

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P212804

Luminaire Tested: **LE_6B20D010 EC6B10209035 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212804
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29203)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LE_6B20D010 EC6B10209035 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2108.9 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

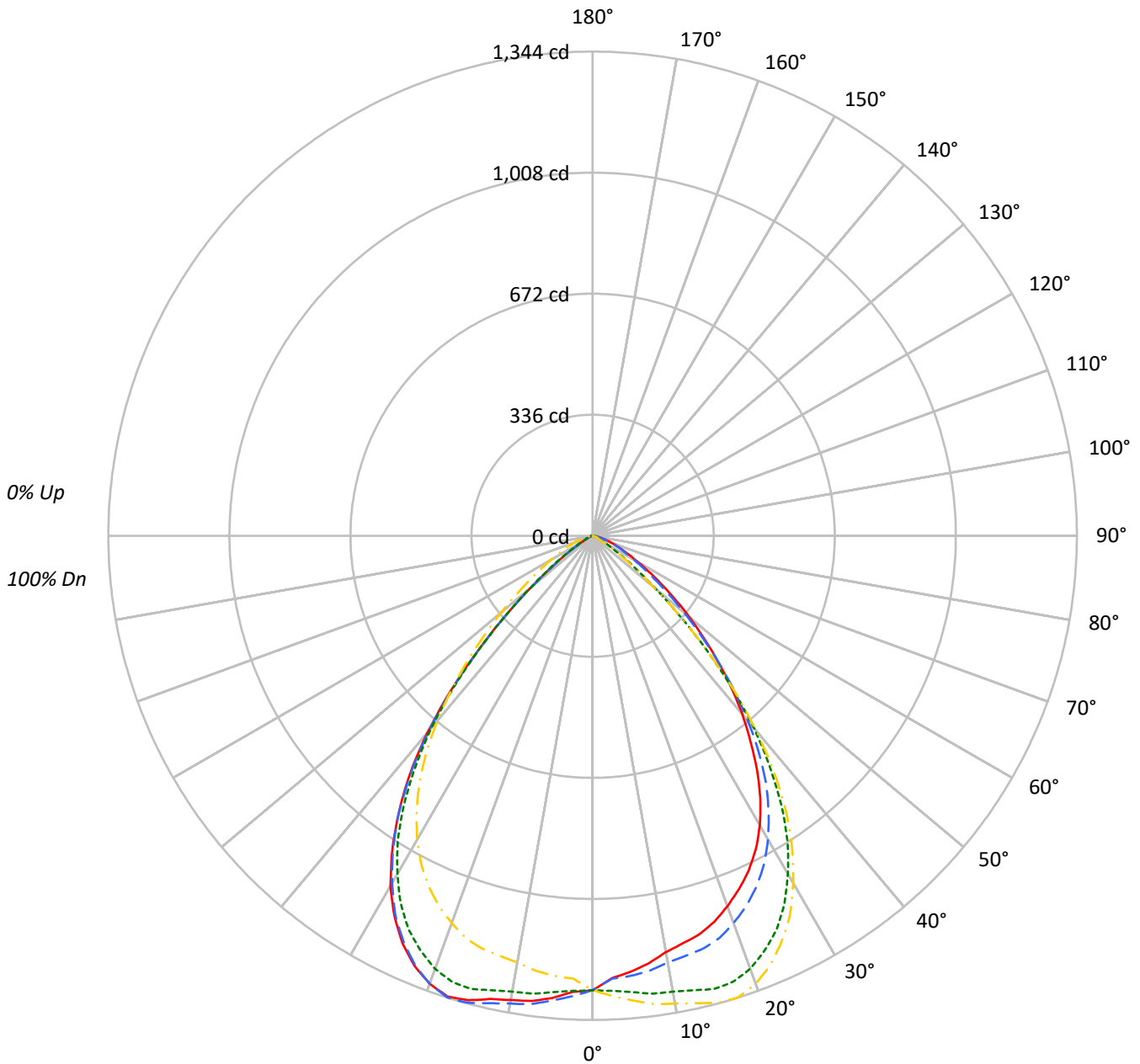
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					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	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91								
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82								
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73								
4	92	83	76	71	90	82	75	70	79	74	70	77	73	69	75	71	68	66								
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60								
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54								
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49								
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45								
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42								
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	69150	69150	69150	69150
5°	66828	69976	70873	69976
10°	65307	71525	72833	71525
15°	65006	73922	75755	73922
20°	63822	74615	77182	74615
25°	62000	73008	75494	73008
30°	58743	68605	71017	68605
35°	53264	61128	62801	61128
40°	46237	49808	51067	49808
45°	37911	34383	34608	34383
50°	29807	19283	18916	19283
55°	22030	9548	8564	9548
60°	15624	4177	3059	4177
65°	11623	2659	1894	2659
70°	8479	2116	1410	2116
75°	6227	1567	932	1567
80°	4167	1389	474	1389
85°	2768	943	943	943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	5.7
10°-20°	357.6	17.0
20°-30°	533.7	25.3
30°-40°	548.3	26.0
40°-50°	355.1	16.8
50°-60°	132.0	6.3
60°-70°	43.3	2.1
70°-80°	15.3	0.7
80°-90°	2.8	0.1
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°	1012.1	48.0
0°-40°	1560.5	74.0
0°-60°	2047.6	97.1
0°-90°	2108.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2108.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1261	1261	1261	1261	1261	
5°	1214	1272	1288	1272	1214	115
15°	1145	1302	1335	1302	1145	322
25°	1025	1207	1248	1207	1025	470
35°	796	913	938	913	796	494
45°	489	444	446	444	489	378
55°	230	100	90	100	230	210
65°	90	20	15	20	90	91
75°	29	7	4	7	29	32
85°	4	2	2	2	4	6
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°	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4
2.5°	1229.1	1246.8	1235.0	1242.2	1230.5	1230.5	1254.0	1240.9	1251.1	1240.9	1230.5
5°	1214.4	1236.4	1221.8	1229.1	1218.8	1220.2	1242.2	1232.0	1242.2	1235.0	1226.1
