

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: io LED

Report Number: P212797

Luminaire Tested: **LD6B20D010 EU6B10208030 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212797  
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: io LED  
Catalog Number: LD6B20D010 EU6B10208030 6LBSWLI1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1947.4 lumens  
Efficiency: N/A  
Efficacy: 93.6 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

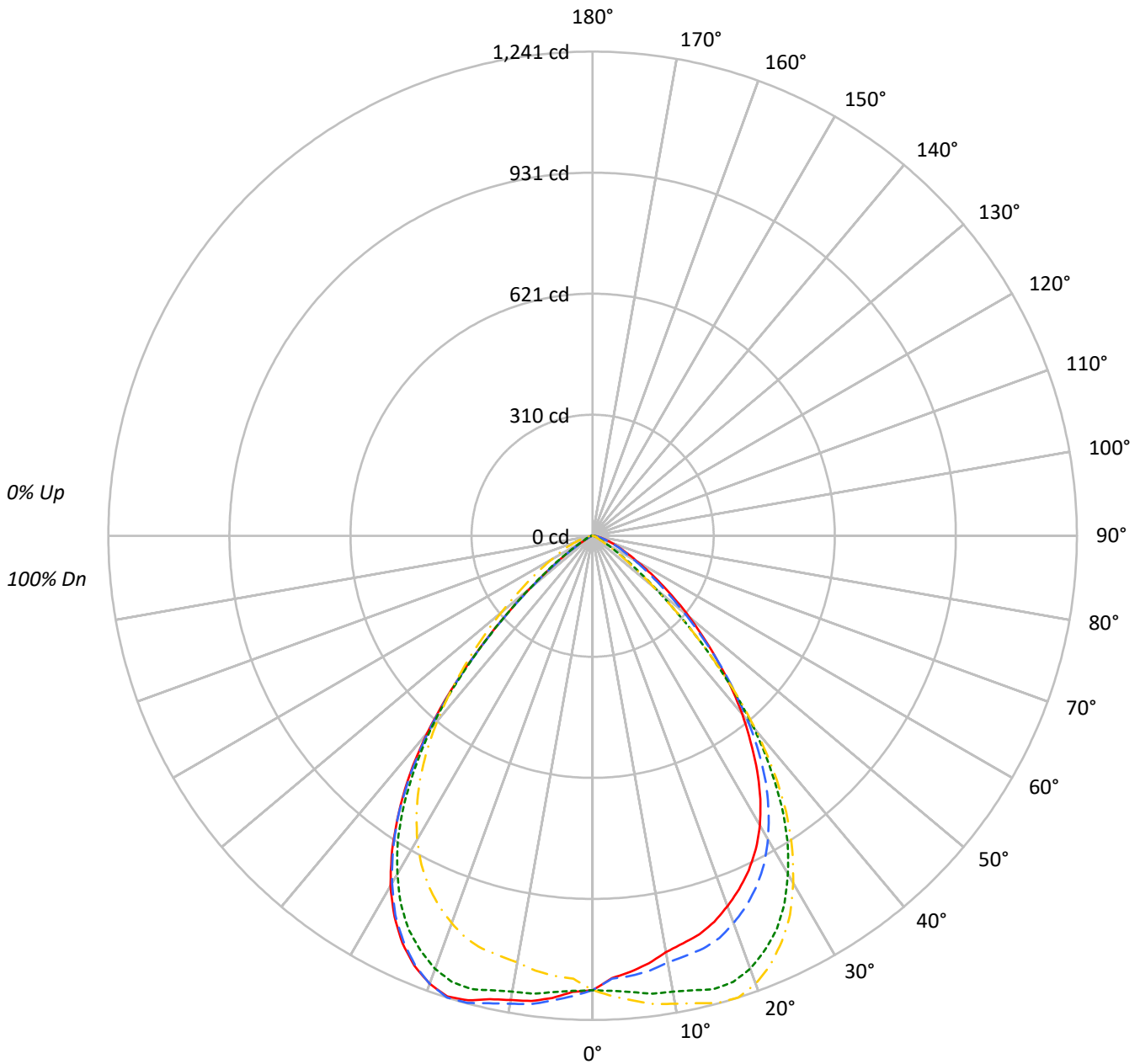
Input Watts (W): 20.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P212797

