

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: P212803

Luminaire Tested: **LE\_6B20D010 EC6B10209030 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212803  
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 EC6B10209030 6LBSWL11  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2079.3 lumens  
Efficiency: N/A  
Efficacy: 100.0 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

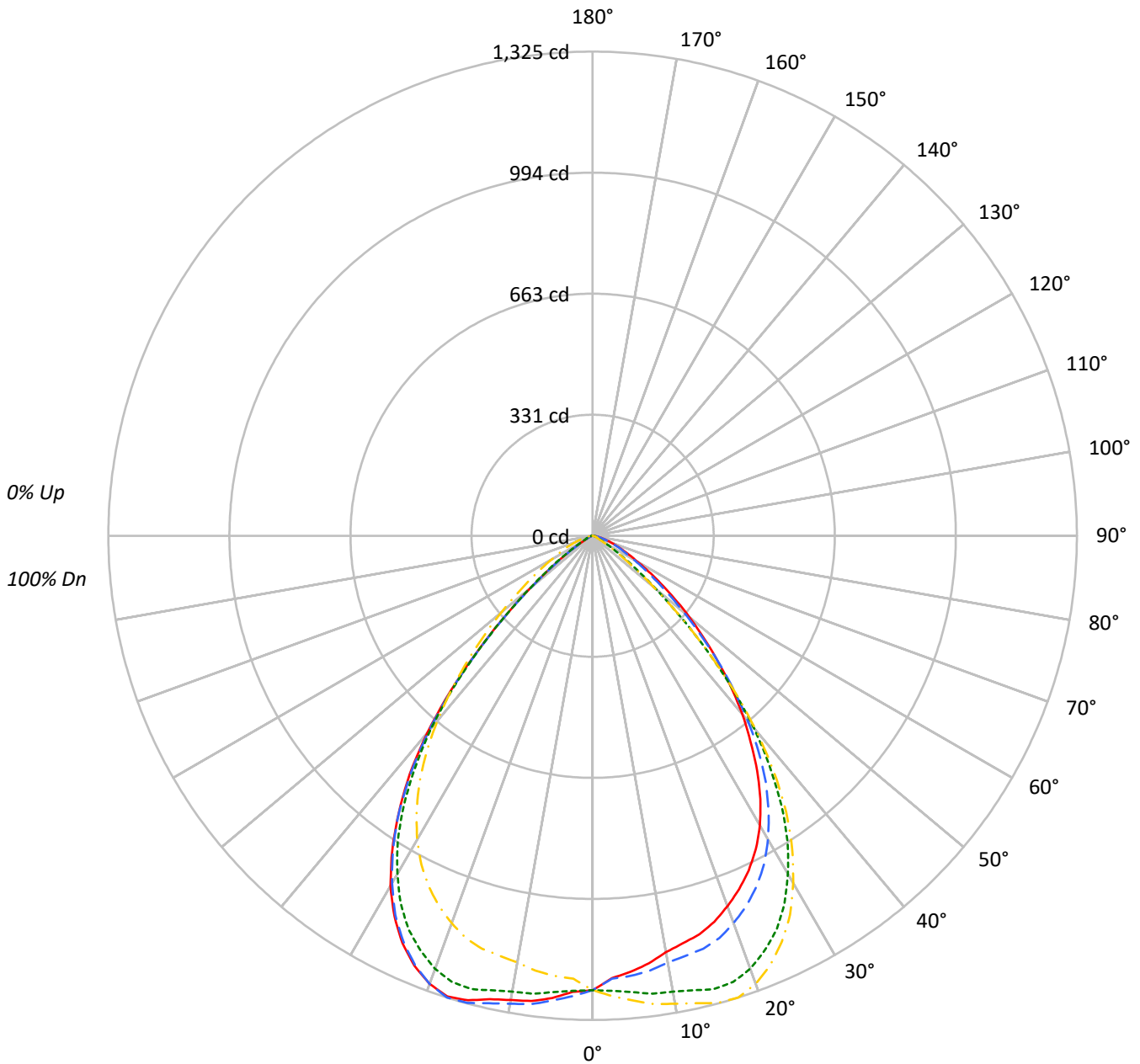
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212803