7.5°	1196.8	1218.8	1205.6	1212.9	1202.6	1205.6	1229.1	1218.8	1230.5	1223.2	1217.4
10°	1173.2	1196.8	1185.0	1192.4	1183.5	1185.0	1208.5	1201.1	1211.5	1207.0	1202.6
12.5°	1158.6	1180.6	1167.4	1174.8	1168.9	1171.8	1193.9	1188.0	1201.1	1196.8	1193.9
15°	1145.4	1165.9	1154.2	1161.5	1157.1	1158.6	1182.1	1176.2	1190.9	1188.0	1186.5
17.5°	1123.4	1145.4	1132.1	1141.0	1136.6	1138.0	1161.5	1157.1	1171.8	1171.8	1170.4
20°	1094.0	1116.0	1105.8	1111.6	1108.6	1111.6	1132.1	1129.2	1143.9	1143.9	1143.9
22.5°	1061.6	1083.8	1072.0	1077.9	1074.9	1079.2	1098.4	1098.4	1110.1	1111.6	1113.1
25°	1025.0	1047.0	1035.2	1042.6	1039.6	1042.6	1060.2	1061.6	1072.0	1072.0	1074.9
27.5°	980.9	1003.0	991.2	997.1	995.6	997.1	1016.1	1019.1	1025.0	1026.4	1029.4
30°	928.0	948.6	936.9	942.8	942.8	942.8	961.9	963.2	969.1	970.6	973.6
32.5°	866.4	884.0	875.1	881.0	879.6	882.5	895.8	901.6	909.0	907.5	909.0
35°	795.9	815.0	806.1	810.6	812.0	816.5	825.2	832.6	834.1	835.5	838.5
37.5°	719.5	738.6	729.8	734.2	735.6	744.5	747.4	754.8	757.8	757.8	757.8
40°	646.1	654.9	647.6	652.0	653.5	660.8	663.8	669.6	672.5	671.1	669.6
42.5°	566.9	574.1	566.9	571.2	571.2	577.1	578.6	585.9	585.9	583.0	578.6
45°	489.0	496.4	489.0	491.9	491.9	497.8	497.8	497.8	500.8	496.4	489.0
47.5°	415.6	422.9	415.6	418.5	417.0	421.5	420.0	421.5	417.0	414.1	405.2
50°	349.5	352.4	349.5	348.0	349.5	352.4	351.0	351.0	345.1	340.6	330.4
52.5°	284.9	289.2	284.9	284.9	284.9	287.9	287.9	286.4	280.5	274.6	264.4
55°	230.5	233.5	232.0	230.5	230.5	233.5	230.5	230.5	224.6	220.2	210.0
57.5°	183.5	185.0	183.5	183.5	183.5	185.0	185.0	182.1	177.6	173.2	165.9
60°	142.5	143.9	143.9	142.5	142.5	145.4	145.4	143.9	139.5	136.6	129.2
62.5°	113.1	113.1	113.1	113.1	113.1	114.5	114.5	114.5	111.6	108.6	102.8
65°	89.6	91.0	89.6	89.6	91.0	92.5	91.0	92.5	89.6	88.1	83.8
67.5°	69.0	70.5	69.0	70.5	70.5	72.0	70.5	72.0	69.0	67.5	64.6
70°	52.9	52.9	52.9	52.9	52.9	54.4	52.9	54.4	52.9	51.4	48.5
72.5°	39.6	39.6	41.1	41.1	39.6	41.1	39.6	39.6	39.6	38.1	36.8
75°	29.4	29.4	30.9	29.4	29.4	29.4	29.4	29.4	27.9	27.9	26.4
77.5°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	19.1	19.1	17.6
80°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	11.8	11.8
82.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	7.4	7.4
85°	4.4	4.4	4.4	5.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	1.5	1.5	1.5	2.9	1.5	1.5	2.9	2.9	1.5	1.5	1.5
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°	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4
2.5°	1242.2	1246.8	1246.8	1242.2	1252.6	1243.8	1261.4	1245.2	1249.6	1264.4	1262.9
5°	1237.9	1243.8	1245.2	1242.2	1255.5	1248.1	1265.8	1249.6	1257.0	1271.6	1271.6