CATALOG NUMBER: LD6B20D010 EU6B10208030 6LBSWL11

### Luminous Intensity Polar Plot





TEST NUMBER: P212797

CATALOG NUMBER: LD6B20D010 EU6B10208030 6LBSWLI1

**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°	63855	63855	63855	63855
5°	61710	64621	65441	64621
10°	60308	66048	67255	66048
15°	60029	68258	69955	68258
20°	58933	68898	71272	68898
25°	57251	67419	69718	67419
30°	54249	63345	65580	63345
35°	49182	56443	57989	56443
40°	42694	45993	47160	45993
45°	35004	31747	31957	31747
50°	27521	17808	17466	17808
55°	20348	8812	7904	8812
60°	14418	3870	2829	3870
65°	10727	2465	1764	2465
70°	7822	1955	1298	1955
75°	5740	1440	868	1440
80°	3852	1294	442	1294
85°	2579	881	881	881



TEST NUMBER: P212797

CATALOG NUMBER: LD6B20D010 EU6B10208030 6LBSWLI1

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.5	5.7
10°-20°	330.3	17.0
20°-30°	492.8	25.3
30°-40°	506.3	26.0
40°-50°	327.9	16.8
50°-60°	121.9	6.3
60°-70°	40.0	2.1
70°-80°	14.1	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°	934.6	48.0
0°-40°	1440.9	74.0
0°-60°	1890.8	97.1
0°-90°	1947.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1947.4	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	1165	1165	1165	1165	1165	
5°	1121	1174	1189	1174	1121	106
15°	1058	1203	1233	1203	1058	297
25°	946	1115	1153	1115	946	434
35°	735	843	866	843	735	456
45°	452	410	412	410	452	349
55°	213	92	83	92	213	194
65°	83	19	14	19	83	84
75°	27	7	4	7	27	30
85°	4	1	1	1	4	5
90°	0	0	0	0	0	



TEST NUMBER: P212797

CATALOG NUMBER: LD6B20D010 EU6B10208030 6LBSWLI1

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8
2.5°	1134.9	1151.2	1140.4	1147.1	1136.3	1136.3	1158.0	1145.8	1155.3	1145.8	1136.3
5°	1121.4	1141.7	1128.2	1134.9	1125.5	1126.8	1147.1	1137.7	1147.1	1140.4	1132.2
7.5°	1105.1	1125.5	1113.3	1120.0	1110.5	1113.3	1134.9	1125.5	1136.3	1129.5	1124.1
10°	1083.4	1105.1	1094.3	1101.0	1092.9	1094.3	1116.0	1109.2	1118.7	1114.6	1110.5
12.5°	1069.9	1090.2	1078.0	1084.8	1079.4	1082.1	1102.4	1097.0	1109.2	1105.1	1102.4
15°	1057.7	1076.6	1065.8	1072.6	1068.5	1069.9	1091.6	1086.1	1099.7	1097.0	1095.6
17.5°	1037.3	1057.7	1045.5	1053.6	1049.5	1050.9	1072.6	1068.5	1082.1	1082.1	1080.7
20°	1010.2	1030.5	1021.0	1026.5	1023.8	1026.5	1045.5	1042.7	1056.3	1056.3	1056.3
22.5°	980.4	1000.7	989.9	995.3	992.6	996.6	1014.3	1014.3	1025.1	1026.5	1027.8
25°	946.5	966.8	956.0	962.7	960.0	962.7	979.0	980.4	989.9	989.9	992.6
27.5°	905.8	926.1	915.3	920.7	919.3	920.7	938.3	941.0	946.5	947.8	950.5
30°	857.0	876.0	865.1	870.5	870.5	870.5	888.2	889.5	894.9	896.3	899.0
32.5°	800.0	816.3	808.2	813.6	812.2	814.9	827.1	832.6	839.3	838.0	839.3
35°	734.9	752.6	744.4	748.5	749.9	753.9	762.1	768.8	770.2	771.5	774.3
37.5°	664.4	682.1	673.9	678.0	679.3	687.5	690.2	697.0	699.7	699.7	699.7
40°	596.6	604.8	598.0	602.1	603.4	610.2	612.9	618.3	621.0	619.7	618.3
42.5°	523.4	530.2	523.4	527.5	527.5	532.9	534.3	541.0	541.0	538.3	534.3
45°	451.5	458.3	451.5	454.2	454.2	459.7	459.7	459.7	462.4	458.3	451.5
47.5°	383.7	390.5	383.7	386.5	385.1	389.2	387.8	389.2	385.1	382.4	374.2
50°	322.7	325.4	322.7	321.4	322.7	325.4	324.1	324.1	318.7	314.6	305.1
52.5°	263.1	267.1	263.1	263.1	263.1	265.8	265.8	264.4	259.0	253.6	244.1
55°	212.9	215.6	214.2	212.9	212.9	215.6	212.9	212.9	207.5	203.4	193.9
57.5°	169.5	170.9	169.5	169.5	169.5	170.9	170.9	168.1	164.1	160.0	153.2
60°	131.5	132.9	132.9	131.5	131.5	134.2	134.2	132.9	128.8	126.1	119.3
62.5°	104.4	104.4	104.4	104.4	104.4	105.8	105.8	105.8	103.1	100.3	94.9
65°	82.7	84.1	82.7	82.7	84.1	85.4	84.1	85.4	82.7	81.4	77.3
67.5°	63.7	65.1	63.7	65.1	65.1	66.4	65.1	66.4	63.7	62.4	59.7
70°	48.8	48.8	48.8	48.8	48.8	50.2	48.8	50.2	48.8	47.5	44.7
72.5°	36.6	36.6	38.0	38.0	36.6	38.0	36.6	36.6	36.6	35.3	33.9
75°	27.1	27.1	28.5	27.1	27.1	27.1	27.1	27.1	25.8	25.8	24.4
77.5°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	17.6	17.6	16.3
80°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	10.8	10.8
82.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	6.8	6.8
85°	4.1	4.1	4.1	5.4	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	1.4	1.4	1.4	2.7	1.4	1.4	2.7	2.7	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: P212797

