

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: P212860

Luminaire Tested: **LE\_6B60D010R EC6B60709730 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212860  
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\_6B60D010R EC6B60709730 6LBSWLI1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 97CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5324.8 lumens  
Efficiency: N/A  
Efficacy: 85.2 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

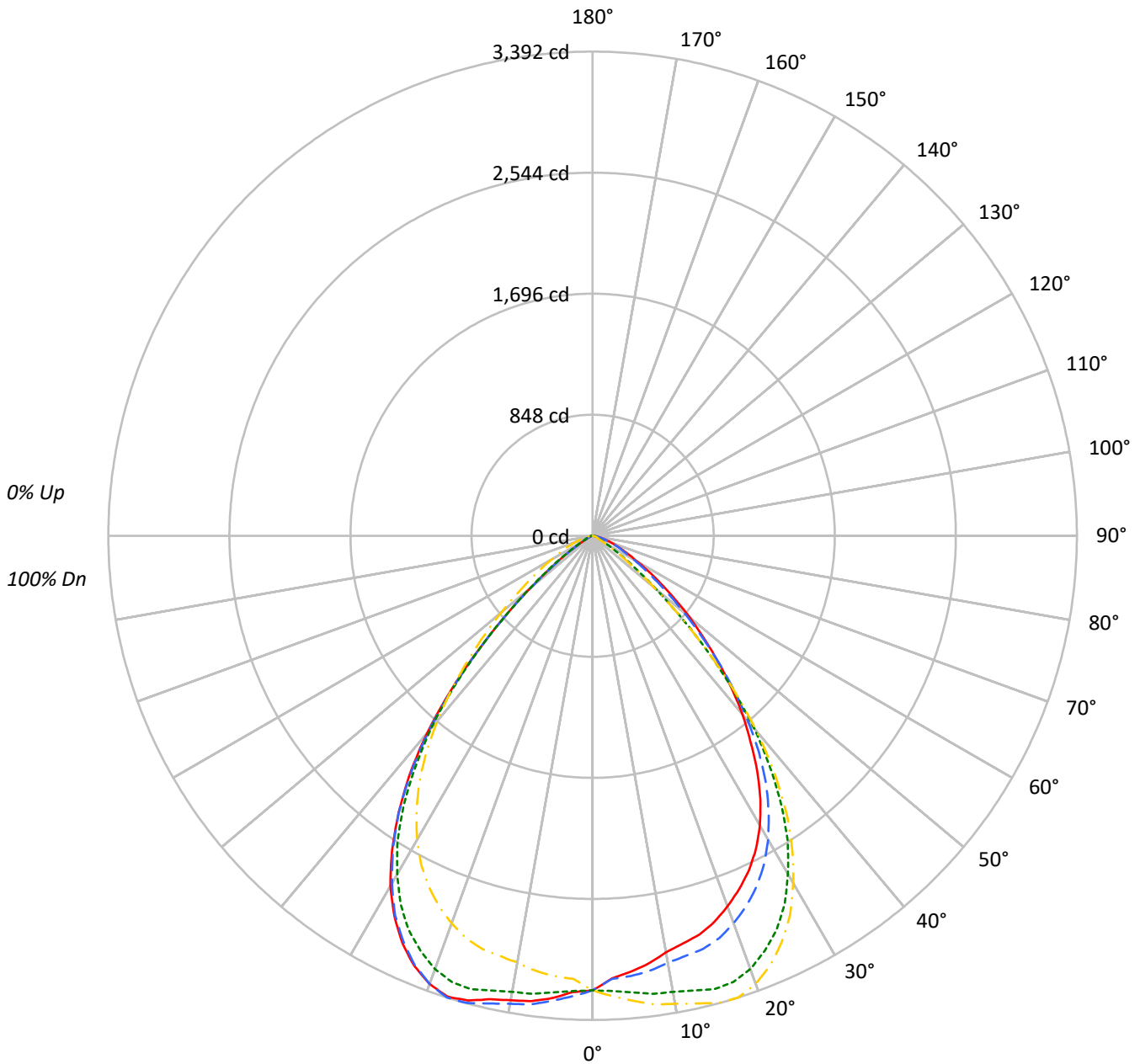
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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			100
1	112	109	106	103	110	107	104	102	103	100	98	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	70	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°	174597	174597	174597	174597
5°	168726	176689	178934	176689
10°	164905	180586	183892	180586
15°	164127	186641	191272	186641
20°	161137	188398	194879	188398
25°	156535	184341	190626	184341
30°	148327	173204	179306	173204
35°	134482	154331	158547	154331
40°	116747	125764	128949	125764
45°	95715	86815	87381	86815
50°	75256	48698	47751	48698
55°	55635	24095	21610	24095
60°	39427	10569	7730	10569
65°	29329	6732	4812	6732
70°	21398	5353	3558	5353
75°	15695	3918	2351	3918
80°	10544	3504	1200	3504
85°	6982	2390	2390	2390



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	304.9	5.7
10°-20°	903.0	17.0
20°-30°	1347.6	25.3
30°-40°	1384.5	26.0
40°-50°	896.6	16.8
50°-60°	333.4	6.3
60°-70°	109.4	2.1
70°-80°	38.6	0.7
80°-90°	7.0	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°	2555.4	48.0
0°-40°	3939.9	74.0
0°-60°	5169.9	97.1
0°-90°	5324.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5324.8	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3185	3185	3185	3185	3185	
5°	3066	3211	3252	3211	3066	290
15°	2892	3289	3370	3289	2892	813
25°	2588	3048	3152	3048	2588	1186
35°	2010	2306	2369	2306	2010	1248
45°	1235	1120	1127	1120	1235	955
55°	582	252	226	252	582	531
65°	226	52	37	52	226	230
75°	74	18	11	18	74	81
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°	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9
