

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: P212806

Luminaire Tested: **LE_6B20D010 EC6B10209050 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212806
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 EC6B10209050 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2121.4 lumens
Efficiency: N/A
Efficacy: 102.0 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

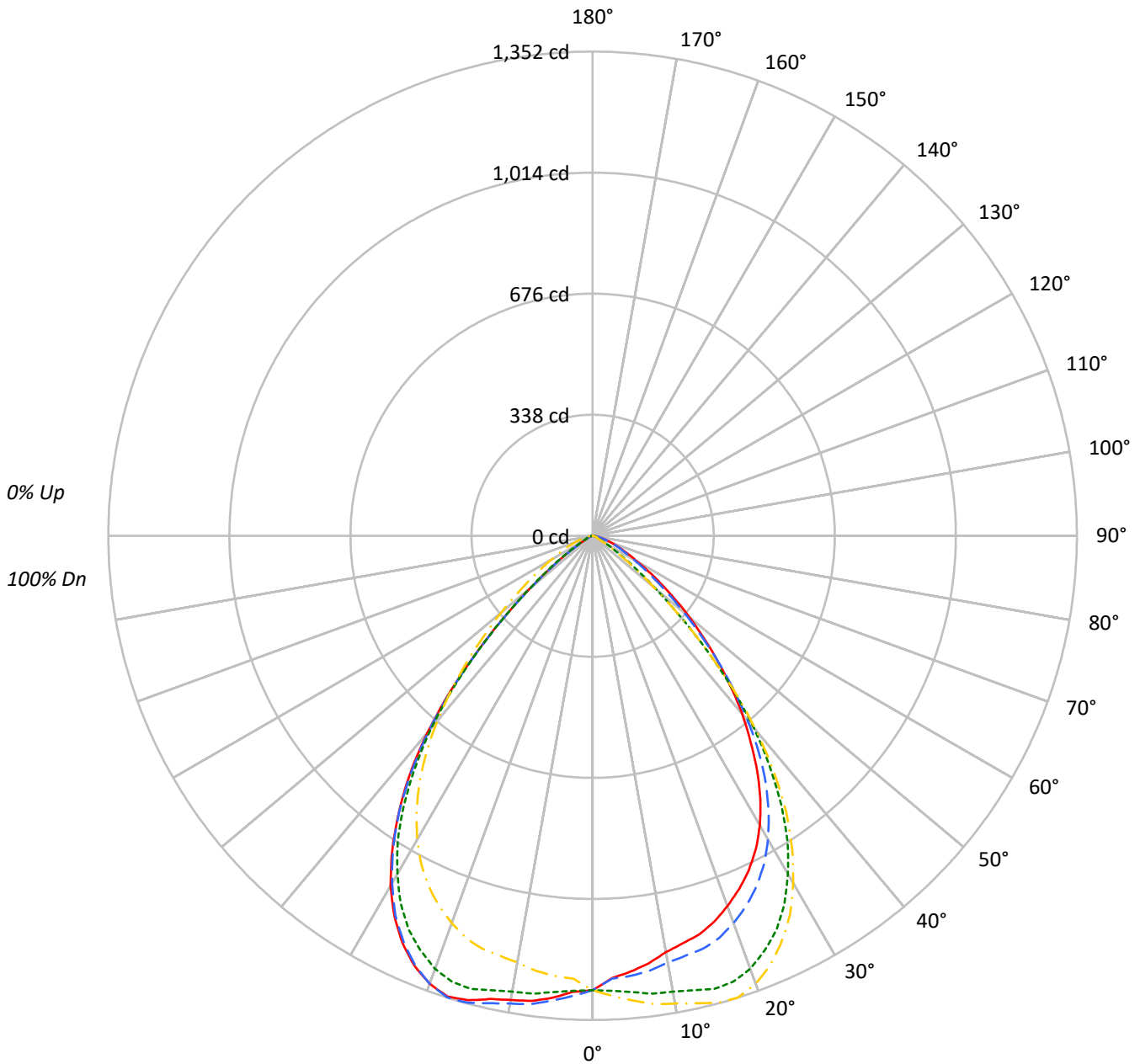
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	69561	69561	69561	69561
5°	67219	70388	71285	70388
10°	65697	71948	73262	71948
15°	65386	74353	76198	74353
20°	64196	75052	77643	75052
25°	62362	73438	75942	73438
30°	59091	69004	71435	69004
35°	53579	61489	63169	61489
40°	46509	50101	51375	50101
45°	38136	34585	34810	34585
50°	29978	19402	19019	19402
55°	22164	9605	8611	9605
60°	15700	4210	3081	4210
65°	11687	2672	1920	2672
70°	8511	2116	1427	2116
75°	6248	1567	932	1567
80°	4167	1389	474	1389
85°	2768	943	943	943



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.5	5.7
10°-20°	359.8	17.0
20°-30°	536.9	25.3
30°-40°	551.6	26.0
40°-50°	357.2	16.8
50°-60°	132.8	6.3
60°-70°	43.6	2.1
70°-80°	15.4	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°	1018.1	48.0
0°-40°	1569.7	74.0
0°-60°	2059.7	97.1
0°-90°	2121.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2121.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1269	1269	1269	1269	1269	
5°	1222	1279	1295	1279	1222	115
15°	1152	1310	1343	1310	1152	324
25°	1031	1214	1256	1214	1031	473
35°	801	919	944	919	801	497
45°	492	446	449	446	492	380
55°	232	100	90	100	232	211
65°	90	21	15	21	90	92
75°	30	7	4	7	30	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°	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9
2.5°	1236.4	1254.0	1242.2	1249.6	1237.8	1237.8	1261.5	1248.1	1258.5	1248.1	1237.8
5°	1221.5	1243.8	1229.0	1236.4	1226.0	1227.5	1249.6	1239.2	1249.6	1242.2	1233.4
7.5°	1203.9	1226.0	1212.8	1220.1	1209.8	1212.8	1236.4	1226.0	1237.8	1230.4	1224.5
10°	1180.2	1203.9	1192.0	1199.4	1190.5	1192.0	1215.6	1208.2	1218.6	1214.1	1209.8
12.5°	1165.4	1187.6	1174.2	1181.6	1175.8	1178.8	1200.9	1195.0	1208.2	1203.9	1200.9
15°	1152.1	1172.9	1161.0	1168.4	1164.0	1165.4	1189.0	1183.1	1197.9	1195.0	1193.5
17.5°	1130.0	1152.1	1138.9	1147.8	1143.2	1144.8	1168.4	1164.0	1178.8	1178.8	1177.2
20°	1100.4	1122.6	1112.2	1118.1	1115.2	1118.1	1138.9	1135.9	1150.6	1150.6	1150.6
22.5°	1068.0	1090.1	1078.2	1084.1	1081.2	1085.6	1104.9	1104.9	1116.6	1118.1	1119.6