CATALOG NUMBER: LD6B20D010 EU6B10208030 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8
2.5°	1147.1	1151.2	1151.2	1147.1	1156.6	1148.5	1164.8	1149.9	1153.9	1167.5	1166.1
5°	1143.1	1148.5	1149.9	1147.1	1159.4	1152.6	1168.8	1153.9	1160.7	1174.3	1174.3
7.5°	1137.7	1144.4	1147.1	1149.9	1160.7	1153.9	1172.9	1158.0	1167.5	1183.8	1182.4
10°	1125.5	1134.9	1140.4	1144.4	1155.3	1151.2	1171.6	1159.4	1167.5	1186.5	1185.1
12.5°	1118.7	1129.5	1137.7	1144.4	1156.6	1153.9	1174.3	1163.4	1174.3	1193.3	1193.3
15°	1113.3	1125.5	1134.9	1147.1	1159.4	1156.6	1178.3	1168.8	1179.7	1202.7	1201.4
17.5°	1099.7	1114.6	1124.1	1137.7	1149.9	1148.5	1171.6	1164.8	1177.0	1198.7	1200.0
20°	1076.6	1090.2	1101.0	1117.3	1130.9	1128.2	1152.6	1145.8	1158.0	1181.0	1182.4
22.5°	1046.8	1060.4	1071.2	1088.8	1101.0	1099.7	1124.1	1117.3	1129.5	1151.2	1152.6
25°	1011.6	1023.8	1034.6	1050.9	1064.4	1064.4	1086.1	1079.4	1092.9	1114.6	1114.6
27.5°	968.2	979.0	988.5	1007.5	1018.3	1018.3	1038.7	1031.9	1045.5	1064.4	1063.1
30°	915.3	924.8	932.9	949.2	958.7	960.0	977.7	970.9	984.4	1000.7	1000.7
32.5°	851.5	861.0	866.5	886.8	893.6	892.2	905.8	899.0	912.6	930.2	926.1
35°	783.7	787.8	791.9	812.2	814.9	809.5	823.1	816.3	825.8	843.4	840.7
37.5°	706.5	707.8	707.8	725.4	726.8	722.7	730.9	722.7	729.5	745.8	744.4
40°	621.0	619.7	618.3	631.9	630.5	622.4	627.8	621.0	630.5	642.7	635.9
42.5°	534.3	530.2	524.8	531.5	526.1	519.3	522.0	511.2	518.0	527.5	519.3
45°	448.8	440.7	429.8	431.2	424.4	416.3	412.2	401.4	400.0	409.5	402.7
47.5°	368.8	352.6	343.1	337.6	326.8	320.0	311.9	299.7	294.2	299.7	292.9
50°	297.0	280.7	268.5	256.3	245.4	237.3	223.7	215.6	207.5	208.8	203.4
52.5°	234.6	223.7	203.4	193.9	183.1	173.6	161.4	151.9	142.4	142.4	137.0
55°	185.8	170.9	157.3	143.7	132.9	124.7	112.5	103.1	93.6	92.2	86.8
57.5°	143.7	132.9	118.0	104.4	97.6	89.5	77.3	66.4	61.0	57.0	52.9
60°	111.2	100.3	88.1	77.3	69.2	63.7	51.5	43.4	38.0	35.3	31.2
62.5°	89.5	80.0	69.2	58.3	52.9	47.5	38.0	31.2	25.8	23.1	20.3
65°	71.9	63.7	55.6	47.5	43.4	38.0	31.2	25.8	21.7	19.0	16.3
67.5°	55.6	50.2	43.4	38.0	33.9	29.8	24.4	20.3	17.6	14.9	13.6
70°	42.0	38.0	33.9	28.5	25.8	23.1	19.0	14.9	13.6	12.2	10.8
72.5°	32.5	28.5	24.4	21.7	19.0	17.6	14.9	12.2	10.8	9.5	8.1
75°	21.7	20.3	17.6	14.9	13.6	12.2	10.8	9.5	8.1	6.8	6.8
77.5°	14.9	13.6	12.2	10.8	9.5	9.5	8.1	6.8	5.4	5.4	4.1
80°	9.5	8.1	8.1	6.8	6.8	6.8	5.4	4.1	4.1	4.1	2.7
82.5°	6.8	5.4	5.4	4.1	4.1	4.1	4.1	2.7	2.7	2.7	1.4
85°	4.1	2.7	2.7	2.7	2.7	2.7	2.7	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



