429.9	1431.6	1428.1	1431.6	1428.1	1431.6	1433.3	1436.8
7.5°	1426.4	1429.9	1426.4	1429.9	1426.4	1429.9	1431.6	1435.1
10°	1426.4	1431.6	1428.1	1433.3	1428.1	1431.6	1435.1	1436.8
12.5°	1426.4	1431.6	1429.9	1433.3	1431.6	1435.1	1438.5	1442.0
15°	1423.0	1428.1	1424.7	1429.9	1428.1	1429.9	1436.8	1436.8
17.5°	1403.8	1409.0	1409.0	1412.5	1412.5	1417.8	1421.1	1424.7
20°	1379.6	1384.8	1383.1	1388.3	1388.3	1393.6	1396.9	1400.4
22.5°	1343.3	1350.2	1348.5	1353.7	1352.0	1355.4	1362.3	1360.6
25°	1296.6	1305.3	1303.4	1306.9	1305.3	1305.3	1308.7	1310.4
27.5°	1239.5	1244.6	1242.9	1246.4	1242.9	1246.4	1249.8	1251.6
30°	1165.0	1168.5	1166.7	1168.5	1166.7	1170.2	1171.9	1175.4
32.5°	1075.0	1080.2	1075.0	1078.4	1076.7	1076.7	1083.6	1080.2
35°	967.7	969.4	971.1	971.1	967.7	969.4	972.9	972.9
37.5°	848.2	856.9	846.5	851.7	850.0	850.0	850.0	855.2
40°	723.6	725.3	721.8	721.8	721.8	720.1	727.1	725.3
42.5°	605.8	607.6	605.8	600.7	602.4	602.4	607.6	600.7
45°	491.6	495.1	493.3	493.3	489.9	489.9	491.6	488.2
47.5°	389.5	392.9	387.8	389.5	386.0	389.5	387.8	391.2
50°	296.0	299.5	297.7	299.5	299.5	296.0	301.2	294.3
52.5°	221.5	223.3	221.5	219.8	218.1	218.1	221.5	219.8
55°	157.6	155.7	155.7	155.7	157.6	157.6	155.7	154.1
57.5°	105.6	105.6	103.9	103.9	105.6	102.1	103.9	102.1
60°	67.5	67.5	67.5	67.5	65.8	67.5	67.5	67.5
62.5°	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
65°	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
67.5°	17.3	19.1	19.1	19.1	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°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
80°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	1.7	1.7	1.7	1.7	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)