25°	1031.0	1053.1	1041.4	1048.8	1045.8	1048.8	1066.5	1068.0	1078.2	1078.2	1081.2
27.5°	986.8	1008.9	997.0	1003.0	1001.5	1003.0	1022.1	1025.1	1031.0	1032.5	1035.5
30°	933.5	954.2	942.4	948.2	948.2	948.2	967.5	969.0	974.9	976.4	979.4
32.5°	871.5	889.2	880.4	886.2	884.8	887.8	901.0	906.9	914.4	912.9	914.4
35°	800.6	819.8	810.9	815.4	816.9	821.2	830.1	837.5	839.0	840.5	843.4
37.5°	723.8	743.0	734.1	738.5	740.0	748.9	751.9	759.2	762.1	762.1	762.1
40°	649.9	658.8	651.4	655.9	657.2	664.8	667.6	673.5	676.5	675.0	673.5
42.5°	570.1	577.5	570.1	574.6	574.6	580.5	582.0	589.4	589.4	586.4	582.0
45°	491.9	499.2	491.9	494.9	494.9	500.8	500.8	500.8	503.8	499.2	491.9
47.5°	418.0	425.4	418.0	421.0	419.5	423.9	422.5	423.9	419.5	416.5	407.6
50°	351.5	354.5	351.5	350.1	351.5	354.5	353.0	353.0	347.1	342.6	332.4
52.5°	286.5	291.0	286.5	286.5	286.5	289.5	289.5	288.0	282.1	276.2	265.9
55°	231.9	234.9	233.4	231.9	231.9	234.9	231.9	231.9	226.0	221.6	211.2
57.5°	184.6	186.1	184.6	184.6	184.6	186.1	186.1	183.1	178.8	174.2	166.9
60°	143.2	144.8	144.8	143.2	143.2	146.2	146.2	144.8	140.4	137.4	130.0
62.5°	113.8	113.8	113.8	113.8	113.8	115.2	115.2	115.2	112.2	109.2	103.4
65°	90.1	91.6	90.1	90.1	91.6	93.0	91.6	93.0	90.1	88.6	84.2
67.5°	69.4	70.9	69.4	70.9	70.9	72.4	70.9	72.4	69.4	68.0	65.0
70°	53.1	53.1	53.1	53.1	53.1	54.6	53.1	54.6	53.1	51.8	48.8
72.5°	39.9	39.9	41.4	41.4	39.9	41.4	39.9	39.9	39.9	38.4	36.9
75°	29.5	29.5	31.0	29.5	29.5	29.5	29.5	29.5	28.1	28.1	26.6
77.5°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	19.2	19.2	17.8
80°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	13.2	11.9	11.9
82.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	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	3.0	1.5	1.5	3.0	3.0	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°	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9
2.5°	1249.6	1254.0	1254.0	1249.6	1260.0	1251.1	1268.9	1252.6	1257.0	1271.8	1270.2
5°	1245.2	1251.1	1252.6	1249.6	1262.9	1255.5	1273.2	1257.0	1264.4	1279.1	1279.1
7.5°	1239.2	1246.6	1249.6	1252.6	1264.4	1257.0	1277.6	1261.5	1271.8	1289.5	1288.0
10°	1226.0	1236.4	1242.2	1246.6	1258.5	1254.0	1276.2	1262.9	1271.8	1292.5	1291.0
12.5°	1218.6	1230.4	1239.2	1246.6	1260.0	1257.0	1279.1	1267.4	1279.1	1299.9	1299.9
15°	1212.8	1226.0	1236.4	1249.6	1262.9	1260.0	1283.6	1273.2	1285.1	1310.1	1308.8
17.5°	1197.9	1214.1	1224.5	1239.2	1252.6	1251.1	1276.2	1268.9	1282.1	1305.8	1307.2
20°	1172.9	1187.6	1199.4	1217.1	1231.9	1229.0	1255.5	1248.1	1261.5	1286.5	1288.0
