

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: P212775

Luminaire Tested: **LE_6B10D010 EC6B10209024 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212775
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_6B10D010 EC6B10209024 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: 917.0 lumens
Efficiency: N/A
Efficacy: 91.7 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

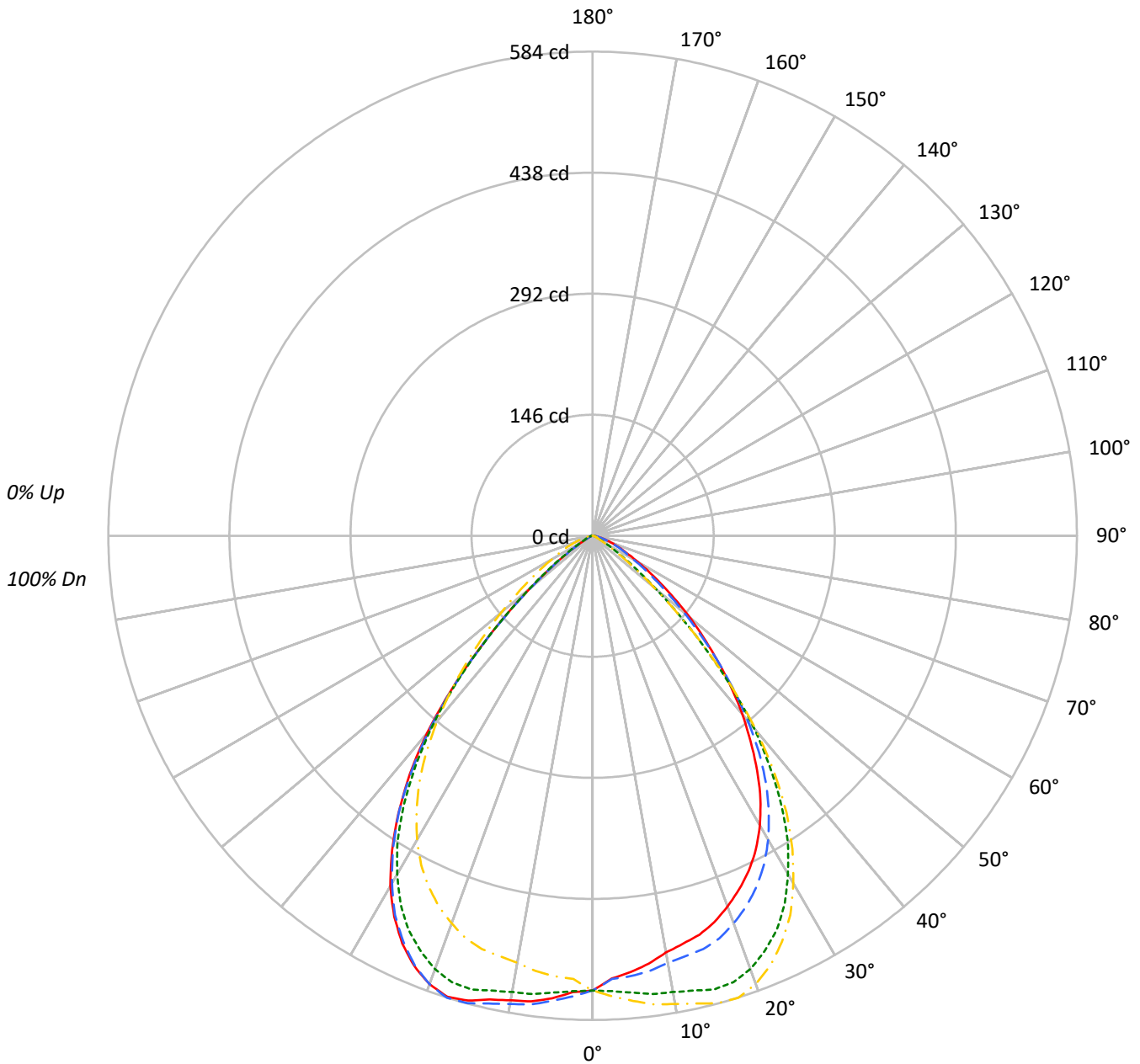
Input Watts (W): 10
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212775

CATALOG NUMBER: LE_6B10D010 EC6B10209024 6LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212775

