

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: P212802

Luminaire Tested: **LE_6B20D010 EC6B10209027 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212802
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 EC6B10209027 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1998.9 lumens
Efficiency: N/A
Efficacy: 96.1 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

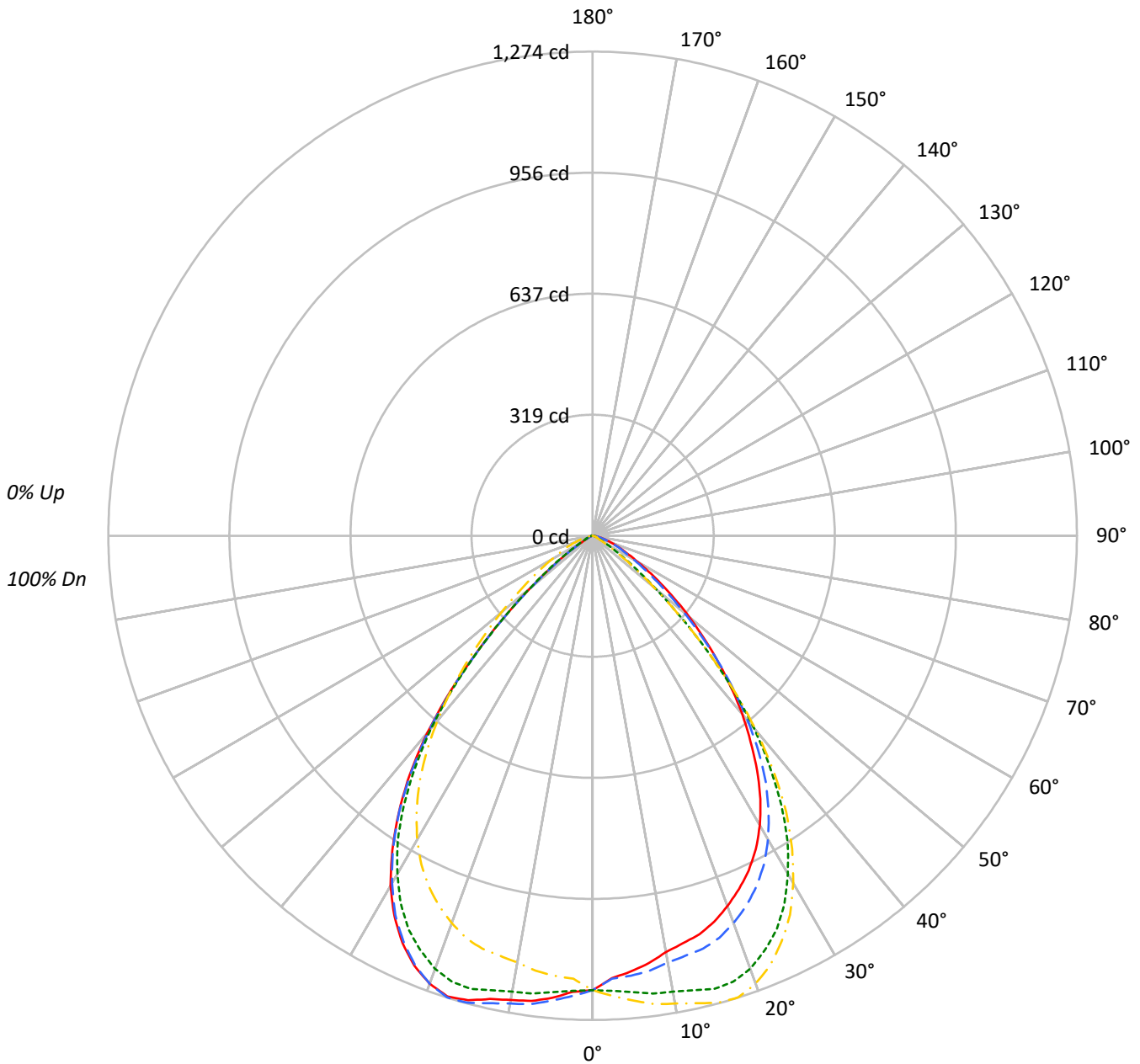
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	65543	65543	65543	65543
5°	63339	66322	67169	66322
10°	61900	67795	69031	67795
15°	61612	70063	71800	70063
20°	60491	70718	73156	70718
25°	58763	69204	71557	69204
30°	55679	65016	67314	65016
35°	50487	57942	59521	57942
40°	43825	47217	48405	47217
45°	35934	32593	32802	32593
50°	28246	18285	17918	18285
55°	20883	9041	8114	9041
60°	14801	3958	2905	3958
65°	11013	2529	1803	2529
70°	8030	2004	1346	2004
75°	5909	1483	868	1483
80°	3946	1294	442	1294
85°	2579	881	881	881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.5	5.7
10°-20°	339.0	17.0
20°-30°	505.9	25.3
30°-40°	519.7	26.0
40°-50°	336.6	16.8
50°-60°	125.2	6.3
60°-70°	41.1	2.1
70°-80°	14.5	0.7
80°-90°	2.6	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°	959.3	48.0
0°-40°	1479.0	74.0
0°-60°	1940.8	97.1
0°-90°	1998.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1998.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1196	1196	1196	1196	1196	
5°	1151	1205	1221	1205	1151	109
15°	1086	1234	1265	1234	1086	305
25°	972	1144	1183	1144	972	445
35°	754	866	889	866	754	468
45°	464	420	423	420	464	358
55°	218	95	85	95	218	199
65°	85	20	14	20	85	86
75°	28	7	4	7	28	31
85°	4	1	1	1	4	5
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°	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6
2.5°	1165.0	1181.6	1170.5	1177.5	1166.4	1166.4	1188.6	1176.1	1185.9	1176.1	1166.4
5°	1151.0	1171.9	1158.0	1165.0	1155.2	1156.6	1177.5	1167.8	1177.5	1170.5	1162.1
7.5°	1134.4	1155.2	1142.6	1149.6	1139.9	1142.6	1165.0	1155.2	1166.4	1159.4	1153.9
10°	1112.0	1134.4	1123.2	1130.1	1121.8	1123.2	1145.5	1138.5	1148.2	1144.1	1139.9
12.5°	1098.1	1119.0	1106.5	1113.5	1107.9	1110.6	1131.5	1126.0	1138.5	1134.4	1131.5
15°	1085.6	1105.1	1094.0	1100.9	1096.8	1098.1	1120.4	1114.9	1128.8	1126.0	1124.6
17.5°	1064.8	1085.6	1073.1	1081.5	1077.2	1078.6	1100.9	1096.8	1110.6	1110.6	1109.2
20°	1036.9	1057.8	1048.0	1053.6	1050.9	1053.6	1073.1	1070.2	1084.2	1084.2	1084.2
22.5°	1006.2	1027.1	1016.0	1021.6	1018.8	1023.0	1041.1	1041.1	1052.2	1053.6	1055.0
25°	971.5	992.4	981.2	988.1	985.4	988.1	1004.9	1006.2	1016.0	1016.0	1018.8
