

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: P212784

Luminaire Tested: **LE_6B15D010 EC6B10208030 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212784
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_6B15D010 EC6B10208030 6LBSWL1
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: 1751.1 lumens
Efficiency: N/A
Efficacy: 121.6 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

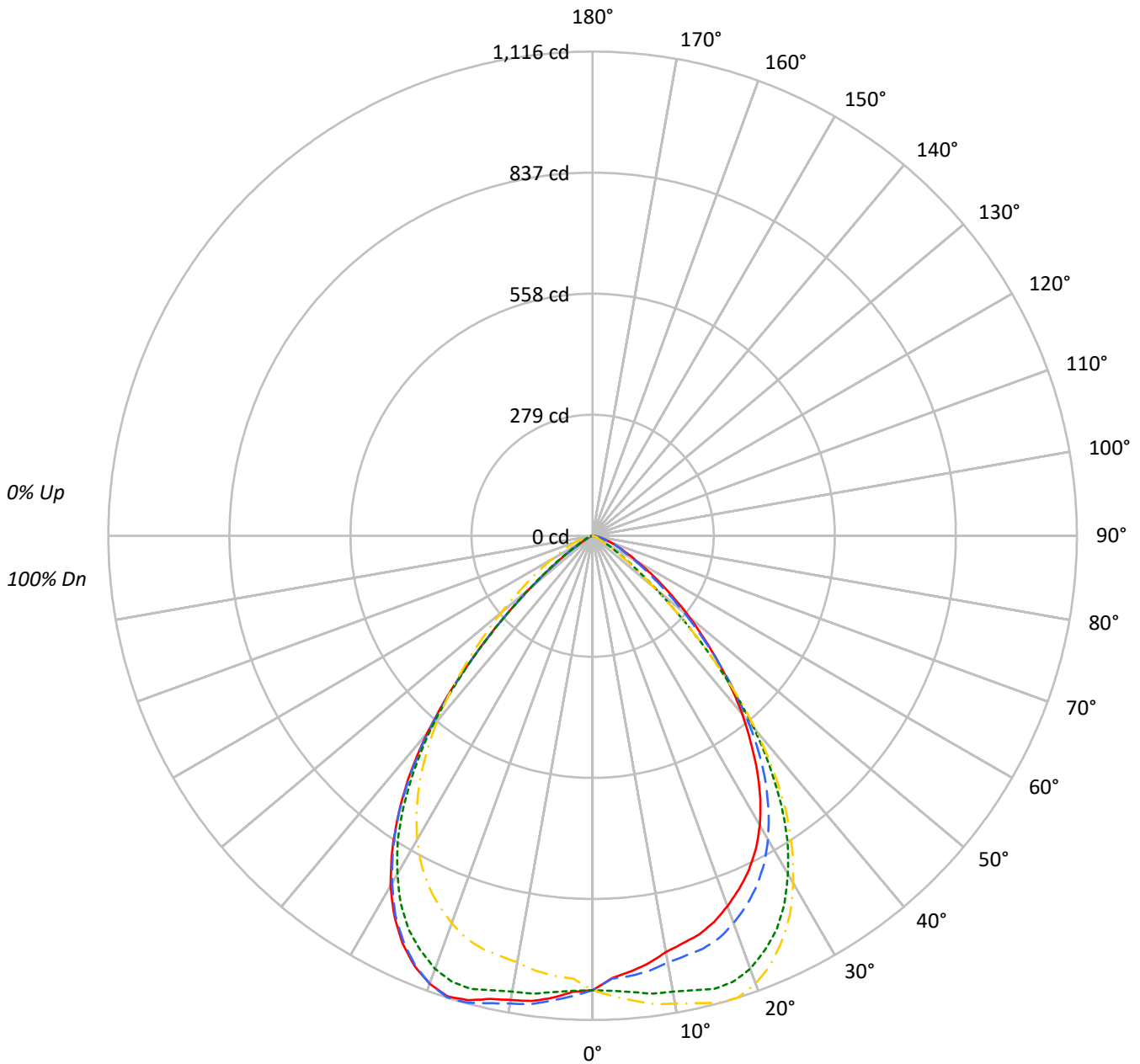
Input Watts (W): 14.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212784

CATALOG NUMBER: LE_6B15D010 EC6B10208030 6LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212784