22.5°	1140.4	1155.1	1166.9	1186.1	1199.4	1197.9	1224.5	1217.1	1230.4	1254.0	1255.5
25°	1101.9	1115.2	1127.0	1144.8	1159.5	1159.5	1183.1	1175.8	1190.5	1214.1	1214.1
27.5°	1054.6	1066.5	1076.8	1097.5	1109.2	1109.2	1131.5	1124.1	1138.9	1159.5	1158.0
30°	997.0	1007.4	1016.2	1034.0	1044.2	1045.8	1065.0	1057.6	1072.4	1090.1	1090.1
32.5°	927.6	938.0	943.9	966.0	973.4	971.9	986.8	979.4	994.1	1013.2	1008.9
35°	853.8	858.2	862.6	884.8	887.8	881.9	896.6	889.2	899.5	918.8	915.8
37.5°	769.6	771.0	771.0	790.2	791.8	787.2	796.1	787.2	794.6	812.4	810.9
40°	676.5	675.0	673.5	688.4	686.9	678.0	683.9	676.5	686.9	700.1	692.8
42.5°	582.0	577.5	571.6	579.0	573.1	565.8	568.6	556.9	564.2	574.6	565.8
45°	488.9	480.0	468.2	469.8	462.4	453.5	449.0	437.2	435.8	446.1	438.8
47.5°	401.8	384.0	373.8	367.8	356.0	348.6	339.8	326.5	320.5	326.5	319.0
50°	323.5	305.8	292.5	279.1	267.4	258.5	243.8	234.9	226.0	227.5	221.6
52.5°	255.5	243.8	221.6	211.2	199.4	189.1	175.8	165.4	155.1	155.1	149.1
55°	202.4	186.1	171.4	156.6	144.8	135.9	122.6	112.2	101.9	100.5	94.5
57.5°	156.6	144.8	128.5	113.8	106.4	97.5	84.2	72.4	66.5	62.0	57.6
60°	121.1	109.2	96.0	84.2	75.4	69.4	56.1	47.2	41.4	38.4	34.0
62.5°	97.5	87.1	75.4	63.5	57.6	51.8	41.4	34.0	28.1	25.1	22.1
65°	78.2	69.4	60.5	51.8	47.2	41.4	34.0	28.1	23.6	20.6	17.8
67.5°	60.5	54.6	47.2	41.4	36.9	32.5	26.6	22.1	19.2	16.2	14.8
70°	45.8	41.4	36.9	31.0	28.1	25.1	20.6	16.2	14.8	13.2	11.9
72.5°	35.5	31.0	26.6	23.6	20.6	19.2	16.2	13.2	11.9	10.4	8.9
75°	23.6	22.1	19.2	16.2	14.8	13.2	11.9	10.4	8.9	7.4	7.4
77.5°	16.2	14.8	13.2	11.9	10.4	10.4	8.9	7.4	5.9	5.9	4.4
80°	10.4	8.9	8.9	7.4	7.4	7.4	5.9	4.4	4.4	4.4	3.0
82.5°	7.4	5.9	5.9	4.4	4.4	4.4	4.4	3.0	3.0	3.0	1.5
85°	4.4	3.0	3.0	3.0	3.0	3.0	3.0	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°	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9
2.5°	1258.5	1271.8	1271.8	1283.6	1285.1	1282.1	1268.9	1268.9	1286.5	1296.9	1279.1
5°	1270.2	1283.6	1283.6	1295.4	1301.4	1296.9	1283.6	1285.1	1302.8	1314.6	1296.9
7.5°	1280.6	1293.9	1296.9	1310.1	1314.6	1310.1	1296.9	1299.9	1319.0	1329.4	1311.6
10°	1285.1	1298.4	1299.9	1314.6	1320.5	1314.6	1304.2	1305.8	1326.4	1333.9	1317.6
12.5°	1295.4	1308.8	1308.8	1325.0	1330.9	1326.4	1313.1	1316.1	1336.8	1344.1	1327.9
15°	1305.8	1319.0	1319.0	1336.8	1344.1	1338.2	1327.9	1329.4	1350.1	1357.5	1344.1
17.5°	1305.8	1317.6	1317.6	1336.8	1344.1	1339.8	1327.9	1329.4	1351.5	1357.5	1344.1
20°	1286.5	1299.9	1296.9	1316.1	1323.5	1319.0	1308.8	1308.8	1330.9	1336.8	1323.5
22.5°	1255.5	1267.4	1264.4	1282.1	1291.0	1285.1	1276.2	1274.8	1296.9	1302.8	1289.5