27.5°	929.8	950.6	939.5	945.0	943.6	945.0	963.1	965.9	971.5	972.9	975.6
30°	879.6	899.1	888.0	893.5	893.5	893.5	911.6	913.0	918.6	920.0	922.8
32.5°	821.1	837.9	829.5	835.1	833.8	836.5	849.0	854.6	861.5	860.1	861.5
35°	754.4	772.5	764.1	768.2	769.6	773.9	782.2	789.1	790.5	792.0	794.8
37.5°	682.0	700.1	691.8	695.9	697.2	705.6	708.4	715.4	718.1	718.1	718.1
40°	612.4	620.8	613.8	618.0	619.4	626.4	629.1	634.6	637.5	636.0	634.6
42.5°	537.2	544.2	537.2	541.4	541.4	547.0	548.4	555.4	555.4	552.5	548.4
45°	463.5	470.4	463.5	466.2	466.2	471.9	471.9	471.9	474.6	470.4	463.5
47.5°	393.9	400.9	393.9	396.6	395.2	399.5	398.0	399.5	395.2	392.5	384.1
50°	331.2	334.0	331.2	329.9	331.2	334.0	332.6	332.6	327.1	322.9	313.1
52.5°	270.0	274.1	270.0	270.0	270.0	272.8	272.8	271.4	265.9	260.2	250.5
55°	218.5	221.2	219.9	218.5	218.5	221.2	218.5	218.5	213.0	208.8	199.0
57.5°	174.0	175.4	174.0	174.0	174.0	175.4	175.4	172.6	168.4	164.2	157.2
60°	135.0	136.4	136.4	135.0	135.0	137.8	137.8	136.4	132.2	129.5	122.5
62.5°	107.1	107.1	107.1	107.1	107.1	108.5	108.5	108.5	105.8	103.0	97.4
65°	84.9	86.2	84.9	84.9	86.2	87.6	86.2	87.6	84.9	83.5	79.4
67.5°	65.4	66.8	65.4	66.8	66.8	68.2	66.8	68.2	65.4	64.0	61.2
70°	50.1	50.1	50.1	50.1	50.1	51.5	50.1	51.5	50.1	48.8	45.9
72.5°	37.6	37.6	39.0	39.0	37.6	39.0	37.6	37.6	37.6	36.1	34.8
75°	27.9	27.9	29.2	27.9	27.9	27.9	27.9	27.9	26.5	26.5	25.0
77.5°	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	18.1	18.1	16.8
80°	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	12.5	11.1	11.1
82.5°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	7.0	7.0
85°	4.1	4.1	4.1	5.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	1.4	1.4	1.4	2.8	1.4	1.4	2.8	2.8	1.4	1.4	1.4
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°	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6
2.5°	1177.5	1181.6	1181.6	1177.5	1187.2	1178.9	1195.6	1180.2	1184.4	1198.4	1197.0
5°	1173.2	1178.9	1180.2	1177.5	1190.0	1183.0	1199.8	1184.4	1191.4	1205.2	1205.2
7.5°	1167.8	1174.8	1177.5	1180.2	1191.4	1184.4	1203.9	1188.6	1198.4	1215.0	1213.6
10°	1155.2	1165.0	1170.5	1174.8	1185.9	1181.6	1202.5	1190.0	1198.4	1217.9	1216.5
12.5°	1148.2	1159.4	1167.8	1174.8	1187.2	1184.4	1205.2	1194.1	1205.2	1224.8	1224.8
15°	1142.6	1155.2	1165.0	1177.5	1190.0	1187.2	1209.5	1199.8	1210.9	1234.5	1233.1
17.5°	1128.8	1144.1	1153.9	1167.8	1180.2	1178.9	1202.5	1195.6	1208.1	1230.4	1231.8
20°	1105.1	1119.0	1130.1	1146.9	1160.8	1158.0	1183.0	1176.1	1188.6	1212.2	1213.6
22.5°	1074.5	1088.4	1099.5	1117.6	1130.1	1128.8	1153.9	1146.9	1159.4	1181.6	1183.0