CATALOG NUMBER: LE_6B15D010 EC6B10208030 6LBSWL11

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				50				30				10			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			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°	57419	57419	57419	57419
5°	55481	58106	58838	58106
10°	54224	59390	60475	59390
15°	53973	61379	62895	61379
20°	52995	61955	64085	61955
25°	51475	60620	62689	60620
30°	48773	56958	58965	56958
35°	44229	50754	52140	50754
40°	38393	41356	42401	41356
45°	31476	28546	28732	28546
50°	24741	16017	15701	16017
55°	18293	7923	7111	7923
60°	12959	3487	2533	3487
65°	9651	2218	1583	2218
70°	7036	1763	1186	1763
75°	5168	1292	763	1292
80°	3473	1137	379	1137
85°	2264	755	755	755



TEST NUMBER: P212784

CATALOG NUMBER: LE_6B15D010 EC6B10208030 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.3	5.7
10°-20°	297.0	17.0
20°-30°	443.1	25.3
30°-40°	455.3	26.0
40°-50°	294.8	16.8
50°-60°	109.6	6.3
60°-70°	36.0	2.1
70°-80°	12.7	0.7
80°-90°	2.3	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°	840.4	48.0
0°-40°	1295.6	74.0
0°-60°	1700.1	97.1
0°-90°	1751.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1751.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1047	1047	1047	1047	1047	
5°	1008	1056	1069	1056	1008	95
15°	951	1082	1108	1082	951	267
25°	851	1002	1036	1002	851	390
35°	661	758	779	758	661	410
45°	406	368	371	368	406	314
55°	191	83	74	83	191	174
65°	74	17	12	17	74	76
75°	24	6	4	6	24	27
85°	4	1	1	1	4	5
90°	0	0	0	0	0	



TEST NUMBER: P212784

CATALOG NUMBER: LE_6B15D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4
2.5°	1020.5	1035.1	1025.4	1031.5	1021.8	1021.8	1041.2	1030.2	1038.8	1030.2	1021.8
5°	1008.2	1026.6	1014.4	1020.5	1012.0	1013.2	1031.5	1023.0	1031.5	1025.4	1018.1
7.5°	993.6	1012.0	1001.0	1007.1	998.5	1001.0	1020.5	1012.0	1021.8	1015.6	1010.8
10°	974.1	993.6	983.9	990.0	982.8	983.9	1003.4	997.4	1005.9	1002.2	998.5
12.5°	962.0	980.2	969.2	975.4	970.5	973.0	991.2	986.4	997.4	993.6	991.2
15°	951.0	968.1	958.4	964.4	960.8	962.0	981.5	976.6	988.8	986.4	985.1
17.5°	932.8	951.0	940.0	947.4	943.8	944.9	964.4	960.8	973.0	973.0	971.8
20°	908.4	926.6	918.1	923.0	920.5	923.0	940.0	937.6	949.8	949.8	949.8
22.5°	881.5	899.8	890.0	894.9	892.5	896.1	912.0	912.0	921.8	923.0	924.1
25°	851.0	869.4	859.6	865.6	863.2	865.6	880.2	881.5	890.0	890.0	892.5
27.5°	814.5	832.8	823.0	827.9	826.6	827.9	843.8	846.1	851.0	852.2	854.6
30°	770.5	787.6	777.9	782.8	782.8	782.8	798.6	799.9	804.8	805.9	808.4
32.5°	719.4	734.0	726.6	731.5	730.4	732.8	743.8	748.6	754.8	753.5	754.8
35°	660.9	676.6	669.4	673.0	674.2	677.9	685.2	691.2	692.5	693.8	696.1
37.5°	597.4	613.2	606.0	609.6	610.9	618.1	620.6	626.8	629.1	629.1	629.1
40°	536.5	543.8	537.6	541.4	542.5	548.6	551.1	556.0	558.4	557.2	556.0
42.5°	470.6	476.8	470.6	474.2	474.2	479.1	480.4	486.5	486.5	484.0	480.4
45°	406.0	412.1	406.0	408.5	408.5	413.4	413.4	413.4	415.8	412.1	406.0
47.5°	345.0	351.1	345.0	347.5	346.2	349.9	348.8	349.9	346.2	343.9	336.5
50°	290.1	292.6	290.1	289.0	290.1	292.6	291.4	291.4	286.5	282.9	274.4
52.5°	236.5	240.2	236.5	236.5	236.5	239.0	239.0	237.8	232.9	228.0	219.5
55°	191.4	193.9	192.6	191.4	191.4	193.9	191.4	191.4	186.5	182.9	174.4
57.5°	152.4	153.6	152.4	152.4	152.4	153.6	153.6	151.1	147.5	143.9	137.8
60°	118.2	119.5	119.5	118.2	118.2	120.8	120.8	119.5	115.9	113.4	107.2
62.5°	93.9	93.9	93.9	93.9	93.9	95.1	95.1	95.1	92.6	90.2	85.4
65°	74.4	75.6	74.4	74.4	75.6	76.8	75.6	76.8	74.4	73.1	69.5
67.5°	57.2	58.5	57.2	58.5	58.5	59.8	58.5	59.8	57.2	56.1	53.6
70°	43.9	43.9	43.9	43.9	43.9	45.1	43.9	45.1	43.9	42.6	40.2
72.5°	32.9	32.9	34.1	34.1	32.9	34.1	32.9	32.9	32.9	31.8	30.5
75°	24.4	24.4	25.6	24.4	24.4	24.4	24.4	24.4	23.1	23.1	22.0
77.5°	17.1	17.1	17.1	17.1	17.1	17.1	17.1	17.1	15.9	15.9	14.6
80°	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	11.0	9.8	9.8
82.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	6.1	6.1
85°	3.6	3.6	3.6	4.9	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	1.2	1.2	1.2	2.5	1.2	1.2	2.5	2.5	1.2	1.2	1.2
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: P212784

