

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: P212842

Luminaire Tested: **LE_6B50D010R EC6B30509030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212842
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_6B50D010R EC6B30509030 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5452.2 lumens
Efficiency: N/A
Efficacy: 92.7 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

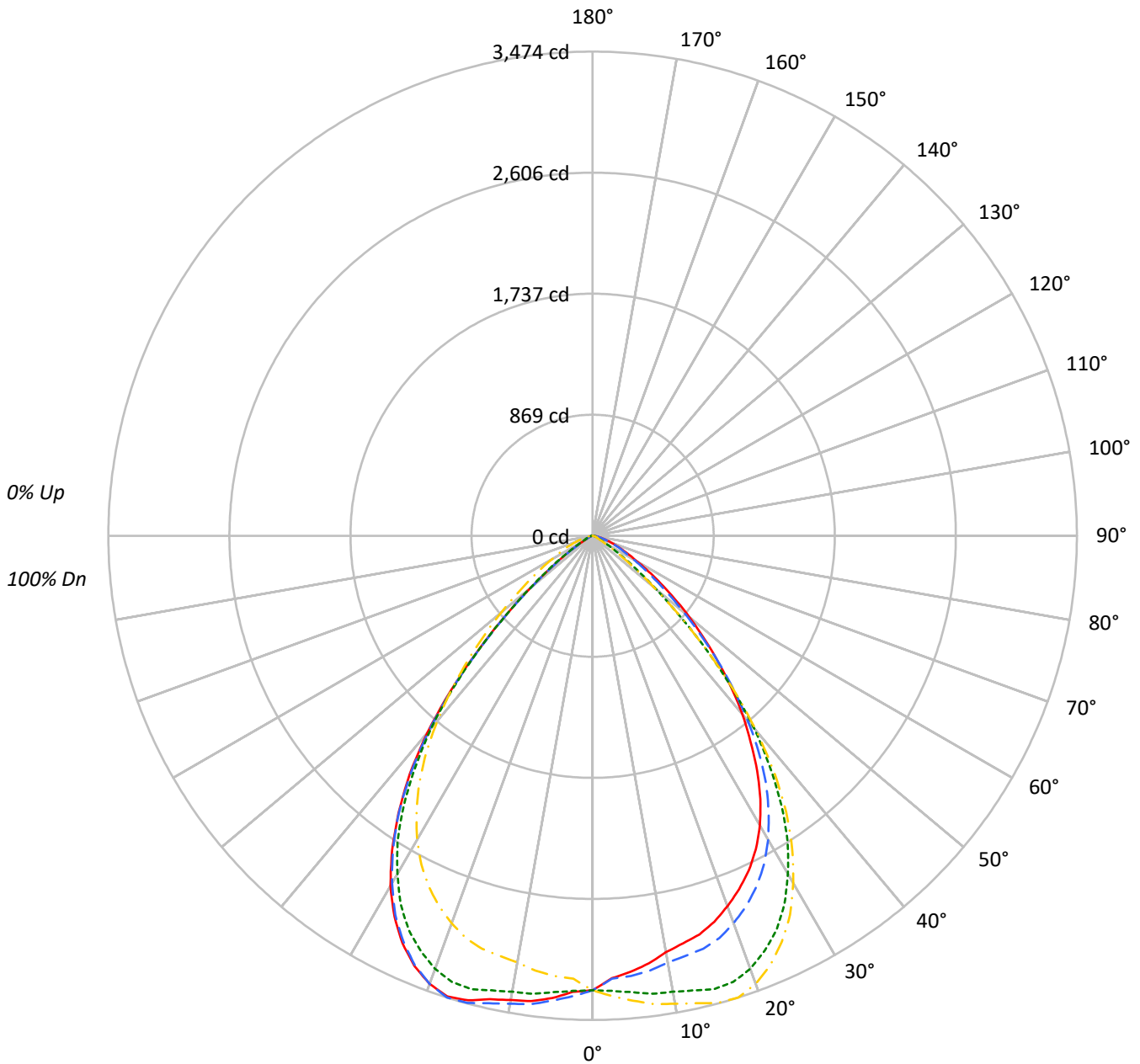
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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								
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°	178769	178769	178769	178769
5°	172765	180915	183215	180915
10°	168846	184911	188290	184911
15°	168054	191113	195852	191113
20°	164993	192902	199547	192902
25°	160285	188757	195187	188757
30°	151871	177344	183598	177344
35°	137701	158019	162349	158019
40°	119538	128777	132033	128777
45°	98002	88885	89474	88885
50°	77055	49858	48885	49858
55°	56963	24668	22135	24668
60°	40370	10832	7905	10832
65°	30042	6888	4929	6888
70°	21895	5466	3654	5466
75°	16076	4024	2415	4024
80°	10765	3599	1200	3599
85°	7170	2390	2390	2390



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.2	5.7
10°-20°	924.6	17.0
20°-30°	1379.8	25.3
30°-40°	1417.6	26.0
40°-50°	918.0	16.8
50°-60°	341.4	6.3
60°-70°	112.0	2.1
70°-80°	39.5	0.7
80°-90°	7.1	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°	2616.6	48.0
0°-40°	4034.2	74.0
0°-60°	5293.6	97.1
0°-90°	5452.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5452.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3261	3261	3261	3261	3261	
5°	3140	3288	3329	3288	3140	297
15°	2961	3367	3451	3367	2961	833
25°	2650	3121	3227	3121	2650	1214
35°	2058	2361	2426	2361	2058	1278
45°	1264	1146	1154	1146	1264	977
55°	596	258	232	258	596	543
65°	232	53	38	53	232	235
75°	76	19	11	19	76	83
85°	11	4	4	4	11	15
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0
2.5°	3177.5	3223.1	3192.8	3211.6	3181.2	3181.2	3242.0	3207.9	3234.5	3207.9	3181.2
5°	3139.5	3196.5	3158.5	3177.5	3150.9	3154.8	3211.6	3185.1	3211.6	3192.8	3169.9
7.5°	3094.0	3150.9	3116.8	3135.8	3109.1	3116.8	3177.5	3150.9	3181.2	3162.4	3147.1
10°	3033.2	3094.0	3063.6	3082.6	3059.9	3063.6	3124.4	3105.4	3132.0	3120.6	3109.1
12.5°	2995.2	3052.2	3018.1	3037.0	3021.9	3029.5	3086.4	3071.2	3105.4	3094.0	3086.4
15°	2961.1	3014.2	2983.9	3002.9	2991.5	2995.2	3056.0	3040.9	3078.8	3071.2	3067.4
17.5°	2904.1	2961.1	2927.0	2949.8	2938.4	2942.1	3002.9	2991.5	3029.5	3029.5	3025.6
20°	2828.2	2885.2	2858.6	2873.8	2866.2	2873.8	2927.0	2919.4	2957.4	2957.4	2957.4
22.5°	2744.8	2801.6	2771.2	2786.5	2778.9	2790.2	2839.6	2839.6	2870.0	2873.8	2877.6