2.5°	3103.2	3147.8	3118.1	3136.6	3107.0	3107.0	3166.2	3132.9	3158.9	3132.9	3107.0
5°	3066.1	3121.8	3084.8	3103.2	3077.2	3081.0	3136.6	3110.6	3136.6	3118.1	3095.9
7.5°	3021.8	3077.2	3044.0	3062.5	3036.5	3044.0	3103.2	3077.2	3107.0	3088.4	3073.6
10°	2962.4	3021.8	2992.0	3010.6	2988.4	2992.0	3051.4	3032.9	3058.8	3047.6	3036.5
12.5°	2925.2	2980.9	2947.5	2966.1	2951.2	2958.6	3014.2	2999.5	3032.9	3021.8	3014.2
15°	2891.9	2943.9	2914.1	2932.8	2921.6	2925.2	2984.6	2969.8	3006.9	2999.5	2995.8
17.5°	2836.4	2891.9	2858.5	2880.8	2869.6	2873.4	2932.8	2921.6	2958.6	2958.6	2955.0
20°	2762.1	2817.8	2791.9	2806.6	2799.2	2806.6	2858.5	2851.1	2888.2	2888.2	2888.2
22.5°	2680.6	2736.2	2706.5	2721.4	2714.0	2725.1	2773.2	2773.2	2803.0	2806.6	2810.4
25°	2587.9	2643.5	2613.9	2632.4	2625.0	2632.4	2676.9	2680.6	2706.5	2706.5	2714.0
27.5°	2476.6	2532.2	2502.6	2517.5	2513.8	2517.5	2565.6	2573.1	2587.9	2591.6	2599.0
30°	2343.2	2395.1	2365.5	2380.2	2380.2	2380.2	2428.5	2432.1	2447.0	2450.8	2458.1
32.5°	2187.5	2232.0	2209.8	2224.5	2220.9	2228.2	2261.6	2276.5	2295.0	2291.2	2295.0
35°	2009.5	2057.8	2035.5	2046.6	2050.2	2061.4	2083.6	2102.2	2105.9	2109.6	2117.0
37.5°	1816.8	1864.9	1842.6	1853.8	1857.5	1879.8	1887.1	1905.8	1913.1	1913.1	1913.1
40°	1631.4	1653.6	1635.0	1646.1	1649.9	1668.4	1675.9	1690.6	1698.1	1694.4	1690.6
42.5°	1431.1	1449.6	1431.1	1442.2	1442.2	1457.1	1460.8	1479.4	1479.4	1471.9	1460.8
45°	1234.6	1253.1	1234.6	1242.0	1242.0	1256.9	1256.9	1256.9	1264.2	1253.1	1234.6
47.5°	1049.2	1067.8	1049.2	1056.6	1053.0	1064.1	1060.4	1064.1	1053.0	1045.5	1023.2
50°	882.4	889.9	882.4	878.8	882.4	889.9	886.1	886.1	871.2	860.1	834.2
52.5°	719.2	730.4	719.2	719.2	719.2	726.8	726.8	723.0	708.1	693.4	667.4
55°	582.1	589.5	585.8	582.1	582.1	589.5	582.1	582.1	567.2	556.1	530.1
57.5°	463.5	467.1	463.5	463.5	463.5	467.1	467.1	459.8	448.6	437.5	419.0
60°	359.6	363.4	363.4	359.6	359.6	367.0	367.0	363.4	352.2	344.8	326.2
62.5°	285.5	285.5	285.5	285.5	285.5	289.2	289.2	289.2	281.8	274.4	259.5
65°	226.1	229.9	226.1	226.1	229.9	233.6	229.9	233.6	226.1	222.5	211.4
67.5°	174.2	178.0	174.2	178.0	178.0	181.6	178.0	181.6	174.2	170.5	163.1
70°	133.5	133.5	133.5	133.5	133.5	137.1	133.5	137.1	133.5	129.8	122.4