7.5°	1232.0	1239.4	1242.2	1245.2	1257.0	1249.6	1270.2	1254.0	1264.4	1282.0	1280.5
10°	1218.8	1229.1	1235.0	1239.4	1251.1	1246.8	1268.8	1255.5	1264.4	1284.9	1283.4
12.5°	1211.5	1223.2	1232.0	1239.4	1252.6	1249.6	1271.6	1259.9	1271.6	1292.2	1292.2
15°	1205.6	1218.8	1229.1	1242.2	1255.5	1252.6	1276.1	1265.8	1277.5	1302.5	1301.0
17.5°	1190.9	1207.0	1217.4	1232.0	1245.2	1243.8	1268.8	1261.4	1274.6	1298.1	1299.6
20°	1165.9	1180.6	1192.4	1210.0	1224.6	1221.8	1248.1	1240.9	1254.0	1279.0	1280.5
22.5°	1133.6	1148.4	1160.0	1179.1	1192.4	1190.9	1217.4	1210.0	1223.2	1246.8	1248.1
25°	1095.5	1108.6	1120.4	1138.0	1152.8	1152.8	1176.2	1168.9	1183.5	1207.0	1207.0
27.5°	1048.5	1060.2	1070.5	1091.0	1102.8	1102.8	1124.9	1117.5	1132.1	1152.8	1151.2
30°	991.2	1001.5	1010.2	1027.9	1038.1	1039.6	1058.8	1051.4	1066.1	1083.8	1083.8
32.5°	922.1	932.5	938.4	960.4	967.8	966.2	980.9	973.6	988.2	1007.4	1003.0
35°	848.8	853.1	857.6	879.6	882.5	876.6	891.4	884.0	894.2	913.4	910.4
37.5°	765.0	766.5	766.5	785.6	787.1	782.6	791.5	782.6	790.0	807.6	806.1
40°	672.5	671.1	669.6	684.2	682.9	674.0	679.9	672.5	682.9	696.0	688.8
42.5°	578.6	574.1	568.2	575.6	569.8	562.4	565.4	553.6	561.0	571.2	562.4
45°	486.0	477.2	465.5	467.0	459.6	450.8	446.4	434.6	433.2	443.5	436.1
47.5°	399.4	381.8	371.5	365.6	353.9	346.5	337.8	324.5	318.6	324.5	317.1
50°	321.6	304.0	290.8	277.5	265.8	257.0	242.2	233.5	224.6	226.1	220.2
52.5°	254.0	242.2	220.2	210.0	198.2	188.0	174.8	164.5	154.1	154.1	148.2
55°	201.1	185.0	170.4	155.6	143.9	135.1	121.9	111.6	101.4	99.9	94.0
57.5°	155.6	143.9	127.8	113.1	105.8	96.9	83.8	72.0	66.1	61.6	57.2
60°	120.4	108.6	95.5	83.8	74.9	69.0	55.8	47.0	41.1	38.1	33.8
62.5°	96.9	86.6	74.9	63.1	57.2	51.4	41.1	33.8	27.9	25.0	22.0
65°	77.9	69.0	60.2	51.4	47.0	41.1	33.8	27.9	23.5	20.5	17.6
67.5°	60.2	54.4	47.0	41.1	36.8	32.2	26.4	22.0	19.1	16.1	14.6
70°	45.5	41.1	36.8	30.9	27.9	25.0	20.5	16.1	14.6	13.2	11.8
72.5°	35.2	30.9	26.4	23.5	20.5	19.1	16.1	13.2	11.8	10.2	8.8
75°	23.5	22.0	19.1	16.1	14.6	13.2	11.8	10.2	8.8	7.4	7.4
77.5°	16.1	14.6	13.2	11.8	10.2	10.2	8.8	7.4	5.9	5.9	4.4
80°	10.2	8.8	8.8	7.4	7.4	7.4	5.9	4.4	4.4	4.4	2.9
82.5°	7.4	5.9	5.9	4.4	4.4	4.4	4.4	2.9	2.9	2.9	1.5
85°	4.4	2.9	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5	1.5
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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°	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4
2.5°	1251.1	1264.4	1264.4	1276.1	1277.5	1274.6	1261.4	1261.4	1279.0	1289.2	1271.6
5°	1262.9	1276.1	1276.1	1287.9	1293.8	1289.2	1276.1	1277.5	1295.1	1306.9	1289.2
7.5°	1273.1	1286.4	1289.2	1302.5	1306.9	1302.5	1289.2	1292.2	1311.2	1321.6	1304.0