25°	2649.9	2706.8	2676.4	2695.4	2687.8	2695.4	2740.9	2744.8	2771.2	2771.2	2778.9
27.5°	2535.9	2592.9	2562.5	2577.8	2573.9	2577.8	2627.0	2634.6	2649.9	2653.6	2661.2
30°	2399.2	2452.4	2422.0	2437.2	2437.2	2437.2	2486.6	2490.4	2505.6	2509.4	2517.0
32.5°	2239.9	2285.4	2262.6	2277.8	2274.0	2281.6	2315.8	2330.9	2349.9	2346.1	2349.9
35°	2057.6	2107.0	2084.1	2095.5	2099.4	2110.8	2133.5	2152.5	2156.2	2160.1	2167.8
37.5°	1860.2	1909.5	1886.8	1898.1	1902.0	1924.8	1932.4	1951.2	1958.9	1958.9	1958.9
40°	1670.4	1693.1	1674.1	1685.5	1689.4	1708.4	1715.9	1731.1	1738.8	1734.9	1731.1
42.5°	1465.4	1484.4	1465.4	1476.8	1476.8	1492.0	1495.8	1514.8	1514.8	1507.1	1495.8
45°	1264.1	1283.1	1264.1	1271.8	1271.8	1287.0	1287.0	1287.0	1294.5	1283.1	1264.1
47.5°	1074.4	1093.4	1074.4	1082.0	1078.1	1089.5	1085.8	1089.5	1078.1	1070.5	1047.8
50°	903.5	911.1	903.5	899.8	903.5	911.1	907.4	907.4	892.1	880.8	854.1
52.5°	736.5	747.9	736.5	736.5	736.5	744.1	744.1	740.2	725.1	709.9	683.4
55°	596.0	603.6	599.9	596.0	596.0	603.6	596.0	596.0	580.9	569.5	542.9
57.5°	474.5	478.4	474.5	474.5	474.5	478.4	478.4	470.8	459.4	448.0	429.0
60°	368.2	372.0	372.0	368.2	368.2	375.9	375.9	372.0	360.6	353.0	334.1
62.5°	292.4	292.4	292.4	292.4	292.4	296.1	296.1	296.1	288.5	280.9	265.8
65°	231.6	235.4	231.6	231.6	235.4	239.1	235.4	239.1	231.6	227.8	216.4
67.5°	178.4	182.2	178.4	182.2	182.2	186.0	182.2	186.0	178.4	174.6	167.0
70°	136.6	136.6	136.6	136.6	136.6	140.5	136.6	140.5	136.6	132.9	125.2
72.5°	102.5	102.5	106.2	106.2	102.5	106.2	102.5	102.5	102.5	98.8	94.9
75°	75.9	75.9	79.8	75.9	75.9	75.9	75.9	75.9	72.1	72.1	68.4
77.5°	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	49.4	49.4	45.5
80°	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	30.4	30.4
82.5°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	19.0	19.0
85°	11.4	11.4	11.4	15.1	11.4	11.4	11.4	11.4	11.4	11.4	11.4
87.5°	3.8	3.8	3.8	7.6	3.8	3.8	7.6	7.6	3.8	3.8	3.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0
2.5°	3211.6	3223.1	3223.1	3211.6	3238.2	3215.5	3261.0	3219.2	3230.6	3268.6	3264.9
5°	3200.2	3215.5	3219.2	3211.6	3245.9	3226.9	3272.4	3230.6	3249.6	3287.6	3287.6
7.5°	3185.1	3204.1	3211.6	3219.2	3249.6	3230.6	3283.8	3242.0	3268.6	3314.1	3310.4
10°	3150.9	3177.5	3192.8	3204.1	3234.5	3223.1	3280.0	3245.9	3268.6	3321.8	3318.0
12.5°	3132.0	3162.4	3185.1	3204.1	3238.2	3230.6	3287.6	3257.2	3287.6	3340.8	3340.8
15°	3116.8	3150.9	3177.5	3211.6	3245.9	3238.2	3299.0	3272.4	3302.8	3367.4	3363.5
17.5°	3078.8	3120.6	3147.1	3185.1	3219.2	3215.5	3280.0	3261.0	3295.2	3355.9	3359.8
20°	3014.2	3052.2	3082.6	3128.1	3166.1	3158.5	3226.9	3207.9	3242.0	3306.6	3310.4
22.5°	2930.8	2968.8	2999.1	3048.4	3082.6	3078.8	3147.1	3128.1	3162.4	3223.1	3226.9
