

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: P212801

Luminaire Tested: **LD6B20D010 EU6B10209024 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212801
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 EU6B10209024 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1407.0 lumens
Efficiency: N/A
Efficacy: 67.6 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

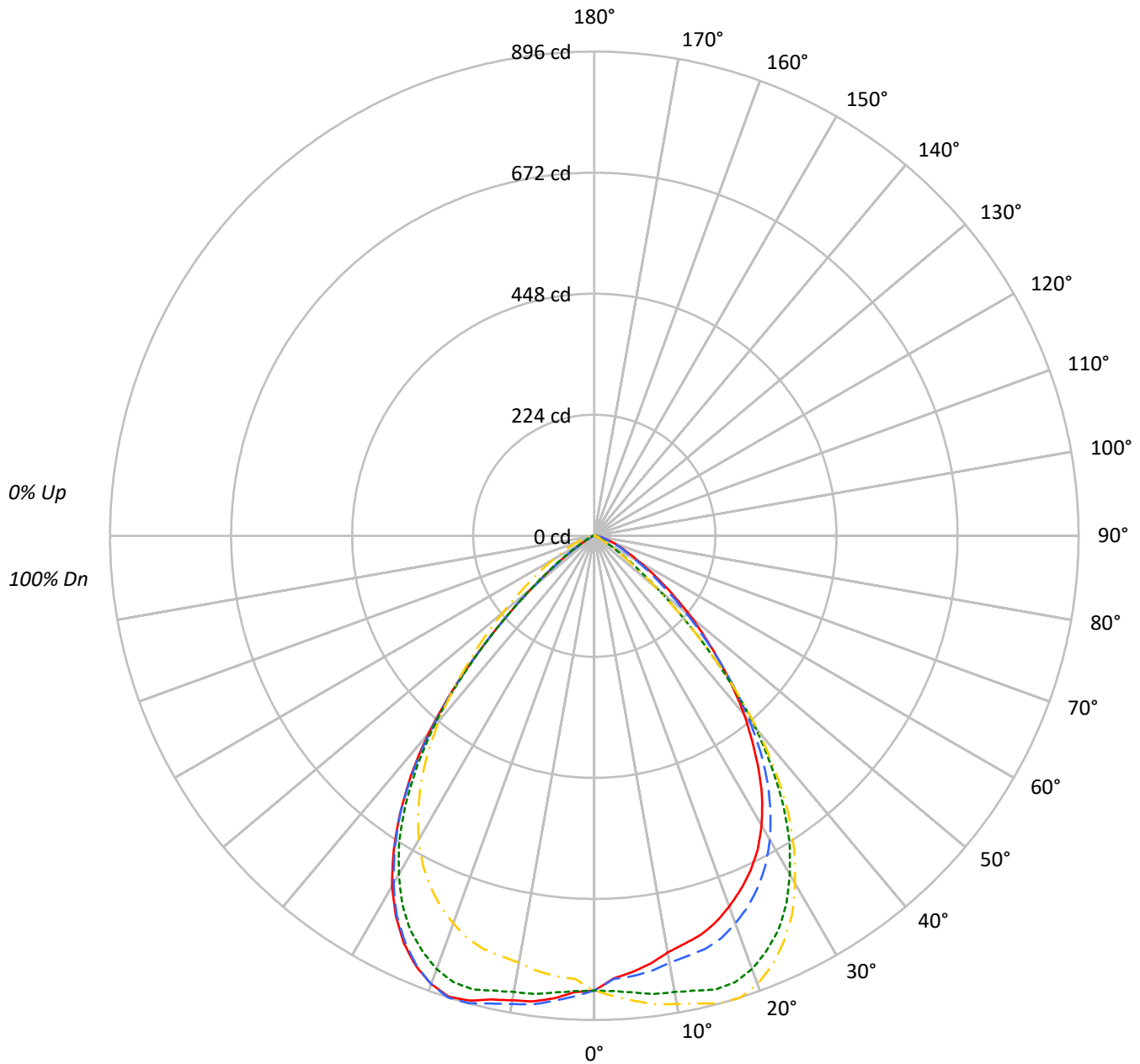
Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212801