10°	1277.5	1290.8	1292.2	1306.9	1312.8	1306.9	1296.6	1298.1	1318.6	1326.0	1309.9
12.5°	1287.9	1301.0	1301.0	1317.1	1323.0	1318.6	1305.4	1308.4	1328.9	1336.2	1320.1
15°	1298.1	1311.2	1311.2	1328.9	1336.2	1330.4	1320.1	1321.6	1342.1	1349.5	1336.2
17.5°	1298.1	1309.9	1309.9	1328.9	1336.2	1331.9	1320.1	1321.6	1343.6	1349.5	1336.2
20°	1279.0	1292.2	1289.2	1308.4	1315.8	1311.2	1301.0	1301.0	1323.0	1328.9	1315.8
22.5°	1248.1	1259.9	1257.0	1274.6	1283.4	1277.5	1268.8	1267.2	1289.2	1295.1	1282.0
25°	1205.6	1217.4	1214.4	1232.0	1240.9	1233.5	1223.2	1224.6	1242.2	1251.1	1239.4
27.5°	1155.6	1163.0	1158.6	1176.2	1185.0	1177.6	1167.4	1168.9	1186.5	1192.4	1183.5
30°	1088.1	1094.0	1089.6	1104.2	1110.1	1105.8	1096.9	1096.9	1113.1	1120.4	1111.6
32.5°	1007.4	1011.8	1007.4	1019.1	1030.9	1022.0	1013.2	1013.2	1030.9	1036.8	1026.4
35°	913.4	917.8	914.9	926.6	935.4	923.6	916.2	913.4	936.9	933.9	928.0
37.5°	809.1	812.0	803.2	823.8	828.2	815.0	809.1	806.1	826.8	825.2	819.4
40°	691.6	694.6	688.8	703.4	704.9	694.6	690.1	685.8	706.4	704.9	700.5
42.5°	566.9	568.2	561.0	572.8	575.6	565.4	563.9	558.0	577.1	574.1	572.8
45°	437.6	437.6	431.8	440.5	443.5	434.6	431.8	430.2	443.5	443.5	440.5
47.5°	317.1	312.8	305.4	318.6	320.1	314.2	312.8	308.4	321.6	321.6	318.6
50°	217.4	215.9	214.4	217.4	218.8	211.5	215.9	211.5	218.8	218.8	218.8
52.5°	145.4	143.9	141.0	143.9	143.9	139.5	139.5	138.0	143.9	143.9	141.0
55°	91.0	89.6	88.1	89.6	89.6	85.1	88.1	85.1	88.1	88.1	86.6
57.5°	55.8	52.9	52.9	51.4	51.4	48.5	49.9	49.9	49.9	49.9	49.9
60°	32.2	30.9	29.4	29.4	29.4	27.9	27.9	27.9	27.9	27.9	27.9
62.5°	20.5	20.5	19.1	19.1	19.1	19.1	19.1	17.6	19.1	19.1	19.1
65°	17.6	16.1	16.1	16.1	16.1	14.6	14.6	14.6	14.6	14.6	14.6
67.5°	14.6	13.2	13.2	13.2	13.2	11.8	11.8	11.8	11.8	11.8	11.8
70°	11.8	10.2	10.2	10.2	10.2	10.2	8.8	10.2	10.2	8.8	8.8
72.5°	8.8	8.8	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
75°	5.9	5.9	5.9	5.9	5.9	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	4.4	4.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	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	0.0	1.5	0.0	1.5	0.0	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: P212804

CATALOG NUMBER: LE_6B20D010 EC6B10209035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4
2.5°	1292.2	1277.5	1270.2	1284.9	1290.8	1283.4	1277.5	1267.2	1277.5	1283.4	1290.8
5°	1309.9	1296.6	1290.8	1301.0	1309.9	1302.5	1298.1	1287.9	1298.1	1302.5	1309.9
7.5°	1326.0	1312.8	1305.4	1315.8	1326.0	1315.8	1311.2	1302.5	1311.2	1315.8	1326.0
10°	1331.9	1317.1	1311.2	1320.1	1330.4	1320.1	1314.2	1308.4	1314.2	1320.1	1330.4