25°	1212.8	1224.5	1221.5	1239.2	1248.1	1240.8	1230.4	1231.9	1249.6	1258.5	1246.6
27.5°	1162.5	1169.9	1165.4	1183.1	1192.0	1184.6	1174.2	1175.8	1193.5	1199.4	1190.5
30°	1094.5	1100.4	1096.0	1110.8	1116.6	1112.2	1103.4	1103.4	1119.6	1127.0	1118.1
32.5°	1013.2	1017.8	1013.2	1025.1	1036.9	1028.0	1019.2	1019.2	1036.9	1042.9	1032.5
35°	918.8	923.1	920.2	932.0	940.9	929.1	921.8	918.8	942.4	939.4	933.5
37.5°	813.9	816.9	808.0	828.6	833.1	819.8	813.9	810.9	831.6	830.1	824.2
40°	695.8	698.6	692.8	707.5	709.0	698.6	694.2	689.8	710.5	709.0	704.6
42.5°	570.1	571.6	564.2	576.1	579.0	568.6	567.2	561.2	580.5	577.5	576.1
45°	440.1	440.1	434.2	443.1	446.1	437.2	434.2	432.8	446.1	446.1	443.1
47.5°	319.0	314.6	307.2	320.5	322.0	316.1	314.6	310.2	323.5	323.5	320.5
50°	218.6	217.1	215.6	218.6	220.1	212.8	217.1	212.8	220.1	220.1	220.1
52.5°	146.2	144.8	141.8	144.8	144.8	140.4	140.4	138.9	144.8	144.8	141.8
55°	91.6	90.1	88.6	90.1	90.1	85.6	88.6	85.6	88.6	88.6	87.1
57.5°	56.1	53.1	53.1	51.8	51.8	48.8	50.2	50.2	50.2	50.2	50.2
60°	32.5	31.0	29.5	29.5	29.5	28.1	28.1	28.1	28.1	28.1	28.1
62.5°	20.6	20.6	19.2	19.2	19.2	19.2	19.2	17.8	19.2	19.2	19.2
65°	17.8	16.2	16.2	16.2	16.2	14.8	14.8	14.8	14.8	14.8	14.8
67.5°	14.8	13.2	13.2	13.2	13.2	11.9	11.9	11.9	11.9	11.9	11.9
70°	11.9	10.4	10.4	10.4	10.4	10.4	8.9	10.4	10.4	8.9	8.9
72.5°	8.9	8.9	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	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
80°	3.0	3.0	3.0	3.0	3.0	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: P212806

CATALOG NUMBER: LE_6B20D010 EC6B10209050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9
2.5°	1299.9	1285.1	1277.6	1292.5	1298.4	1291.0	1285.1	1274.8	1285.1	1291.0	1298.4
5°	1317.6	1304.2	1298.4	1308.8	1317.6	1310.1	1305.8	1295.4	1305.8	1310.1	1317.6
7.5°	1333.9	1320.5	1313.1	1323.5	1333.9	1323.5	1319.0	1310.1	1319.0	1323.5	1333.9
10°	1339.8	1325.0	1319.0	1327.9	1338.2	1327.9	1322.0	1316.1	1322.0	1327.9	1338.2
12.5°	1350.1	1335.2	1327.9	1335.2	1345.6	1335.2	1329.4	1325.0	1329.4	1335.2	1345.6
15°	1364.9	1351.5	1342.6	1350.1	1363.4	1351.5	1344.1	1342.6	1344.1	1351.5	1363.4
17.5°	1364.9	1354.5	1345.6	1351.5	1364.9	1356.0	1345.6	1348.6	1345.6	1356.0	1364.9
20°	1345.6	1335.2	1327.9	1327.9	1347.1	1335.2	1326.4	1330.9	1326.4	1335.2	1347.1
22.5°	1311.6	1302.8	1295.4	1293.9	1313.1	1302.8	1291.0	1299.9	1291.0	1302.8	1313.1
25°	1267.4	1258.5	1252.6	1249.6	1268.9	1257.0	1246.6	1255.5	1246.6	1257.0	1268.9