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSWL11

### Luminous Intensity Polar Plot





TEST NUMBER: P212803

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSWL11

**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	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°	68174	68174	68174	68174
5°	65892	68996	69877	68996
10°	64394	70518	71809	70518
15°	64087	72878	74688	72878
20°	62924	73565	76102	73565
25°	61122	71986	74436	71986
30°	57920	67637	70017	67637
35°	52521	60264	61911	60264
40°	45585	49106	50351	49106
45°	37376	33895	34120	33895
50°	29389	19019	18643	19019
55°	21715	9414	8449	9414
60°	15394	4122	3015	4122
65°	11467	2620	1881	2620
70°	8351	2084	1378	2084
75°	6142	1525	932	1525
80°	4104	1389	474	1389
85°	2768	943	943	943



TEST NUMBER: P212803

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.1	5.7
10°-20°	352.6	17.0
20°-30°	526.2	25.3
30°-40°	540.6	26.0
40°-50°	350.1	16.8
50°-60°	130.2	6.3
60°-70°	42.7	2.1
70°-80°	15.1	0.7
80°-90°	2.7	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°	997.9	48.0
0°-40°	1538.5	74.0
0°-60°	2018.8	97.1
0°-90°	2079.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2079.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1244	1244	1244	1244	1244	
5°	1197	1254	1270	1254	1197	113
15°	1129	1284	1316	1284	1129	318
25°	1010	1190	1231	1190	1010	463
35°	785	900	925	900	785	487
45°	482	437	440	437	482	373
55°	227	98	88	98	227	207
65°	88	20	14	20	88	90
75°	29	7	4	7	29	32
85°	4	2	2	2	4	6
90°	0	0	0	0	0	



TEST NUMBER: P212803

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSWL11

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1211.8	1229.1	1217.6	1224.9	1213.2	1213.2	1236.4	1223.4	1233.5	1223.4	1213.2
5°	1197.4	1219.0	1204.5	1211.8	1201.6	1203.1	1224.9	1214.6	1224.9	1217.6	1208.9
7.5°	1180.0	1201.6	1188.6	1195.9	1185.8	1188.6	1211.8	1201.6	1213.2	1206.0	1200.2
10°	1156.8	1180.0	1168.4	1175.6	1166.9	1168.4	1191.5	1184.2	1194.4	1190.1	1185.8
12.5°	1142.2	1164.0	1151.0	1158.2	1152.4	1155.4	1177.0	1171.2	1184.2	1180.0	1177.0
15°	1129.2	1149.5	1138.0	1145.2	1140.9	1142.2	1165.5	1159.6	1174.1	1171.2	1169.8
17.5°	1107.5	1129.2	1116.2	1124.9	1120.6	1122.0	1145.2	1140.9	1155.4	1155.4	1153.9
20°	1078.6	1100.2	1090.1	1096.0	1093.1	1096.0	1116.2	1113.4	1127.9	1127.9	1127.9
22.5°	1046.8	1068.5	1056.9	1062.6	1059.8	1064.1	1083.0	1083.0	1094.5	1096.0	1097.4
25°	1010.5	1032.2	1020.6	1027.9	1025.0	1027.9	1045.2	1046.8	1056.9	1056.9	1059.8
27.5°	967.1	988.9	977.2	983.0	981.6	983.0	1001.9	1004.8	1010.5	1012.0	1014.9
30°	915.0	935.2	923.6	929.5	929.5	929.5	948.2	949.8	955.5	957.0	959.9
32.5°	854.2	871.6	862.9	868.6	867.2	870.1	883.1	888.9	896.1	894.8	896.1
35°	784.8	803.5	794.9	799.1	800.6	805.0	813.6	820.9	822.4	823.8	826.6
37.5°	709.4	728.2	719.5	723.9	725.4	734.0	736.9	744.1	747.0	747.0	747.0
40°	637.0	645.8	638.5	642.9	644.2	651.5	654.4	660.1	663.1	661.6	660.1
42.5°	558.9	566.1	558.9	563.1	563.1	569.0	570.4	577.6	577.6	574.8	570.4
45°	482.1	489.4	482.1	485.0	485.0	490.8	490.8	490.8	493.8	489.4	482.1
47.5°	409.8	417.0	409.8	412.6	411.1	415.5	414.1	415.5	411.1	408.2	399.6
50°	344.6	347.5	344.6	343.1	344.6	347.5	346.0	346.0	340.2	335.9	325.8
52.5°	280.9	285.2	280.9	280.9	280.9	283.8	283.8	282.4	276.5	270.8	260.6
55°	227.2	230.2	228.8	227.2	227.2	230.2	227.2	227.2	221.5	217.1	207.0
57.5°	181.0	182.4	181.0	181.0	181.0	182.4	182.4	179.5	175.1	170.9	163.6
60°	140.4	141.9	141.9	140.4	140.4	143.4	143.4	141.9	137.5	134.6	127.4
62.5°	111.5	111.5	111.5	111.5	111.5	112.9	112.9	112.9	110.0	107.1	101.4
65°	88.4	89.8	88.4	88.4	89.8	91.2	89.8	91.2	88.4	86.9	82.5
67.5°	68.0	69.5	68.0	69.5	69.5	71.0	69.5	71.0	68.0	66.6	63.8
70°	52.1	52.1	52.1	52.1	52.1	53.6	52.1	53.6	52.1	50.6	47.8
72.5°	39.1	39.1	40.5	40.5	39.1	40.5	39.1	39.1	39.1	37.6	36.2
75°	29.0	29.0	30.4	29.0	29.0	29.0	29.0	29.0	27.5	27.5	26.0
77.5°	20.2	20.2	20.2	20.2	20.2	20.2	20.2	20.2	18.9	18.9	17.4
80°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	11.6	11.6
82.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	7.2	7.2
85°	4.4	4.4	4.4	5.8	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