12.5°	1342.1	1327.5	1320.1	1327.5	1337.8	1327.5	1321.6	1317.1	1321.6	1327.5	1337.8
15°	1356.9	1343.6	1334.8	1342.1	1355.4	1343.6	1336.2	1334.8	1336.2	1343.6	1355.4
17.5°	1356.9	1346.5	1337.8	1343.6	1356.9	1348.0	1337.8	1340.6	1337.8	1348.0	1356.9
20°	1337.8	1327.5	1320.1	1320.1	1339.2	1327.5	1318.6	1323.0	1318.6	1327.5	1339.2
22.5°	1304.0	1295.1	1287.9	1286.4	1305.4	1295.1	1283.4	1292.2	1283.4	1295.1	1305.4
25°	1259.9	1251.1	1245.2	1242.2	1261.4	1249.6	1239.4	1248.1	1239.4	1249.6	1261.4
27.5°	1202.6	1195.2	1189.4	1185.0	1202.6	1192.4	1182.1	1190.9	1182.1	1192.4	1202.6
30°	1129.2	1124.9	1119.0	1113.1	1130.8	1120.4	1110.1	1121.9	1110.1	1120.4	1130.8
32.5°	1044.0	1041.1	1033.8	1027.9	1045.5	1033.8	1026.4	1035.2	1026.4	1033.8	1045.5
35°	945.6	941.2	936.9	926.6	945.6	935.4	935.4	938.4	935.4	935.4	945.6
37.5°	835.5	832.6	826.8	817.9	834.1	826.8	823.8	832.6	823.8	826.8	834.1
40°	712.2	710.8	706.4	696.0	713.6	706.4	701.9	713.6	701.9	706.4	713.6
42.5°	583.0	580.0	575.6	574.1	583.0	577.1	581.5	581.5	581.5	577.1	583.0
45°	449.4	446.4	443.5	437.6	447.9	444.9	443.5	446.4	443.5	444.9	447.9
47.5°	326.0	323.0	320.1	315.8	326.0	321.6	321.6	324.5	321.6	321.6	326.0
50°	218.8	220.2	218.8	215.9	218.8	217.4	218.8	221.8	218.8	217.4	218.8
52.5°	145.4	145.4	142.5	141.0	143.9	142.5	146.9	143.9	146.9	142.5	143.9
55°	88.1	89.6	88.1	86.6	88.1	86.6	91.0	89.6	91.0	86.6	88.1
57.5°	49.9	49.9	51.4	49.9	52.9	51.4	51.4	51.4	51.4	51.4	52.9
60°	27.9	27.9	27.9	27.9	27.9	27.9	29.4	27.9	29.4	27.9	27.9
62.5°	19.1	19.1	19.1	17.6	19.1	17.6	19.1	19.1	19.1	17.6	19.1
65°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
67.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8
70°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
72.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	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	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: P212804

CATALOG NUMBER: LE_6B20D010 EC6B10209035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4
2.5°	1284.9	1270.2	1277.5	1292.2	1271.6	1289.2	1279.0	1261.4	1261.4	1274.6	1277.5
5°	1301.0	1290.8	1296.6	1309.9	1289.2	1306.9	1295.1	1277.5	1276.1	1289.2	1293.8
7.5°	1315.8	1305.4	1312.8	1326.0	1304.0	1321.6	1311.2	1292.2	1289.2	1302.5	1306.9
10°	1320.1	1311.2	1317.1	1331.9	1309.9	1326.0	1318.6	1298.1	1296.6	1306.9	1312.8
12.5°	1327.5	1320.1	1327.5	1342.1	1320.1	1336.2	1328.9	1308.4	1305.4	1318.6	1323.0
15°	1342.1	1334.8	1343.6	1356.9	1336.2	1349.5	1342.1	1321.6	1320.1	1330.4	1336.2
17.5°	1343.6	1337.8	1346.5	1356.9	1336.2	1349.5	1343.6	1321.6	1320.1	1331.9	1336.2
20°	1320.1	1320.1	1327.5	1337.8	1315.8	1328.9	1323.0	1301.0	1301.0	1311.2	1315.8