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212801

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSWLI1

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	112	109	106	103	110	107	104	102	103	100	98		99	97	96		95
2	105	99	94	90	103	97	93	89	94	90	87		91	88	85		88
3	98	91	84	80	96	89	84	79	86	82	78		84	80	76		81
4	92	83	76	71	90	82	75	70	79	74	70		77	73	69		75
5	86	76	69	64	84	75	68	63	73	67	63		71	66	62		70
6	81	70	63	57	79	69	62	57	67	61	57		66	60	56		64
7	76	64	57	52	74	64	57	52	62	56	52		61	56	51		60
8	71	60	53	48	70	59	52	48	58	52	47		57	51	47		56
9	67	55	48	44	66	55	48	44	54	48	43		53	47	43		52
10	63	52	45	40	62	51	45	40	50	44	40		49	44	40		49

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	46131	46131	46131	46131
5°	44585	46687	47281	46687
10°	43575	47717	48591	47717
15°	43366	49319	50539	49319
20°	42581	49780	51495	49780
25°	41361	48710	50368	48710
30°	39190	45767	47381	45767
35°	35536	40783	41894	40783
40°	30851	33234	34071	33234
45°	25289	22940	23088	22940
50°	19888	12870	12614	12870
55°	14700	6365	5715	6365
60°	10416	2796	2039	2796
65°	7757	1777	1271	1777
70°	5658	1410	946	1410
75°	4151	1038	614	1038
80°	2778	916	316	916
85°	1824	629	629	629



TEST NUMBER: P212801

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.6	5.7
10°-20°	238.6	17.0
20°-30°	356.1	25.3
30°-40°	365.8	26.0
40°-50°	236.9	16.8
50°-60°	88.1	6.3
60°-70°	28.9	2.1
70°-80°	10.2	0.7
80°-90°	1.8	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°	675.2	48.0
0°-40°	1041.1	74.0
0°-60°	1366.0	97.1
0°-90°	1407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1407.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	842	842	842	842	842	
5°	810	848	859	848	810	77
15°	764	869	890	869	764	215
25°	684	805	833	805	684	313
35°	531	609	626	609	531	330
45°	326	296	298	296	326	252
55°	154	67	60	67	154	140
65°	60	14	10	14	60	61
75°	20	5	3	5	20	22
85°	3	1	1	1	3	4
90°	0	0	0	0	0	