CATALOG NUMBER: LE_6B15D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4
2.5°	1031.5	1035.1	1035.1	1031.5	1040.0	1032.8	1047.4	1033.9	1037.6	1049.8	1048.5
5°	1027.9	1032.8	1033.9	1031.5	1042.5	1036.4	1051.0	1037.6	1043.6	1055.9	1055.9
7.5°	1023.0	1029.0	1031.5	1033.9	1043.6	1037.6	1054.6	1041.2	1049.8	1064.4	1063.1
10°	1012.0	1020.5	1025.4	1029.0	1038.8	1035.1	1053.4	1042.5	1049.8	1066.9	1065.6
12.5°	1005.9	1015.6	1023.0	1029.0	1040.0	1037.6	1055.9	1046.1	1055.9	1072.9	1072.9
15°	1001.0	1012.0	1020.5	1031.5	1042.5	1040.0	1059.5	1051.0	1060.8	1081.5	1080.2
17.5°	988.8	1002.2	1010.8	1023.0	1033.9	1032.8	1053.4	1047.4	1058.2	1077.8	1079.0
20°	968.1	980.2	990.0	1004.6	1016.9	1014.4	1036.4	1030.2	1041.2	1062.0	1063.1
22.5°	941.2	953.5	963.2	979.0	990.0	988.8	1010.8	1004.6	1015.6	1035.1	1036.4
25°	909.5	920.5	930.2	944.9	957.1	957.1	976.6	970.5	982.8	1002.2	1002.2
27.5°	870.5	880.2	888.9	905.9	915.6	915.6	934.0	927.9	940.0	957.1	955.9
30°	823.0	831.5	838.9	853.5	862.0	863.2	879.1	873.0	885.1	899.8	899.8
32.5°	765.6	774.2	779.1	797.4	803.5	802.2	814.5	808.4	820.5	836.4	832.8
35°	704.8	708.4	712.0	730.4	732.8	727.9	740.1	734.0	742.5	758.4	755.9
37.5°	635.2	636.5	636.5	652.2	653.5	649.9	657.1	649.9	656.0	670.6	669.4
40°	558.4	557.2	556.0	568.1	567.0	559.6	564.5	558.4	567.0	577.9	571.9
42.5°	480.4	476.8	471.9	478.0	473.1	467.0	469.4	459.6	465.8	474.2	467.0
45°	403.6	396.2	386.5	387.8	381.6	374.2	370.6	360.9	359.6	368.2	362.1
47.5°	331.6	317.0	308.5	303.6	293.9	287.8	280.4	269.5	264.6	269.5	263.4
50°	267.0	252.4	241.4	230.4	220.6	213.4	201.1	193.9	186.5	187.8	182.9
52.5°	210.9	201.1	182.9	174.4	164.6	156.1	145.1	136.5	128.0	128.0	123.1
55°	167.0	153.6	141.4	129.2	119.5	112.1	101.2	92.6	84.1	82.9	78.0
57.5°	129.2	119.5	106.1	93.9	87.8	80.5	69.5	59.8	54.9	51.2	47.5
60°	100.0	90.2	79.2	69.5	62.1	57.2	46.4	39.0	34.1	31.8	28.0
62.5°	80.5	71.9	62.1	52.4	47.5	42.6	34.1	28.0	23.1	20.8	18.2
65°	64.6	57.2	50.0	42.6	39.0	34.1	28.0	23.1	19.5	17.1	14.6
67.5°	50.0	45.1	39.0	34.1	30.5	26.9	22.0	18.2	15.9	13.4	12.2
70°	37.8	34.1	30.5	25.6	23.1	20.8	17.1	13.4	12.2	11.0	9.8
72.5°	29.2	25.6	22.0	19.5	17.1	15.9	13.4	11.0	9.8	8.5	7.4
75°	19.5	18.2	15.9	13.4	12.2	11.0	9.8	8.5	7.4	6.1	6.1
77.5°	13.4	12.2	11.0	9.8	8.5	8.5	7.4	6.1	4.9	4.9	3.6
80°	8.5	7.4	7.4	6.1	6.1	6.1	4.9	3.6	3.6	3.6	2.5
82.5°	6.1	4.9	4.9	3.6	3.6	3.6	3.6	2.5	2.5	2.5	1.2
85°	3.6	2.5	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	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: P212784