22.5°	1286.4	1287.9	1295.1	1304.0	1282.0	1295.1	1289.2	1267.2	1268.8	1277.5	1283.4
25°	1242.2	1245.2	1251.1	1259.9	1239.4	1251.1	1242.2	1224.6	1223.2	1233.5	1240.9
27.5°	1185.0	1189.4	1195.2	1202.6	1183.5	1192.4	1186.5	1168.9	1167.4	1177.6	1185.0
30°	1113.1	1119.0	1124.9	1129.2	1111.6	1120.4	1113.1	1096.9	1096.9	1105.8	1110.1
32.5°	1027.9	1033.8	1041.1	1044.0	1026.4	1036.8	1030.9	1013.2	1013.2	1022.0	1030.9
35°	926.6	936.9	941.2	945.6	928.0	933.9	936.9	913.4	916.2	923.6	935.4
37.5°	817.9	826.8	832.6	835.5	819.4	825.2	826.8	806.1	809.1	815.0	828.2
40°	696.0	706.4	710.8	712.2	700.5	704.9	706.4	685.8	690.1	694.6	704.9
42.5°	574.1	575.6	580.0	583.0	572.8	574.1	577.1	558.0	563.9	565.4	575.6
45°	437.6	443.5	446.4	449.4	440.5	443.5	443.5	430.2	431.8	434.6	443.5
47.5°	315.8	320.1	323.0	326.0	318.6	321.6	321.6	308.4	312.8	314.2	320.1
50°	215.9	218.8	220.2	218.8	218.8	218.8	218.8	211.5	215.9	211.5	218.8
52.5°	141.0	142.5	145.4	145.4	141.0	143.9	143.9	138.0	139.5	139.5	143.9
55°	86.6	88.1	89.6	88.1	86.6	88.1	88.1	85.1	88.1	85.1	89.6
57.5°	49.9	51.4	49.9	49.9	49.9	49.9	49.9	49.9	49.9	48.5	51.4
60°	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	29.4
62.5°	17.6	19.1	19.1	19.1	19.1	19.1	19.1	17.6	19.1	19.1	19.1
65°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	16.1
67.5°	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	11.8	13.2
70°	8.8	8.8	8.8	8.8	8.8	8.8	10.2	10.2	8.8	10.2	10.2
72.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	1.5	0.0	1.5
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: P212804

CATALOG NUMBER: LE_6B20D010 EC6B10209035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4
2.5°	1276.1	1264.4	1264.4	1251.1	1262.9	1264.4	1249.6	1245.2	1261.4	1243.8	1252.6
5°	1287.9	1276.1	1276.1	1262.9	1271.6	1271.6	1257.0	1249.6	1265.8	1248.1	1255.5
7.5°	1302.5	1289.2	1286.4	1273.1	1280.5	1282.0	1264.4	1254.0	1270.2	1249.6	1257.0
10°	1306.9	1292.2	1290.8	1277.5	1283.4	1284.9	1264.4	1255.5	1268.8	1246.8	1251.1
12.5°	1317.1	1301.0	1301.0	1287.9	1292.2	1292.2	1271.6	1259.9	1271.6	1249.6	1252.6
15°	1328.9	1311.2	1311.2	1298.1	1301.0	1302.5	1277.5	1265.8	1276.1	1252.6	1255.5
17.5°	1328.9	1309.9	1309.9	1298.1	1299.6	1298.1	1274.6	1261.4	1268.8	1243.8	1245.2
20°	1308.4	1289.2	1292.2	1279.0	1280.5	1279.0	1254.0	1240.9	1248.1	1221.8	1224.6
22.5°	1274.6	1257.0	1259.9	1248.1	1248.1	1246.8	1223.2	1210.0	1217.4	1190.9	1192.4
25°	1232.0	1214.4	1217.4	1205.6	1207.0	1207.0	1183.5	1168.9	1176.2	1152.8	1152.8
27.5°	1176.2	1158.6	1163.0	1155.6	1151.2	1152.8	1132.1	1117.5	1124.9	1102.8	1102.8
30°	1104.2	1089.6	1094.0	1088.1	1083.8	1083.8	1066.1	1051.4	1058.8	1039.6	1038.1