TEST NUMBER: P212801

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSWLI1

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5
2.5°	820.0	831.7	823.9	828.8	821.0	821.0	836.6	827.8	834.7	827.8	821.0
5°	810.2	824.9	815.1	820.0	813.1	814.1	828.8	821.9	828.8	823.9	818.0
7.5°	798.4	813.1	804.3	809.2	802.3	804.3	820.0	813.1	821.0	816.1	812.1
10°	782.8	798.4	790.6	795.5	789.6	790.6	806.3	801.4	808.2	805.3	802.3
12.5°	773.0	787.7	778.8	783.7	779.8	781.8	796.5	792.5	801.4	798.4	796.5
15°	764.1	777.9	770.0	774.9	772.0	773.0	788.6	784.7	794.5	792.5	791.6
17.5°	749.4	764.1	755.3	761.2	758.3	759.2	774.9	772.0	781.8	781.8	780.8
20°	729.9	744.5	737.7	741.6	739.6	741.6	755.3	753.4	763.2	763.2	763.2
22.5°	708.3	723.0	715.2	719.1	717.1	720.1	732.8	732.8	740.6	741.6	742.6
25°	683.8	698.5	690.7	695.6	693.6	695.6	707.3	708.3	715.2	715.2	717.1
27.5°	654.4	669.1	661.3	665.2	664.2	665.2	677.9	679.9	683.8	684.8	686.7
30°	619.1	632.9	625.0	628.9	628.9	628.9	641.7	642.7	646.6	647.6	649.5
32.5°	578.0	589.8	583.9	587.8	586.8	588.8	597.6	601.5	606.4	605.4	606.4
35°	531.0	543.7	537.8	540.8	541.8	544.7	550.6	555.5	556.5	557.4	559.4
37.5°	480.0	492.8	486.9	489.8	490.8	496.7	498.6	503.5	505.5	505.5	505.5
40°	431.1	436.9	432.0	435.0	436.0	440.8	442.8	446.7	448.7	447.7	446.7
42.5°	378.2	383.0	378.2	381.1	381.1	385.0	386.0	390.9	390.9	388.9	386.0
45°	326.2	331.1	326.2	328.2	328.2	332.1	332.1	332.1	334.1	331.1	326.2
47.5°	277.2	282.1	277.2	279.2	278.2	281.2	280.2	281.2	278.2	276.3	270.4
50°	233.2	235.1	233.2	232.2	233.2	235.1	234.1	234.1	230.2	227.3	220.4
52.5°	190.1	193.0	190.1	190.1	190.1	192.0	192.0	191.0	187.1	183.2	176.3
55°	153.8	155.8	154.8	153.8	153.8	155.8	153.8	153.8	149.9	146.9	140.1
57.5°	122.5	123.4	122.5	122.5	122.5	123.4	123.4	121.5	118.5	115.6	110.7
60°	95.0	96.0	96.0	95.0	95.0	97.0	97.0	96.0	93.1	91.1	86.2
62.5°	75.4	75.4	75.4	75.4	75.4	76.4	76.4	76.4	74.5	72.5	68.6
65°	59.8	60.7	59.8	59.8	60.7	61.7	60.7	61.7	59.8	58.8	55.8
67.5°	46.0	47.0	46.0	47.0	47.0	48.0	47.0	48.0	46.0	45.1	43.1
70°	35.3	35.3	35.3	35.3	35.3	36.2	35.3	36.2	35.3	34.3	32.3
72.5°	26.5	26.5	27.4	27.4	26.5	27.4	26.5	26.5	26.5	25.5	24.5
75°	19.6	19.6	20.6	19.6	19.6	19.6	19.6	19.6	18.6	18.6	17.6
77.5°	13.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7	12.7	12.7	11.8
80°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	7.8	7.8
82.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	4.9	4.9
85°	2.9	2.9	2.9	3.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
87.5°	1.0	1.0	1.0	2.0	1.0	1.0	2.0	2.0	1.0	1.0	1.0
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: P212801

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5
2.5°	828.8	831.7	831.7	828.8	835.7	829.8	841.5	830.8	833.7	843.5	842.5
5°	825.9	829.8	830.8	828.8	837.6	832.7	844.5	833.7	838.6	848.4	848.4
7.5°	821.9	826.8	828.8	830.8	838.6	833.7	847.4	836.6	843.5	855.2	854.3
10°	813.1	820.0	823.9	826.8	834.7	831.7	846.4	837.6	843.5	857.2	856.2
12.5°	808.2	816.1	821.9	826.8	835.7	833.7	848.4	840.6	848.4	862.1	862.1
15°	804.3	813.1	820.0	828.8	837.6	835.7	851.3	844.5	852.3	869.0	868.0
17.5°	794.5	805.3	812.1	821.9	830.8	829.8	846.4	841.5	850.4	866.0	867.0
20°	777.9	787.7	795.5	807.2	817.0	815.1	832.7	827.8	836.6	853.3	854.3
22.5°	756.3	766.1	773.9	786.7	795.5	794.5	812.1	807.2	816.1	831.7	832.7
25°	730.8	739.6	747.5	759.2	769.0	769.0	784.7	779.8	789.6	805.3	805.3
27.5°	699.5	707.3	714.2	727.9	735.7	735.7	750.4	745.5	755.3	769.0	768.1
30°	661.3	668.1	674.0	685.8	692.6	693.6	706.3	701.4	711.2	723.0	723.0
32.5°	615.2	622.1	626.0	640.7	645.6	644.6	654.4	649.5	659.3	672.1	669.1
35°	566.2	569.2	572.1	586.8	588.8	584.9	594.7	589.8	596.6	609.4	607.4
37.5°	510.4	511.4	511.4	524.1	525.1	522.2	528.0	522.2	527.1	538.8	537.8
40°	448.7	447.7	446.7	456.5	455.5	449.7	453.6	448.7	455.5	464.4	459.5
42.5°	386.0	383.0	379.1	384.0	380.1	375.2	377.2	369.3	374.2	381.1	375.2
45°	324.3	318.4	310.6	311.5	306.6	300.8	297.8	290.0	289.0	295.9	291.0
47.5°	266.5	254.7	247.9	243.9	236.1	231.2	225.3	216.5	212.6	216.5	211.6
50°	214.5	202.8	194.0	185.2	177.3	171.4	161.6	155.8	149.9	150.9	146.9
52.5°	169.5	161.6	146.9	140.1	132.3	125.4	116.6	109.7	102.9	102.9	98.9
55°	134.2	123.4	113.6	103.8	96.0	90.1	81.3	74.5	67.6	66.6	62.7
57.5°	103.8	96.0	85.2	75.4	70.5	64.7	55.8	48.0	44.1	41.1	38.2
60°	80.3	72.5	63.7	55.8	50.0	46.0	37.2	31.3	27.4	25.5	22.5
62.5°	64.7	57.8	50.0	42.1	38.2	34.3	27.4	22.5	18.6	16.7	14.7
65°	51.9	46.0	40.2	34.3	31.3	27.4	22.5	18.6	15.7	13.7	11.8
67.5°	40.2	36.2	31.3	27.4	24.5	21.6	17.6	14.7	12.7	10.8	9.8
70°	30.4	27.4	24.5	20.6	18.6	16.7	13.7	10.8	9.8	8.8	7.8
72.5°	23.5	20.6	17.6	15.7	13.7	12.7	10.8	8.8	7.8	6.9	5.9
75°	15.7	14.7	12.7	10.8	9.8	8.8	7.8	6.9	5.9	4.9	4.9
77.5°	10.8	9.8	8.8	7.8	6.9	6.9	5.9	4.9	3.9	3.9	2.9
80°	6.9	5.9	5.9	4.9	4.9	4.9	3.9	2.9	2.9	2.9	2.0
82.5°	4.9	3.9	3.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	1.0
85°	2.9	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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: P212801