TEST NUMBER: P212797

CATALOG NUMBER: LD6B20D010 EU6B10208030 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8
2.5°	1155.3	1167.5	1167.5	1178.3	1179.7	1177.0	1164.8	1164.8	1181.0	1190.5	1174.3
5°	1166.1	1178.3	1178.3	1189.2	1194.6	1190.5	1178.3	1179.7	1196.0	1206.8	1190.5
7.5°	1175.6	1187.8	1190.5	1202.7	1206.8	1202.7	1190.5	1193.3	1210.9	1220.4	1204.1
10°	1179.7	1191.9	1193.3	1206.8	1212.2	1206.8	1197.3	1198.7	1217.7	1224.4	1209.5
12.5°	1189.2	1201.4	1201.4	1216.3	1221.7	1217.7	1205.5	1208.2	1227.2	1233.9	1219.0
15°	1198.7	1210.9	1210.9	1227.2	1233.9	1228.5	1219.0	1220.4	1239.4	1246.1	1233.9
17.5°	1198.7	1209.5	1209.5	1227.2	1233.9	1229.9	1219.0	1220.4	1240.7	1246.1	1233.9
20°	1181.0	1193.3	1190.5	1208.2	1214.9	1210.9	1201.4	1201.4	1221.7	1227.2	1214.9
22.5°	1152.6	1163.4	1160.7	1177.0	1185.1	1179.7	1171.6	1170.2	1190.5	1196.0	1183.8
25°	1113.3	1124.1	1121.4	1137.7	1145.8	1139.0	1129.5	1130.9	1147.1	1155.3	1144.4
27.5°	1067.1	1073.9	1069.9	1086.1	1094.3	1087.5	1078.0	1079.4	1095.6	1101.0	1092.9
30°	1004.8	1010.2	1006.1	1019.7	1025.1	1021.0	1012.9	1012.9	1027.8	1034.6	1026.5
32.5°	930.2	934.3	930.2	941.0	951.9	943.8	935.6	935.6	951.9	957.3	947.8
35°	843.4	847.5	844.8	855.6	863.8	852.9	846.1	843.4	865.1	862.4	857.0
37.5°	747.1	749.9	741.7	760.7	764.8	752.6	747.1	744.4	763.4	762.1	756.6
40°	638.7	641.4	635.9	649.5	650.9	641.4	637.3	633.2	652.2	650.9	646.8
42.5°	523.4	524.8	518.0	528.8	531.5	522.0	520.7	515.3	532.9	530.2	528.8
45°	404.1	404.1	398.7	406.8	409.5	401.4	398.7	397.3	409.5	409.5	406.8
47.5°	292.9	288.8	282.0	294.2	295.6	290.2	288.8	284.8	297.0	297.0	294.2
50°	200.7	199.3	198.0	200.7	202.0	195.3	199.3	195.3	202.0	202.0	202.0
52.5°	134.2	132.9	130.2	132.9	132.9	128.8	128.8	127.5	132.9	132.9	130.2
55°	84.1	82.7	81.4	82.7	82.7	78.6	81.4	78.6	81.4	81.4	80.0
57.5°	51.5	48.8	48.8	47.5	47.5	44.7	46.1	46.1	46.1	46.1	46.1
60°	29.8	28.5	27.1	27.1	27.1	25.8	25.8	25.8	25.8	25.8	25.8
62.5°	19.0	19.0	17.6	17.6	17.6	17.6	17.6	16.3	17.6	17.6	17.6
65°	16.3	14.9	14.9	14.9	14.9	13.6	13.6	13.6	13.6	13.6	13.6
67.5°	13.6	12.2	12.2	12.2	12.2	10.8	10.8	10.8	10.8	10.8	10.8
70°	10.8	9.5	9.5	9.5	9.5	9.5	8.1	9.5	9.5	8.1	8.1
72.5°	8.1	8.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
75°	5.4	5.4	5.4	5.4	5.4	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	4.1	4.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7	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: P212797