25°	2832.0	2866.2	2896.6	2942.1	2980.1	2980.1	3040.9	3021.9	3059.9	3120.6	3120.6
27.5°	2710.6	2740.9	2767.5	2820.6	2851.0	2851.0	2908.0	2889.0	2927.0	2980.1	2976.2
30°	2562.5	2589.1	2611.9	2657.4	2684.0	2687.8	2737.1	2718.1	2756.1	2801.6	2801.6
32.5°	2384.1	2410.6	2425.9	2482.8	2501.8	2498.0	2535.9	2517.0	2554.9	2604.2	2592.9
35°	2194.2	2205.6	2217.0	2274.0	2281.6	2266.4	2304.4	2285.4	2312.0	2361.2	2353.8
37.5°	1977.9	1981.6	1981.6	2031.0	2034.9	2023.4	2046.2	2023.4	2042.4	2088.0	2084.1
40°	1738.8	1734.9	1731.1	1769.1	1765.2	1742.5	1757.8	1738.8	1765.2	1799.5	1780.5
42.5°	1495.8	1484.4	1469.1	1488.1	1473.0	1454.0	1461.6	1431.2	1450.2	1476.8	1454.0
45°	1256.6	1233.8	1203.4	1207.2	1188.2	1165.5	1154.1	1123.8	1119.9	1146.5	1127.5
47.5°	1032.6	987.0	960.5	945.2	914.9	895.9	873.1	839.0	823.8	839.0	820.0
50°	831.4	785.9	751.6	717.5	687.1	664.4	626.4	603.6	580.9	584.6	569.5
52.5°	656.8	626.4	569.5	542.9	512.5	485.9	451.8	425.1	398.6	398.6	383.4
55°	520.1	478.4	440.4	402.4	372.0	349.2	315.1	288.5	262.0	258.1	243.0
57.5°	402.4	372.0	330.2	292.4	273.4	250.5	216.4	186.0	170.9	159.5	148.0
60°	311.2	280.9	246.8	216.4	193.6	178.4	144.2	121.5	106.2	98.8	87.4
62.5°	250.5	224.0	193.6	163.2	148.0	132.9	106.2	87.4	72.1	64.5	57.0
65°	201.2	178.4	155.6	132.9	121.5	106.2	87.4	72.1	60.8	53.1	45.5
67.5°	155.6	140.5	121.5	106.2	94.9	83.5	68.4	57.0	49.4	41.8	38.0
70°	117.6	106.2	94.9	79.8	72.1	64.5	53.1	41.8	38.0	34.1	30.4
72.5°	91.1	79.8	68.4	60.8	53.1	49.4	41.8	34.1	30.4	26.6	22.8
75°	60.8	57.0	49.4	41.8	38.0	34.1	30.4	26.6	22.8	19.0	19.0
77.5°	41.8	38.0	34.1	30.4	26.6	26.6	22.8	19.0	15.1	15.1	11.4
80°	26.6	22.8	22.8	19.0	19.0	19.0	15.1	11.4	11.4	11.4	7.6
82.5°	19.0	15.1	15.1	11.4	11.4	11.4	11.4	7.6	7.6	7.6	3.8
85°	11.4	7.6	7.6	7.6	7.6	7.6	7.6	3.8	3.8	3.8	3.8
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0
2.5°	3234.5	3268.6	3268.6	3299.0	3302.8	3295.2	3261.0	3261.0	3306.6	3333.1	3287.6
5°	3264.9	3299.0	3299.0	3329.4	3344.5	3333.1	3299.0	3302.8	3348.4	3378.8	3333.1
7.5°	3291.4	3325.6	3333.1	3367.4	3378.8	3367.4	3333.1	3340.8	3390.1	3416.6	3371.1
10°	3302.8	3337.0	3340.8	3378.8	3393.9	3378.8	3352.1	3355.9	3409.1	3428.1	3386.2
12.5°	3329.4	3363.5	3363.5	3405.2	3420.5	3409.1	3374.9	3382.5	3435.6	3454.6	3412.9
15°	3355.9	3390.1	3390.1	3435.6	3454.6	3439.5	3412.9	3416.6	3469.9	3488.8	3454.6
17.5°	3355.9	3386.2	3386.2	3435.6	3454.6	3443.2	3412.9	3416.6	3473.6	3488.8	3454.6
20°	3306.6	3340.8	3333.1	3382.5	3401.5	3390.1	3363.5	3363.5	3420.5	3435.6	3401.5
22.5°	3226.9	3257.2	3249.6	3295.2	3318.0	3302.8	3280.0	3276.2	3333.1	3348.4	3314.1
25°	3116.8	3147.1	3139.5	3185.1	3207.9	3188.9	3162.4	3166.1	3211.6	3234.5	3204.1