25°	1038.2	1050.9	1062.0	1078.6	1092.6	1092.6	1114.9	1107.9	1121.8	1144.1	1144.1
27.5°	993.8	1004.9	1014.6	1034.1	1045.2	1045.2	1066.1	1059.1	1073.1	1092.6	1091.1
30°	939.5	949.2	957.6	974.2	984.0	985.4	1003.5	996.5	1010.5	1027.1	1027.1
32.5°	874.0	883.8	889.4	910.2	917.2	915.9	929.8	922.8	936.8	954.8	950.6
35°	804.5	808.6	812.9	833.8	836.5	830.9	844.9	837.9	847.6	865.8	862.9
37.5°	725.1	726.5	726.5	744.6	746.0	741.9	750.1	741.9	748.8	765.5	764.1
40°	637.5	636.0	634.6	648.6	647.2	638.9	644.4	637.5	647.2	659.8	652.8
42.5°	548.4	544.2	538.6	545.6	540.0	533.1	535.9	524.8	531.6	541.4	533.1
45°	460.8	452.4	441.2	442.6	435.6	427.2	423.1	412.0	410.6	420.4	413.4
47.5°	378.6	361.9	352.1	346.5	335.4	328.5	320.1	307.6	302.0	307.6	300.6
50°	304.8	288.1	275.6	263.0	251.9	243.6	229.6	221.2	213.0	214.4	208.8
52.5°	240.8	229.6	208.8	199.0	187.9	178.1	165.6	155.9	146.1	146.1	140.6
55°	190.6	175.4	161.5	147.5	136.4	128.0	115.5	105.8	96.0	94.6	89.1
57.5°	147.5	136.4	121.1	107.1	100.2	91.9	79.4	68.2	62.6	58.5	54.2
60°	114.1	103.0	90.5	79.4	71.0	65.4	52.9	44.5	39.0	36.1	32.0
62.5°	91.9	82.1	71.0	59.9	54.2	48.8	39.0	32.0	26.5	23.6	20.9
65°	73.8	65.4	57.1	48.8	44.5	39.0	32.0	26.5	22.2	19.5	16.8
67.5°	57.1	51.5	44.5	39.0	34.8	30.6	25.0	20.9	18.1	15.2	13.9
70°	43.1	39.0	34.8	29.2	26.5	23.6	19.5	15.2	13.9	12.5	11.1
72.5°	33.4	29.2	25.0	22.2	19.5	18.1	15.2	12.5	11.1	9.8	8.4
75°	22.2	20.9	18.1	15.2	13.9	12.5	11.1	9.8	8.4	7.0	7.0
77.5°	15.2	13.9	12.5	11.1	9.8	9.8	8.4	7.0	5.6	5.6	4.1
80°	9.8	8.4	8.4	7.0	7.0	7.0	5.6	4.1	4.1	4.1	2.8
82.5°	7.0	5.6	5.6	4.1	4.1	4.1	4.1	2.8	2.8	2.8	1.4
85°	4.1	2.8	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	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°	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6
2.5°	1185.9	1198.4	1198.4	1209.5	1210.9	1208.1	1195.6	1195.6	1212.2	1222.0	1205.2
5°	1197.0	1209.5	1209.5	1220.6	1226.1	1222.0	1209.5	1210.9	1227.6	1238.8	1222.0
7.5°	1206.8	1219.2	1222.0	1234.5	1238.8	1234.5	1222.0	1224.8	1242.9	1252.6	1235.9
10°	1210.9	1223.4	1224.8	1238.8	1244.2	1238.8	1229.0	1230.4	1249.9	1256.8	1241.5
12.5°	1220.6	1233.1	1233.1	1248.5	1254.0	1249.9	1237.4	1240.1	1259.6	1266.5	1251.2
15°	1230.4	1242.9	1242.9	1259.6	1266.5	1261.0	1251.2	1252.6	1272.1	1279.1	1266.5
17.5°	1230.4	1241.5	1241.5	1259.6	1266.5	1262.4	1251.2	1252.6	1273.5	1279.1	1266.5
20°	1212.2	1224.8	1222.0	1240.1	1247.1	1242.9	1233.1	1233.1	1254.0	1259.6	1247.1
22.5°	1183.0	1194.1	1191.4	1208.1	1216.5	1210.9	1202.5	1201.1	1222.0	1227.6	1215.0