CATALOG NUMBER: LE_6B10D010 EC6B10209024 6LBSWL11

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	99	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	71	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°	30069	30069	30069	30069
5°	29061	30431	30817	30431
10°	28401	31106	31674	31106
15°	28269	32145	32946	32145
20°	27757	32442	33568	32442
25°	26965	31750	32833	31750
30°	25542	29827	30884	29827
35°	23162	26575	27305	26575
40°	20109	21655	22213	21655
45°	16482	14955	15048	14955
50°	12963	8392	8221	8392
55°	9577	4148	3727	4148
60°	6798	1820	1327	1820
65°	5059	1167	830	1167
70°	3687	930	625	930
75°	2711	678	402	678
80°	1831	600	189	600
85°	1195	377	377	377



TEST NUMBER: P212775

CATALOG NUMBER: LE_6B10D010 EC6B10209024 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	5.7
10°-20°	155.5	17.0
20°-30°	232.1	25.3
30°-40°	238.4	26.0
40°-50°	154.4	16.8
50°-60°	57.4	6.3
60°-70°	18.8	2.1
70°-80°	6.6	0.7
80°-90°	1.2	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°	440.1	48.0
0°-40°	678.6	74.0
0°-60°	890.4	97.1
0°-90°	917.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	917.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	548	548	548	548	548	
5°	528	553	560	553	528	50
15°	498	566	580	566	498	140
25°	446	525	543	525	446	204
35°	346	397	408	397	346	215
45°	213	193	194	193	213	164
55°	100	43	39	43	100	91
65°	39	9	6	9	39	40
75°	13	3	2	3	13	14
85°	2	1	1	1	2	3
90°	0	0	0	0	0	



TEST NUMBER: P212775

CATALOG NUMBER: LE_6B10D010 EC6B10209024 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
2.5°	534.5	542.1	537.0	540.2	535.1	535.1	545.4	539.6	544.0	539.6	535.1
5°	528.1	537.6	531.2	534.5	530.0	530.6	540.2	535.8	540.2	537.0	533.1
7.5°	520.4	530.0	524.2	527.5	523.0	524.2	534.5	530.0	535.1	531.9	529.4
10°	510.2	520.4	515.2	518.5	514.6	515.2	525.5	522.4	526.8	524.9	523.0
12.5°	503.9	513.4	507.6	510.9	508.2	509.5	519.1	516.6	522.4	520.4	519.1
15°	498.1	507.0	501.9	505.1	503.1	503.9	514.0	511.5	517.9	516.6	516.0
17.5°	488.5	498.1	492.4	496.1	494.2	494.9	505.1	503.1	509.5	509.5	508.9
20°	475.8	485.2	480.9	483.4	482.1	483.4	492.4	491.0	497.4	497.4	497.4
22.5°	461.6	471.2	466.1	468.8	467.4	469.4	477.6	477.6	482.8	483.4	484.0
25°	445.8	455.2	450.1	453.4	452.1	453.4	461.0	461.6	466.1	466.1	467.4
27.5°	426.5	436.1	431.0	433.6	432.9	433.6	441.9	443.1	445.8	446.4	447.6
30°	403.5	412.5	407.4	410.0	410.0	410.0	418.2	418.9	421.5	422.1	423.4
32.5°	376.8	384.4	380.6	383.1	382.5	383.8	389.5	392.1	395.2	394.6	395.2
35°	346.1	354.4	350.6	352.5	353.1	355.0	358.9	362.0	362.8	363.4	364.6
37.5°	312.9	321.2	317.4	319.2	319.9	323.8	325.0	328.2	329.5	329.5	329.5
40°	281.0	284.8	281.6	283.5	284.1	287.4	288.6	291.1	292.5	291.9	291.1
42.5°	246.5	249.6	246.5	248.4	248.4	251.0	251.6	254.8	254.8	253.5	251.6
45°	212.6	215.9	212.6	213.9	213.9	216.5	216.5	216.5	217.8	215.9	212.6
47.5°	180.8	183.9	180.8	182.0	181.4	183.2	182.6	183.2	181.4	180.1	176.2
50°	152.0	153.2	152.0	151.4	152.0	153.2	152.6	152.6	150.0	148.1	143.6
52.5°	123.9	125.8	123.9	123.9	123.9	125.1	125.1	124.5	122.0	119.4	115.0
55°	100.2	101.5	100.9	100.2	100.2	101.5	100.2	100.2	97.8	95.8	91.2
57.5°	79.9	80.5	79.9	79.9	79.9	80.5	80.5	79.1	77.2	75.4	72.1
60°	62.0	62.6	62.6	62.0	62.0	63.2	63.2	62.6	60.6	59.4	56.2
62.5°	49.1	49.1	49.1	49.1	49.1	49.8	49.8	49.8	48.5	47.2	44.8
65°	39.0	39.6	39.0	39.0	39.6	40.2	39.6	40.2	39.0	38.4	36.4
67.5°	30.0	30.6	30.0	30.6	30.6	31.2	30.6	31.2	30.0	29.4	28.1
70°	23.0	23.0	23.0	23.0	23.0	23.6	23.0	23.6	23.0	22.4	21.1
72.5°	17.2	17.2	17.9	17.9	17.2	17.9	17.2	17.2	17.2	16.6	16.0
75°	12.8	12.8	13.4	12.8	12.8	12.8	12.8	12.8	12.1	12.1	11.5
77.5°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	8.2	8.2	7.6
80°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.1	5.1
82.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.2	3.2
85°	1.9	1.9	1.9	2.5	1.9	1.9	1.9	1.9	1.9	1.9	1.9
87.5°	0.6	0.6	0.6	1.2	0.6	0.6	1.2	1.2	0.6	0.6	0.6
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: P212775

