

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: P212824

Luminaire Tested: **LE_6B40D010 EC6B30508035 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212824
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_6B40D010 EC6B30508035 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5113.4 lumens
Efficiency: N/A
Efficacy: 118.9 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

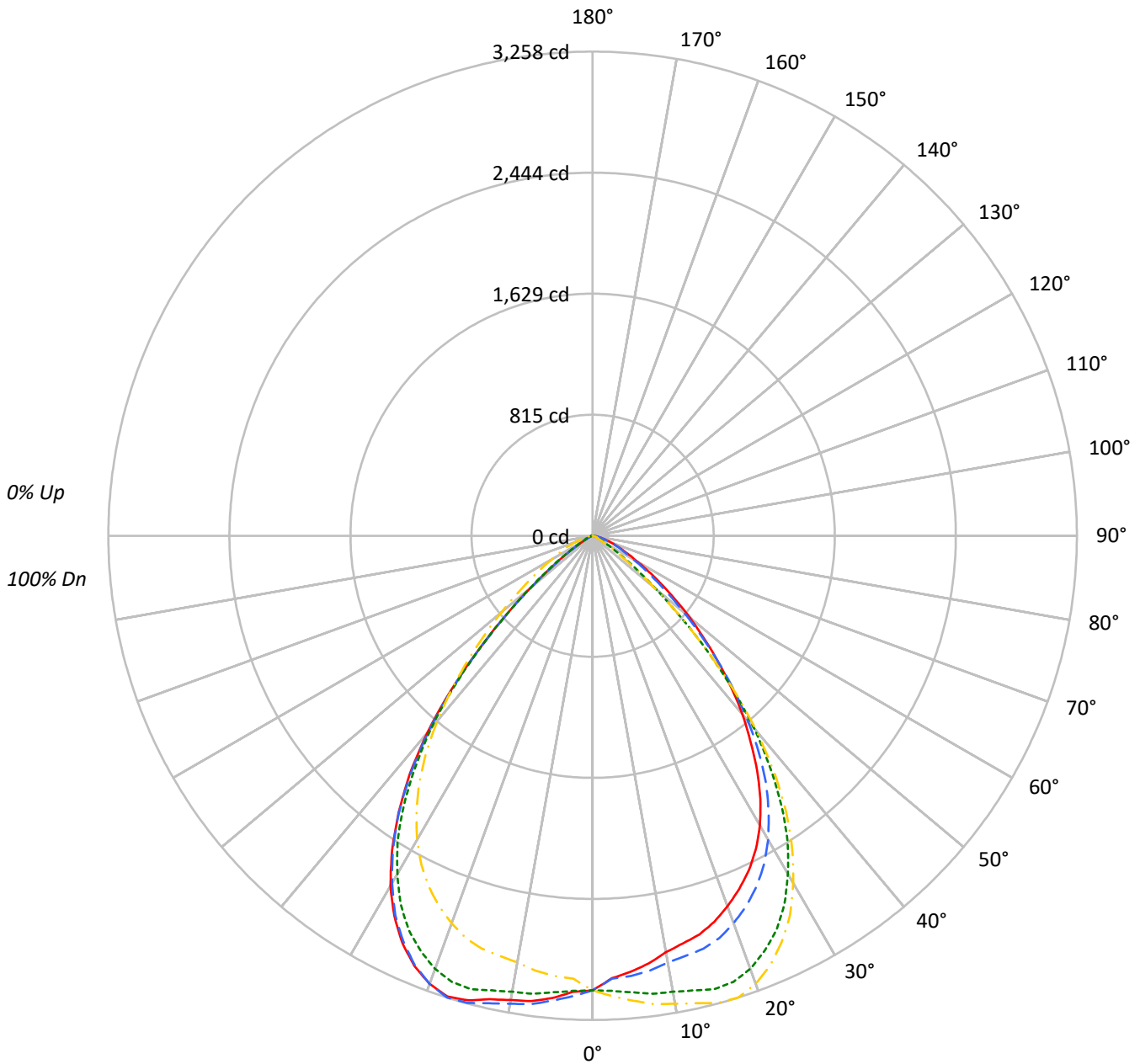
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212824

CATALOG NUMBER: LE_6B40D010 EC6B30508035 6LBSWL11

Luminous Intensity Polar Plot





TEST NUMBER: P212824

CATALOG NUMBER: LE_6B40D010 EC6B30508035 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	99	99	97	96	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82			82
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73			73
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66			66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60			60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54			54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49			49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42			42
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	167662	167662	167662	167662
5°	162035	169678	171830	169678
10°	158358	173421	176594	173421
15°	157612	179235	183679	179235
20°	154743	180913	187144	180913
25°	150317	177022	183059	177022
30°	142433	166329	172185	166329
35°	129148	148208	152257	148208
40°	112110	120769	123832	120769
45°	91917	83357	83916	83357
50°	72271	46753	45849	46753
55°	53427	23139	20750	23139
60°	37870	10153	7412	10153
65°	28161	6473	4618	6473
70°	20532	5129	3430	5129
75°	15081	3770	2245	3770
80°	10102	3346	1105	3346
85°	6667	2201	2201	2201