TEST NUMBER: P212803

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1224.9	1229.1	1229.1	1224.9	1235.0	1226.2	1243.6	1227.8	1232.0	1246.5	1245.1
5°	1220.5	1226.2	1227.8	1224.9	1237.9	1230.6	1248.0	1232.0	1239.2	1253.8	1253.8
7.5°	1214.6	1221.9	1224.9	1227.8	1239.2	1232.0	1252.4	1236.4	1246.5	1263.9	1262.5
10°	1201.6	1211.8	1217.6	1221.9	1233.5	1229.1	1250.9	1237.9	1246.5	1266.8	1265.4
12.5°	1194.4	1206.0	1214.6	1221.9	1235.0	1232.0	1253.8	1242.2	1253.8	1274.0	1274.0
15°	1188.6	1201.6	1211.8	1224.9	1237.9	1235.0	1258.1	1248.0	1259.6	1284.1	1282.8
17.5°	1174.1	1190.1	1200.2	1214.6	1227.8	1226.2	1250.9	1243.6	1256.6	1279.9	1281.2
20°	1149.5	1164.0	1175.6	1193.0	1207.5	1204.5	1230.6	1223.4	1236.4	1261.0	1262.5
22.5°	1117.6	1132.1	1143.8	1162.6	1175.6	1174.1	1200.2	1193.0	1206.0	1229.1	1230.6
25°	1080.0	1093.1	1104.6	1122.0	1136.5	1136.5	1159.6	1152.4	1166.9	1190.1	1190.1
27.5°	1033.8	1045.2	1055.4	1075.8	1087.2	1087.2	1109.0	1101.8	1116.2	1136.5	1135.0
30°	977.2	987.4	996.1	1013.5	1023.6	1025.0	1043.9	1036.6	1051.1	1068.5	1068.5
32.5°	909.2	919.4	925.1	946.9	954.1	952.6	967.1	959.9	974.4	993.1	988.9
35°	836.9	841.1	845.5	867.2	870.1	864.4	878.8	871.6	881.8	900.5	897.6
37.5°	754.2	755.8	755.8	774.5	776.0	771.6	780.4	771.6	778.9	796.2	794.9
40°	663.1	661.6	660.1	674.6	673.2	664.5	670.4	663.1	673.2	686.2	679.0
42.5°	570.4	566.1	560.2	567.5	561.8	554.5	557.4	545.9	553.0	563.1	554.5
45°	479.2	470.5	459.0	460.4	453.1	444.5	440.1	428.5	427.1	437.2	430.0
47.5°	393.8	376.4	366.2	360.5	348.9	341.6	333.0	320.0	314.1	320.0	312.8
50°	317.1	299.8	286.6	273.6	262.0	253.4	238.9	230.2	221.5	223.0	217.1
52.5°	250.5	238.9	217.1	207.0	195.5	185.4	172.2	162.1	152.0	152.0	146.2
55°	198.4	182.4	168.0	153.5	141.9	133.2	120.1	110.0	99.9	98.5	92.6
57.5°	153.5	141.9	126.0	111.5	104.2	95.5	82.5	71.0	65.1	60.8	56.5
60°	118.8	107.1	94.1	82.5	73.9	68.0	55.0	46.4	40.5	37.6	33.2
62.5°	95.5	85.4	73.9	62.2	56.5	50.6	40.5	33.2	27.5	24.6	21.8
65°	76.8	68.0	59.4	50.6	46.4	40.5	33.2	27.5	23.1	20.2	17.4
67.5°	59.4	53.6	46.4	40.5	36.2	31.9	26.0	21.8	18.9	15.9	14.5
70°	44.9	40.5	36.2	30.4	27.5	24.6	20.2	15.9	14.5	13.0	11.6
72.5°	34.8	30.4	26.0	23.1	20.2	18.9	15.9	13.0	11.6	10.1	8.6
75°	23.1	21.8	18.9	15.9	14.5	13.0	11.6	10.1	8.6	7.2	7.2
77.5°	15.9	14.5	13.0	11.6	10.1	10.1	8.6	7.2	5.8	5.8	4.4
80°	10.1	8.6	8.6	7.2	7.2	7.2	5.8	4.4	4.4	4.4	2.9
82.5°	7.2	5.8	5.8	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