CATALOG NUMBER: LE_6B10D010 EC6B10209024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
2.5°	540.2	542.1	542.1	540.2	544.6	540.9	548.5	541.5	543.4	549.8	549.1
5°	538.2	540.9	541.5	540.2	546.0	542.8	550.4	543.4	546.6	553.0	553.0
7.5°	535.8	538.9	540.2	541.5	546.6	543.4	552.4	545.4	549.8	557.5	556.9
10°	530.0	534.5	537.0	538.9	544.0	542.1	551.8	546.0	549.8	558.8	558.1
12.5°	526.8	531.9	535.8	538.9	544.6	543.4	553.0	547.9	553.0	561.9	561.9
15°	524.2	530.0	534.5	540.2	546.0	544.6	554.9	550.4	555.5	566.4	565.8
17.5°	517.9	524.9	529.4	535.8	541.5	540.9	551.8	548.5	554.2	564.5	565.1
20°	507.0	513.4	518.5	526.1	532.5	531.2	542.8	539.6	545.4	556.1	556.9
22.5°	493.0	499.4	504.5	512.8	518.5	517.9	529.4	526.1	531.9	542.1	542.8
25°	476.4	482.1	487.2	494.9	501.2	501.2	511.5	508.2	514.6	524.9	524.9
27.5°	455.9	461.0	465.5	474.5	479.5	479.5	489.1	485.9	492.4	501.2	500.6
30°	431.0	435.5	439.4	447.0	451.5	452.1	460.4	457.2	463.6	471.2	471.2
32.5°	401.0	405.5	408.0	417.6	420.8	420.1	426.5	423.4	429.8	438.0	436.1
35°	369.1	371.0	372.9	382.5	383.8	381.2	387.6	384.4	388.9	397.1	395.9
37.5°	332.6	333.4	333.4	341.6	342.2	340.4	344.1	340.4	343.5	351.2	350.6
40°	292.5	291.9	291.1	297.6	296.9	293.1	295.6	292.5	296.9	302.6	299.5
42.5°	251.6	249.6	247.1	250.2	247.8	244.6	245.9	240.8	243.9	248.4	244.6
45°	211.4	207.5	202.4	203.0	199.9	196.0	194.1	189.0	188.4	192.9	189.6
47.5°	173.6	166.0	161.5	159.0	153.9	150.8	146.9	141.1	138.6	141.1	137.9
50°	139.9	132.1	126.4	120.6	115.6	111.8	105.4	101.5	97.8	98.4	95.8
52.5°	110.5	105.4	95.8	91.2	86.2	81.8	76.0	71.5	67.0	67.0	64.5
55°	87.5	80.5	74.1	67.6	62.6	58.8	53.0	48.5	44.0	43.4	40.9
57.5°	67.6	62.6	55.5	49.1	46.0	42.1	36.4	31.2	28.8	26.9	24.9
60°	52.4	47.2	41.5	36.4	32.6	30.0	24.2	20.4	17.9	16.6	14.6
62.5°	42.1	37.6	32.6	27.5	24.9	22.4	17.9	14.6	12.1	10.9	9.6
65°	33.9	30.0	26.1	22.4	20.4	17.9	14.6	12.1	10.2	9.0	7.6
67.5°	26.1	23.6	20.4	17.9	16.0	14.0	11.5	9.6	8.2	7.0	6.4
70°	19.8	17.9	16.0	13.4	12.1	10.9	9.0	7.0	6.4	5.8	5.1
72.5°	15.4	13.4	11.5	10.2	9.0	8.2	7.0	5.8	5.1	4.5	3.9
75°	10.2	9.6	8.2	7.0	6.4	5.8	5.1	4.5	3.9	3.2	3.2
77.5°	7.0	6.4	5.8	5.1	4.5	4.5	3.9	3.2	2.5	2.5	1.9
80°	4.5	3.9	3.9	3.2	3.2	3.2	2.5	1.9	1.9	1.9	1.2
82.5°	3.2	2.5	2.5	1.9	1.9	1.9	1.9	1.2	1.2	1.2	0.6
85°	1.9	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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: P212775