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5
2.5°	834.7	843.5	843.5	851.3	852.3	850.4	841.5	841.5	853.3	860.1	848.4
5°	842.5	851.3	851.3	859.2	863.1	860.1	851.3	852.3	864.1	871.9	860.1
7.5°	849.4	858.2	860.1	869.0	871.9	869.0	860.1	862.1	874.8	881.7	869.9
10°	852.3	861.1	862.1	871.9	875.8	871.9	865.0	866.0	879.7	884.6	873.9
12.5°	859.2	868.0	868.0	878.8	882.7	879.7	870.9	872.9	886.6	891.5	880.7
15°	866.0	874.8	874.8	886.6	891.5	887.6	880.7	881.7	895.4	900.3	891.5
17.5°	866.0	873.9	873.9	886.6	891.5	888.6	880.7	881.7	896.4	900.3	891.5
20°	853.3	862.1	860.1	872.9	877.8	874.8	868.0	868.0	882.7	886.6	877.8
22.5°	832.7	840.6	838.6	850.4	856.2	852.3	846.4	845.5	860.1	864.1	855.2
25°	804.3	812.1	810.2	821.9	827.8	822.9	816.1	817.0	828.8	834.7	826.8
27.5°	771.0	775.9	773.0	784.7	790.6	785.7	778.8	779.8	791.6	795.5	789.6
30°	725.9	729.9	726.9	736.7	740.6	737.7	731.8	731.8	742.6	747.5	741.6
32.5°	672.1	675.0	672.1	679.9	687.7	681.8	676.0	676.0	687.7	691.6	684.8
35°	609.4	612.3	610.3	618.2	624.0	616.2	611.3	609.4	625.0	623.1	619.1
37.5°	539.8	541.8	535.9	549.6	552.5	543.7	539.8	537.8	551.6	550.6	546.7
40°	461.4	463.4	459.5	469.3	470.2	463.4	460.4	457.5	471.2	470.2	467.3
42.5°	378.2	379.1	374.2	382.1	384.0	377.2	376.2	372.3	385.0	383.0	382.1
45°	291.9	291.9	288.0	293.9	295.9	290.0	288.0	287.0	295.9	295.9	293.9
47.5°	211.6	208.7	203.8	212.6	213.6	209.6	208.7	205.7	214.5	214.5	212.6
50°	145.0	144.0	143.0	145.0	146.0	141.1	144.0	141.1	146.0	146.0	146.0
52.5°	97.0	96.0	94.0	96.0	96.0	93.1	93.1	92.1	96.0	96.0	94.0
55°	60.7	59.8	58.8	59.8	59.8	56.8	58.8	56.8	58.8	58.8	57.8
57.5°	37.2	35.3	35.3	34.3	34.3	32.3	33.3	33.3	33.3	33.3	33.3
60°	21.6	20.6	19.6	19.6	19.6	18.6	18.6	18.6	18.6	18.6	18.6
62.5°	13.7	13.7	12.7	12.7	12.7	12.7	12.7	11.8	12.7	12.7	12.7
65°	11.8	10.8	10.8	10.8	10.8	9.8	9.8	9.8	9.8	9.8	9.8
67.5°	9.8	8.8	8.8	8.8	8.8	7.8	7.8	7.8	7.8	7.8	7.8
70°	7.8	6.9	6.9	6.9	6.9	6.9	5.9	6.9	6.9	5.9	5.9
72.5°	5.9	5.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
75°	3.9	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.9	2.9	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	1.0	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: P212801