25°	1142.6	1153.9	1151.0	1167.8	1176.1	1169.1	1159.4	1160.8	1177.5	1185.9	1174.8
27.5°	1095.4	1102.4	1098.1	1114.9	1123.2	1116.2	1106.5	1107.9	1124.6	1130.1	1121.8
30°	1031.4	1036.9	1032.8	1046.6	1052.2	1048.0	1039.6	1039.6	1055.0	1062.0	1053.6
32.5°	954.8	959.0	954.8	965.9	977.0	968.8	960.4	960.4	977.0	982.6	972.9
35°	865.8	869.9	867.1	878.2	886.6	875.5	868.5	865.8	888.0	885.2	879.6
37.5°	766.9	769.6	761.4	780.8	785.0	772.5	766.9	764.1	783.6	782.2	776.6
40°	655.5	658.4	652.8	666.6	668.1	658.4	654.1	650.0	669.5	668.1	663.9
42.5°	537.2	538.6	531.6	542.8	545.6	535.9	534.5	528.9	547.0	544.2	542.8
45°	414.8	414.8	409.2	417.5	420.4	412.0	409.2	407.8	420.4	420.4	417.5
47.5°	300.6	296.5	289.5	302.0	303.4	297.9	296.5	292.2	304.8	304.8	302.0
50°	206.0	204.6	203.2	206.0	207.4	200.4	204.6	200.4	207.4	207.4	207.4
52.5°	137.8	136.4	133.6	136.4	136.4	132.2	132.2	130.9	136.4	136.4	133.6
55°	86.2	84.9	83.5	84.9	84.9	80.8	83.5	80.8	83.5	83.5	82.1
57.5°	52.9	50.1	50.1	48.8	48.8	45.9	47.4	47.4	47.4	47.4	47.4
60°	30.6	29.2	27.9	27.9	27.9	26.5	26.5	26.5	26.5	26.5	26.5
62.5°	19.5	19.5	18.1	18.1	18.1	18.1	18.1	16.8	18.1	18.1	18.1
65°	16.8	15.2	15.2	15.2	15.2	13.9	13.9	13.9	13.9	13.9	13.9
67.5°	13.9	12.5	12.5	12.5	12.5	11.1	11.1	11.1	11.1	11.1	11.1
70°	11.1	9.8	9.8	9.8	9.8	9.8	8.4	9.8	9.8	8.4	8.4
72.5°	8.4	8.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
75°	5.6	5.6	5.6	5.6	5.6	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	4.1	4.1	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	2.8	2.8	2.8	2.8	2.8	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4	0.0	1.4	0.0	1.4	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: P212802

CATALOG NUMBER: LE_6B20D010 EC6B10209027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6
2.5°	1224.8	1210.9	1203.9	1217.9	1223.4	1216.5	1210.9	1201.1	1210.9	1216.5	1223.4
5°	1241.5	1229.0	1223.4	1233.1	1241.5	1234.5	1230.4	1220.6	1230.4	1234.5	1241.5
7.5°	1256.8	1244.2	1237.4	1247.1	1256.8	1247.1	1242.9	1234.5	1242.9	1247.1	1256.8
10°	1262.4	1248.5	1242.9	1251.2	1261.0	1251.2	1245.6	1240.1	1245.6	1251.2	1261.0
12.5°	1272.1	1258.2	1251.2	1258.2	1268.0	1258.2	1252.6	1248.5	1252.6	1258.2	1268.0
15°	1286.0	1273.5	1265.1	1272.1	1284.6	1273.5	1266.5	1265.1	1266.5	1273.5	1284.6
17.5°	1286.0	1276.2	1268.0	1273.5	1286.0	1277.6	1268.0	1270.8	1268.0	1277.6	1286.0
20°	1268.0	1258.2	1251.2	1251.2	1269.4	1258.2	1249.9	1254.0	1249.9	1258.2	1269.4
22.5°	1235.9	1227.6	1220.6	1219.2	1237.4	1227.6	1216.5	1224.8	1216.5	1227.6	1237.4
25°	1194.1	1185.9	1180.2	1177.5	1195.6	1184.4	1174.8	1183.0	1174.8	1184.4	1195.6