CATALOG NUMBER: LE_6B10D010 EC6B10209024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
2.5°	544.0	549.8	549.8	554.9	555.5	554.2	548.5	548.5	556.1	560.6	553.0
5°	549.1	554.9	554.9	560.0	562.5	560.6	554.9	555.5	563.2	568.2	560.6
7.5°	553.6	559.4	560.6	566.4	568.2	566.4	560.6	561.9	570.2	574.8	567.0
10°	555.5	561.2	561.9	568.2	570.9	568.2	563.9	564.5	573.4	576.6	569.6
12.5°	560.0	565.8	565.8	572.8	575.4	573.4	567.6	569.0	577.9	581.1	574.0
15°	564.5	570.2	570.2	577.9	581.1	578.5	574.0	574.8	583.6	586.9	581.1
17.5°	564.5	569.6	569.6	577.9	581.1	579.1	574.0	574.8	584.2	586.9	581.1
20°	556.1	561.9	560.6	569.0	572.1	570.2	565.8	565.8	575.4	577.9	572.1
22.5°	542.8	547.9	546.6	554.2	558.1	555.5	551.8	551.1	560.6	563.2	557.5
25°	524.2	529.4	528.1	535.8	539.6	536.4	531.9	532.5	540.2	544.0	538.9
27.5°	502.5	505.8	503.9	511.5	515.2	512.1	507.6	508.2	516.0	518.5	514.6
30°	473.1	475.8	473.8	480.2	482.8	480.9	477.0	477.0	484.0	487.2	483.4
32.5°	438.0	440.0	438.0	443.1	448.2	444.4	440.6	440.6	448.2	450.9	446.4
35°	397.1	399.1	397.9	402.9	406.8	401.6	398.5	397.1	407.4	406.1	403.5
37.5°	351.9	353.1	349.2	358.2	360.1	354.4	351.9	350.6	359.5	358.9	356.2
40°	300.8	302.0	299.5	305.9	306.5	302.0	300.1	298.2	307.1	306.5	304.6
42.5°	246.5	247.1	243.9	249.0	250.2	245.9	245.2	242.6	251.0	249.6	249.0
45°	190.2	190.2	187.8	191.6	192.9	189.0	187.8	187.1	192.9	192.9	191.6
47.5°	137.9	136.0	132.9	138.6	139.2	136.6	136.0	134.1	139.9	139.9	138.6
50°	94.5	93.9	93.2	94.5	95.1	92.0	93.9	92.0	95.1	95.1	95.1
52.5°	63.2	62.6	61.2	62.6	62.6	60.6	60.6	60.0	62.6	62.6	61.2
55°	39.6	39.0	38.4	39.0	39.0	37.0	38.4	37.0	38.4	38.4	37.6
57.5°	24.2	23.0	23.0	22.4	22.4	21.1	21.8	21.8	21.8	21.8	21.8
60°	14.0	13.4	12.8	12.8	12.8	12.1	12.1	12.1	12.1	12.1	12.1
62.5°	9.0	9.0	8.2	8.2	8.2	8.2	8.2	7.6	8.2	8.2	8.2
65°	7.6	7.0	7.0	7.0	7.0	6.4	6.4	6.4	6.4	6.4	6.4
67.5°	6.4	5.8	5.8	5.8	5.8	5.1	5.1	5.1	5.1	5.1	5.1
70°	5.1	4.5	4.5	4.5	4.5	4.5	3.9	4.5	4.5	3.9	3.9
72.5°	3.9	3.9	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	2.5	2.5	2.5	2.5	2.5	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.9	1.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.0	0.6	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: P212775