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5
2.5°	862.1	852.3	847.4	857.2	861.1	856.2	852.3	845.5	852.3	856.2	861.1
5°	873.9	865.0	861.1	868.0	873.9	869.0	866.0	859.2	866.0	869.0	873.9
7.5°	884.6	875.8	870.9	877.8	884.6	877.8	874.8	869.0	874.8	877.8	884.6
10°	888.6	878.8	874.8	880.7	887.6	880.7	876.8	872.9	876.8	880.7	887.6
12.5°	895.4	885.6	880.7	885.6	892.5	885.6	881.7	878.8	881.7	885.6	892.5
15°	905.2	896.4	890.5	895.4	904.2	896.4	891.5	890.5	891.5	896.4	904.2
17.5°	905.2	898.4	892.5	896.4	905.2	899.3	892.5	894.4	892.5	899.3	905.2
20°	892.5	885.6	880.7	880.7	893.5	885.6	879.7	882.7	879.7	885.6	893.5
22.5°	869.9	864.1	859.2	858.2	870.9	864.1	856.2	862.1	856.2	864.1	870.9
25°	840.6	834.7	830.8	828.8	841.5	833.7	826.8	832.7	826.8	833.7	841.5
27.5°	802.3	797.4	793.5	790.6	802.3	795.5	788.6	794.5	788.6	795.5	802.3
30°	753.4	750.4	746.5	742.6	754.3	747.5	740.6	748.5	740.6	747.5	754.3
32.5°	696.5	694.6	689.7	685.8	697.5	689.7	684.8	690.7	684.8	689.7	697.5
35°	630.9	628.0	625.0	618.2	630.9	624.0	624.0	626.0	624.0	624.0	630.9
37.5°	557.4	555.5	551.6	545.7	556.5	551.6	549.6	555.5	549.6	551.6	556.5
40°	475.1	474.2	471.2	464.4	476.1	471.2	468.3	476.1	468.3	471.2	476.1
42.5°	388.9	387.0	384.0	383.0	388.9	385.0	387.9	387.9	387.9	385.0	388.9
45°	299.8	297.8	295.9	291.9	298.8	296.8	295.9	297.8	295.9	296.8	298.8
47.5°	217.5	215.5	213.6	210.6	217.5	214.5	214.5	216.5	214.5	214.5	217.5
50°	146.0	146.9	146.0	144.0	146.0	145.0	146.0	147.9	146.0	145.0	146.0
52.5°	97.0	97.0	95.0	94.0	96.0	95.0	98.0	96.0	98.0	95.0	96.0
55°	58.8	59.8	58.8	57.8	58.8	57.8	60.7	59.8	60.7	57.8	58.8
57.5°	33.3	33.3	34.3	33.3	35.3	34.3	34.3	34.3	34.3	34.3	35.3
60°	18.6	18.6	18.6	18.6	18.6	18.6	19.6	18.6	19.6	18.6	18.6
62.5°	12.7	12.7	12.7	11.8	12.7	11.8	12.7	12.7	12.7	11.8	12.7
65°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
67.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
70°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
72.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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: P212801