TEST NUMBER: P212824

CATALOG NUMBER: LE_6B40D010 EC6B30508035 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.8	5.7
10°-20°	867.2	17.0
20°-30°	1294.1	25.3
30°-40°	1329.5	26.0
40°-50°	861.0	16.8
50°-60°	320.1	6.3
60°-70°	105.0	2.1
70°-80°	37.0	0.7
80°-90°	6.6	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°	2454.0	48.0
0°-40°	3783.5	74.0
0°-60°	4964.7	97.1
0°-90°	5113.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5113.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3058	3058	3058	3058	3058	
5°	2944	3083	3122	3083	2944	278
15°	2777	3158	3236	3158	2777	781
25°	2485	2927	3026	2927	2485	1139
35°	1930	2215	2275	2215	1930	1198
45°	1186	1075	1082	1075	1186	917
55°	559	242	217	242	559	510
65°	217	50	36	50	217	221
75°	71	18	11	18	71	78
85°	11	4	4	4	11	14
90°	0	0	0	0	0	



TEST NUMBER: P212824

CATALOG NUMBER: LE_6B40D010 EC6B30508035 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4
2.5°	2980.1	3022.8	2994.2	3012.1	2983.6	2983.6	3040.6	3008.5	3033.5	3008.5	2983.6
5°	2944.5	2997.9	2962.2	2980.1	2955.1	2958.8	3012.1	2987.2	3012.1	2994.2	2973.0
7.5°	2901.8	2955.1	2923.1	2940.9	2916.0	2923.1	2980.1	2955.1	2983.6	2965.9	2951.6
10°	2844.8	2901.8	2873.2	2891.0	2869.8	2873.2	2930.2	2912.4	2937.4	2926.6	2916.0
12.5°	2809.1	2862.6	2830.5	2848.4	2834.1	2841.2	2894.6	2880.4	2912.4	2901.8	2894.6
15°	2777.1	2827.0	2798.5	2816.2	2805.6	2809.1	2866.1	2851.9	2887.5	2880.4	2876.9
17.5°	2723.8	2777.1	2745.1	2766.5	2755.8	2759.4	2816.2	2805.6	2841.2	2841.2	2837.6
20°	2652.5	2705.9	2681.0	2695.2	2688.1	2695.2	2745.1	2738.0	2773.6	2773.6	2773.6
22.5°	2574.1	2627.6	2599.1	2613.4	2606.2	2616.9	2663.2	2663.2	2691.6	2695.2	2698.8
25°	2485.1	2538.6	2510.1	2527.9	2520.8	2527.9	2570.6	2574.1	2599.1	2599.1	2606.2
27.5°	2378.4	2431.8	2403.2	2417.5	2414.0	2417.5	2463.8	2470.9	2485.1	2488.8	2495.9
30°	2250.1	2300.0	2271.5	2285.8	2285.8	2285.8	2332.1	2335.6	2349.9	2353.4	2360.5
32.5°	2100.6	2143.4	2122.0	2136.2	2132.8	2139.8	2171.9	2186.1	2203.9	2200.4	2203.9
35°	1929.8	1976.0	1954.6	1965.4	1968.9	1979.6	2001.0	2018.8	2022.4	2025.9	2033.0
37.5°	1744.6	1790.9	1769.5	1780.2	1783.8	1805.1	1812.2	1830.0	1837.1	1837.1	1837.1
40°	1566.6	1588.0	1570.1	1580.9	1584.4	1602.2	1609.2	1623.5	1630.6	1627.1	1623.5
42.5°	1374.4	1392.1	1374.4	1385.0	1385.0	1399.2	1402.8	1420.6	1420.6	1413.5	1402.8
45°	1185.6	1203.4	1185.6	1192.8	1192.8	1207.0	1207.0	1207.0	1214.1	1203.4	1185.6
47.5°	1007.6	1025.4	1007.6	1014.8	1011.1	1021.9	1018.2	1021.9	1011.1	1004.0	982.6
50°	847.4	854.5	847.4	843.9	847.4	854.5	851.0	851.0	836.8	826.0	801.1
52.5°	690.8	701.4	690.8	690.8	690.8	697.9	697.9	694.2	680.0	665.8	640.9
55°	559.0	566.1	562.5	559.0	559.0	566.1	559.0	559.0	544.8	534.1	509.1
57.5°	445.0	448.6	445.0	445.0	445.0	448.6	448.6	441.5	430.8	420.1	402.4
60°	345.4	348.9	348.9	345.4	345.4	352.5	352.5	348.9	338.2	331.1	313.4
62.5°	274.1	274.1	274.1	274.1	274.1	277.8	277.8	277.8	270.6	263.5	249.2
65°	217.1	220.8	217.1	217.1	220.8	224.2	220.8	224.2	217.1	213.6	203.0
67.5°	167.4	170.9	167.4	170.9	170.9	174.5	170.9	174.5	167.4	163.8	156.6
70°	128.1	128.1	128.1	128.1	128.1	131.8	128.1	131.8	128.1	124.6	117.5
72.5°	96.1	96.1	99.8	99.8	96.1	99.8	96.1	96.1	96.1	92.6	89.0
75°	71.2	71.2	74.8	71.2	71.2	71.2	71.2	71.2	67.6	67.6	64.1
77.5°	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	46.2	46.2	42.8
80°	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	28.5	28.5
82.5°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	17.8	17.8
85°	10.6	10.6	10.6	14.2	10.6	10.6	10.6	10.6	10.6	10.6	10.6
87.5°	3.5	3.5	3.5	7.1	3.5	3.5	7.1	7.1	3.5	3.5	3.5
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: P212824