CATALOG NUMBER: LE_6B10D010 EC6B10209024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
2.5°	561.9	555.5	552.4	558.8	561.2	558.1	555.5	551.1	555.5	558.1	561.2
5°	569.6	563.9	561.2	565.8	569.6	566.4	564.5	560.0	564.5	566.4	569.6
7.5°	576.6	570.9	567.6	572.1	576.6	572.1	570.2	566.4	570.2	572.1	576.6
10°	579.1	572.8	570.2	574.0	578.5	574.0	571.5	569.0	571.5	574.0	578.5
12.5°	583.6	577.2	574.0	577.2	581.8	577.2	574.8	572.8	574.8	577.2	581.8
15°	590.0	584.2	580.5	583.6	589.4	584.2	581.1	580.5	581.1	584.2	589.4
17.5°	590.0	585.5	581.8	584.2	590.0	586.1	581.8	583.0	581.8	586.1	590.0
20°	581.8	577.2	574.0	574.0	582.4	577.2	573.4	575.4	573.4	577.2	582.4
22.5°	567.0	563.2	560.0	559.4	567.6	563.2	558.1	561.9	558.1	563.2	567.6
25°	547.9	544.0	541.5	540.2	548.5	543.4	538.9	542.8	538.9	543.4	548.5
27.5°	523.0	519.8	517.2	515.2	523.0	518.5	514.0	517.9	514.0	518.5	523.0
30°	491.0	489.1	486.6	484.0	491.6	487.2	482.8	487.9	482.8	487.2	491.6
32.5°	454.0	452.8	449.5	447.0	454.6	449.5	446.4	450.1	446.4	449.5	454.6
35°	411.2	409.2	407.4	402.9	411.2	406.8	406.8	408.0	406.8	406.8	411.2
37.5°	363.4	362.0	359.5	355.6	362.8	359.5	358.2	362.0	358.2	359.5	362.8
40°	309.8	309.0	307.1	302.6	310.4	307.1	305.2	310.4	305.2	307.1	310.4
42.5°	253.5	252.2	250.2	249.6	253.5	251.0	252.9	252.9	252.9	251.0	253.5
45°	195.4	194.1	192.9	190.2	194.8	193.5	192.9	194.1	192.9	193.5	194.8
47.5°	141.8	140.5	139.2	137.2	141.8	139.9	139.9	141.1	139.9	139.9	141.8
50°	95.1	95.8	95.1	93.9	95.1	94.5	95.1	96.4	95.1	94.5	95.1
52.5°	63.2	63.2	62.0	61.2	62.6	62.0	63.9	62.6	63.9	62.0	62.6
55°	38.4	39.0	38.4	37.6	38.4	37.6	39.6	39.0	39.6	37.6	38.4
57.5°	21.8	21.8	22.4	21.8	23.0	22.4	22.4	22.4	22.4	22.4	23.0
60°	12.1	12.1	12.1	12.1	12.1	12.1	12.8	12.1	12.8	12.1	12.1
62.5°	8.2	8.2	8.2	7.6	8.2	7.6	8.2	8.2	8.2	7.6	8.2
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
67.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
70°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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: P212775