CATALOG NUMBER: LD6B20D010 EU6B10208030 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8
2.5°	1193.3	1179.7	1172.9	1186.5	1191.9	1185.1	1179.7	1170.2	1179.7	1185.1	1191.9
5°	1209.5	1197.3	1191.9	1201.4	1209.5	1202.7	1198.7	1189.2	1198.7	1202.7	1209.5
7.5°	1224.4	1212.2	1205.5	1214.9	1224.4	1214.9	1210.9	1202.7	1210.9	1214.9	1224.4
10°	1229.9	1216.3	1210.9	1219.0	1228.5	1219.0	1213.6	1208.2	1213.6	1219.0	1228.5
12.5°	1239.4	1225.8	1219.0	1225.8	1235.3	1225.8	1220.4	1216.3	1220.4	1225.8	1235.3
15°	1252.9	1240.7	1232.6	1239.4	1251.6	1240.7	1233.9	1232.6	1233.9	1240.7	1251.6
17.5°	1252.9	1243.4	1235.3	1240.7	1252.9	1244.8	1235.3	1238.0	1235.3	1244.8	1252.9
20°	1235.3	1225.8	1219.0	1219.0	1236.6	1225.8	1217.7	1221.7	1217.7	1225.8	1236.6
22.5°	1204.1	1196.0	1189.2	1187.8	1205.5	1196.0	1185.1	1193.3	1185.1	1196.0	1205.5
25°	1163.4	1155.3	1149.9	1147.1	1164.8	1153.9	1144.4	1152.6	1144.4	1153.9	1164.8
27.5°	1110.5	1103.8	1098.3	1094.3	1110.5	1101.0	1091.6	1099.7	1091.6	1101.0	1110.5
30°	1042.7	1038.7	1033.2	1027.8	1044.1	1034.6	1025.1	1036.0	1025.1	1034.6	1044.1
32.5°	964.1	961.4	954.6	949.2	965.4	954.6	947.8	956.0	947.8	954.6	965.4
35°	873.2	869.2	865.1	855.6	873.2	863.8	863.8	866.5	863.8	863.8	873.2
37.5°	771.5	768.8	763.4	755.3	770.2	763.4	760.7	768.8	760.7	763.4	770.2
40°	657.6	656.3	652.2	642.7	659.0	652.2	648.2	659.0	648.2	652.2	659.0
42.5°	538.3	535.6	531.5	530.2	538.3	532.9	537.0	537.0	537.0	532.9	538.3
45°	414.9	412.2	409.5	404.1	413.6	410.9	409.5	412.2	409.5	410.9	413.6
47.5°	301.0	298.3	295.6	291.5	301.0	297.0	297.0	299.7	297.0	297.0	301.0
50°	202.0	203.4	202.0	199.3	202.0	200.7	202.0	204.8	202.0	200.7	202.0
52.5°	134.2	134.2	131.5	130.2	132.9	131.5	135.6	132.9	135.6	131.5	132.9
55°	81.4	82.7	81.4	80.0	81.4	80.0	84.1	82.7	84.1	80.0	81.4
57.5°	46.1	46.1	47.5	46.1	48.8	47.5	47.5	47.5	47.5	47.5	48.8
60°	25.8	25.8	25.8	25.8	25.8	25.8	27.1	25.8	27.1	25.8	25.8
62.5°	17.6	17.6	17.6	16.3	17.6	16.3	17.6	17.6	17.6	16.3	17.6
65°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6
67.5°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
70°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
72.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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: P212797