CATALOG NUMBER: LE_6B40D010 EC6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4
2.5°	3012.1	3022.8	3022.8	3012.1	3037.0	3015.6	3058.4	3019.2	3029.9	3065.5	3062.0
5°	3001.4	3015.6	3019.2	3012.1	3044.1	3026.4	3069.1	3029.9	3047.8	3083.4	3083.4
7.5°	2987.2	3005.0	3012.1	3019.2	3047.8	3029.9	3079.8	3040.6	3065.5	3108.2	3104.6
10°	2955.1	2980.1	2994.2	3005.0	3033.5	3022.8	3076.2	3044.1	3065.5	3115.4	3111.8
12.5°	2937.4	2965.9	2987.2	3005.0	3037.0	3029.9	3083.4	3054.9	3083.4	3133.1	3133.1
15°	2923.1	2955.1	2980.1	3012.1	3044.1	3037.0	3094.0	3069.1	3097.6	3158.1	3154.5
17.5°	2887.5	2926.6	2951.6	2987.2	3019.2	3015.6	3076.2	3058.4	3090.5	3147.4	3151.0
20°	2827.0	2862.6	2891.0	2933.8	2969.4	2962.2	3026.4	3008.5	3040.6	3101.1	3104.6
22.5°	2748.6	2784.2	2812.8	2859.0	2891.0	2887.5	2951.6	2933.8	2965.9	3022.8	3026.4
25°	2656.1	2688.1	2716.6	2759.4	2794.9	2794.9	2851.9	2834.1	2869.8	2926.6	2926.6
27.5°	2542.1	2570.6	2595.5	2645.4	2673.9	2673.9	2727.2	2709.5	2745.1	2794.9	2791.4
30°	2403.2	2428.2	2449.6	2492.2	2517.2	2520.8	2567.0	2549.2	2584.9	2627.6	2627.6
32.5°	2236.0	2260.9	2275.1	2328.5	2346.4	2342.8	2378.4	2360.5	2396.1	2442.5	2431.8
35°	2057.9	2068.6	2079.2	2132.8	2139.8	2125.6	2161.1	2143.4	2168.2	2214.6	2207.5
37.5°	1855.0	1858.5	1858.5	1904.9	1908.4	1897.8	1919.1	1897.8	1915.5	1958.2	1954.6
40°	1630.6	1627.1	1623.5	1659.1	1655.6	1634.2	1648.5	1630.6	1655.6	1687.6	1669.9
42.5°	1402.8	1392.1	1377.9	1395.6	1381.5	1363.6	1370.8	1342.2	1360.1	1385.0	1363.6
45°	1178.5	1157.1	1128.6	1132.2	1114.4	1093.0	1082.4	1053.9	1050.4	1075.2	1057.5
47.5°	968.4	925.8	900.8	886.5	858.0	840.2	818.9	786.9	772.6	786.9	769.0
50°	779.8	737.0	705.0	672.9	644.4	623.1	587.5	566.1	544.8	548.2	534.1
52.5°	616.0	587.5	534.1	509.1	480.6	455.8	423.8	398.8	373.9	373.9	359.6
55°	487.8	448.6	413.0	377.4	348.9	327.5	295.5	270.6	245.6	242.1	227.9
57.5°	377.4	348.9	309.8	274.1	256.4	235.0	203.0	174.5	160.2	149.5	138.9
60°	292.0	263.5	231.4	203.0	181.6	167.4	135.2	113.9	99.8	92.6	81.9
62.5°	235.0	210.1	181.6	153.1	138.9	124.6	99.8	81.9	67.6	60.5	53.4
65°	188.8	167.4	146.0	124.6	113.9	99.8	81.9	67.6	57.0	49.9	42.8
67.5°	146.0	131.8	113.9	99.8	89.0	78.4	64.1	53.4	46.2	39.1	35.6
70°	110.4	99.8	89.0	74.8	67.6	60.5	49.9	39.1	35.6	32.0	28.5
72.5°	85.5	74.8	64.1	57.0	49.9	46.2	39.1	32.0	28.5	24.9	21.4
75°	57.0	53.4	46.2	39.1	35.6	32.0	28.5	24.9	21.4	17.8	17.8
77.5°	39.1	35.6	32.0	28.5	24.9	24.9	21.4	17.8	14.2	14.2	10.6
80°	24.9	21.4	21.4	17.8	17.8	17.8	14.2	10.6	10.6	10.6	7.1
82.5°	17.8	14.2	14.2	10.6	10.6	10.6	10.6	7.1	7.1	7.1	3.5
85°	10.6	7.1	7.1	7.1	7.1	7.1	7.1	3.5	3.5	3.5	3.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	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: P212824