72.5°	100.1	100.1	103.9	103.9	100.1	103.9	100.1	100.1	100.1	96.4	92.8
75°	74.1	74.1	77.9	74.1	74.1	74.1	74.1	74.1	70.5	70.5	66.8
77.5°	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	48.2	48.2	44.5
80°	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	29.6	29.6
82.5°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	18.5	18.5
85°	11.1	11.1	11.1	14.9	11.1	11.1	11.1	11.1	11.1	11.1	11.1
87.5°	3.8	3.8	3.8	7.4	3.8	3.8	7.4	7.4	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°	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9
2.5°	3136.6	3147.8	3147.8	3136.6	3162.6	3140.4	3184.9	3144.0	3155.1	3192.2	3188.5
5°	3125.5	3140.4	3144.0	3136.6	3170.0	3151.5	3196.0	3155.1	3173.8	3210.8	3210.8
7.5°	3110.6	3129.2	3136.6	3144.0	3173.8	3155.1	3207.1	3166.2	3192.2	3236.8	3233.0
10°	3077.2	3103.2	3118.1	3129.2	3158.9	3147.8	3203.4	3170.0	3192.2	3244.1	3240.5
12.5°	3058.8	3088.4	3110.6	3129.2	3162.6	3155.1	3210.8	3181.1	3210.8	3262.8	3262.8
15°	3044.0	3077.2	3103.2	3136.6	3170.0	3162.6	3221.9	3196.0	3225.6	3288.6	3284.9
17.5°	3006.9	3047.6	3073.6	3110.6	3144.0	3140.4	3203.4	3184.9	3218.2	3277.5	3281.2
20°	2943.9	2980.9	3010.6	3055.1	3092.1	3084.8	3151.5	3132.9	3166.2	3229.4	3233.0
22.5°	2862.2	2899.4	2929.0	2977.2	3010.6	3006.9	3073.6	3055.1	3088.4	3147.8	3151.5
25°	2765.9	2799.2	2828.9	2873.4	2910.5	2910.5	2969.8	2951.2	2988.4	3047.6	3047.6
27.5°	2647.2	2676.9	2702.9	2754.8	2784.4	2784.4	2840.0	2821.5	2858.5	2910.5	2906.8
30°	2502.6	2528.6	2550.9	2595.4	2621.2	2625.0	2673.1	2654.6	2691.8	2736.2	2736.2
32.5°	2328.4	2354.4	2369.1	2424.8	2443.2	2439.6	2476.6	2458.1	2495.2	2543.4	2532.2
35°	2143.0	2154.1	2165.2	2220.9	2228.2	2213.5	2250.5	2232.0	2257.9	2306.1	2298.8
37.5°	1931.6	1935.4	1935.4	1983.6	1987.2	1976.1	1998.4	1976.1	1994.8	2039.1	2035.5
40°	1698.1	1694.4	1690.6	1727.8	1724.0	1701.8	1716.6	1698.1	1724.0	1757.4	1738.9
42.5°	1460.8	1449.6	1434.9	1453.4	1438.5	1420.0	1427.4	1397.8	1416.2	1442.2	1420.0
45°	1227.2	1205.0	1175.2	1179.0	1160.5	1138.2	1127.1	1097.5	1093.8	1119.8	1101.1
47.5°	1008.5	964.0	938.0	923.2	893.5	875.0	852.8	819.4	804.5	819.4	800.9
50°	812.0	767.5	734.1	700.8	671.1	648.9	611.8	589.5	567.2	571.0	556.1