CATALOG NUMBER: LD6B20D010 EU6B10208030 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8
2.5°	1186.5	1172.9	1179.7	1193.3	1174.3	1190.5	1181.0	1164.8	1164.8	1177.0	1179.7
5°	1201.4	1191.9	1197.3	1209.5	1190.5	1206.8	1196.0	1179.7	1178.3	1190.5	1194.6
7.5°	1214.9	1205.5	1212.2	1224.4	1204.1	1220.4	1210.9	1193.3	1190.5	1202.7	1206.8
10°	1219.0	1210.9	1216.3	1229.9	1209.5	1224.4	1217.7	1198.7	1197.3	1206.8	1212.2
12.5°	1225.8	1219.0	1225.8	1239.4	1219.0	1233.9	1227.2	1208.2	1205.5	1217.7	1221.7
15°	1239.4	1232.6	1240.7	1252.9	1233.9	1246.1	1239.4	1220.4	1219.0	1228.5	1233.9
17.5°	1240.7	1235.3	1243.4	1252.9	1233.9	1246.1	1240.7	1220.4	1219.0	1229.9	1233.9
20°	1219.0	1219.0	1225.8	1235.3	1214.9	1227.2	1221.7	1201.4	1201.4	1210.9	1214.9
22.5°	1187.8	1189.2	1196.0	1204.1	1183.8	1196.0	1190.5	1170.2	1171.6	1179.7	1185.1
25°	1147.1	1149.9	1155.3	1163.4	1144.4	1155.3	1147.1	1130.9	1129.5	1139.0	1145.8
27.5°	1094.3	1098.3	1103.8	1110.5	1092.9	1101.0	1095.6	1079.4	1078.0	1087.5	1094.3
30°	1027.8	1033.2	1038.7	1042.7	1026.5	1034.6	1027.8	1012.9	1012.9	1021.0	1025.1
32.5°	949.2	954.6	961.4	964.1	947.8	957.3	951.9	935.6	935.6	943.8	951.9
35°	855.6	865.1	869.2	873.2	857.0	862.4	865.1	843.4	846.1	852.9	863.8
37.5°	755.3	763.4	768.8	771.5	756.6	762.1	763.4	744.4	747.1	752.6	764.8
40°	642.7	652.2	656.3	657.6	646.8	650.9	652.2	633.2	637.3	641.4	650.9
42.5°	530.2	531.5	535.6	538.3	528.8	530.2	532.9	515.3	520.7	522.0	531.5
45°	404.1	409.5	412.2	414.9	406.8	409.5	409.5	397.3	398.7	401.4	409.5
47.5°	291.5	295.6	298.3	301.0	294.2	297.0	297.0	284.8	288.8	290.2	295.6
50°	199.3	202.0	203.4	202.0	202.0	202.0	202.0	195.3	199.3	195.3	202.0
52.5°	130.2	131.5	134.2	134.2	130.2	132.9	132.9	127.5	128.8	128.8	132.9
55°	80.0	81.4	82.7	81.4	80.0	81.4	81.4	78.6	81.4	78.6	82.7
57.5°	46.1	47.5	46.1	46.1	46.1	46.1	46.1	46.1	46.1	44.7	47.5
60°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.8	27.1
62.5°	16.3	17.6	17.6	17.6	17.6	17.6	17.6	16.3	17.6	17.6	17.6
65°	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	13.6	14.9
67.5°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	12.2
70°	8.1	8.1	8.1	8.1	8.1	8.1	9.5	9.5	8.1	9.5	9.5
72.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
75°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	5.4
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
80°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7
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: P212797