CATALOG NUMBER: LE_6B40D010 EC6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4
2.5°	3033.5	3065.5	3065.5	3094.0	3097.6	3090.5	3058.4	3058.4	3101.1	3126.0	3083.4
5°	3062.0	3094.0	3094.0	3122.5	3136.8	3126.0	3094.0	3097.6	3140.2	3168.8	3126.0
7.5°	3086.9	3118.9	3126.0	3158.1	3168.8	3158.1	3126.0	3133.1	3179.5	3204.4	3161.6
10°	3097.6	3129.6	3133.1	3168.8	3183.0	3168.8	3143.9	3147.4	3197.2	3215.0	3175.9
12.5°	3122.5	3154.5	3154.5	3193.8	3207.9	3197.2	3165.2	3172.4	3222.1	3240.0	3200.9
15°	3147.4	3179.5	3179.5	3222.1	3240.0	3225.8	3200.9	3204.4	3254.2	3272.0	3240.0
17.5°	3147.4	3175.9	3175.9	3222.1	3240.0	3229.2	3200.9	3204.4	3257.8	3272.0	3240.0
20°	3101.1	3133.1	3126.0	3172.4	3190.1	3179.5	3154.5	3154.5	3207.9	3222.1	3190.1
22.5°	3026.4	3054.9	3047.8	3090.5	3111.8	3097.6	3076.2	3072.6	3126.0	3140.2	3108.2
25°	2923.1	2951.6	2944.5	2987.2	3008.5	2990.8	2965.9	2969.4	3012.1	3033.5	3005.0
27.5°	2802.0	2819.9	2809.1	2851.9	2873.2	2855.5	2830.5	2834.1	2876.9	2891.0	2869.8
30°	2638.2	2652.5	2641.9	2677.4	2691.6	2681.0	2659.6	2659.6	2698.8	2716.6	2695.2
32.5°	2442.5	2453.1	2442.5	2470.9	2499.4	2478.0	2456.8	2456.8	2499.4	2513.6	2488.8
35°	2214.6	2225.2	2218.1	2246.6	2268.0	2239.5	2221.8	2214.6	2271.5	2264.4	2250.1
37.5°	1961.8	1968.9	1947.5	1997.4	2008.1	1976.0	1961.8	1954.6	2004.5	2001.0	1986.8
40°	1677.0	1684.1	1669.9	1705.5	1709.0	1684.1	1673.4	1662.8	1712.5	1709.0	1698.4
42.5°	1374.4	1377.9	1360.1	1388.6	1395.6	1370.8	1367.2	1353.0	1399.2	1392.1	1388.6
45°	1061.0	1061.0	1046.8	1068.1	1075.2	1053.9	1046.8	1043.2	1075.2	1075.2	1068.1
47.5°	769.0	758.4	740.6	772.6	776.1	761.9	758.4	747.8	779.8	779.8	772.6
50°	527.0	523.4	519.9	527.0	530.5	512.8	523.4	512.8	530.5	530.5	530.5
52.5°	352.5	348.9	341.8	348.9	348.9	338.2	338.2	334.6	348.9	348.9	341.8
55°	220.8	217.1	213.6	217.1	217.1	206.5	213.6	206.5	213.6	213.6	210.1
57.5°	135.2	128.1	128.1	124.6	124.6	117.5	121.0	121.0	121.0	121.0	121.0
60°	78.4	74.8	71.2	71.2	71.2	67.6	67.6	67.6	67.6	67.6	67.6
62.5°	49.9	49.9	46.2	46.2	46.2	46.2	46.2	42.8	46.2	46.2	46.2
65°	42.8	39.1	39.1	39.1	39.1	35.6	35.6	35.6	35.6	35.6	35.6
67.5°	35.6	32.0	32.0	32.0	32.0	28.5	28.5	28.5	28.5	28.5	28.5
70°	28.5	24.9	24.9	24.9	24.9	24.9	21.4	24.9	24.9	21.4	21.4
72.5°	21.4	21.4	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
75°	14.2	14.2	14.2	14.2	14.2	10.6	10.6	10.6	10.6	10.6	10.6
77.5°	10.6	10.6	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	7.1	7.1	7.1	7.1	7.1	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	3.5	3.5	3.5	3.5	3.5	0.0	3.5	0.0	3.5	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: P212824