27.5°	1209.8	1202.4	1196.5	1192.0	1209.8	1199.4	1189.0	1197.9	1189.0	1199.4	1209.8
30°	1135.9	1131.5	1125.5	1119.6	1137.4	1127.0	1116.6	1128.5	1116.6	1127.0	1137.4
32.5°	1050.2	1047.2	1039.9	1034.0	1051.8	1039.9	1032.5	1041.4	1032.5	1039.9	1051.8
35°	951.2	946.9	942.4	932.0	951.2	940.9	940.9	943.9	940.9	940.9	951.2
37.5°	840.5	837.5	831.6	822.8	839.0	831.6	828.6	837.5	828.6	831.6	839.0
40°	716.4	714.9	710.5	700.1	717.9	710.5	706.0	717.9	706.0	710.5	717.9
42.5°	586.4	583.5	579.0	577.5	586.4	580.5	584.9	584.9	584.9	580.5	586.4
45°	452.0	449.0	446.1	440.1	450.5	447.5	446.1	449.0	446.1	447.5	450.5
47.5°	327.9	325.0	322.0	317.6	327.9	323.5	323.5	326.5	323.5	323.5	327.9
50°	220.1	221.6	220.1	217.1	220.1	218.6	220.1	223.0	220.1	218.6	220.1
52.5°	146.2	146.2	143.2	141.8	144.8	143.2	147.8	144.8	147.8	143.2	144.8
55°	88.6	90.1	88.6	87.1	88.6	87.1	91.6	90.1	91.6	87.1	88.6
57.5°	50.2	50.2	51.8	50.2	53.1	51.8	51.8	51.8	51.8	51.8	53.1
60°	28.1	28.1	28.1	28.1	28.1	28.1	29.5	28.1	29.5	28.1	28.1
62.5°	19.2	19.2	19.2	17.8	19.2	17.8	19.2	19.2	19.2	17.8	19.2
65°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8
67.5°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9
70°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
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: P212806

CATALOG NUMBER: LE_6B20D010 EC6B10209050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9
2.5°	1292.5	1277.6	1285.1	1299.9	1279.1	1296.9	1286.5	1268.9	1268.9	1282.1	1285.1
5°	1308.8	1298.4	1304.2	1317.6	1296.9	1314.6	1302.8	1285.1	1283.6	1296.9	1301.4
7.5°	1323.5	1313.1	1320.5	1333.9	1311.6	1329.4	1319.0	1299.9	1296.9	1310.1	1314.6
10°	1327.9	1319.0	1325.0	1339.8	1317.6	1333.9	1326.4	1305.8	1304.2	1314.6	1320.5
12.5°	1335.2	1327.9	1335.2	1350.1	1327.9	1344.1	1336.8	1316.1	1313.1	1326.4	1330.9
15°	1350.1	1342.6	1351.5	1364.9	1344.1	1357.5	1350.1	1329.4	1327.9	1338.2	1344.1
17.5°	1351.5	1345.6	1354.5	1364.9	1344.1	1357.5	1351.5	1329.4	1327.9	1339.8	1344.1
20°	1327.9	1327.9	1335.2	1345.6	1323.5	1336.8	1330.9	1308.8	1308.8	1319.0	1323.5
22.5°	1293.9	1295.4	1302.8	1311.6	1289.5	1302.8	1296.9	1274.8	1276.2	1285.1	1291.0
25°	1249.6	1252.6	1258.5	1267.4	1246.6	1258.5	1249.6	1231.9	1230.4	1240.8	1248.1
27.5°	1192.0	1196.5	1202.4	1209.8	1190.5	1199.4	1193.5	1175.8	1174.2	1184.6	1192.0
30°	1119.6	1125.5	1131.5	1135.9	1118.1	1127.0	1119.6	1103.4	1103.4	1112.2	1116.6
32.5°	1034.0	1039.9	1047.2	1050.2	1032.5	1042.9	1036.9	1019.2	1019.2	1028.0	1036.9
35°	932.0	942.4	946.9	951.2	933.5	939.4	942.4	918.8	921.8	929.1	940.9