TEST NUMBER: P212803

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1233.5	1246.5	1246.5	1258.1	1259.6	1256.6	1243.6	1243.6	1261.0	1271.1	1253.8
5°	1245.1	1258.1	1258.1	1269.8	1275.5	1271.1	1258.1	1259.6	1277.0	1288.5	1271.1
7.5°	1255.2	1268.2	1271.1	1284.1	1288.5	1284.1	1271.1	1274.0	1292.9	1303.0	1285.6
10°	1259.6	1272.6	1274.0	1288.5	1294.4	1288.5	1278.4	1279.9	1300.1	1307.4	1291.4
12.5°	1269.8	1282.8	1282.8	1298.6	1304.5	1300.1	1287.1	1290.0	1310.2	1317.5	1301.5
15°	1279.9	1292.9	1292.9	1310.2	1317.5	1311.8	1301.5	1303.0	1323.2	1330.5	1317.5
17.5°	1279.9	1291.4	1291.4	1310.2	1317.5	1313.1	1301.5	1303.0	1324.8	1330.5	1317.5
20°	1261.0	1274.0	1271.1	1290.0	1297.2	1292.9	1282.8	1282.8	1304.5	1310.2	1297.2
22.5°	1230.6	1242.2	1239.2	1256.6	1265.4	1259.6	1250.9	1249.4	1271.1	1277.0	1263.9
25°	1188.6	1200.2	1197.4	1214.6	1223.4	1216.1	1206.0	1207.5	1224.9	1233.5	1221.9
27.5°	1139.4	1146.6	1142.2	1159.6	1168.4	1161.1	1151.0	1152.4	1169.8	1175.6	1166.9
30°	1072.8	1078.6	1074.2	1088.8	1094.5	1090.1	1081.5	1081.5	1097.4	1104.6	1096.0
32.5°	993.1	997.5	993.1	1004.8	1016.4	1007.6	999.0	999.0	1016.4	1022.1	1012.0
35°	900.5	904.9	902.0	913.5	922.2	910.6	903.4	900.5	923.6	920.8	915.0
37.5°	797.8	800.6	791.9	812.2	816.5	803.5	797.8	794.9	815.1	813.6	807.9
40°	681.9	684.8	679.0	693.5	694.9	684.8	680.5	676.1	696.4	694.9	690.6
42.5°	558.9	560.2	553.0	564.6	567.5	557.4	556.0	550.1	569.0	566.1	564.6
45°	431.5	431.5	425.6	434.4	437.2	428.5	425.6	424.2	437.2	437.2	434.4
47.5°	312.8	308.4	301.1	314.1	315.6	309.9	308.4	304.0	317.1	317.1	314.1
50°	214.2	212.9	211.4	214.2	215.8	208.5	212.9	208.5	215.8	215.8	215.8
52.5°	143.4	141.9	139.0	141.9	141.9	137.5	137.5	136.1	141.9	141.9	139.0
55°	89.8	88.4	86.9	88.4	88.4	84.0	86.9	84.0	86.9	86.9	85.4
57.5°	55.0	52.1	52.1	50.6	50.6	47.8	49.2	49.2	49.2	49.2	49.2
60°	31.9	30.4	29.0	29.0	29.0	27.5	27.5	27.5	27.5	27.5	27.5
62.5°	20.2	20.2	18.9	18.9	18.9	18.9	18.9	17.4	18.9	18.9	18.9
65°	17.4	15.9	15.9	15.9	15.9	14.5	14.5	14.5	14.5	14.5	14.5
67.5°	14.5	13.0	13.0	13.0	13.0	11.6	11.6	11.6	11.6	11.6	11.6
70°	11.6	10.1	10.1	10.1	10.1	10.1	8.6	10.1	10.1	8.6	8.6
72.5°	8.6	8.6	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
75°	5.8	5.8	5.8	5.8	5.8	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: P212803