27.5°	1139.9	1132.9	1127.4	1123.2	1139.9	1130.1	1120.4	1128.8	1120.4	1130.1	1139.9
30°	1070.2	1066.1	1060.5	1055.0	1071.8	1062.0	1052.2	1063.4	1052.2	1062.0	1071.8
32.5°	989.6	986.8	979.9	974.2	991.0	979.9	972.9	981.2	972.9	979.9	991.0
35°	896.4	892.1	888.0	878.2	896.4	886.6	886.6	889.4	886.6	886.6	896.4
37.5°	792.0	789.1	783.6	775.2	790.5	783.6	780.8	789.1	780.8	783.6	790.5
40°	675.0	673.6	669.5	659.8	676.4	669.5	665.2	676.4	665.2	669.5	676.4
42.5°	552.5	549.8	545.6	544.2	552.5	547.0	551.1	551.1	551.1	547.0	552.5
45°	425.9	423.1	420.4	414.8	424.5	421.8	420.4	423.1	420.4	421.8	424.5
47.5°	309.0	306.2	303.4	299.2	309.0	304.8	304.8	307.6	304.8	304.8	309.0
50°	207.4	208.8	207.4	204.6	207.4	206.0	207.4	210.1	207.4	206.0	207.4
52.5°	137.8	137.8	135.0	133.6	136.4	135.0	139.1	136.4	139.1	135.0	136.4
55°	83.5	84.9	83.5	82.1	83.5	82.1	86.2	84.9	86.2	82.1	83.5
57.5°	47.4	47.4	48.8	47.4	50.1	48.8	48.8	48.8	48.8	48.8	50.1
60°	26.5	26.5	26.5	26.5	26.5	26.5	27.9	26.5	27.9	26.5	26.5
62.5°	18.1	18.1	18.1	16.8	18.1	16.8	18.1	18.1	18.1	16.8	18.1
65°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
67.5°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
70°	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4	8.4
72.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
75°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	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: P212802

CATALOG NUMBER: LE_6B20D010 EC6B10209027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6
2.5°	1217.9	1203.9	1210.9	1224.8	1205.2	1222.0	1212.2	1195.6	1195.6	1208.1	1210.9
5°	1233.1	1223.4	1229.0	1241.5	1222.0	1238.8	1227.6	1210.9	1209.5	1222.0	1226.1
7.5°	1247.1	1237.4	1244.2	1256.8	1235.9	1252.6	1242.9	1224.8	1222.0	1234.5	1238.8
10°	1251.2	1242.9	1248.5	1262.4	1241.5	1256.8	1249.9	1230.4	1229.0	1238.8	1244.2
12.5°	1258.2	1251.2	1258.2	1272.1	1251.2	1266.5	1259.6	1240.1	1237.4	1249.9	1254.0
15°	1272.1	1265.1	1273.5	1286.0	1266.5	1279.1	1272.1	1252.6	1251.2	1261.0	1266.5
17.5°	1273.5	1268.0	1276.2	1286.0	1266.5	1279.1	1273.5	1252.6	1251.2	1262.4	1266.5
20°	1251.2	1251.2	1258.2	1268.0	1247.1	1259.6	1254.0	1233.1	1233.1	1242.9	1247.1
22.5°	1219.2	1220.6	1227.6	1235.9	1215.0	1227.6	1222.0	1201.1	1202.5	1210.9	1216.5
25°	1177.5	1180.2	1185.9	1194.1	1174.8	1185.9	1177.5	1160.8	1159.4	1169.1	1176.1
27.5°	1123.2	1127.4	1132.9	1139.9	1121.8	1130.1	1124.6	1107.9	1106.5	1116.2	1123.2
30°	1055.0	1060.5	1066.1	1070.2	1053.6	1062.0	1055.0	1039.6	1039.6	1048.0	1052.2
32.5°	974.2	979.9	986.8	989.6	972.9	982.6	977.0	960.4	960.4	968.8	977.0