CATALOG NUMBER: LE_6B40D010 EC6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4
2.5°	3133.1	3097.6	3079.8	3115.4	3129.6	3111.8	3097.6	3072.6	3097.6	3111.8	3129.6
5°	3175.9	3143.9	3129.6	3154.5	3175.9	3158.1	3147.4	3122.5	3147.4	3158.1	3175.9
7.5°	3215.0	3183.0	3165.2	3190.1	3215.0	3190.1	3179.5	3158.1	3179.5	3190.1	3215.0
10°	3229.2	3193.8	3179.5	3200.9	3225.8	3200.9	3186.6	3172.4	3186.6	3200.9	3225.8
12.5°	3254.2	3218.6	3200.9	3218.6	3243.5	3218.6	3204.4	3193.8	3204.4	3218.6	3243.5
15°	3289.9	3257.8	3236.4	3254.2	3286.2	3257.8	3240.0	3236.4	3240.0	3257.8	3286.2
17.5°	3289.9	3264.9	3243.5	3257.8	3289.9	3268.5	3243.5	3250.6	3243.5	3268.5	3289.9
20°	3243.5	3218.6	3200.9	3200.9	3247.1	3218.6	3197.2	3207.9	3197.2	3218.6	3247.1
22.5°	3161.6	3140.2	3122.5	3118.9	3165.2	3140.2	3111.8	3133.1	3111.8	3140.2	3165.2
25°	3054.9	3033.5	3019.2	3012.1	3058.4	3029.9	3005.0	3026.4	3005.0	3029.9	3058.4
27.5°	2916.0	2898.1	2884.0	2873.2	2916.0	2891.0	2866.1	2887.5	2866.1	2891.0	2916.0
30°	2738.0	2727.2	2713.0	2698.8	2741.5	2716.6	2691.6	2720.1	2691.6	2716.6	2741.5
32.5°	2531.5	2524.4	2506.5	2492.2	2535.0	2506.5	2488.8	2510.1	2488.8	2506.5	2535.0
35°	2292.9	2282.2	2271.5	2246.6	2292.9	2268.0	2268.0	2275.1	2268.0	2268.0	2292.9
37.5°	2025.9	2018.8	2004.5	1983.1	2022.4	2004.5	1997.4	2018.8	1997.4	2004.5	2022.4
40°	1726.8	1723.2	1712.5	1687.6	1730.4	1712.5	1701.9	1730.4	1701.9	1712.5	1730.4
42.5°	1413.5	1406.4	1395.6	1392.1	1413.5	1399.2	1409.9	1409.9	1409.9	1399.2	1413.5
45°	1089.5	1082.4	1075.2	1061.0	1085.9	1078.8	1075.2	1082.4	1075.2	1078.8	1085.9
47.5°	790.4	783.2	776.1	765.5	790.4	779.8	779.8	786.9	779.8	779.8	790.4
50°	530.5	534.1	530.5	523.4	530.5	527.0	530.5	537.6	530.5	527.0	530.5
52.5°	352.5	352.5	345.4	341.8	348.9	345.4	356.0	348.9	356.0	345.4	348.9
55°	213.6	217.1	213.6	210.1	213.6	210.1	220.8	217.1	220.8	210.1	213.6
57.5°	121.0	121.0	124.6	121.0	128.1	124.6	124.6	124.6	124.6	124.6	128.1
60°	67.6	67.6	67.6	67.6	67.6	67.6	71.2	67.6	71.2	67.6	67.6
62.5°	46.2	46.2	46.2	42.8	46.2	42.8	46.2	46.2	46.2	42.8	46.2
65°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
67.5°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
70°	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4	21.4
72.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
75°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	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: P212824