37.5°	822.8	831.6	837.5	840.5	824.2	830.1	831.6	810.9	813.9	819.8	833.1
40°	700.1	710.5	714.9	716.4	704.6	709.0	710.5	689.8	694.2	698.6	709.0
42.5°	577.5	579.0	583.5	586.4	576.1	577.5	580.5	561.2	567.2	568.6	579.0
45°	440.1	446.1	449.0	452.0	443.1	446.1	446.1	432.8	434.2	437.2	446.1
47.5°	317.6	322.0	325.0	327.9	320.5	323.5	323.5	310.2	314.6	316.1	322.0
50°	217.1	220.1	221.6	220.1	220.1	220.1	220.1	212.8	217.1	212.8	220.1
52.5°	141.8	143.2	146.2	146.2	141.8	144.8	144.8	138.9	140.4	140.4	144.8
55°	87.1	88.6	90.1	88.6	87.1	88.6	88.6	85.6	88.6	85.6	90.1
57.5°	50.2	51.8	50.2	50.2	50.2	50.2	50.2	50.2	50.2	48.8	51.8
60°	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	28.1	29.5
62.5°	17.8	19.2	19.2	19.2	19.2	19.2	19.2	17.8	19.2	19.2	19.2
65°	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	14.8	16.2
67.5°	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	11.9	13.2
70°	8.9	8.9	8.9	8.9	8.9	8.9	10.4	10.4	8.9	10.4	10.4
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
80°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0
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: P212806

CATALOG NUMBER: LE_6B20D010 EC6B10209050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9
2.5°	1283.6	1271.8	1271.8	1258.5	1270.2	1271.8	1257.0	1252.6	1268.9	1251.1	1260.0
5°	1295.4	1283.6	1283.6	1270.2	1279.1	1279.1	1264.4	1257.0	1273.2	1255.5	1262.9
7.5°	1310.1	1296.9	1293.9	1280.6	1288.0	1289.5	1271.8	1261.5	1277.6	1257.0	1264.4
10°	1314.6	1299.9	1298.4	1285.1	1291.0	1292.5	1271.8	1262.9	1276.2	1254.0	1258.5
12.5°	1325.0	1308.8	1308.8	1295.4	1299.9	1299.9	1279.1	1267.4	1279.1	1257.0	1260.0
15°	1336.8	1319.0	1319.0	1305.8	1308.8	1310.1	1285.1	1273.2	1283.6	1260.0	1262.9
17.5°	1336.8	1317.6	1317.6	1305.8	1307.2	1305.8	1282.1	1268.9	1276.2	1251.1	1252.6
20°	1316.1	1296.9	1299.9	1286.5	1288.0	1286.5	1261.5	1248.1	1255.5	1229.0	1231.9
22.5°	1282.1	1264.4	1267.4	1255.5	1255.5	1254.0	1230.4	1217.1	1224.5	1197.9	1199.4
25°	1239.2	1221.5	1224.5	1212.8	1214.1	1214.1	1190.5	1175.8	1183.1	1159.5	1159.5
27.5°	1183.1	1165.4	1169.9	1162.5	1158.0	1159.5	1138.9	1124.1	1131.5	1109.2	1109.2
30°	1110.8	1096.0	1100.4	1094.5	1090.1	1090.1	1072.4	1057.6	1065.0	1045.8	1044.2
32.5°	1025.1	1013.2	1017.8	1013.2	1008.9	1013.2	994.1	979.4	986.8	971.9	973.4
35°	932.0	920.2	923.1	918.8	915.8	918.8	899.5	889.2	896.6	881.9	887.8
37.5°	828.6	808.0	816.9	813.9	810.9	812.4	794.6	787.2	796.1	787.2	791.8
40°	707.5	692.8	698.6	695.8	692.8	700.1	686.9	676.5	683.9	678.0	686.9