35°	878.2	888.0	892.1	896.4	879.6	885.2	888.0	865.8	868.5	875.5	886.6
37.5°	775.2	783.6	789.1	792.0	776.6	782.2	783.6	764.1	766.9	772.5	785.0
40°	659.8	669.5	673.6	675.0	663.9	668.1	669.5	650.0	654.1	658.4	668.1
42.5°	544.2	545.6	549.8	552.5	542.8	544.2	547.0	528.9	534.5	535.9	545.6
45°	414.8	420.4	423.1	425.9	417.5	420.4	420.4	407.8	409.2	412.0	420.4
47.5°	299.2	303.4	306.2	309.0	302.0	304.8	304.8	292.2	296.5	297.9	303.4
50°	204.6	207.4	208.8	207.4	207.4	207.4	207.4	200.4	204.6	200.4	207.4
52.5°	133.6	135.0	137.8	137.8	133.6	136.4	136.4	130.9	132.2	132.2	136.4
55°	82.1	83.5	84.9	83.5	82.1	83.5	83.5	80.8	83.5	80.8	84.9
57.5°	47.4	48.8	47.4	47.4	47.4	47.4	47.4	47.4	47.4	45.9	48.8
60°	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	26.5	27.9
62.5°	16.8	18.1	18.1	18.1	18.1	18.1	18.1	16.8	18.1	18.1	18.1
65°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	15.2
67.5°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	12.5
70°	8.4	8.4	8.4	8.4	8.4	8.4	9.8	9.8	8.4	9.8	9.8
72.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
75°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.6
77.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8
82.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	0.0	1.4
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: P212802

CATALOG NUMBER: LE_6B20D010 EC6B10209027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6
2.5°	1209.5	1198.4	1198.4	1185.9	1197.0	1198.4	1184.4	1180.2	1195.6	1178.9	1187.2
5°	1220.6	1209.5	1209.5	1197.0	1205.2	1205.2	1191.4	1184.4	1199.8	1183.0	1190.0
7.5°	1234.5	1222.0	1219.2	1206.8	1213.6	1215.0	1198.4	1188.6	1203.9	1184.4	1191.4
10°	1238.8	1224.8	1223.4	1210.9	1216.5	1217.9	1198.4	1190.0	1202.5	1181.6	1185.9
12.5°	1248.5	1233.1	1233.1	1220.6	1224.8	1224.8	1205.2	1194.1	1205.2	1184.4	1187.2
15°	1259.6	1242.9	1242.9	1230.4	1233.1	1234.5	1210.9	1199.8	1209.5	1187.2	1190.0
17.5°	1259.6	1241.5	1241.5	1230.4	1231.8	1230.4	1208.1	1195.6	1202.5	1178.9	1180.2
20°	1240.1	1222.0	1224.8	1212.2	1213.6	1212.2	1188.6	1176.1	1183.0	1158.0	1160.8
22.5°	1208.1	1191.4	1194.1	1183.0	1183.0	1181.6	1159.4	1146.9	1153.9	1128.8	1130.1
25°	1167.8	1151.0	1153.9	1142.6	1144.1	1144.1	1121.8	1107.9	1114.9	1092.6	1092.6
27.5°	1114.9	1098.1	1102.4	1095.4	1091.1	1092.6	1073.1	1059.1	1066.1	1045.2	1045.2
30°	1046.6	1032.8	1036.9	1031.4	1027.1	1027.1	1010.5	996.5	1003.5	985.4	984.0
32.5°	965.9	954.8	959.0	954.8	950.6	954.8	936.8	922.8	929.8	915.9	917.2
35°	878.2	867.1	869.9	865.8	862.9	865.8	847.6	837.9	844.9	830.9	836.5
37.5°	780.8	761.4	769.6	766.9	764.1	765.5	748.8	741.9	750.1	741.9	746.0