32.5°	1019.1	1007.4	1011.8	1007.4	1003.0	1007.4	988.2	973.6	980.9	966.2	967.8
35°	926.6	914.9	917.8	913.4	910.4	913.4	894.2	884.0	891.4	876.6	882.5
37.5°	823.8	803.2	812.0	809.1	806.1	807.6	790.0	782.6	791.5	782.6	787.1
40°	703.4	688.8	694.6	691.6	688.8	696.0	682.9	672.5	679.9	674.0	682.9
42.5°	572.8	561.0	568.2	566.9	562.4	571.2	561.0	553.6	565.4	562.4	569.8
45°	440.5	431.8	437.6	437.6	436.1	443.5	433.2	434.6	446.4	450.8	459.6
47.5°	318.6	305.4	312.8	317.1	317.1	324.5	318.6	324.5	337.8	346.5	353.9
50°	217.4	214.4	215.9	217.4	220.2	226.1	224.6	233.5	242.2	257.0	265.8
52.5°	143.9	141.0	143.9	145.4	148.2	154.1	154.1	164.5	174.8	188.0	198.2
55°	89.6	88.1	89.6	91.0	94.0	99.9	101.4	111.6	121.9	135.1	143.9
57.5°	51.4	52.9	52.9	55.8	57.2	61.6	66.1	72.0	83.8	96.9	105.8
60°	29.4	29.4	30.9	32.2	33.8	38.1	41.1	47.0	55.8	69.0	74.9
62.5°	19.1	19.1	20.5	20.5	22.0	25.0	27.9	33.8	41.1	51.4	57.2
65°	16.1	16.1	16.1	17.6	17.6	20.5	23.5	27.9	33.8	41.1	47.0
67.5°	13.2	13.2	13.2	14.6	14.6	16.1	19.1	22.0	26.4	32.2	36.8
70°	10.2	10.2	10.2	11.8	11.8	13.2	14.6	16.1	20.5	25.0	27.9
72.5°	7.4	7.4	8.8	8.8	8.8	10.2	11.8	13.2	16.1	19.1	20.5
75°	5.9	5.9	5.9	5.9	7.4	7.4	8.8	10.2	11.8	13.2	14.6
77.5°	2.9	2.9	4.4	4.4	4.4	5.9	5.9	7.4	8.8	10.2	10.2
80°	2.9	2.9	2.9	2.9	2.9	4.4	4.4	4.4	5.9	7.4	7.4
82.5°	1.5	1.5	1.5	1.5	1.5	2.9	2.9	2.9	4.4	4.4	4.4
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	2.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5	1.5
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: P212804

CATALOG NUMBER: LE_6B20D010 EC6B10209035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4	1261.4
2.5°	1242.2	1246.8	1246.8	1242.2	1230.5	1240.9	1251.1	1240.9	1254.0	1230.5	1230.5
5°	1242.2	1245.2	1243.8	1237.9	1226.1	1235.0	1242.2	1232.0	1242.2	1220.2	1218.8
7.5°	1245.2	1242.2	1239.4	1232.0	1217.4	1223.2	1230.5	1218.8	1229.1	1205.6	1202.6
10°	1239.4	1235.0	1229.1	1218.8	1202.6	1207.0	1211.5	1201.1	1208.5	1185.0	1183.5
12.5°	1239.4	1232.0	1223.2	1211.5	1193.9	1196.8	1201.1	1188.0	1193.9	1171.8	1168.9
15°	1242.2	1229.1	1218.8	1205.6	1186.5	1188.0	1190.9	1176.2	1182.1	1158.6	1157.1
17.5°	1232.0	1217.4	1207.0	1190.9	1170.4	1171.8	1171.8	1157.1	1161.5	1138.0	1136.6
20°	1210.0	1192.4	1180.6	1165.9	1143.9	1143.9	1143.9	1129.2	1132.1	1111.6	1108.6
22.5°	1179.1	1160.0	1148.4	1133.6	1113.1	1111.6	1110.1	1098.4	1098.4	1079.2	1074.9
25°	1138.0	1120.4	1108.6	1095.5	1074.9	1072.0	1072.0	1061.6	1060.2	1042.6	1039.6
27.5°	1091.0	1070.5	1060.2	1048.5	1029.4	1026.4	1025.0	1019.1	1016.1	997.1	995.6
30°	1027.9	1010.2	1001.5	991.2	973.6	970.6	969.1	963.2	961.9	942.8	942.8
32.5°	960.4	938.4	932.5	922.1	909.0	907.5	909.0	901.6	895.8	882.5	879.6