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1274.0	1259.6	1252.4	1266.8	1272.6	1265.4	1259.6	1249.4	1259.6	1265.4	1272.6
5°	1291.4	1278.4	1272.6	1282.8	1291.4	1284.1	1279.9	1269.8	1279.9	1284.1	1291.4
7.5°	1307.4	1294.4	1287.1	1297.2	1307.4	1297.2	1292.9	1284.1	1292.9	1297.2	1307.4
10°	1313.1	1298.6	1292.9	1301.5	1311.8	1301.5	1295.8	1290.0	1295.8	1301.5	1311.8
12.5°	1323.2	1308.8	1301.5	1308.8	1318.9	1308.8	1303.0	1298.6	1303.0	1308.8	1318.9
15°	1337.8	1324.8	1316.0	1323.2	1336.2	1324.8	1317.5	1316.0	1317.5	1324.8	1336.2
17.5°	1337.8	1327.6	1318.9	1324.8	1337.8	1329.0	1318.9	1321.9	1318.9	1329.0	1337.8
20°	1318.9	1308.8	1301.5	1301.5	1320.4	1308.8	1300.1	1304.5	1300.1	1308.8	1320.4
22.5°	1285.6	1277.0	1269.8	1268.2	1287.1	1277.0	1265.4	1274.0	1265.4	1277.0	1287.1
25°	1242.2	1233.5	1227.8	1224.9	1243.6	1232.0	1221.9	1230.6	1221.9	1232.0	1243.6
27.5°	1185.8	1178.5	1172.8	1168.4	1185.8	1175.6	1165.5	1174.1	1165.5	1175.6	1185.8
30°	1113.4	1109.0	1103.2	1097.4	1114.8	1104.6	1094.5	1106.1	1094.5	1104.6	1114.8
32.5°	1029.4	1026.5	1019.2	1013.5	1030.9	1019.2	1012.0	1020.6	1012.0	1019.2	1030.9
35°	932.4	928.0	923.6	913.5	932.4	922.2	922.2	925.1	922.2	922.2	932.4
37.5°	823.8	820.9	815.1	806.4	822.4	815.1	812.2	820.9	812.2	815.1	822.4
40°	702.1	700.8	696.4	686.2	703.6	696.4	692.0	703.6	692.0	696.4	703.6
42.5°	574.8	571.9	567.5	566.1	574.8	569.0	573.4	573.4	573.4	569.0	574.8
45°	443.0	440.1	437.2	431.5	441.6	438.6	437.2	440.1	437.2	438.6	441.6
47.5°	321.4	318.5	315.6	311.2	321.4	317.1	317.1	320.0	317.1	317.1	321.4
50°	215.8	217.1	215.8	212.9	215.8	214.2	215.8	218.6	215.8	214.2	215.8
52.5°	143.4	143.4	140.4	139.0	141.9	140.4	144.8	141.9	144.8	140.4	141.9
55°	86.9	88.4	86.9	85.4	86.9	85.4	89.8	88.4	89.8	85.4	86.9
57.5°	49.2	49.2	50.6	49.2	52.1	50.6	50.6	50.6	50.6	50.6	52.1
60°	27.5	27.5	27.5	27.5	27.5	27.5	29.0	27.5	29.0	27.5	27.5
62.5°	18.9	18.9	18.9	17.4	18.9	17.4	18.9	18.9	18.9	17.4	18.9
65°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5
67.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
70°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
72.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
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: P212803