CATALOG NUMBER: LE_6B10D010 EC6B10209024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
2.5°	558.8	552.4	555.5	561.9	553.0	560.6	556.1	548.5	548.5	554.2	555.5
5°	565.8	561.2	563.9	569.6	560.6	568.2	563.2	555.5	554.9	560.6	562.5
7.5°	572.1	567.6	570.9	576.6	567.0	574.8	570.2	561.9	560.6	566.4	568.2
10°	574.0	570.2	572.8	579.1	569.6	576.6	573.4	564.5	563.9	568.2	570.9
12.5°	577.2	574.0	577.2	583.6	574.0	581.1	577.9	569.0	567.6	573.4	575.4
15°	583.6	580.5	584.2	590.0	581.1	586.9	583.6	574.8	574.0	578.5	581.1
17.5°	584.2	581.8	585.5	590.0	581.1	586.9	584.2	574.8	574.0	579.1	581.1
20°	574.0	574.0	577.2	581.8	572.1	577.9	575.4	565.8	565.8	570.2	572.1
22.5°	559.4	560.0	563.2	567.0	557.5	563.2	560.6	551.1	551.8	555.5	558.1
25°	540.2	541.5	544.0	547.9	538.9	544.0	540.2	532.5	531.9	536.4	539.6
27.5°	515.2	517.2	519.8	523.0	514.6	518.5	516.0	508.2	507.6	512.1	515.2
30°	484.0	486.6	489.1	491.0	483.4	487.2	484.0	477.0	477.0	480.9	482.8
32.5°	447.0	449.5	452.8	454.0	446.4	450.9	448.2	440.6	440.6	444.4	448.2
35°	402.9	407.4	409.2	411.2	403.5	406.1	407.4	397.1	398.5	401.6	406.8
37.5°	355.6	359.5	362.0	363.4	356.2	358.9	359.5	350.6	351.9	354.4	360.1
40°	302.6	307.1	309.0	309.8	304.6	306.5	307.1	298.2	300.1	302.0	306.5
42.5°	249.6	250.2	252.2	253.5	249.0	249.6	251.0	242.6	245.2	245.9	250.2
45°	190.2	192.9	194.1	195.4	191.6	192.9	192.9	187.1	187.8	189.0	192.9
47.5°	137.2	139.2	140.5	141.8	138.6	139.9	139.9	134.1	136.0	136.6	139.2
50°	93.9	95.1	95.8	95.1	95.1	95.1	95.1	92.0	93.9	92.0	95.1
52.5°	61.2	62.0	63.2	63.2	61.2	62.6	62.6	60.0	60.6	60.6	62.6
55°	37.6	38.4	39.0	38.4	37.6	38.4	38.4	37.0	38.4	37.0	39.0
57.5°	21.8	22.4	21.8	21.8	21.8	21.8	21.8	21.8	21.8	21.1	22.4
60°	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.1	12.8
62.5°	7.6	8.2	8.2	8.2	8.2	8.2	8.2	7.6	8.2	8.2	8.2
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.0
67.5°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.8
70°	3.9	3.9	3.9	3.9	3.9	3.9	4.5	4.5	3.9	4.5	4.5
72.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
75°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.5
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.0	0.6
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: P212775