CATALOG NUMBER: LE_6B40D010 EC6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4
2.5°	3115.4	3079.8	3097.6	3133.1	3083.4	3126.0	3101.1	3058.4	3058.4	3090.5	3097.6
5°	3154.5	3129.6	3143.9	3175.9	3126.0	3168.8	3140.2	3097.6	3094.0	3126.0	3136.8
7.5°	3190.1	3165.2	3183.0	3215.0	3161.6	3204.4	3179.5	3133.1	3126.0	3158.1	3168.8
10°	3200.9	3179.5	3193.8	3229.2	3175.9	3215.0	3197.2	3147.4	3143.9	3168.8	3183.0
12.5°	3218.6	3200.9	3218.6	3254.2	3200.9	3240.0	3222.1	3172.4	3165.2	3197.2	3207.9
15°	3254.2	3236.4	3257.8	3289.9	3240.0	3272.0	3254.2	3204.4	3200.9	3225.8	3240.0
17.5°	3257.8	3243.5	3264.9	3289.9	3240.0	3272.0	3257.8	3204.4	3200.9	3229.2	3240.0
20°	3200.9	3200.9	3218.6	3243.5	3190.1	3222.1	3207.9	3154.5	3154.5	3179.5	3190.1
22.5°	3118.9	3122.5	3140.2	3161.6	3108.2	3140.2	3126.0	3072.6	3076.2	3097.6	3111.8
25°	3012.1	3019.2	3033.5	3054.9	3005.0	3033.5	3012.1	2969.4	2965.9	2990.8	3008.5
27.5°	2873.2	2884.0	2898.1	2916.0	2869.8	2891.0	2876.9	2834.1	2830.5	2855.5	2873.2
30°	2698.8	2713.0	2727.2	2738.0	2695.2	2716.6	2698.8	2659.6	2659.6	2681.0	2691.6
32.5°	2492.2	2506.5	2524.4	2531.5	2488.8	2513.6	2499.4	2456.8	2456.8	2478.0	2499.4
35°	2246.6	2271.5	2282.2	2292.9	2250.1	2264.4	2271.5	2214.6	2221.8	2239.5	2268.0
37.5°	1983.1	2004.5	2018.8	2025.9	1986.8	2001.0	2004.5	1954.6	1961.8	1976.0	2008.1
40°	1687.6	1712.5	1723.2	1726.8	1698.4	1709.0	1712.5	1662.8	1673.4	1684.1	1709.0
42.5°	1392.1	1395.6	1406.4	1413.5	1388.6	1392.1	1399.2	1353.0	1367.2	1370.8	1395.6
45°	1061.0	1075.2	1082.4	1089.5	1068.1	1075.2	1075.2	1043.2	1046.8	1053.9	1075.2
47.5°	765.5	776.1	783.2	790.4	772.6	779.8	779.8	747.8	758.4	761.9	776.1
50°	523.4	530.5	534.1	530.5	530.5	530.5	530.5	512.8	523.4	512.8	530.5
52.5°	341.8	345.4	352.5	352.5	341.8	348.9	348.9	334.6	338.2	338.2	348.9
55°	210.1	213.6	217.1	213.6	210.1	213.6	213.6	206.5	213.6	206.5	217.1
57.5°	121.0	124.6	121.0	121.0	121.0	121.0	121.0	121.0	121.0	117.5	124.6
60°	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	71.2
62.5°	42.8	46.2	46.2	46.2	46.2	46.2	46.2	42.8	46.2	46.2	46.2
65°	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	39.1
67.5°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	32.0
70°	21.4	21.4	21.4	21.4	21.4	21.4	24.9	24.9	21.4	24.9	24.9
72.5°	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8
75°	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6	14.2
77.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.1
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	3.5	0.0	3.5
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: P212824