40°	666.6	652.8	658.4	655.5	652.8	659.8	647.2	637.5	644.4	638.9	647.2
42.5°	542.8	531.6	538.6	537.2	533.1	541.4	531.6	524.8	535.9	533.1	540.0
45°	417.5	409.2	414.8	414.8	413.4	420.4	410.6	412.0	423.1	427.2	435.6
47.5°	302.0	289.5	296.5	300.6	300.6	307.6	302.0	307.6	320.1	328.5	335.4
50°	206.0	203.2	204.6	206.0	208.8	214.4	213.0	221.2	229.6	243.6	251.9
52.5°	136.4	133.6	136.4	137.8	140.6	146.1	146.1	155.9	165.6	178.1	187.9
55°	84.9	83.5	84.9	86.2	89.1	94.6	96.0	105.8	115.5	128.0	136.4
57.5°	48.8	50.1	50.1	52.9	54.2	58.5	62.6	68.2	79.4	91.9	100.2
60°	27.9	27.9	29.2	30.6	32.0	36.1	39.0	44.5	52.9	65.4	71.0
62.5°	18.1	18.1	19.5	19.5	20.9	23.6	26.5	32.0	39.0	48.8	54.2
65°	15.2	15.2	15.2	16.8	16.8	19.5	22.2	26.5	32.0	39.0	44.5
67.5°	12.5	12.5	12.5	13.9	13.9	15.2	18.1	20.9	25.0	30.6	34.8
70°	9.8	9.8	9.8	11.1	11.1	12.5	13.9	15.2	19.5	23.6	26.5
72.5°	7.0	7.0	8.4	8.4	8.4	9.8	11.1	12.5	15.2	18.1	19.5
75°	5.6	5.6	5.6	5.6	7.0	7.0	8.4	9.8	11.1	12.5	13.9
77.5°	2.8	2.8	4.1	4.1	4.1	5.6	5.6	7.0	8.4	9.8	9.8
80°	2.8	2.8	2.8	2.8	2.8	4.1	4.1	4.1	5.6	7.0	7.0
82.5°	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8	4.1	4.1	4.1
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	2.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4
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: P212802

CATALOG NUMBER: LE_6B20D010 EC6B10209027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6	1195.6
2.5°	1177.5	1181.6	1181.6	1177.5	1166.4	1176.1	1185.9	1176.1	1188.6	1166.4	1166.4
5°	1177.5	1180.2	1178.9	1173.2	1162.1	1170.5	1177.5	1167.8	1177.5	1156.6	1155.2
7.5°	1180.2	1177.5	1174.8	1167.8	1153.9	1159.4	1166.4	1155.2	1165.0	1142.6	1139.9
10°	1174.8	1170.5	1165.0	1155.2	1139.9	1144.1	1148.2	1138.5	1145.5	1123.2	1121.8
12.5°	1174.8	1167.8	1159.4	1148.2	1131.5	1134.4	1138.5	1126.0	1131.5	1110.6	1107.9
15°	1177.5	1165.0	1155.2	1142.6	1124.6	1126.0	1128.8	1114.9	1120.4	1098.1	1096.8
17.5°	1167.8	1153.9	1144.1	1128.8	1109.2	1110.6	1110.6	1096.8	1100.9	1078.6	1077.2
20°	1146.9	1130.1	1119.0	1105.1	1084.2	1084.2	1084.2	1070.2	1073.1	1053.6	1050.9
22.5°	1117.6	1099.5	1088.4	1074.5	1055.0	1053.6	1052.2	1041.1	1041.1	1023.0	1018.8
25°	1078.6	1062.0	1050.9	1038.2	1018.8	1016.0	1016.0	1006.2	1004.9	988.1	985.4
27.5°	1034.1	1014.6	1004.9	993.8	975.6	972.9	971.5	965.9	963.1	945.0	943.6
30°	974.2	957.6	949.2	939.5	922.8	920.0	918.6	913.0	911.6	893.5	893.5
32.5°	910.2	889.4	883.8	874.0	861.5	860.1	861.5	854.6	849.0	836.5	833.8
35°	833.8	812.9	808.6	804.5	794.8	792.0	790.5	789.1	782.2	773.9	769.6