CATALOG NUMBER: LE_6B10D010 EC6B10209024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
2.5°	554.9	549.8	549.8	544.0	549.1	549.8	543.4	541.5	548.5	540.9	544.6
5°	560.0	554.9	554.9	549.1	553.0	553.0	546.6	543.4	550.4	542.8	546.0
7.5°	566.4	560.6	559.4	553.6	556.9	557.5	549.8	545.4	552.4	543.4	546.6
10°	568.2	561.9	561.2	555.5	558.1	558.8	549.8	546.0	551.8	542.1	544.0
12.5°	572.8	565.8	565.8	560.0	561.9	561.9	553.0	547.9	553.0	543.4	544.6
15°	577.9	570.2	570.2	564.5	565.8	566.4	555.5	550.4	554.9	544.6	546.0
17.5°	577.9	569.6	569.6	564.5	565.1	564.5	554.2	548.5	551.8	540.9	541.5
20°	569.0	560.6	561.9	556.1	556.9	556.1	545.4	539.6	542.8	531.2	532.5
22.5°	554.2	546.6	547.9	542.8	542.8	542.1	531.9	526.1	529.4	517.9	518.5
25°	535.8	528.1	529.4	524.2	524.9	524.9	514.6	508.2	511.5	501.2	501.2
27.5°	511.5	503.9	505.8	502.5	500.6	501.2	492.4	485.9	489.1	479.5	479.5
30°	480.2	473.8	475.8	473.1	471.2	471.2	463.6	457.2	460.4	452.1	451.5
32.5°	443.1	438.0	440.0	438.0	436.1	438.0	429.8	423.4	426.5	420.1	420.8
35°	402.9	397.9	399.1	397.1	395.9	397.1	388.9	384.4	387.6	381.2	383.8
37.5°	358.2	349.2	353.1	351.9	350.6	351.2	343.5	340.4	344.1	340.4	342.2
40°	305.9	299.5	302.0	300.8	299.5	302.6	296.9	292.5	295.6	293.1	296.9
42.5°	249.0	243.9	247.1	246.5	244.6	248.4	243.9	240.8	245.9	244.6	247.8
45°	191.6	187.8	190.2	190.2	189.6	192.9	188.4	189.0	194.1	196.0	199.9
47.5°	138.6	132.9	136.0	137.9	137.9	141.1	138.6	141.1	146.9	150.8	153.9
50°	94.5	93.2	93.9	94.5	95.8	98.4	97.8	101.5	105.4	111.8	115.6
52.5°	62.6	61.2	62.6	63.2	64.5	67.0	67.0	71.5	76.0	81.8	86.2
55°	39.0	38.4	39.0	39.6	40.9	43.4	44.0	48.5	53.0	58.8	62.6
57.5°	22.4	23.0	23.0	24.2	24.9	26.9	28.8	31.2	36.4	42.1	46.0
60°	12.8	12.8	13.4	14.0	14.6	16.6	17.9	20.4	24.2	30.0	32.6
62.5°	8.2	8.2	9.0	9.0	9.6	10.9	12.1	14.6	17.9	22.4	24.9
65°	7.0	7.0	7.0	7.6	7.6	9.0	10.2	12.1	14.6	17.9	20.4
67.5°	5.8	5.8	5.8	6.4	6.4	7.0	8.2	9.6	11.5	14.0	16.0
70°	4.5	4.5	4.5	5.1	5.1	5.8	6.4	7.0	9.0	10.9	12.1
72.5°	3.2	3.2	3.9	3.9	3.9	4.5	5.1	5.8	7.0	8.2	9.0
75°	2.5	2.5	2.5	2.5	3.2	3.2	3.9	4.5	5.1	5.8	6.4
77.5°	1.2	1.2	1.9	1.9	1.9	2.5	2.5	3.2	3.9	4.5	4.5
80°	1.2	1.2	1.2	1.2	1.2	1.9	1.9	1.9	2.5	3.2	3.2
82.5°	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.9	1.9	1.9
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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: P212775