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1266.8	1252.4	1259.6	1274.0	1253.8	1271.1	1261.0	1243.6	1243.6	1256.6	1259.6
5°	1282.8	1272.6	1278.4	1291.4	1271.1	1288.5	1277.0	1259.6	1258.1	1271.1	1275.5
7.5°	1297.2	1287.1	1294.4	1307.4	1285.6	1303.0	1292.9	1274.0	1271.1	1284.1	1288.5
10°	1301.5	1292.9	1298.6	1313.1	1291.4	1307.4	1300.1	1279.9	1278.4	1288.5	1294.4
12.5°	1308.8	1301.5	1308.8	1323.2	1301.5	1317.5	1310.2	1290.0	1287.1	1300.1	1304.5
15°	1323.2	1316.0	1324.8	1337.8	1317.5	1330.5	1323.2	1303.0	1301.5	1311.8	1317.5
17.5°	1324.8	1318.9	1327.6	1337.8	1317.5	1330.5	1324.8	1303.0	1301.5	1313.1	1317.5
20°	1301.5	1301.5	1308.8	1318.9	1297.2	1310.2	1304.5	1282.8	1282.8	1292.9	1297.2
22.5°	1268.2	1269.8	1277.0	1285.6	1263.9	1277.0	1271.1	1249.4	1250.9	1259.6	1265.4
25°	1224.9	1227.8	1233.5	1242.2	1221.9	1233.5	1224.9	1207.5	1206.0	1216.1	1223.4
27.5°	1168.4	1172.8	1178.5	1185.8	1166.9	1175.6	1169.8	1152.4	1151.0	1161.1	1168.4
30°	1097.4	1103.2	1109.0	1113.4	1096.0	1104.6	1097.4	1081.5	1081.5	1090.1	1094.5
32.5°	1013.5	1019.2	1026.5	1029.4	1012.0	1022.1	1016.4	999.0	999.0	1007.6	1016.4
35°	913.5	923.6	928.0	932.4	915.0	920.8	923.6	900.5	903.4	910.6	922.2
37.5°	806.4	815.1	820.9	823.8	807.9	813.6	815.1	794.9	797.8	803.5	816.5
40°	686.2	696.4	700.8	702.1	690.6	694.9	696.4	676.1	680.5	684.8	694.9
42.5°	566.1	567.5	571.9	574.8	564.6	566.1	569.0	550.1	556.0	557.4	567.5
45°	431.5	437.2	440.1	443.0	434.4	437.2	437.2	424.2	425.6	428.5	437.2
47.5°	311.2	315.6	318.5	321.4	314.1	317.1	317.1	304.0	308.4	309.9	315.6
50°	212.9	215.8	217.1	215.8	215.8	215.8	215.8	208.5	212.9	208.5	215.8
52.5°	139.0	140.4	143.4	143.4	139.0	141.9	141.9	136.1	137.5	137.5	141.9
55°	85.4	86.9	88.4	86.9	85.4	86.9	86.9	84.0	86.9	84.0	88.4
57.5°	49.2	50.6	49.2	49.2	49.2	49.2	49.2	49.2	49.2	47.8	50.6
60°	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	27.5	29.0
62.5°	17.4	18.9	18.9	18.9	18.9	18.9	18.9	17.4	18.9	18.9	18.9
65°	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	14.5	15.9
67.5°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	13.0
70°	8.6	8.6	8.6	8.6	8.6	8.6	10.1	10.1	8.6	10.1	10.1
72.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
75°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	5.8
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: P212803