CATALOG NUMBER: LE_6B15D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4
2.5°	1038.8	1049.8	1049.8	1059.5	1060.8	1058.2	1047.4	1047.4	1062.0	1070.5	1055.9
5°	1048.5	1059.5	1059.5	1069.2	1074.1	1070.5	1059.5	1060.8	1075.4	1085.1	1070.5
7.5°	1057.1	1068.0	1070.5	1081.5	1085.1	1081.5	1070.5	1072.9	1088.8	1097.4	1082.6
10°	1060.8	1071.8	1072.9	1085.1	1090.0	1085.1	1076.6	1077.8	1094.9	1101.0	1087.5
12.5°	1069.2	1080.2	1080.2	1093.6	1098.5	1094.9	1083.9	1086.4	1103.4	1109.5	1096.1
15°	1077.8	1088.8	1088.8	1103.4	1109.5	1104.6	1096.1	1097.4	1114.4	1120.5	1109.5
17.5°	1077.8	1087.5	1087.5	1103.4	1109.5	1105.9	1096.1	1097.4	1115.6	1120.5	1109.5
20°	1062.0	1072.9	1070.5	1086.4	1092.5	1088.8	1080.2	1080.2	1098.5	1103.4	1092.5
22.5°	1036.4	1046.1	1043.6	1058.2	1065.6	1060.8	1053.4	1052.2	1070.5	1075.4	1064.4
25°	1001.0	1010.8	1008.2	1023.0	1030.2	1024.1	1015.6	1016.9	1031.5	1038.8	1029.0
27.5°	959.5	965.6	962.0	976.6	983.9	977.9	969.2	970.5	985.1	990.0	982.8
30°	903.5	908.4	904.6	916.9	921.8	918.1	910.8	910.8	924.1	930.2	923.0
32.5°	836.4	840.0	836.4	846.1	855.9	848.6	841.2	841.2	855.9	860.8	852.2
35°	758.4	762.0	759.6	769.4	776.6	766.9	760.8	758.4	777.9	775.4	770.5
37.5°	671.8	674.2	666.9	684.0	687.6	676.6	671.8	669.4	686.4	685.2	680.4
40°	574.2	576.8	571.9	584.0	585.2	576.8	573.0	569.4	586.5	585.2	581.6
42.5°	470.6	471.9	465.8	475.5	478.0	469.4	468.2	463.2	479.1	476.8	475.5
45°	363.4	363.4	358.5	365.8	368.2	360.9	358.5	357.2	368.2	368.2	365.8
47.5°	263.4	259.8	253.6	264.6	265.8	260.9	259.8	256.0	267.0	267.0	264.6
50°	180.5	179.2	178.0	180.5	181.6	175.6	179.2	175.6	181.6	181.6	181.6
52.5°	120.8	119.5	117.0	119.5	119.5	115.9	115.9	114.6	119.5	119.5	117.0
55°	75.6	74.4	73.1	74.4	74.4	70.8	73.1	70.8	73.1	73.1	71.9
57.5°	46.4	43.9	43.9	42.6	42.6	40.2	41.5	41.5	41.5	41.5	41.5
60°	26.9	25.6	24.4	24.4	24.4	23.1	23.1	23.1	23.1	23.1	23.1
62.5°	17.1	17.1	15.9	15.9	15.9	15.9	15.9	14.6	15.9	15.9	15.9
65°	14.6	13.4	13.4	13.4	13.4	12.2	12.2	12.2	12.2	12.2	12.2
67.5°	12.2	11.0	11.0	11.0	11.0	9.8	9.8	9.8	9.8	9.8	9.8
70°	9.8	8.5	8.5	8.5	8.5	8.5	7.4	8.5	8.5	7.4	7.4
72.5°	7.4	7.4	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
75°	4.9	4.9	4.9	4.9	4.9	3.6	3.6	3.6	3.6	3.6	3.6
77.5°	3.6	3.6	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2	0.0	1.2	0.0	1.2	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: P212784