CATALOG NUMBER: LE_6B10D010 EC6B10209024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
2.5°	540.2	542.1	542.1	540.2	535.1	539.6	544.0	539.6	545.4	535.1	535.1
5°	540.2	541.5	540.9	538.2	533.1	537.0	540.2	535.8	540.2	530.6	530.0
7.5°	541.5	540.2	538.9	535.8	529.4	531.9	535.1	530.0	534.5	524.2	523.0
10°	538.9	537.0	534.5	530.0	523.0	524.9	526.8	522.4	525.5	515.2	514.6
12.5°	538.9	535.8	531.9	526.8	519.1	520.4	522.4	516.6	519.1	509.5	508.2
15°	540.2	534.5	530.0	524.2	516.0	516.6	517.9	511.5	514.0	503.9	503.1
17.5°	535.8	529.4	524.9	517.9	508.9	509.5	509.5	503.1	505.1	494.9	494.2
20°	526.1	518.5	513.4	507.0	497.4	497.4	497.4	491.0	492.4	483.4	482.1
22.5°	512.8	504.5	499.4	493.0	484.0	483.4	482.8	477.6	477.6	469.4	467.4
25°	494.9	487.2	482.1	476.4	467.4	466.1	466.1	461.6	461.0	453.4	452.1
27.5°	474.5	465.5	461.0	455.9	447.6	446.4	445.8	443.1	441.9	433.6	432.9
30°	447.0	439.4	435.5	431.0	423.4	422.1	421.5	418.9	418.2	410.0	410.0
32.5°	417.6	408.0	405.5	401.0	395.2	394.6	395.2	392.1	389.5	383.8	382.5
35°	382.5	372.9	371.0	369.1	364.6	363.4	362.8	362.0	358.9	355.0	353.1
37.5°	341.6	333.4	333.4	332.6	329.5	329.5	329.5	328.2	325.0	323.8	319.9
40°	297.6	291.1	291.9	292.5	291.1	291.9	292.5	291.1	288.6	287.4	284.1
42.5°	250.2	247.1	249.6	251.6	251.6	253.5	254.8	254.8	251.6	251.0	248.4
45°	203.0	202.4	207.5	211.4	212.6	215.9	217.8	216.5	216.5	216.5	213.9
47.5°	159.0	161.5	166.0	173.6	176.2	180.1	181.4	183.2	182.6	183.2	181.4
50°	120.6	126.4	132.1	139.9	143.6	148.1	150.0	152.6	152.6	153.2	152.0
52.5°	91.2	95.8	105.4	110.5	115.0	119.4	122.0	124.5	125.1	125.1	123.9
55°	67.6	74.1	80.5	87.5	91.2	95.8	97.8	100.2	100.2	101.5	100.2
57.5°	49.1	55.5	62.6	67.6	72.1	75.4	77.2	79.1	80.5	80.5	79.9
60°	36.4	41.5	47.2	52.4	56.2	59.4	60.6	62.6	63.2	63.2	62.0
62.5°	27.5	32.6	37.6	42.1	44.8	47.2	48.5	49.8	49.8	49.8	49.1
65°	22.4	26.1	30.0	33.9	36.4	38.4	39.0	40.2	39.6	40.2	39.6
67.5°	17.9	20.4	23.6	26.1	28.1	29.4	30.0	31.2	30.6	31.2	30.6
70°	13.4	16.0	17.9	19.8	21.1	22.4	23.0	23.6	23.0	23.6	23.0
72.5°	10.2	11.5	13.4	15.4	16.0	16.6	17.2	17.2	17.2	17.9	17.2
75°	7.0	8.2	9.6	10.2	11.5	12.1	12.1	12.8	12.8	12.8	12.8
77.5°	5.1	5.8	6.4	7.0	7.6	8.2	8.2	9.0	9.0	9.0	9.0
80°	3.2	3.9	3.9	4.5	5.1	5.1	5.8	5.8	5.8	5.8	5.8
82.5°	1.9	2.5	2.5	3.2	3.2	3.2	3.9	3.9	3.9	3.9	3.9
85°	1.2	1.2	1.2	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	0.6	0.6
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: P212775

CATALOG NUMBER: LE_6B10D010 EC6B10209024 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	548.5	548.5	548.5	548.5
2.5°	540.2	537.0	542.1	534.5
5°	534.5	531.2	537.6	528.1
7.5°	527.5	524.2	530.0	520.4
10°	518.5	515.2	520.4	510.2
12.5°	510.9	507.6	513.4	503.9
15°	505.1	501.9	507.0	498.1
17.5°	496.1	492.4	498.1	488.5
20°	483.4	480.9	485.2	475.8
22.5°	468.8	466.1	471.2	461.6
25°	453.4	450.1	455.2	445.8
27.5°	433.6	431.0	436.1	426.5
30°	410.0	407.4	412.5	403.5
32.5°	383.1	380.6	384.4	376.8
35°	352.5	350.6	354.4	346.1
37.5°	319.2	317.4	321.2	312.9
40°	283.5	281.6	284.8	281.0
42.5°	248.4	246.5	249.6	246.5
45°	213.9	212.6	215.9	212.6
47.5°	182.0	180.8	183.9	180.8
50°	151.4	152.0	153.2	152.0
52.5°	123.9	123.9	125.8	123.9
55°	100.2	100.9	101.5	100.2
57.5°	79.9	79.9	80.5	79.9
60°	62.0	62.6	62.6	62.0
62.5°	49.1	49.1	49.1	49.1
65°	39.0	39.0	39.6	39.0
67.5°	30.6	30.0	30.6	30.0
70°	23.0	23.0	23.0	23.0
72.5°	17.9	17.9	17.2	17.2
75°	12.8	13.4	12.8	12.8
77.5°	9.0	9.0	9.0	9.0
80°	5.8	5.8	5.8	5.8
82.5°	3.9	3.9	3.9	3.9
85°	2.5	1.9	1.9	1.9
87.5°	1.2	0.6	0.6	0.6
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)