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1258.1	1246.5	1246.5	1233.5	1245.1	1246.5	1232.0	1227.8	1243.6	1226.2	1235.0
5°	1269.8	1258.1	1258.1	1245.1	1253.8	1253.8	1239.2	1232.0	1248.0	1230.6	1237.9
7.5°	1284.1	1271.1	1268.2	1255.2	1262.5	1263.9	1246.5	1236.4	1252.4	1232.0	1239.2
10°	1288.5	1274.0	1272.6	1259.6	1265.4	1266.8	1246.5	1237.9	1250.9	1229.1	1233.5
12.5°	1298.6	1282.8	1282.8	1269.8	1274.0	1274.0	1253.8	1242.2	1253.8	1232.0	1235.0
15°	1310.2	1292.9	1292.9	1279.9	1282.8	1284.1	1259.6	1248.0	1258.1	1235.0	1237.9
17.5°	1310.2	1291.4	1291.4	1279.9	1281.2	1279.9	1256.6	1243.6	1250.9	1226.2	1227.8
20°	1290.0	1271.1	1274.0	1261.0	1262.5	1261.0	1236.4	1223.4	1230.6	1204.5	1207.5
22.5°	1256.6	1239.2	1242.2	1230.6	1230.6	1229.1	1206.0	1193.0	1200.2	1174.1	1175.6
25°	1214.6	1197.4	1200.2	1188.6	1190.1	1190.1	1166.9	1152.4	1159.6	1136.5	1136.5
27.5°	1159.6	1142.2	1146.6	1139.4	1135.0	1136.5	1116.2	1101.8	1109.0	1087.2	1087.2
30°	1088.8	1074.2	1078.6	1072.8	1068.5	1068.5	1051.1	1036.6	1043.9	1025.0	1023.6
32.5°	1004.8	993.1	997.5	993.1	988.9	993.1	974.4	959.9	967.1	952.6	954.1
35°	913.5	902.0	904.9	900.5	897.6	900.5	881.8	871.6	878.8	864.4	870.1
37.5°	812.2	791.9	800.6	797.8	794.9	796.2	778.9	771.6	780.4	771.6	776.0
40°	693.5	679.0	684.8	681.9	679.0	686.2	673.2	663.1	670.4	664.5	673.2
42.5°	564.6	553.0	560.2	558.9	554.5	563.1	553.0	545.9	557.4	554.5	561.8
45°	434.4	425.6	431.5	431.5	430.0	437.2	427.1	428.5	440.1	444.5	453.1
47.5°	314.1	301.1	308.4	312.8	312.8	320.0	314.1	320.0	333.0	341.6	348.9
50°	214.2	211.4	212.9	214.2	217.1	223.0	221.5	230.2	238.9	253.4	262.0
52.5°	141.9	139.0	141.9	143.4	146.2	152.0	152.0	162.1	172.2	185.4	195.5
55°	88.4	86.9	88.4	89.8	92.6	98.5	99.9	110.0	120.1	133.2	141.9
57.5°	50.6	52.1	52.1	55.0	56.5	60.8	65.1	71.0	82.5	95.5	104.2
60°	29.0	29.0	30.4	31.9	33.2	37.6	40.5	46.4	55.0	68.0	73.9
62.5°	18.9	18.9	20.2	20.2	21.8	24.6	27.5	33.2	40.5	50.6	56.5
65°	15.9	15.9	15.9	17.4	17.4	20.2	23.1	27.5	33.2	40.5	46.4
67.5°	13.0	13.0	13.0	14.5	14.5	15.9	18.9	21.8	26.0	31.9	36.2
70°	10.1	10.1	10.1	11.6	11.6	13.0	14.5	15.9	20.2	24.6	27.5
72.5°	7.2	7.2	8.6	8.6	8.6	10.1	11.6	13.0	15.9	18.9	20.2
75°	5.8	5.8	5.8	5.8	7.2	7.2	8.6	10.1	11.6	13.0	14.5
77.5°	2.9	2.9	4.4	4.4	4.4	5.8	5.8	7.2	8.6	10.1	10.1
80°	2.9	2.9	2.9	2.9	2.9	4.4	4.4	4.4	5.8	7.2	7.2
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: P212803