CATALOG NUMBER: LE_6B40D010 EC6B30508035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4
2.5°	3094.0	3065.5	3065.5	3033.5	3062.0	3065.5	3029.9	3019.2	3058.4	3015.6	3037.0
5°	3122.5	3094.0	3094.0	3062.0	3083.4	3083.4	3047.8	3029.9	3069.1	3026.4	3044.1
7.5°	3158.1	3126.0	3118.9	3086.9	3104.6	3108.2	3065.5	3040.6	3079.8	3029.9	3047.8
10°	3168.8	3133.1	3129.6	3097.6	3111.8	3115.4	3065.5	3044.1	3076.2	3022.8	3033.5
12.5°	3193.8	3154.5	3154.5	3122.5	3133.1	3133.1	3083.4	3054.9	3083.4	3029.9	3037.0
15°	3222.1	3179.5	3179.5	3147.4	3154.5	3158.1	3097.6	3069.1	3094.0	3037.0	3044.1
17.5°	3222.1	3175.9	3175.9	3147.4	3151.0	3147.4	3090.5	3058.4	3076.2	3015.6	3019.2
20°	3172.4	3126.0	3133.1	3101.1	3104.6	3101.1	3040.6	3008.5	3026.4	2962.2	2969.4
22.5°	3090.5	3047.8	3054.9	3026.4	3026.4	3022.8	2965.9	2933.8	2951.6	2887.5	2891.0
25°	2987.2	2944.5	2951.6	2923.1	2926.6	2926.6	2869.8	2834.1	2851.9	2794.9	2794.9
27.5°	2851.9	2809.1	2819.9	2802.0	2791.4	2794.9	2745.1	2709.5	2727.2	2673.9	2673.9
30°	2677.4	2641.9	2652.5	2638.2	2627.6	2627.6	2584.9	2549.2	2567.0	2520.8	2517.2
32.5°	2470.9	2442.5	2453.1	2442.5	2431.8	2442.5	2396.1	2360.5	2378.4	2342.8	2346.4
35°	2246.6	2218.1	2225.2	2214.6	2207.5	2214.6	2168.2	2143.4	2161.1	2125.6	2139.8
37.5°	1997.4	1947.5	1968.9	1961.8	1954.6	1958.2	1915.5	1897.8	1919.1	1897.8	1908.4
40°	1705.5	1669.9	1684.1	1677.0	1669.9	1687.6	1655.6	1630.6	1648.5	1634.2	1655.6
42.5°	1388.6	1360.1	1377.9	1374.4	1363.6	1385.0	1360.1	1342.2	1370.8	1363.6	1381.5
45°	1068.1	1046.8	1061.0	1061.0	1057.5	1075.2	1050.4	1053.9	1082.4	1093.0	1114.4
47.5°	772.6	740.6	758.4	769.0	769.0	786.9	772.6	786.9	818.9	840.2	858.0
50°	527.0	519.9	523.4	527.0	534.1	548.2	544.8	566.1	587.5	623.1	644.4
52.5°	348.9	341.8	348.9	352.5	359.6	373.9	373.9	398.8	423.8	455.8	480.6
55°	217.1	213.6	217.1	220.8	227.9	242.1	245.6	270.6	295.5	327.5	348.9
57.5°	124.6	128.1	128.1	135.2	138.9	149.5	160.2	174.5	203.0	235.0	256.4
60°	71.2	71.2	74.8	78.4	81.9	92.6	99.8	113.9	135.2	167.4	181.6
62.5°	46.2	46.2	49.9	49.9	53.4	60.5	67.6	81.9	99.8	124.6	138.9
65°	39.1	39.1	39.1	42.8	42.8	49.9	57.0	67.6	81.9	99.8	113.9
67.5°	32.0	32.0	32.0	35.6	35.6	39.1	46.2	53.4	64.1	78.4	89.0
70°	24.9	24.9	24.9	28.5	28.5	32.0	35.6	39.1	49.9	60.5	67.6
72.5°	17.8	17.8	21.4	21.4	21.4	24.9	28.5	32.0	39.1	46.2	49.9
75°	14.2	14.2	14.2	14.2	17.8	17.8	21.4	24.9	28.5	32.0	35.6
77.5°	7.1	7.1	10.6	10.6	10.6	14.2	14.2	17.8	21.4	24.9	24.9
80°	7.1	7.1	7.1	7.1	7.1	10.6	10.6	10.6	14.2	17.8	17.8
82.5°	3.5	3.5	3.5	3.5	3.5	7.1	7.1	7.1	10.6	10.6	10.6
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.1	7.1	7.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5	3.5
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: P212824