27.5°	2987.8	3006.6	2995.2	3040.9	3063.6	3044.6	3018.1	3021.9	3067.4	3082.6	3059.9
30°	2813.1	2828.2	2816.9	2854.9	2870.0	2858.6	2835.9	2835.9	2877.6	2896.6	2873.8
32.5°	2604.2	2615.6	2604.2	2634.6	2665.0	2642.2	2619.5	2619.5	2665.0	2680.2	2653.6
35°	2361.2	2372.8	2365.1	2395.5	2418.2	2387.9	2368.9	2361.2	2422.0	2414.5	2399.2
37.5°	2091.8	2099.4	2076.6	2129.8	2141.1	2107.0	2091.8	2084.1	2137.4	2133.5	2118.4
40°	1788.0	1795.6	1780.5	1818.4	1822.2	1795.6	1784.2	1772.9	1826.0	1822.2	1810.9
42.5°	1465.4	1469.1	1450.2	1480.5	1488.1	1461.6	1457.8	1442.6	1492.0	1484.4	1480.5
45°	1131.2	1131.2	1116.1	1138.9	1146.5	1123.8	1116.1	1112.4	1146.5	1146.5	1138.9
47.5°	820.0	808.6	789.6	823.8	827.6	812.4	808.6	797.2	831.4	831.4	823.8
50°	561.9	558.0	554.2	561.9	565.6	546.6	558.0	546.6	565.6	565.6	565.6
52.5°	375.9	372.0	364.5	372.0	372.0	360.6	360.6	356.9	372.0	372.0	364.5
55°	235.4	231.6	227.8	231.6	231.6	220.1	227.8	220.1	227.8	227.8	224.0
57.5°	144.2	136.6	136.6	132.9	132.9	125.2	129.1	129.1	129.1	129.1	129.1
60°	83.5	79.8	75.9	75.9	75.9	72.1	72.1	72.1	72.1	72.1	72.1
62.5°	53.1	53.1	49.4	49.4	49.4	49.4	49.4	45.5	49.4	49.4	49.4
65°	45.5	41.8	41.8	41.8	41.8	38.0	38.0	38.0	38.0	38.0	38.0
67.5°	38.0	34.1	34.1	34.1	34.1	30.4	30.4	30.4	30.4	30.4	30.4
70°	30.4	26.6	26.6	26.6	26.6	26.6	22.8	26.6	26.6	22.8	22.8
72.5°	22.8	22.8	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
75°	15.1	15.1	15.1	15.1	15.1	11.4	11.4	11.4	11.4	11.4	11.4
77.5°	11.4	11.4	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
80°	7.6	7.6	7.6	7.6	7.6	3.8	3.8	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
85°	3.8	3.8	3.8	3.8	3.8	0.0	3.8	0.0	3.8	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: P212842

CATALOG NUMBER: LE_6B50D010R EC6B30509030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0
2.5°	3340.8	3302.8	3283.8	3321.8	3337.0	3318.0	3302.8	3276.2	3302.8	3318.0	3337.0
5°	3386.2	3352.1	3337.0	3363.5	3386.2	3367.4	3355.9	3329.4	3355.9	3367.4	3386.2
7.5°	3428.1	3393.9	3374.9	3401.5	3428.1	3401.5	3390.1	3367.4	3390.1	3401.5	3428.1
10°	3443.2	3405.2	3390.1	3412.9	3439.5	3412.9	3397.8	3382.5	3397.8	3412.9	3439.5
12.5°	3469.9	3431.9	3412.9	3431.9	3458.4	3431.9	3416.6	3405.2	3416.6	3431.9	3458.4
15°	3507.8	3473.6	3450.9	3469.9	3504.0	3473.6	3454.6	3450.9	3454.6	3473.6	3504.0
17.5°	3507.8	3481.2	3458.4	3473.6	3507.8	3485.0	3458.4	3466.0	3458.4	3485.0	3507.8
20°	3458.4	3431.9	3412.9	3412.9	3462.2	3431.9	3409.1	3420.5	3409.1	3431.9	3462.2
22.5°	3371.1	3348.4	3329.4	3325.6	3374.9	3348.4	3318.0	3340.8	3318.0	3348.4	3374.9
25°	3257.2	3234.5	3219.2	3211.6	3261.0	3230.6	3204.1	3226.9	3204.1	3230.6	3261.0
27.5°	3109.1	3090.2	3075.0	3063.6	3109.1	3082.6	3056.0	3078.8	3056.0	3082.6	3109.1