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5
2.5°	857.2	847.4	852.3	862.1	848.4	860.1	853.3	841.5	841.5	850.4	852.3
5°	868.0	861.1	865.0	873.9	860.1	871.9	864.1	852.3	851.3	860.1	863.1
7.5°	877.8	870.9	875.8	884.6	869.9	881.7	874.8	862.1	860.1	869.0	871.9
10°	880.7	874.8	878.8	888.6	873.9	884.6	879.7	866.0	865.0	871.9	875.8
12.5°	885.6	880.7	885.6	895.4	880.7	891.5	886.6	872.9	870.9	879.7	882.7
15°	895.4	890.5	896.4	905.2	891.5	900.3	895.4	881.7	880.7	887.6	891.5
17.5°	896.4	892.5	898.4	905.2	891.5	900.3	896.4	881.7	880.7	888.6	891.5
20°	880.7	880.7	885.6	892.5	877.8	886.6	882.7	868.0	868.0	874.8	877.8
22.5°	858.2	859.2	864.1	869.9	855.2	864.1	860.1	845.5	846.4	852.3	856.2
25°	828.8	830.8	834.7	840.6	826.8	834.7	828.8	817.0	816.1	822.9	827.8
27.5°	790.6	793.5	797.4	802.3	789.6	795.5	791.6	779.8	778.8	785.7	790.6
30°	742.6	746.5	750.4	753.4	741.6	747.5	742.6	731.8	731.8	737.7	740.6
32.5°	685.8	689.7	694.6	696.5	684.8	691.6	687.7	676.0	676.0	681.8	687.7
35°	618.2	625.0	628.0	630.9	619.1	623.1	625.0	609.4	611.3	616.2	624.0
37.5°	545.7	551.6	555.5	557.4	546.7	550.6	551.6	537.8	539.8	543.7	552.5
40°	464.4	471.2	474.2	475.1	467.3	470.2	471.2	457.5	460.4	463.4	470.2
42.5°	383.0	384.0	387.0	388.9	382.1	383.0	385.0	372.3	376.2	377.2	384.0
45°	291.9	295.9	297.8	299.8	293.9	295.9	295.9	287.0	288.0	290.0	295.9
47.5°	210.6	213.6	215.5	217.5	212.6	214.5	214.5	205.7	208.7	209.6	213.6
50°	144.0	146.0	146.9	146.0	146.0	146.0	146.0	141.1	144.0	141.1	146.0
52.5°	94.0	95.0	97.0	97.0	94.0	96.0	96.0	92.1	93.1	93.1	96.0
55°	57.8	58.8	59.8	58.8	57.8	58.8	58.8	56.8	58.8	56.8	59.8
57.5°	33.3	34.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	32.3	34.3
60°	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	19.6
62.5°	11.8	12.7	12.7	12.7	12.7	12.7	12.7	11.8	12.7	12.7	12.7
65°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	10.8
67.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	8.8
70°	5.9	5.9	5.9	5.9	5.9	5.9	6.9	6.9	5.9	6.9	6.9
72.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
75°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	1.0
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: P212801