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6	1243.6
2.5°	1224.9	1229.1	1229.1	1224.9	1213.2	1223.4	1233.5	1223.4	1236.4	1213.2	1213.2
5°	1224.9	1227.8	1226.2	1220.5	1208.9	1217.6	1224.9	1214.6	1224.9	1203.1	1201.6
7.5°	1227.8	1224.9	1221.9	1214.6	1200.2	1206.0	1213.2	1201.6	1211.8	1188.6	1185.8
10°	1221.9	1217.6	1211.8	1201.6	1185.8	1190.1	1194.4	1184.2	1191.5	1168.4	1166.9
12.5°	1221.9	1214.6	1206.0	1194.4	1177.0	1180.0	1184.2	1171.2	1177.0	1155.4	1152.4
15°	1224.9	1211.8	1201.6	1188.6	1169.8	1171.2	1174.1	1159.6	1165.5	1142.2	1140.9
17.5°	1214.6	1200.2	1190.1	1174.1	1153.9	1155.4	1155.4	1140.9	1145.2	1122.0	1120.6
20°	1193.0	1175.6	1164.0	1149.5	1127.9	1127.9	1127.9	1113.4	1116.2	1096.0	1093.1
22.5°	1162.6	1143.8	1132.1	1117.6	1097.4	1096.0	1094.5	1083.0	1083.0	1064.1	1059.8
25°	1122.0	1104.6	1093.1	1080.0	1059.8	1056.9	1056.9	1046.8	1045.2	1027.9	1025.0
27.5°	1075.8	1055.4	1045.2	1033.8	1014.9	1012.0	1010.5	1004.8	1001.9	983.0	981.6
30°	1013.5	996.1	987.4	977.2	959.9	957.0	955.5	949.8	948.2	929.5	929.5
32.5°	946.9	925.1	919.4	909.2	896.1	894.8	896.1	888.9	883.1	870.1	867.2
35°	867.2	845.5	841.1	836.9	826.6	823.8	822.4	820.9	813.6	805.0	800.6
37.5°	774.5	755.8	755.8	754.2	747.0	747.0	747.0	744.1	736.9	734.0	725.4
40°	674.6	660.1	661.6	663.1	660.1	661.6	663.1	660.1	654.4	651.5	644.2
42.5°	567.5	560.2	566.1	570.4	570.4	574.8	577.6	577.6	570.4	569.0	563.1
45°	460.4	459.0	470.5	479.2	482.1	489.4	493.8	490.8	490.8	490.8	485.0
47.5°	360.5	366.2	376.4	393.8	399.6	408.2	411.1	415.5	414.1	415.5	411.1
50°	273.6	286.6	299.8	317.1	325.8	335.9	340.2	346.0	346.0	347.5	344.6
52.5°	207.0	217.1	238.9	250.5	260.6	270.8	276.5	282.4	283.8	283.8	280.9
55°	153.5	168.0	182.4	198.4	207.0	217.1	221.5	227.2	227.2	230.2	227.2
57.5°	111.5	126.0	141.9	153.5	163.6	170.9	175.1	179.5	182.4	182.4	181.0
60°	82.5	94.1	107.1	118.8	127.4	134.6	137.5	141.9	143.4	143.4	140.4
62.5°	62.2	73.9	85.4	95.5	101.4	107.1	110.0	112.9	112.9	112.9	111.5
65°	50.6	59.4	68.0	76.8	82.5	86.9	88.4	91.2	89.8	91.2	89.8
67.5°	40.5	46.4	53.6	59.4	63.8	66.6	68.0	71.0	69.5	71.0	69.5
70°	30.4	36.2	40.5	44.9	47.8	50.6	52.1	53.6	52.1	53.6	52.1
72.5°	23.1	26.0	30.4	34.8	36.2	37.6	39.1	39.1	39.1	40.5	39.1
75°	15.9	18.9	21.8	23.1	26.0	27.5	27.5	29.0	29.0	29.0	29.0
77.5°	11.6	13.0	14.5	15.9	17.4	18.9	18.9	20.2	20.2	20.2	20.2
80°	7.2	8.6	8.6	10.1	11.6	11.6	13.0	13.0	13.0	13.0	13.0
82.5°	4.4	5.8	5.8	7.2	7.2	7.2	8.6	8.6	8.6	8.6	8.6
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: P212803

CATALOG NUMBER: LE\_6B20D010 EC6B10209030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1243.6	1243.6	1243.6	1243.6
2.5°	1224.9	1217.6	1229.1	1211.8
5°	1211.8	1204.5	1219.0	1197.4
7.5°	1195.9	1188.6	1201.6	1180.0
10°	1175.6	1168.4	1180.0	1156.8
12.5°	1158.2	1151.0	1164.0	1142.2
15°	<i>1145.2</i>	<i>1138.0</i>	<i>1149.5</i>	<i>1129.2</i>
17.5°	1124.9	1116.2	1129.2	1107.5
20°	1096.0	1090.1	1100.2	1078.6
22.5°	1062.6	1056.9	1068.5	1046.8
25°	1027.9	1020.6	1032.2	1010.5
27.5°	983.0	977.2	988.9	967.1
30°	929.5	923.6	935.2	915.0
32.5°	868.6	862.9	871.6	854.2
35°	799.1	794.9	803.5	784.8
37.5°	723.9	719.5	728.2	709.4
40°	642.9	638.5	645.8	637.0
42.5°	563.1	558.9	566.1	558.9
45°	485.0	482.1	489.4	482.1
47.5°	412.6	409.8	417.0	409.8
50°	343.1	344.6	347.5	344.6
52.5°	280.9	280.9	285.2	280.9
55°	227.2	228.8	230.2	227.2
57.5°	181.0	181.0	182.4	181.0
60°	140.4	141.9	141.9	140.4
62.5°	111.5	111.5	111.5	111.5
65°	88.4	88.4	89.8	88.4
67.5°	69.5	68.0	69.5	68.0
70°	52.1	52.1	52.1	52.1
72.5°	40.5	40.5	39.1	39.1
75°	29.0	30.4	29.0	29.0
77.5°	20.2	20.2	20.2	20.2
80°	13.0	13.0	13.0	13.0
82.5°	8.6	8.6	8.6	8.6
85°	5.8	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



Report Generated By E9808895 / USPTCWHP6082093





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

























(END OF REPORT)