CATALOG NUMBER: LE_6B15D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4
2.5°	1072.9	1060.8	1054.6	1066.9	1071.8	1065.6	1060.8	1052.2	1060.8	1065.6	1071.8
5°	1087.5	1076.6	1071.8	1080.2	1087.5	1081.5	1077.8	1069.2	1077.8	1081.5	1087.5
7.5°	1101.0	1090.0	1083.9	1092.5	1101.0	1092.5	1088.8	1081.5	1088.8	1092.5	1101.0
10°	1105.9	1093.6	1088.8	1096.1	1104.6	1096.1	1091.2	1086.4	1091.2	1096.1	1104.6
12.5°	1114.4	1102.2	1096.1	1102.2	1110.8	1102.2	1097.4	1093.6	1097.4	1102.2	1110.8
15°	1126.6	1115.6	1108.2	1114.4	1125.4	1115.6	1109.5	1108.2	1109.5	1115.6	1125.4
17.5°	1126.6	1118.0	1110.8	1115.6	1126.6	1119.2	1110.8	1113.1	1110.8	1119.2	1126.6
20°	1110.8	1102.2	1096.1	1096.1	1112.0	1102.2	1094.9	1098.5	1094.9	1102.2	1112.0
22.5°	1082.6	1075.4	1069.2	1068.0	1083.9	1075.4	1065.6	1072.9	1065.6	1075.4	1083.9
25°	1046.1	1038.8	1033.9	1031.5	1047.4	1037.6	1029.0	1036.4	1029.0	1037.6	1047.4
27.5°	998.5	992.5	987.6	983.9	998.5	990.0	981.5	988.8	981.5	990.0	998.5
30°	937.6	934.0	929.0	924.1	938.9	930.2	921.8	931.5	921.8	930.2	938.9
32.5°	866.9	864.5	858.4	853.5	868.1	858.4	852.2	859.6	852.2	858.4	868.1
35°	785.2	781.5	777.9	769.4	785.2	776.6	776.6	779.1	776.6	776.6	785.2
37.5°	693.8	691.2	686.4	679.1	692.5	686.4	684.0	691.2	684.0	686.4	692.5
40°	591.4	590.1	586.5	577.9	592.5	586.5	582.8	592.5	582.8	586.5	592.5
42.5°	484.0	481.6	478.0	476.8	484.0	479.1	482.9	482.9	482.9	479.1	484.0
45°	373.1	370.6	368.2	363.4	371.9	369.4	368.2	370.6	368.2	369.4	371.9
47.5°	270.6	268.2	265.8	262.1	270.6	267.0	267.0	269.5	267.0	267.0	270.6
50°	181.6	182.9	181.6	179.2	181.6	180.5	181.6	184.1	181.6	180.5	181.6
52.5°	120.8	120.8	118.2	117.0	119.5	118.2	121.9	119.5	121.9	118.2	119.5
55°	73.1	74.4	73.1	71.9	73.1	71.9	75.6	74.4	75.6	71.9	73.1
57.5°	41.5	41.5	42.6	41.5	43.9	42.6	42.6	42.6	42.6	42.6	43.9
60°	23.1	23.1	23.1	23.1	23.1	23.1	24.4	23.1	24.4	23.1	23.1
62.5°	15.9	15.9	15.9	14.6	15.9	14.6	15.9	15.9	15.9	14.6	15.9
65°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
67.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
70°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
72.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	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: P212784