42.5°	576.1	564.2	571.6	570.1	565.8	574.6	564.2	556.9	568.6	565.8	573.1
45°	443.1	434.2	440.1	440.1	438.8	446.1	435.8	437.2	449.0	453.5	462.4
47.5°	320.5	307.2	314.6	319.0	319.0	326.5	320.5	326.5	339.8	348.6	356.0
50°	218.6	215.6	217.1	218.6	221.6	227.5	226.0	234.9	243.8	258.5	267.4
52.5°	144.8	141.8	144.8	146.2	149.1	155.1	155.1	165.4	175.8	189.1	199.4
55°	90.1	88.6	90.1	91.6	94.5	100.5	101.9	112.2	122.6	135.9	144.8
57.5°	51.8	53.1	53.1	56.1	57.6	62.0	66.5	72.4	84.2	97.5	106.4
60°	29.5	29.5	31.0	32.5	34.0	38.4	41.4	47.2	56.1	69.4	75.4
62.5°	19.2	19.2	20.6	20.6	22.1	25.1	28.1	34.0	41.4	51.8	57.6
65°	16.2	16.2	16.2	17.8	17.8	20.6	23.6	28.1	34.0	41.4	47.2
67.5°	13.2	13.2	13.2	14.8	14.8	16.2	19.2	22.1	26.6	32.5	36.9
70°	10.4	10.4	10.4	11.9	11.9	13.2	14.8	16.2	20.6	25.1	28.1
72.5°	7.4	7.4	8.9	8.9	8.9	10.4	11.9	13.2	16.2	19.2	20.6
75°	5.9	5.9	5.9	5.9	7.4	7.4	8.9	10.4	11.9	13.2	14.8
77.5°	3.0	3.0	4.4	4.4	4.4	5.9	5.9	7.4	8.9	10.4	10.4
80°	3.0	3.0	3.0	3.0	3.0	4.4	4.4	4.4	5.9	7.4	7.4
82.5°	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0	4.4	4.4	4.4
85°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0	3.0	3.0
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: P212806

CATALOG NUMBER: LE_6B20D010 EC6B10209050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9	1268.9
2.5°	1249.6	1254.0	1254.0	1249.6	1237.8	1248.1	1258.5	1248.1	1261.5	1237.8	1237.8
5°	1249.6	1252.6	1251.1	1245.2	1233.4	1242.2	1249.6	1239.2	1249.6	1227.5	1226.0
7.5°	1252.6	1249.6	1246.6	1239.2	1224.5	1230.4	1237.8	1226.0	1236.4	1212.8	1209.8
10°	1246.6	1242.2	1236.4	1226.0	1209.8	1214.1	1218.6	1208.2	1215.6	1192.0	1190.5
12.5°	1246.6	1239.2	1230.4	1218.6	1200.9	1203.9	1208.2	1195.0	1200.9	1178.8	1175.8
15°	1249.6	1236.4	1226.0	1212.8	1193.5	1195.0	1197.9	1183.1	1189.0	1165.4	1164.0
17.5°	1239.2	1224.5	1214.1	1197.9	1177.2	1178.8	1178.8	1164.0	1168.4	1144.8	1143.2
20°	1217.1	1199.4	1187.6	1172.9	1150.6	1150.6	1150.6	1135.9	1138.9	1118.1	1115.2
22.5°	1186.1	1166.9	1155.1	1140.4	1119.6	1118.1	1116.6	1104.9	1104.9	1085.6	1081.2
25°	1144.8	1127.0	1115.2	1101.9	1081.2	1078.2	1078.2	1068.0	1066.5	1048.8	1045.8
27.5°	1097.5	1076.8	1066.5	1054.6	1035.5	1032.5	1031.0	1025.1	1022.1	1003.0	1001.5
30°	1034.0	1016.2	1007.4	997.0	979.4	976.4	974.9	969.0	967.5	948.2	948.2
32.5°	966.0	943.9	938.0	927.6	914.4	912.9	914.4	906.9	901.0	887.8	884.8
35°	884.8	862.6	858.2	853.8	843.4	840.5	839.0	837.5	830.1	821.2	816.9
37.5°	790.2	771.0	771.0	769.6	762.1	762.1	762.1	759.2	751.9	748.9	740.0