CATALOG NUMBER: LD6B20D010 EU6B10208030 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8
2.5°	1178.3	1167.5	1167.5	1155.3	1166.1	1167.5	1153.9	1149.9	1164.8	1148.5	1156.6
5°	1189.2	1178.3	1178.3	1166.1	1174.3	1174.3	1160.7	1153.9	1168.8	1152.6	1159.4
7.5°	1202.7	1190.5	1187.8	1175.6	1182.4	1183.8	1167.5	1158.0	1172.9	1153.9	1160.7
10°	1206.8	1193.3	1191.9	1179.7	1185.1	1186.5	1167.5	1159.4	1171.6	1151.2	1155.3
12.5°	1216.3	1201.4	1201.4	1189.2	1193.3	1193.3	1174.3	1163.4	1174.3	1153.9	1156.6
15°	1227.2	1210.9	1210.9	1198.7	1201.4	1202.7	1179.7	1168.8	1178.3	1156.6	1159.4
17.5°	1227.2	1209.5	1209.5	1198.7	1200.0	1198.7	1177.0	1164.8	1171.6	1148.5	1149.9
20°	1208.2	1190.5	1193.3	1181.0	1182.4	1181.0	1158.0	1145.8	1152.6	1128.2	1130.9
22.5°	1177.0	1160.7	1163.4	1152.6	1152.6	1151.2	1129.5	1117.3	1124.1	1099.7	1101.0
25°	1137.7	1121.4	1124.1	1113.3	1114.6	1114.6	1092.9	1079.4	1086.1	1064.4	1064.4
27.5°	1086.1	1069.9	1073.9	1067.1	1063.1	1064.4	1045.5	1031.9	1038.7	1018.3	1018.3
30°	1019.7	1006.1	1010.2	1004.8	1000.7	1000.7	984.4	970.9	977.7	960.0	958.7
32.5°	941.0	930.2	934.3	930.2	926.1	930.2	912.6	899.0	905.8	892.2	893.6
35°	855.6	844.8	847.5	843.4	840.7	843.4	825.8	816.3	823.1	809.5	814.9
37.5°	760.7	741.7	749.9	747.1	744.4	745.8	729.5	722.7	730.9	722.7	726.8
40°	649.5	635.9	641.4	638.7	635.9	642.7	630.5	621.0	627.8	622.4	630.5
42.5°	528.8	518.0	524.8	523.4	519.3	527.5	518.0	511.2	522.0	519.3	526.1
45°	406.8	398.7	404.1	404.1	402.7	409.5	400.0	401.4	412.2	416.3	424.4
47.5°	294.2	282.0	288.8	292.9	292.9	299.7	294.2	299.7	311.9	320.0	326.8
50°	200.7	198.0	199.3	200.7	203.4	208.8	207.5	215.6	223.7	237.3	245.4
52.5°	132.9	130.2	132.9	134.2	137.0	142.4	142.4	151.9	161.4	173.6	183.1
55°	82.7	81.4	82.7	84.1	86.8	92.2	93.6	103.1	112.5	124.7	132.9
57.5°	47.5	48.8	48.8	51.5	52.9	57.0	61.0	66.4	77.3	89.5	97.6
60°	27.1	27.1	28.5	29.8	31.2	35.3	38.0	43.4	51.5	63.7	69.2
62.5°	17.6	17.6	19.0	19.0	20.3	23.1	25.8	31.2	38.0	47.5	52.9
65°	14.9	14.9	14.9	16.3	16.3	19.0	21.7	25.8	31.2	38.0	43.4
67.5°	12.2	12.2	12.2	13.6	13.6	14.9	17.6	20.3	24.4	29.8	33.9
70°	9.5	9.5	9.5	10.8	10.8	12.2	13.6	14.9	19.0	23.1	25.8
72.5°	6.8	6.8	8.1	8.1	8.1	9.5	10.8	12.2	14.9	17.6	19.0
75°	5.4	5.4	5.4	5.4	6.8	6.8	8.1	9.5	10.8	12.2	13.6
77.5°	2.7	2.7	4.1	4.1	4.1	5.4	5.4	6.8	8.1	9.5	9.5
80°	2.7	2.7	2.7	2.7	2.7	4.1	4.1	4.1	5.4	6.8	6.8
82.5°	1.4	1.4	1.4	1.4	1.4	2.7	2.7	2.7	4.1	4.1	4.1
85°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.7	2.7	2.7
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: P212797