CATALOG NUMBER: LE_6B15D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4
2.5°	1066.9	1054.6	1060.8	1072.9	1055.9	1070.5	1062.0	1047.4	1047.4	1058.2	1060.8
5°	1080.2	1071.8	1076.6	1087.5	1070.5	1085.1	1075.4	1060.8	1059.5	1070.5	1074.1
7.5°	1092.5	1083.9	1090.0	1101.0	1082.6	1097.4	1088.8	1072.9	1070.5	1081.5	1085.1
10°	1096.1	1088.8	1093.6	1105.9	1087.5	1101.0	1094.9	1077.8	1076.6	1085.1	1090.0
12.5°	1102.2	1096.1	1102.2	1114.4	1096.1	1109.5	1103.4	1086.4	1083.9	1094.9	1098.5
15°	1114.4	1108.2	1115.6	1126.6	1109.5	1120.5	1114.4	1097.4	1096.1	1104.6	1109.5
17.5°	1115.6	1110.8	1118.0	1126.6	1109.5	1120.5	1115.6	1097.4	1096.1	1105.9	1109.5
20°	1096.1	1096.1	1102.2	1110.8	1092.5	1103.4	1098.5	1080.2	1080.2	1088.8	1092.5
22.5°	1068.0	1069.2	1075.4	1082.6	1064.4	1075.4	1070.5	1052.2	1053.4	1060.8	1065.6
25°	1031.5	1033.9	1038.8	1046.1	1029.0	1038.8	1031.5	1016.9	1015.6	1024.1	1030.2
27.5°	983.9	987.6	992.5	998.5	982.8	990.0	985.1	970.5	969.2	977.9	983.9
30°	924.1	929.0	934.0	937.6	923.0	930.2	924.1	910.8	910.8	918.1	921.8
32.5°	853.5	858.4	864.5	866.9	852.2	860.8	855.9	841.2	841.2	848.6	855.9
35°	769.4	777.9	781.5	785.2	770.5	775.4	777.9	758.4	760.8	766.9	776.6
37.5°	679.1	686.4	691.2	693.8	680.4	685.2	686.4	669.4	671.8	676.6	687.6
40°	577.9	586.5	590.1	591.4	581.6	585.2	586.5	569.4	573.0	576.8	585.2
42.5°	476.8	478.0	481.6	484.0	475.5	476.8	479.1	463.2	468.2	469.4	478.0
45°	363.4	368.2	370.6	373.1	365.8	368.2	368.2	357.2	358.5	360.9	368.2
47.5°	262.1	265.8	268.2	270.6	264.6	267.0	267.0	256.0	259.8	260.9	265.8
50°	179.2	181.6	182.9	181.6	181.6	181.6	181.6	175.6	179.2	175.6	181.6
52.5°	117.0	118.2	120.8	120.8	117.0	119.5	119.5	114.6	115.9	115.9	119.5
55°	71.9	73.1	74.4	73.1	71.9	73.1	73.1	70.8	73.1	70.8	74.4
57.5°	41.5	42.6	41.5	41.5	41.5	41.5	41.5	41.5	41.5	40.2	42.6
60°	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	24.4
62.5°	14.6	15.9	15.9	15.9	15.9	15.9	15.9	14.6	15.9	15.9	15.9
65°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	13.4
67.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	11.0
70°	7.4	7.4	7.4	7.4	7.4	7.4	8.5	8.5	7.4	8.5	8.5
72.5°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
75°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.9
77.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	1.2	0.0	1.2
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: P212784