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5
2.5°	851.3	843.5	843.5	834.7	842.5	843.5	833.7	830.8	841.5	829.8	835.7
5°	859.2	851.3	851.3	842.5	848.4	848.4	838.6	833.7	844.5	832.7	837.6
7.5°	869.0	860.1	858.2	849.4	854.3	855.2	843.5	836.6	847.4	833.7	838.6
10°	871.9	862.1	861.1	852.3	856.2	857.2	843.5	837.6	846.4	831.7	834.7
12.5°	878.8	868.0	868.0	859.2	862.1	862.1	848.4	840.6	848.4	833.7	835.7
15°	886.6	874.8	874.8	866.0	868.0	869.0	852.3	844.5	851.3	835.7	837.6
17.5°	886.6	873.9	873.9	866.0	867.0	866.0	850.4	841.5	846.4	829.8	830.8
20°	872.9	860.1	862.1	853.3	854.3	853.3	836.6	827.8	832.7	815.1	817.0
22.5°	850.4	838.6	840.6	832.7	832.7	831.7	816.1	807.2	812.1	794.5	795.5
25°	821.9	810.2	812.1	804.3	805.3	805.3	789.6	779.8	784.7	769.0	769.0
27.5°	784.7	773.0	775.9	771.0	768.1	769.0	755.3	745.5	750.4	735.7	735.7
30°	736.7	726.9	729.9	725.9	723.0	723.0	711.2	701.4	706.3	693.6	692.6
32.5°	679.9	672.1	675.0	672.1	669.1	672.1	659.3	649.5	654.4	644.6	645.6
35°	618.2	610.3	612.3	609.4	607.4	609.4	596.6	589.8	594.7	584.9	588.8
37.5°	549.6	535.9	541.8	539.8	537.8	538.8	527.1	522.2	528.0	522.2	525.1
40°	469.3	459.5	463.4	461.4	459.5	464.4	455.5	448.7	453.6	449.7	455.5
42.5°	382.1	374.2	379.1	378.2	375.2	381.1	374.2	369.3	377.2	375.2	380.1
45°	293.9	288.0	291.9	291.9	291.0	295.9	289.0	290.0	297.8	300.8	306.6
47.5°	212.6	203.8	208.7	211.6	211.6	216.5	212.6	216.5	225.3	231.2	236.1
50°	145.0	143.0	144.0	145.0	146.9	150.9	149.9	155.8	161.6	171.4	177.3
52.5°	96.0	94.0	96.0	97.0	98.9	102.9	102.9	109.7	116.6	125.4	132.3
55°	59.8	58.8	59.8	60.7	62.7	66.6	67.6	74.5	81.3	90.1	96.0
57.5°	34.3	35.3	35.3	37.2	38.2	41.1	44.1	48.0	55.8	64.7	70.5
60°	19.6	19.6	20.6	21.6	22.5	25.5	27.4	31.3	37.2	46.0	50.0
62.5°	12.7	12.7	13.7	13.7	14.7	16.7	18.6	22.5	27.4	34.3	38.2
65°	10.8	10.8	10.8	11.8	11.8	13.7	15.7	18.6	22.5	27.4	31.3
67.5°	8.8	8.8	8.8	9.8	9.8	10.8	12.7	14.7	17.6	21.6	24.5
70°	6.9	6.9	6.9	7.8	7.8	8.8	9.8	10.8	13.7	16.7	18.6
72.5°	4.9	4.9	5.9	5.9	5.9	6.9	7.8	8.8	10.8	12.7	13.7
75°	3.9	3.9	3.9	3.9	4.9	4.9	5.9	6.9	7.8	8.8	9.8
77.5°	2.0	2.0	2.9	2.9	2.9	3.9	3.9	4.9	5.9	6.9	6.9
80°	2.0	2.0	2.0	2.0	2.0	2.9	2.9	2.9	3.9	4.9	4.9
82.5°	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.9	2.9	2.9
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
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: P212801