30°	2919.4	2908.0	2892.8	2877.6	2923.1	2896.6	2870.0	2900.4	2870.0	2896.6	2923.1
32.5°	2699.1	2691.6	2672.6	2657.4	2703.0	2672.6	2653.6	2676.4	2653.6	2672.6	2703.0
35°	2444.9	2433.4	2422.0	2395.5	2444.9	2418.2	2418.2	2425.9	2418.2	2418.2	2444.9
37.5°	2160.1	2152.5	2137.4	2114.5	2156.2	2137.4	2129.8	2152.5	2129.8	2137.4	2156.2
40°	1841.2	1837.4	1826.0	1799.5	1845.0	1826.0	1814.6	1845.0	1814.6	1826.0	1845.0
42.5°	1507.1	1499.5	1488.1	1484.4	1507.1	1492.0	1503.4	1503.4	1503.4	1492.0	1507.1
45°	1161.6	1154.1	1146.5	1131.2	1157.9	1150.2	1146.5	1154.1	1146.5	1150.2	1157.9
47.5°	842.8	835.2	827.6	816.2	842.8	831.4	831.4	839.0	831.4	831.4	842.8
50°	565.6	569.5	565.6	558.0	565.6	561.9	565.6	573.2	565.6	561.9	565.6
52.5°	375.9	375.9	368.2	364.5	372.0	368.2	379.6	372.0	379.6	368.2	372.0
55°	227.8	231.6	227.8	224.0	227.8	224.0	235.4	231.6	235.4	224.0	227.8
57.5°	129.1	129.1	132.9	129.1	136.6	132.9	132.9	132.9	132.9	132.9	136.6
60°	72.1	72.1	72.1	72.1	72.1	72.1	75.9	72.1	75.9	72.1	72.1
62.5°	49.4	49.4	49.4	45.5	49.4	45.5	49.4	49.4	49.4	45.5	49.4
65°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
67.5°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4
70°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8
72.5°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
75°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
77.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	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: P212842

CATALOG NUMBER: LE_6B50D010R EC6B30509030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0
2.5°	3321.8	3283.8	3302.8	3340.8	3287.6	3333.1	3306.6	3261.0	3261.0	3295.2	3302.8
5°	3363.5	3337.0	3352.1	3386.2	3333.1	3378.8	3348.4	3302.8	3299.0	3333.1	3344.5
7.5°	3401.5	3374.9	3393.9	3428.1	3371.1	3416.6	3390.1	3340.8	3333.1	3367.4	3378.8
10°	3412.9	3390.1	3405.2	3443.2	3386.2	3428.1	3409.1	3355.9	3352.1	3378.8	3393.9
12.5°	3431.9	3412.9	3431.9	3469.9	3412.9	3454.6	3435.6	3382.5	3374.9	3409.1	3420.5
15°	3469.9	3450.9	3473.6	3507.8	3454.6	3488.8	3469.9	3416.6	3412.9	3439.5	3454.6
17.5°	3473.6	3458.4	3481.2	3507.8	3454.6	3488.8	3473.6	3416.6	3412.9	3443.2	3454.6
20°	3412.9	3412.9	3431.9	3458.4	3401.5	3435.6	3420.5	3363.5	3363.5	3390.1	3401.5
22.5°	3325.6	3329.4	3348.4	3371.1	3314.1	3348.4	3333.1	3276.2	3280.0	3302.8	3318.0
25°	3211.6	3219.2	3234.5	3257.2	3204.1	3234.5	3211.6	3166.1	3162.4	3188.9	3207.9
27.5°	3063.6	3075.0	3090.2	3109.1	3059.9	3082.6	3067.4	3021.9	3018.1	3044.6	3063.6
30°	2877.6	2892.8	2908.0	2919.4	2873.8	2896.6	2877.6	2835.9	2835.9	2858.6	2870.0
32.5°	2657.4	2672.6	2691.6	2699.1	2653.6	2680.2	2665.0	2619.5	2619.5	2642.2	2665.0
35°	2395.5	2422.0	2433.4	2444.9	2399.2	2414.5	2422.0	2361.2	2368.9	2387.9	2418.2