CATALOG NUMBER: LE_6B40D010 EC6B30508035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4	3058.4
2.5°	3012.1	3022.8	3022.8	3012.1	2983.6	3008.5	3033.5	3008.5	3040.6	2983.6	2983.6
5°	3012.1	3019.2	3015.6	3001.4	2973.0	2994.2	3012.1	2987.2	3012.1	2958.8	2955.1
7.5°	3019.2	3012.1	3005.0	2987.2	2951.6	2965.9	2983.6	2955.1	2980.1	2923.1	2916.0
10°	3005.0	2994.2	2980.1	2955.1	2916.0	2926.6	2937.4	2912.4	2930.2	2873.2	2869.8
12.5°	3005.0	2987.2	2965.9	2937.4	2894.6	2901.8	2912.4	2880.4	2894.6	2841.2	2834.1
15°	3012.1	2980.1	2955.1	2923.1	2876.9	2880.4	2887.5	2851.9	2866.1	2809.1	2805.6
17.5°	2987.2	2951.6	2926.6	2887.5	2837.6	2841.2	2841.2	2805.6	2816.2	2759.4	2755.8
20°	2933.8	2891.0	2862.6	2827.0	2773.6	2773.6	2773.6	2738.0	2745.1	2695.2	2688.1
22.5°	2859.0	2812.8	2784.2	2748.6	2698.8	2695.2	2691.6	2663.2	2663.2	2616.9	2606.2
25°	2759.4	2716.6	2688.1	2656.1	2606.2	2599.1	2599.1	2574.1	2570.6	2527.9	2520.8
27.5°	2645.4	2595.5	2570.6	2542.1	2495.9	2488.8	2485.1	2470.9	2463.8	2417.5	2414.0
30°	2492.2	2449.6	2428.2	2403.2	2360.5	2353.4	2349.9	2335.6	2332.1	2285.8	2285.8
32.5°	2328.5	2275.1	2260.9	2236.0	2203.9	2200.4	2203.9	2186.1	2171.9	2139.8	2132.8
35°	2132.8	2079.2	2068.6	2057.9	2033.0	2025.9	2022.4	2018.8	2001.0	1979.6	1968.9
37.5°	1904.9	1858.5	1858.5	1855.0	1837.1	1837.1	1837.1	1830.0	1812.2	1805.1	1783.8
40°	1659.1	1623.5	1627.1	1630.6	1623.5	1627.1	1630.6	1623.5	1609.2	1602.2	1584.4
42.5°	1395.6	1377.9	1392.1	1402.8	1402.8	1413.5	1420.6	1420.6	1402.8	1399.2	1385.0
45°	1132.2	1128.6	1157.1	1178.5	1185.6	1203.4	1214.1	1207.0	1207.0	1207.0	1192.8
47.5°	886.5	900.8	925.8	968.4	982.6	1004.0	1011.1	1021.9	1018.2	1021.9	1011.1
50°	672.9	705.0	737.0	779.8	801.1	826.0	836.8	851.0	851.0	854.5	847.4
52.5°	509.1	534.1	587.5	616.0	640.9	665.8	680.0	694.2	697.9	697.9	690.8
55°	377.4	413.0	448.6	487.8	509.1	534.1	544.8	559.0	559.0	566.1	559.0
57.5°	274.1	309.8	348.9	377.4	402.4	420.1	430.8	441.5	448.6	448.6	445.0
60°	203.0	231.4	263.5	292.0	313.4	331.1	338.2	348.9	352.5	352.5	345.4
62.5°	153.1	181.6	210.1	235.0	249.2	263.5	270.6	277.8	277.8	277.8	274.1
65°	124.6	146.0	167.4	188.8	203.0	213.6	217.1	224.2	220.8	224.2	220.8
67.5°	99.8	113.9	131.8	146.0	156.6	163.8	167.4	174.5	170.9	174.5	170.9
70°	74.8	89.0	99.8	110.4	117.5	124.6	128.1	131.8	128.1	131.8	128.1
72.5°	57.0	64.1	74.8	85.5	89.0	92.6	96.1	96.1	96.1	99.8	96.1
75°	39.1	46.2	53.4	57.0	64.1	67.6	67.6	71.2	71.2	71.2	71.2
77.5°	28.5	32.0	35.6	39.1	42.8	46.2	46.2	49.9	49.9	49.9	49.9
80°	17.8	21.4	21.4	24.9	28.5	28.5	32.0	32.0	32.0	32.0	32.0
82.5°	10.6	14.2	14.2	17.8	17.8	17.8	21.4	21.4	21.4	21.4	21.4
85°	7.1	7.1	7.1	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.1	7.1	3.5	3.5
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: P212824

CATALOG NUMBER: LE_6B40D010 EC6B30508035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3058.4	3058.4	3058.4	3058.4
2.5°	3012.1	2994.2	3022.8	2980.1
5°	2980.1	2962.2	2997.9	2944.5
7.5°	2940.9	2923.1	2955.1	2901.8
10°	2891.0	2873.2	2901.8	2844.8
12.5°	2848.4	2830.5	2862.6	2809.1
15°	2816.2	2798.5	2827.0	2777.1
17.5°	2766.5	2745.1	2777.1	2723.8
20°	2695.2	2681.0	2705.9	2652.5
22.5°	2613.4	2599.1	2627.6	2574.1
25°	2527.9	2510.1	2538.6	2485.1
27.5°	2417.5	2403.2	2431.8	2378.4
30°	2285.8	2271.5	2300.0	2250.1
32.5°	2136.2	2122.0	2143.4	2100.6
35°	1965.4	1954.6	1976.0	1929.8
37.5°	1780.2	1769.5	1790.9	1744.6
40°	1580.9	1570.1	1588.0	1566.6
42.5°	1385.0	1374.4	1392.1	1374.4
45°	1192.8	1185.6	1203.4	1185.6
47.5°	1014.8	1007.6	1025.4	1007.6
50°	843.9	847.4	854.5	847.4
52.5°	690.8	690.8	701.4	690.8
55°	559.0	562.5	566.1	559.0
57.5°	445.0	445.0	448.6	445.0
60°	345.4	348.9	348.9	345.4
62.5°	274.1	274.1	274.1	274.1
65°	217.1	217.1	220.8	217.1
67.5°	170.9	167.4	170.9	167.4
70°	128.1	128.1	128.1	128.1
72.5°	99.8	99.8	96.1	96.1
75°	71.2	74.8	71.2	71.2
77.5°	49.9	49.9	49.9	49.9
80°	32.0	32.0	32.0	32.0
82.5°	21.4	21.4	21.4	21.4
85°	14.2	10.6	10.6	10.6
87.5°	7.1	3.5	3.5	3.5
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)