35°	879.6	857.6	853.1	848.8	838.5	835.5	834.1	832.6	825.2	816.5	812.0
37.5°	785.6	766.5	766.5	765.0	757.8	757.8	757.8	754.8	747.4	744.5	735.6
40°	684.2	669.6	671.1	672.5	669.6	671.1	672.5	669.6	663.8	660.8	653.5
42.5°	575.6	568.2	574.1	578.6	578.6	583.0	585.9	585.9	578.6	577.1	571.2
45°	467.0	465.5	477.2	486.0	489.0	496.4	500.8	497.8	497.8	497.8	491.9
47.5°	365.6	371.5	381.8	399.4	405.2	414.1	417.0	421.5	420.0	421.5	417.0
50°	277.5	290.8	304.0	321.6	330.4	340.6	345.1	351.0	351.0	352.4	349.5
52.5°	210.0	220.2	242.2	254.0	264.4	274.6	280.5	286.4	287.9	287.9	284.9
55°	155.6	170.4	185.0	201.1	210.0	220.2	224.6	230.5	230.5	233.5	230.5
57.5°	113.1	127.8	143.9	155.6	165.9	173.2	177.6	182.1	185.0	185.0	183.5
60°	83.8	95.5	108.6	120.4	129.2	136.6	139.5	143.9	145.4	145.4	142.5
62.5°	63.1	74.9	86.6	96.9	102.8	108.6	111.6	114.5	114.5	114.5	113.1
65°	51.4	60.2	69.0	77.9	83.8	88.1	89.6	92.5	91.0	92.5	91.0
67.5°	41.1	47.0	54.4	60.2	64.6	67.5	69.0	72.0	70.5	72.0	70.5
70°	30.9	36.8	41.1	45.5	48.5	51.4	52.9	54.4	52.9	54.4	52.9
72.5°	23.5	26.4	30.9	35.2	36.8	38.1	39.6	39.6	39.6	41.1	39.6
75°	16.1	19.1	22.0	23.5	26.4	27.9	27.9	29.4	29.4	29.4	29.4
77.5°	11.8	13.2	14.6	16.1	17.6	19.1	19.1	20.5	20.5	20.5	20.5
80°	7.4	8.8	8.8	10.2	11.8	11.8	13.2	13.2	13.2	13.2	13.2
82.5°	4.4	5.9	5.9	7.4	7.4	7.4	8.8	8.8	8.8	8.8	8.8
85°	2.9	2.9	2.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	2.9	1.5	1.5
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: P212804

CATALOG NUMBER: LE_6B20D010 EC6B10209035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1261.4	1261.4	1261.4	1261.4
2.5°	1242.2	1235.0	1246.8	1229.1
5°	1229.1	1221.8	1236.4	1214.4
7.5°	1212.9	1205.6	1218.8	1196.8
10°	1192.4	1185.0	1196.8	1173.2
12.5°	1174.8	1167.4	1180.6	1158.6
15°	1161.5	1154.2	1165.9	1145.4
17.5°	1141.0	1132.1	1145.4	1123.4
20°	1111.6	1105.8	1116.0	1094.0
22.5°	1077.9	1072.0	1083.8	1061.6
25°	1042.6	1035.2	1047.0	1025.0
27.5°	997.1	991.2	1003.0	980.9
30°	942.8	936.9	948.6	928.0
32.5°	881.0	875.1	884.0	866.4
35°	810.6	806.1	815.0	795.9
37.5°	734.2	729.8	738.6	719.5
40°	652.0	647.6	654.9	646.1
42.5°	571.2	566.9	574.1	566.9
45°	491.9	489.0	496.4	489.0
47.5°	418.5	415.6	422.9	415.6
50°	348.0	349.5	352.4	349.5
52.5°	284.9	284.9	289.2	284.9
55°	230.5	232.0	233.5	230.5
57.5°	183.5	183.5	185.0	183.5
60°	142.5	143.9	143.9	142.5
62.5°	113.1	113.1	113.1	113.1
65°	89.6	89.6	91.0	89.6
67.5°	70.5	69.0	70.5	69.0
70°	52.9	52.9	52.9	52.9
72.5°	41.1	41.1	39.6	39.6
75°	29.4	30.9	29.4	29.4
77.5°	20.5	20.5	20.5	20.5
80°	13.2	13.2	13.2	13.2
82.5°	8.8	8.8	8.8	8.8
85°	5.9	4.4	4.4	4.4
87.5°	2.9	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)