40°	688.4	673.5	675.0	676.5	673.5	675.0	676.5	673.5	667.6	664.8	657.2
42.5°	579.0	571.6	577.5	582.0	582.0	586.4	589.4	589.4	582.0	580.5	574.6
45°	469.8	468.2	480.0	488.9	491.9	499.2	503.8	500.8	500.8	500.8	494.9
47.5°	367.8	373.8	384.0	401.8	407.6	416.5	419.5	423.9	422.5	423.9	419.5
50°	279.1	292.5	305.8	323.5	332.4	342.6	347.1	353.0	353.0	354.5	351.5
52.5°	211.2	221.6	243.8	255.5	265.9	276.2	282.1	288.0	289.5	289.5	286.5
55°	156.6	171.4	186.1	202.4	211.2	221.6	226.0	231.9	231.9	234.9	231.9
57.5°	113.8	128.5	144.8	156.6	166.9	174.2	178.8	183.1	186.1	186.1	184.6
60°	84.2	96.0	109.2	121.1	130.0	137.4	140.4	144.8	146.2	146.2	143.2
62.5°	63.5	75.4	87.1	97.5	103.4	109.2	112.2	115.2	115.2	115.2	113.8
65°	51.8	60.5	69.4	78.2	84.2	88.6	90.1	93.0	91.6	93.0	91.6
67.5°	41.4	47.2	54.6	60.5	65.0	68.0	69.4	72.4	70.9	72.4	70.9
70°	31.0	36.9	41.4	45.8	48.8	51.8	53.1	54.6	53.1	54.6	53.1
72.5°	23.6	26.6	31.0	35.5	36.9	38.4	39.9	39.9	39.9	41.4	39.9
75°	16.2	19.2	22.1	23.6	26.6	28.1	28.1	29.5	29.5	29.5	29.5
77.5°	11.9	13.2	14.8	16.2	17.8	19.2	19.2	20.6	20.6	20.6	20.6
80°	7.4	8.9	8.9	10.4	11.9	11.9	13.2	13.2	13.2	13.2	13.2
82.5°	4.4	5.9	5.9	7.4	7.4	7.4	8.9	8.9	8.9	8.9	8.9
85°	3.0	3.0	3.0	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	3.0	3.0	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: P212806

CATALOG NUMBER: LE_6B20D010 EC6B10209050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1268.9	1268.9	1268.9	1268.9
2.5°	1249.6	1242.2	1254.0	1236.4
5°	1236.4	1229.0	1243.8	1221.5
7.5°	1220.1	1212.8	1226.0	1203.9
10°	1199.4	1192.0	1203.9	1180.2
12.5°	1181.6	1174.2	1187.6	1165.4
15°	<i>1168.4</i>	<i>1161.0</i>	<i>1172.9</i>	<i>1152.1</i>
17.5°	1147.8	1138.9	1152.1	1130.0
20°	1118.1	1112.2	1122.6	1100.4
22.5°	1084.1	1078.2	1090.1	1068.0
25°	1048.8	1041.4	1053.1	1031.0
27.5°	1003.0	997.0	1008.9	986.8
30°	948.2	942.4	954.2	933.5
32.5°	886.2	880.4	889.2	871.5
35°	815.4	810.9	819.8	800.6
37.5°	738.5	734.1	743.0	723.8
40°	655.9	651.4	658.8	649.9
42.5°	574.6	570.1	577.5	570.1
45°	494.9	491.9	499.2	491.9
47.5°	421.0	418.0	425.4	418.0
50°	350.1	351.5	354.5	351.5
52.5°	286.5	286.5	291.0	286.5
55°	231.9	233.4	234.9	231.9
57.5°	184.6	184.6	186.1	184.6
60°	143.2	144.8	144.8	143.2
62.5°	113.8	113.8	113.8	113.8
65°	90.1	90.1	91.6	90.1
67.5°	70.9	69.4	70.9	69.4
70°	53.1	53.1	53.1	53.1
72.5°	41.4	41.4	39.9	39.9
75°	29.5	31.0	29.5	29.5
77.5°	20.6	20.6	20.6	20.6
80°	13.2	13.2	13.2	13.2
82.5°	8.9	8.9	8.9	8.9
85°	5.9	4.4	4.4	4.4
87.5°	3.0	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)