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5	841.5
2.5°	828.8	831.7	831.7	828.8	821.0	827.8	834.7	827.8	836.6	821.0	821.0
5°	828.8	830.8	829.8	825.9	818.0	823.9	828.8	821.9	828.8	814.1	813.1
7.5°	830.8	828.8	826.8	821.9	812.1	816.1	821.0	813.1	820.0	804.3	802.3
10°	826.8	823.9	820.0	813.1	802.3	805.3	808.2	801.4	806.3	790.6	789.6
12.5°	826.8	821.9	816.1	808.2	796.5	798.4	801.4	792.5	796.5	781.8	779.8
15°	828.8	820.0	813.1	804.3	791.6	792.5	794.5	784.7	788.6	773.0	772.0
17.5°	821.9	812.1	805.3	794.5	780.8	781.8	781.8	772.0	774.9	759.2	758.3
20°	807.2	795.5	787.7	777.9	763.2	763.2	763.2	753.4	755.3	741.6	739.6
22.5°	786.7	773.9	766.1	756.3	742.6	741.6	740.6	732.8	732.8	720.1	717.1
25°	759.2	747.5	739.6	730.8	717.1	715.2	715.2	708.3	707.3	695.6	693.6
27.5°	727.9	714.2	707.3	699.5	686.7	684.8	683.8	679.9	677.9	665.2	664.2
30°	685.8	674.0	668.1	661.3	649.5	647.6	646.6	642.7	641.7	628.9	628.9
32.5°	640.7	626.0	622.1	615.2	606.4	605.4	606.4	601.5	597.6	588.8	586.8
35°	586.8	572.1	569.2	566.2	559.4	557.4	556.5	555.5	550.6	544.7	541.8
37.5°	524.1	511.4	511.4	510.4	505.5	505.5	505.5	503.5	498.6	496.7	490.8
40°	456.5	446.7	447.7	448.7	446.7	447.7	448.7	446.7	442.8	440.8	436.0
42.5°	384.0	379.1	383.0	386.0	386.0	388.9	390.9	390.9	386.0	385.0	381.1
45°	311.5	310.6	318.4	324.3	326.2	331.1	334.1	332.1	332.1	332.1	328.2
47.5°	243.9	247.9	254.7	266.5	270.4	276.3	278.2	281.2	280.2	281.2	278.2
50°	185.2	194.0	202.8	214.5	220.4	227.3	230.2	234.1	234.1	235.1	233.2
52.5°	140.1	146.9	161.6	169.5	176.3	183.2	187.1	191.0	192.0	192.0	190.1
55°	103.8	113.6	123.4	134.2	140.1	146.9	149.9	153.8	153.8	155.8	153.8
57.5°	75.4	85.2	96.0	103.8	110.7	115.6	118.5	121.5	123.4	123.4	122.5
60°	55.8	63.7	72.5	80.3	86.2	91.1	93.1	96.0	97.0	97.0	95.0
62.5°	42.1	50.0	57.8	64.7	68.6	72.5	74.5	76.4	76.4	76.4	75.4
65°	34.3	40.2	46.0	51.9	55.8	58.8	59.8	61.7	60.7	61.7	60.7
67.5°	27.4	31.3	36.2	40.2	43.1	45.1	46.0	48.0	47.0	48.0	47.0
70°	20.6	24.5	27.4	30.4	32.3	34.3	35.3	36.2	35.3	36.2	35.3
72.5°	15.7	17.6	20.6	23.5	24.5	25.5	26.5	26.5	26.5	27.4	26.5
75°	10.8	12.7	14.7	15.7	17.6	18.6	18.6	19.6	19.6	19.6	19.6
77.5°	7.8	8.8	9.8	10.8	11.8	12.7	12.7	13.7	13.7	13.7	13.7
80°	4.9	5.9	5.9	6.9	7.8	7.8	8.8	8.8	8.8	8.8	8.8
82.5°	2.9	3.9	3.9	4.9	4.9	4.9	5.9	5.9	5.9	5.9	5.9
85°	2.0	2.0	2.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0
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: P212801

CATALOG NUMBER: LD6B20D010 EU6B10209024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	841.5	841.5	841.5	841.5
2.5°	828.8	823.9	831.7	820.0
5°	820.0	815.1	824.9	810.2
7.5°	809.2	804.3	813.1	798.4
10°	795.5	790.6	798.4	782.8
12.5°	783.7	778.8	787.7	773.0
15°	774.9	770.0	777.9	764.1
17.5°	761.2	755.3	764.1	749.4
20°	741.6	737.7	744.5	729.9
22.5°	719.1	715.2	723.0	708.3
25°	695.6	690.7	698.5	683.8
27.5°	665.2	661.3	669.1	654.4
30°	628.9	625.0	632.9	619.1
32.5°	587.8	583.9	589.8	578.0
35°	540.8	537.8	543.7	531.0
37.5°	489.8	486.9	492.8	480.0
40°	435.0	432.0	436.9	431.1
42.5°	381.1	378.2	383.0	378.2
45°	328.2	326.2	331.1	326.2
47.5°	279.2	277.2	282.1	277.2
50°	232.2	233.2	235.1	233.2
52.5°	190.1	190.1	193.0	190.1
55°	153.8	154.8	155.8	153.8
57.5°	122.5	122.5	123.4	122.5
60°	95.0	96.0	96.0	95.0
62.5°	75.4	75.4	75.4	75.4
65°	59.8	59.8	60.7	59.8
67.5°	47.0	46.0	47.0	46.0
70°	35.3	35.3	35.3	35.3
72.5°	27.4	27.4	26.5	26.5
75°	19.6	20.6	19.6	19.6
77.5°	13.7	13.7	13.7	13.7
80°	8.8	8.8	8.8	8.8
82.5°	5.9	5.9	5.9	5.9
85°	3.9	2.9	2.9	2.9
87.5°	2.0	1.0	1.0	1.0
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)