CATALOG NUMBER: LE_6B15D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4
2.5°	1059.5	1049.8	1049.8	1038.8	1048.5	1049.8	1037.6	1033.9	1047.4	1032.8	1040.0
5°	1069.2	1059.5	1059.5	1048.5	1055.9	1055.9	1043.6	1037.6	1051.0	1036.4	1042.5
7.5°	1081.5	1070.5	1068.0	1057.1	1063.1	1064.4	1049.8	1041.2	1054.6	1037.6	1043.6
10°	1085.1	1072.9	1071.8	1060.8	1065.6	1066.9	1049.8	1042.5	1053.4	1035.1	1038.8
12.5°	1093.6	1080.2	1080.2	1069.2	1072.9	1072.9	1055.9	1046.1	1055.9	1037.6	1040.0
15°	1103.4	1088.8	1088.8	1077.8	1080.2	1081.5	1060.8	1051.0	1059.5	1040.0	1042.5
17.5°	1103.4	1087.5	1087.5	1077.8	1079.0	1077.8	1058.2	1047.4	1053.4	1032.8	1033.9
20°	1086.4	1070.5	1072.9	1062.0	1063.1	1062.0	1041.2	1030.2	1036.4	1014.4	1016.9
22.5°	1058.2	1043.6	1046.1	1036.4	1036.4	1035.1	1015.6	1004.6	1010.8	988.8	990.0
25°	1023.0	1008.2	1010.8	1001.0	1002.2	1002.2	982.8	970.5	976.6	957.1	957.1
27.5°	976.6	962.0	965.6	959.5	955.9	957.1	940.0	927.9	934.0	915.6	915.6
30°	916.9	904.6	908.4	903.5	899.8	899.8	885.1	873.0	879.1	863.2	862.0
32.5°	846.1	836.4	840.0	836.4	832.8	836.4	820.5	808.4	814.5	802.2	803.5
35°	769.4	759.6	762.0	758.4	755.9	758.4	742.5	734.0	740.1	727.9	732.8
37.5°	684.0	666.9	674.2	671.8	669.4	670.6	656.0	649.9	657.1	649.9	653.5
40°	584.0	571.9	576.8	574.2	571.9	577.9	567.0	558.4	564.5	559.6	567.0
42.5°	475.5	465.8	471.9	470.6	467.0	474.2	465.8	459.6	469.4	467.0	473.1
45°	365.8	358.5	363.4	363.4	362.1	368.2	359.6	360.9	370.6	374.2	381.6
47.5°	264.6	253.6	259.8	263.4	263.4	269.5	264.6	269.5	280.4	287.8	293.9
50°	180.5	178.0	179.2	180.5	182.9	187.8	186.5	193.9	201.1	213.4	220.6
52.5°	119.5	117.0	119.5	120.8	123.1	128.0	128.0	136.5	145.1	156.1	164.6
55°	74.4	73.1	74.4	75.6	78.0	82.9	84.1	92.6	101.2	112.1	119.5
57.5°	42.6	43.9	43.9	46.4	47.5	51.2	54.9	59.8	69.5	80.5	87.8
60°	24.4	24.4	25.6	26.9	28.0	31.8	34.1	39.0	46.4	57.2	62.1
62.5°	15.9	15.9	17.1	17.1	18.2	20.8	23.1	28.0	34.1	42.6	47.5
65°	13.4	13.4	13.4	14.6	14.6	17.1	19.5	23.1	28.0	34.1	39.0
67.5°	11.0	11.0	11.0	12.2	12.2	13.4	15.9	18.2	22.0	26.9	30.5
70°	8.5	8.5	8.5	9.8	9.8	11.0	12.2	13.4	17.1	20.8	23.1
72.5°	6.1	6.1	7.4	7.4	7.4	8.5	9.8	11.0	13.4	15.9	17.1
75°	4.9	4.9	4.9	4.9	6.1	6.1	7.4	8.5	9.8	11.0	12.2
77.5°	2.5	2.5	3.6	3.6	3.6	4.9	4.9	6.1	7.4	8.5	8.5
80°	2.5	2.5	2.5	2.5	2.5	3.6	3.6	3.6	4.9	6.1	6.1
82.5°	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5	3.6	3.6	3.6
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	2.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
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: P212784