37.5°	2114.5	2137.4	2152.5	2160.1	2118.4	2133.5	2137.4	2084.1	2091.8	2107.0	2141.1
40°	1799.5	1826.0	1837.4	1841.2	1810.9	1822.2	1826.0	1772.9	1784.2	1795.6	1822.2
42.5°	1484.4	1488.1	1499.5	1507.1	1480.5	1484.4	1492.0	1442.6	1457.8	1461.6	1488.1
45°	1131.2	1146.5	1154.1	1161.6	1138.9	1146.5	1146.5	1112.4	1116.1	1123.8	1146.5
47.5°	816.2	827.6	835.2	842.8	823.8	831.4	831.4	797.2	808.6	812.4	827.6
50°	558.0	565.6	569.5	565.6	565.6	565.6	565.6	546.6	558.0	546.6	565.6
52.5°	364.5	368.2	375.9	375.9	364.5	372.0	372.0	356.9	360.6	360.6	372.0
55°	224.0	227.8	231.6	227.8	224.0	227.8	227.8	220.1	227.8	220.1	231.6
57.5°	129.1	132.9	129.1	129.1	129.1	129.1	129.1	129.1	129.1	125.2	132.9
60°	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	75.9
62.5°	45.5	49.4	49.4	49.4	49.4	49.4	49.4	45.5	49.4	49.4	49.4
65°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	41.8
67.5°	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	30.4	34.1
70°	22.8	22.8	22.8	22.8	22.8	22.8	26.6	26.6	22.8	26.6	26.6
72.5°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0
75°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	15.1
77.5°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.6
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	3.8	0.0	3.8
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: P212842

CATALOG NUMBER: LE_6B50D010R EC6B30509030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0
2.5°	3299.0	3268.6	3268.6	3234.5	3264.9	3268.6	3230.6	3219.2	3261.0	3215.5	3238.2
5°	3329.4	3299.0	3299.0	3264.9	3287.6	3287.6	3249.6	3230.6	3272.4	3226.9	3245.9
7.5°	3367.4	3333.1	3325.6	3291.4	3310.4	3314.1	3268.6	3242.0	3283.8	3230.6	3249.6
10°	3378.8	3340.8	3337.0	3302.8	3318.0	3321.8	3268.6	3245.9	3280.0	3223.1	3234.5
12.5°	3405.2	3363.5	3363.5	3329.4	3340.8	3340.8	3287.6	3257.2	3287.6	3230.6	3238.2
15°	3435.6	3390.1	3390.1	3355.9	3363.5	3367.4	3302.8	3272.4	3299.0	3238.2	3245.9
17.5°	3435.6	3386.2	3386.2	3355.9	3359.8	3355.9	3295.2	3261.0	3280.0	3215.5	3219.2
20°	3382.5	3333.1	3340.8	3306.6	3310.4	3306.6	3242.0	3207.9	3226.9	3158.5	3166.1
22.5°	3295.2	3249.6	3257.2	3226.9	3226.9	3223.1	3162.4	3128.1	3147.1	3078.8	3082.6
25°	3185.1	3139.5	3147.1	3116.8	3120.6	3120.6	3059.9	3021.9	3040.9	2980.1	2980.1
27.5°	3040.9	2995.2	3006.6	2987.8	2976.2	2980.1	2927.0	2889.0	2908.0	2851.0	2851.0
30°	2854.9	2816.9	2828.2	2813.1	2801.6	2801.6	2756.1	2718.1	2737.1	2687.8	2684.0
32.5°	2634.6	2604.2	2615.6	2604.2	2592.9	2604.2	2554.9	2517.0	2535.9	2498.0	2501.8
35°	2395.5	2365.1	2372.8	2361.2	2353.8	2361.2	2312.0	2285.4	2304.4	2266.4	2281.6
37.5°	2129.8	2076.6	2099.4	2091.8	2084.1	2088.0	2042.4	2023.4	2046.2	2023.4	2034.9