CATALOG NUMBER: LD6B20D010 EU6B10208030 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8	1164.8
2.5°	1147.1	1151.2	1151.2	1147.1	1136.3	1145.8	1155.3	1145.8	1158.0	1136.3	1136.3
5°	1147.1	1149.9	1148.5	1143.1	1132.2	1140.4	1147.1	1137.7	1147.1	1126.8	1125.5
7.5°	1149.9	1147.1	1144.4	1137.7	1124.1	1129.5	1136.3	1125.5	1134.9	1113.3	1110.5
10°	1144.4	1140.4	1134.9	1125.5	1110.5	1114.6	1118.7	1109.2	1116.0	1094.3	1092.9
12.5°	1144.4	1137.7	1129.5	1118.7	1102.4	1105.1	1109.2	1097.0	1102.4	1082.1	1079.4
15°	1147.1	1134.9	1125.5	1113.3	1095.6	1097.0	1099.7	1086.1	1091.6	1069.9	1068.5
17.5°	1137.7	1124.1	1114.6	1099.7	1080.7	1082.1	1082.1	1068.5	1072.6	1050.9	1049.5
20°	1117.3	1101.0	1090.2	1076.6	1056.3	1056.3	1056.3	1042.7	1045.5	1026.5	1023.8
22.5°	1088.8	1071.2	1060.4	1046.8	1027.8	1026.5	1025.1	1014.3	1014.3	996.6	992.6
25°	1050.9	1034.6	1023.8	1011.6	992.6	989.9	989.9	980.4	979.0	962.7	960.0
27.5°	1007.5	988.5	979.0	968.2	950.5	947.8	946.5	941.0	938.3	920.7	919.3
30°	949.2	932.9	924.8	915.3	899.0	896.3	894.9	889.5	888.2	870.5	870.5
32.5°	886.8	866.5	861.0	851.5	839.3	838.0	839.3	832.6	827.1	814.9	812.2
35°	812.2	791.9	787.8	783.7	774.3	771.5	770.2	768.8	762.1	753.9	749.9
37.5°	725.4	707.8	707.8	706.5	699.7	699.7	699.7	697.0	690.2	687.5	679.3
40°	631.9	618.3	619.7	621.0	618.3	619.7	621.0	618.3	612.9	610.2	603.4
42.5°	531.5	524.8	530.2	534.3	534.3	538.3	541.0	541.0	534.3	532.9	527.5
45°	431.2	429.8	440.7	448.8	451.5	458.3	462.4	459.7	459.7	459.7	454.2
47.5°	337.6	343.1	352.6	368.8	374.2	382.4	385.1	389.2	387.8	389.2	385.1
50°	256.3	268.5	280.7	297.0	305.1	314.6	318.7	324.1	324.1	325.4	322.7
52.5°	193.9	203.4	223.7	234.6	244.1	253.6	259.0	264.4	265.8	265.8	263.1
55°	143.7	157.3	170.9	185.8	193.9	203.4	207.5	212.9	212.9	215.6	212.9
57.5°	104.4	118.0	132.9	143.7	153.2	160.0	164.1	168.1	170.9	170.9	169.5
60°	77.3	88.1	100.3	111.2	119.3	126.1	128.8	132.9	134.2	134.2	131.5
62.5°	58.3	69.2	80.0	89.5	94.9	100.3	103.1	105.8	105.8	105.8	104.4
65°	47.5	55.6	63.7	71.9	77.3	81.4	82.7	85.4	84.1	85.4	84.1
67.5°	38.0	43.4	50.2	55.6	59.7	62.4	63.7	66.4	65.1	66.4	65.1
70°	28.5	33.9	38.0	42.0	44.7	47.5	48.8	50.2	48.8	50.2	48.8
72.5°	21.7	24.4	28.5	32.5	33.9	35.3	36.6	36.6	36.6	38.0	36.6
75°	14.9	17.6	20.3	21.7	24.4	25.8	25.8	27.1	27.1	27.1	27.1
77.5°	10.8	12.2	13.6	14.9	16.3	17.6	17.6	19.0	19.0	19.0	19.0
80°	6.8	8.1	8.1	9.5	10.8	10.8	12.2	12.2	12.2	12.2	12.2
82.5°	4.1	5.4	5.4	6.8	6.8	6.8	8.1	8.1	8.1	8.1	8.1
85°	2.7	2.7	2.7	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	2.7	2.7	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: P212797

CATALOG NUMBER: LD6B20D010 EU6B10208030 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	1164.8	1164.8	1164.8	1164.8
2.5°	1147.1	1140.4	1151.2	1134.9
5°	1134.9	1128.2	1141.7	1121.4
7.5°	1120.0	1113.3	1125.5	1105.1
10°	1101.0	1094.3	1105.1	1083.4
12.5°	1084.8	1078.0	1090.2	1069.9
15°	1072.6	1065.8	1076.6	1057.7
17.5°	1053.6	1045.5	1057.7	1037.3
20°	1026.5	1021.0	1030.5	1010.2
22.5°	995.3	989.9	1000.7	980.4
25°	962.7	956.0	966.8	946.5
27.5°	920.7	915.3	926.1	905.8
30°	870.5	865.1	876.0	857.0
32.5°	813.6	808.2	816.3	800.0
35°	748.5	744.4	752.6	734.9
37.5°	678.0	673.9	682.1	664.4
40°	602.1	598.0	604.8	596.6
42.5°	527.5	523.4	530.2	523.4
45°	454.2	451.5	458.3	451.5
47.5°	386.5	383.7	390.5	383.7
50°	321.4	322.7	325.4	322.7
52.5°	263.1	263.1	267.1	263.1
55°	212.9	214.2	215.6	212.9
57.5°	169.5	169.5	170.9	169.5
60°	131.5	132.9	132.9	131.5
62.5°	104.4	104.4	104.4	104.4
65°	82.7	82.7	84.1	82.7
67.5°	65.1	63.7	65.1	63.7
70°	48.8	48.8	48.8	48.8
72.5°	38.0	38.0	36.6	36.6
75°	27.1	28.5	27.1	27.1
77.5°	19.0	19.0	19.0	19.0
80°	12.2	12.2	12.2	12.2
82.5°	8.1	8.1	8.1	8.1
85°	5.4	4.1	4.1	4.1
87.5°	2.7	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)