CATALOG NUMBER: LE_6B15D010 EC6B10208030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4	1047.4
2.5°	1031.5	1035.1	1035.1	1031.5	1021.8	1030.2	1038.8	1030.2	1041.2	1021.8	1021.8
5°	1031.5	1033.9	1032.8	1027.9	1018.1	1025.4	1031.5	1023.0	1031.5	1013.2	1012.0
7.5°	1033.9	1031.5	1029.0	1023.0	1010.8	1015.6	1021.8	1012.0	1020.5	1001.0	998.5
10°	1029.0	1025.4	1020.5	1012.0	998.5	1002.2	1005.9	997.4	1003.4	983.9	982.8
12.5°	1029.0	1023.0	1015.6	1005.9	991.2	993.6	997.4	986.4	991.2	973.0	970.5
15°	1031.5	1020.5	1012.0	1001.0	985.1	986.4	988.8	976.6	981.5	962.0	960.8
17.5°	1023.0	1010.8	1002.2	988.8	971.8	973.0	973.0	960.8	964.4	944.9	943.8
20°	1004.6	990.0	980.2	968.1	949.8	949.8	949.8	937.6	940.0	923.0	920.5
22.5°	979.0	963.2	953.5	941.2	924.1	923.0	921.8	912.0	912.0	896.1	892.5
25°	944.9	930.2	920.5	909.5	892.5	890.0	890.0	881.5	880.2	865.6	863.2
27.5°	905.9	888.9	880.2	870.5	854.6	852.2	851.0	846.1	843.8	827.9	826.6
30°	853.5	838.9	831.5	823.0	808.4	805.9	804.8	799.9	798.6	782.8	782.8
32.5°	797.4	779.1	774.2	765.6	754.8	753.5	754.8	748.6	743.8	732.8	730.4
35°	730.4	712.0	708.4	704.8	696.1	693.8	692.5	691.2	685.2	677.9	674.2
37.5°	652.2	636.5	636.5	635.2	629.1	629.1	629.1	626.8	620.6	618.1	610.9
40°	568.1	556.0	557.2	558.4	556.0	557.2	558.4	556.0	551.1	548.6	542.5
42.5°	478.0	471.9	476.8	480.4	480.4	484.0	486.5	486.5	480.4	479.1	474.2
45°	387.8	386.5	396.2	403.6	406.0	412.1	415.8	413.4	413.4	413.4	408.5
47.5°	303.6	308.5	317.0	331.6	336.5	343.9	346.2	349.9	348.8	349.9	346.2
50°	230.4	241.4	252.4	267.0	274.4	282.9	286.5	291.4	291.4	292.6	290.1
52.5°	174.4	182.9	201.1	210.9	219.5	228.0	232.9	237.8	239.0	239.0	236.5
55°	129.2	141.4	153.6	167.0	174.4	182.9	186.5	191.4	191.4	193.9	191.4
57.5°	93.9	106.1	119.5	129.2	137.8	143.9	147.5	151.1	153.6	153.6	152.4
60°	69.5	79.2	90.2	100.0	107.2	113.4	115.9	119.5	120.8	120.8	118.2
62.5°	52.4	62.1	71.9	80.5	85.4	90.2	92.6	95.1	95.1	95.1	93.9
65°	42.6	50.0	57.2	64.6	69.5	73.1	74.4	76.8	75.6	76.8	75.6
67.5°	34.1	39.0	45.1	50.0	53.6	56.1	57.2	59.8	58.5	59.8	58.5
70°	25.6	30.5	34.1	37.8	40.2	42.6	43.9	45.1	43.9	45.1	43.9
72.5°	19.5	22.0	25.6	29.2	30.5	31.8	32.9	32.9	32.9	34.1	32.9
75°	13.4	15.9	18.2	19.5	22.0	23.1	23.1	24.4	24.4	24.4	24.4
77.5°	9.8	11.0	12.2	13.4	14.6	15.9	15.9	17.1	17.1	17.1	17.1
80°	6.1	7.4	7.4	8.5	9.8	9.8	11.0	11.0	11.0	11.0	11.0
82.5°	3.6	4.9	4.9	6.1	6.1	6.1	7.4	7.4	7.4	7.4	7.4
85°	2.5	2.5	2.5	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
87.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.5	2.5	1.2	1.2
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: P212784

CATALOG NUMBER: LE_6B15D010 EC6B10208030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	1047.4	1047.4	1047.4	1047.4
2.5°	1031.5	1025.4	1035.1	1020.5
5°	1020.5	1014.4	1026.6	1008.2
7.5°	1007.1	1001.0	1012.0	993.6
10°	990.0	983.9	993.6	974.1
12.5°	975.4	969.2	980.2	962.0
15°	964.4	958.4	968.1	951.0
17.5°	947.4	940.0	951.0	932.8
20°	923.0	918.1	926.6	908.4
22.5°	894.9	890.0	899.8	881.5
25°	865.6	859.6	869.4	851.0
27.5°	827.9	823.0	832.8	814.5
30°	782.8	777.9	787.6	770.5
32.5°	731.5	726.6	734.0	719.4
35°	673.0	669.4	676.6	660.9
37.5°	609.6	606.0	613.2	597.4
40°	541.4	537.6	543.8	536.5
42.5°	474.2	470.6	476.8	470.6
45°	408.5	406.0	412.1	406.0
47.5°	347.5	345.0	351.1	345.0
50°	289.0	290.1	292.6	290.1
52.5°	236.5	236.5	240.2	236.5
55°	191.4	192.6	193.9	191.4
57.5°	152.4	152.4	153.6	152.4
60°	118.2	119.5	119.5	118.2
62.5°	93.9	93.9	93.9	93.9
65°	74.4	74.4	75.6	74.4
67.5°	58.5	57.2	58.5	57.2
70°	43.9	43.9	43.9	43.9
72.5°	34.1	34.1	32.9	32.9
75°	24.4	25.6	24.4	24.4
77.5°	17.1	17.1	17.1	17.1
80°	11.0	11.0	11.0	11.0
82.5°	7.4	7.4	7.4	7.4
85°	4.9	3.6	3.6	3.6
87.5°	2.5	1.2	1.2	1.2
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)