40°	1818.4	1780.5	1795.6	1788.0	1780.5	1799.5	1765.2	1738.8	1757.8	1742.5	1765.2
42.5°	1480.5	1450.2	1469.1	1465.4	1454.0	1476.8	1450.2	1431.2	1461.6	1454.0	1473.0
45°	1138.9	1116.1	1131.2	1131.2	1127.5	1146.5	1119.9	1123.8	1154.1	1165.5	1188.2
47.5°	823.8	789.6	808.6	820.0	820.0	839.0	823.8	839.0	873.1	895.9	914.9
50°	561.9	554.2	558.0	561.9	569.5	584.6	580.9	603.6	626.4	664.4	687.1
52.5°	372.0	364.5	372.0	375.9	383.4	398.6	398.6	425.1	451.8	485.9	512.5
55°	231.6	227.8	231.6	235.4	243.0	258.1	262.0	288.5	315.1	349.2	372.0
57.5°	132.9	136.6	136.6	144.2	148.0	159.5	170.9	186.0	216.4	250.5	273.4
60°	75.9	75.9	79.8	83.5	87.4	98.8	106.2	121.5	144.2	178.4	193.6
62.5°	49.4	49.4	53.1	53.1	57.0	64.5	72.1	87.4	106.2	132.9	148.0
65°	41.8	41.8	41.8	45.5	45.5	53.1	60.8	72.1	87.4	106.2	121.5
67.5°	34.1	34.1	34.1	38.0	38.0	41.8	49.4	57.0	68.4	83.5	94.9
70°	26.6	26.6	26.6	30.4	30.4	34.1	38.0	41.8	53.1	64.5	72.1
72.5°	19.0	19.0	22.8	22.8	22.8	26.6	30.4	34.1	41.8	49.4	53.1
75°	15.1	15.1	15.1	15.1	19.0	19.0	22.8	26.6	30.4	34.1	38.0
77.5°	7.6	7.6	11.4	11.4	11.4	15.1	15.1	19.0	22.8	26.6	26.6
80°	7.6	7.6	7.6	7.6	7.6	11.4	11.4	11.4	15.1	19.0	19.0
82.5°	3.8	3.8	3.8	3.8	3.8	7.6	7.6	7.6	11.4	11.4	11.4
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.6	7.6	7.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8
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: P212842

CATALOG NUMBER: LE_6B50D010R EC6B30509030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0	3261.0
2.5°	3211.6	3223.1	3223.1	3211.6	3181.2	3207.9	3234.5	3207.9	3242.0	3181.2	3181.2
5°	3211.6	3219.2	3215.5	3200.2	3169.9	3192.8	3211.6	3185.1	3211.6	3154.8	3150.9
7.5°	3219.2	3211.6	3204.1	3185.1	3147.1	3162.4	3181.2	3150.9	3177.5	3116.8	3109.1
10°	3204.1	3192.8	3177.5	3150.9	3109.1	3120.6	3132.0	3105.4	3124.4	3063.6	3059.9
12.5°	3204.1	3185.1	3162.4	3132.0	3086.4	3094.0	3105.4	3071.2	3086.4	3029.5	3021.9
15°	3211.6	3177.5	3150.9	3116.8	3067.4	3071.2	3078.8	3040.9	3056.0	2995.2	2991.5
17.5°	3185.1	3147.1	3120.6	3078.8	3025.6	3029.5	3029.5	2991.5	3002.9	2942.1	2938.4
20°	3128.1	3082.6	3052.2	3014.2	2957.4	2957.4	2957.4	2919.4	2927.0	2873.8	2866.2
22.5°	3048.4	2999.1	2968.8	2930.8	2877.6	2873.8	2870.0	2839.6	2839.6	2790.2	2778.9
25°	2942.1	2896.6	2866.2	2832.0	2778.9	2771.2	2771.2	2744.8	2740.9	2695.4	2687.8
27.5°	2820.6	2767.5	2740.9	2710.6	2661.2	2653.6	2649.9	2634.6	2627.0	2577.8	2573.9
30°	2657.4	2611.9	2589.1	2562.5	2517.0	2509.4	2505.6	2490.4	2486.6	2437.2	2437.2
32.5°	2482.8	2425.9	2410.6	2384.1	2349.9	2346.1	2349.9	2330.9	2315.8	2281.6	2274.0
35°	2274.0	2217.0	2205.6	2194.2	2167.8	2160.1	2156.2	2152.5	2133.5	2110.8	2099.4
37.5°	2031.0	1981.6	1981.6	1977.9	1958.9	1958.9	1958.9	1951.2	1932.4	1924.8	1902.0