37.5°	744.6	726.5	726.5	725.1	718.1	718.1	718.1	715.4	708.4	705.6	697.2
40°	648.6	634.6	636.0	637.5	634.6	636.0	637.5	634.6	629.1	626.4	619.4
42.5°	545.6	538.6	544.2	548.4	548.4	552.5	555.4	555.4	548.4	547.0	541.4
45°	442.6	441.2	452.4	460.8	463.5	470.4	474.6	471.9	471.9	471.9	466.2
47.5°	346.5	352.1	361.9	378.6	384.1	392.5	395.2	399.5	398.0	399.5	395.2
50°	263.0	275.6	288.1	304.8	313.1	322.9	327.1	332.6	332.6	334.0	331.2
52.5°	199.0	208.8	229.6	240.8	250.5	260.2	265.9	271.4	272.8	272.8	270.0
55°	147.5	161.5	175.4	190.6	199.0	208.8	213.0	218.5	218.5	221.2	218.5
57.5°	107.1	121.1	136.4	147.5	157.2	164.2	168.4	172.6	175.4	175.4	174.0
60°	79.4	90.5	103.0	114.1	122.5	129.5	132.2	136.4	137.8	137.8	135.0
62.5°	59.9	71.0	82.1	91.9	97.4	103.0	105.8	108.5	108.5	108.5	107.1
65°	48.8	57.1	65.4	73.8	79.4	83.5	84.9	87.6	86.2	87.6	86.2
67.5°	39.0	44.5	51.5	57.1	61.2	64.0	65.4	68.2	66.8	68.2	66.8
70°	29.2	34.8	39.0	43.1	45.9	48.8	50.1	51.5	50.1	51.5	50.1
72.5°	22.2	25.0	29.2	33.4	34.8	36.1	37.6	37.6	37.6	39.0	37.6
75°	15.2	18.1	20.9	22.2	25.0	26.5	26.5	27.9	27.9	27.9	27.9
77.5°	11.1	12.5	13.9	15.2	16.8	18.1	18.1	19.5	19.5	19.5	19.5
80°	7.0	8.4	8.4	9.8	11.1	11.1	12.5	12.5	12.5	12.5	12.5
82.5°	4.1	5.6	5.6	7.0	7.0	7.0	8.4	8.4	8.4	8.4	8.4
85°	2.8	2.8	2.8	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8	1.4	1.4
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: P212802

CATALOG NUMBER: LE_6B20D010 EC6B10209027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1195.6	1195.6	1195.6	1195.6
2.5°	1177.5	1170.5	1181.6	1165.0
5°	1165.0	1158.0	1171.9	1151.0
7.5°	1149.6	1142.6	1155.2	1134.4
10°	1130.1	1123.2	1134.4	1112.0
12.5°	1113.5	1106.5	1119.0	1098.1
15°	1100.9	1094.0	1105.1	1085.6
17.5°	1081.5	1073.1	1085.6	1064.8
20°	1053.6	1048.0	1057.8	1036.9
22.5°	1021.6	1016.0	1027.1	1006.2
25°	988.1	981.2	992.4	971.5
27.5°	945.0	939.5	950.6	929.8
30°	893.5	888.0	899.1	879.6
32.5°	835.1	829.5	837.9	821.1
35°	768.2	764.1	772.5	754.4
37.5°	695.9	691.8	700.1	682.0
40°	618.0	613.8	620.8	612.4
42.5°	541.4	537.2	544.2	537.2
45°	466.2	463.5	470.4	463.5
47.5°	396.6	393.9	400.9	393.9
50°	329.9	331.2	334.0	331.2
52.5°	270.0	270.0	274.1	270.0
55°	218.5	219.9	221.2	218.5
57.5°	174.0	174.0	175.4	174.0
60°	135.0	136.4	136.4	135.0
62.5°	107.1	107.1	107.1	107.1
65°	84.9	84.9	86.2	84.9
67.5°	66.8	65.4	66.8	65.4
70°	50.1	50.1	50.1	50.1
72.5°	39.0	39.0	37.6	37.6
75°	27.9	29.2	27.9	27.9
77.5°	19.5	19.5	19.5	19.5
80°	12.5	12.5	12.5	12.5
82.5°	8.4	8.4	8.4	8.4
85°	5.6	4.1	4.1	4.1
87.5°	2.8	1.4	1.4	1.4
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)