40°	1769.1	1731.1	1734.9	1738.8	1731.1	1734.9	1738.8	1731.1	1715.9	1708.4	1689.4
42.5°	1488.1	1469.1	1484.4	1495.8	1495.8	1507.1	1514.8	1514.8	1495.8	1492.0	1476.8
45°	1207.2	1203.4	1233.8	1256.6	1264.1	1283.1	1294.5	1287.0	1287.0	1287.0	1271.8
47.5°	945.2	960.5	987.0	1032.6	1047.8	1070.5	1078.1	1089.5	1085.8	1089.5	1078.1
50°	717.5	751.6	785.9	831.4	854.1	880.8	892.1	907.4	907.4	911.1	903.5
52.5°	542.9	569.5	626.4	656.8	683.4	709.9	725.1	740.2	744.1	744.1	736.5
55°	402.4	440.4	478.4	520.1	542.9	569.5	580.9	596.0	596.0	603.6	596.0
57.5°	292.4	330.2	372.0	402.4	429.0	448.0	459.4	470.8	478.4	478.4	474.5
60°	216.4	246.8	280.9	311.2	334.1	353.0	360.6	372.0	375.9	375.9	368.2
62.5°	163.2	193.6	224.0	250.5	265.8	280.9	288.5	296.1	296.1	296.1	292.4
65°	132.9	155.6	178.4	201.2	216.4	227.8	231.6	239.1	235.4	239.1	235.4
67.5°	106.2	121.5	140.5	155.6	167.0	174.6	178.4	186.0	182.2	186.0	182.2
70°	79.8	94.9	106.2	117.6	125.2	132.9	136.6	140.5	136.6	140.5	136.6
72.5°	60.8	68.4	79.8	91.1	94.9	98.8	102.5	102.5	102.5	106.2	102.5
75°	41.8	49.4	57.0	60.8	68.4	72.1	72.1	75.9	75.9	75.9	75.9
77.5°	30.4	34.1	38.0	41.8	45.5	49.4	49.4	53.1	53.1	53.1	53.1
80°	19.0	22.8	22.8	26.6	30.4	30.4	34.1	34.1	34.1	34.1	34.1
82.5°	11.4	15.1	15.1	19.0	19.0	19.0	22.8	22.8	22.8	22.8	22.8
85°	7.6	7.6	7.6	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.6	7.6	3.8	3.8
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: P212842

CATALOG NUMBER: LE_6B50D010R EC6B30509030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3261.0	3261.0	3261.0	3261.0
2.5°	3211.6	3192.8	3223.1	3177.5
5°	3177.5	3158.5	3196.5	3139.5
7.5°	3135.8	3116.8	3150.9	3094.0
10°	3082.6	3063.6	3094.0	3033.2
12.5°	3037.0	3018.1	3052.2	2995.2
15°	3002.9	2983.9	3014.2	2961.1
17.5°	2949.8	2927.0	2961.1	2904.1
20°	2873.8	2858.6	2885.2	2828.2
22.5°	2786.5	2771.2	2801.6	2744.8
25°	2695.4	2676.4	2706.8	2649.9
27.5°	2577.8	2562.5	2592.9	2535.9
30°	2437.2	2422.0	2452.4	2399.2
32.5°	2277.8	2262.6	2285.4	2239.9
35°	2095.5	2084.1	2107.0	2057.6
37.5°	1898.1	1886.8	1909.5	1860.2
40°	1685.5	1674.1	1693.1	1670.4
42.5°	1476.8	1465.4	1484.4	1465.4
45°	1271.8	1264.1	1283.1	1264.1
47.5°	1082.0	1074.4	1093.4	1074.4
50°	899.8	903.5	911.1	903.5
52.5°	736.5	736.5	747.9	736.5
55°	596.0	599.9	603.6	596.0
57.5°	474.5	474.5	478.4	474.5
60°	368.2	372.0	372.0	368.2
62.5°	292.4	292.4	292.4	292.4
65°	231.6	231.6	235.4	231.6
67.5°	182.2	178.4	182.2	178.4
70°	136.6	136.6	136.6	136.6
72.5°	106.2	106.2	102.5	102.5
75°	75.9	79.8	75.9	75.9
77.5°	53.1	53.1	53.1	53.1
80°	34.1	34.1	34.1	34.1
82.5°	22.8	22.8	22.8	22.8
85°	15.1	11.4	11.4	11.4
87.5°	7.6	3.8	3.8	3.8
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)