52.5°	641.4	611.8	556.1	530.1	500.5	474.6	441.2	415.2	389.2	389.2	374.5
55°	508.0	467.1	430.1	393.0	363.4	341.1	307.8	281.8	255.9	252.1	237.2
57.5°	393.0	363.4	322.5	285.5	267.0	244.8	211.4	181.6	166.9	155.8	144.6
60°	304.0	274.4	241.0	211.4	189.1	174.2	140.9	118.6	103.9	96.4	85.2
62.5°	244.8	218.8	189.1	159.4	144.6	129.8	103.9	85.2	70.5	63.0	55.6
65°	196.5	174.2	152.0	129.8	118.6	103.9	85.2	70.5	59.4	51.9	44.5
67.5°	152.0	137.1	118.6	103.9	92.8	81.6	66.8	55.6	48.2	40.8	37.1
70°	114.9	103.9	92.8	77.9	70.5	63.0	51.9	40.8	37.1	33.4	29.6
72.5°	89.0	77.9	66.8	59.4	51.9	48.2	40.8	33.4	29.6	26.0	22.2
75°	59.4	55.6	48.2	40.8	37.1	33.4	29.6	26.0	22.2	18.5	18.5
77.5°	40.8	37.1	33.4	29.6	26.0	26.0	22.2	18.5	14.9	14.9	11.1
80°	26.0	22.2	22.2	18.5	18.5	18.5	14.9	11.1	11.1	11.1	7.4
82.5°	18.5	14.9	14.9	11.1	11.1	11.1	11.1	7.4	7.4	7.4	3.8
85°	11.1	7.4	7.4	7.4	7.4	7.4	7.4	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°	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9
2.5°	3158.9	3192.2	3192.2	3221.9	3225.6	3218.2	3184.9	3184.9	3229.4	3255.2	3210.8
5°	3188.5	3221.9	3221.9	3251.6	3266.4	3255.2	3221.9	3225.6	3270.1	3299.8	3255.2
7.5°	3214.5	3247.9	3255.2	3288.6	3299.8	3288.6	3255.2	3262.8	3310.9	3336.9	3292.4
10°	3225.6	3259.0	3262.8	3299.8	3314.6	3299.8	3273.8	3277.5	3329.4	3348.0	3307.1
12.5°	3251.6	3284.9	3284.9	3325.8	3340.5	3329.4	3296.0	3303.5	3355.4	3373.9	3333.1
15°	3277.5	3310.9	3310.9	3355.4	3373.9	3359.1	3333.1	3336.9	3388.8	3407.2	3373.9
17.5°	3277.5	3307.1	3307.1	3355.4	3373.9	3362.8	3333.1	3336.9	3392.5	3407.2	3373.9
20°	3229.4	3262.8	3255.2	3303.5	3322.0	3310.9	3284.9	3284.9	3340.5	3355.4	3322.0
22.5°	3151.5	3181.1	3173.8	3218.2	3240.5	3225.6	3203.4	3199.6	3255.2	3270.1	3236.8
25°	3044.0	3073.6	3066.1	3110.6	3132.9	3114.4	3088.4	3092.1	3136.6	3158.9	3129.2
27.5°	2917.9	2936.4	2925.2	2969.8	2992.0	2973.5	2947.5	2951.2	2995.8	3010.6	2988.4
30°	2747.4	2762.1	2751.0	2788.1	2803.0	2791.9	2769.6	2769.6	2810.4	2828.9	2806.6
32.5°	2543.4	2554.5	2543.4	2573.1	2602.8	2580.5	2558.2	2558.2	2602.8	2617.6	2591.6
35°	2306.1	2317.2	2309.9	2339.5	2361.8	2332.1	2313.5	2306.1	2365.5	2358.0	2343.2
37.5°	2042.9	2050.2	2028.0	2080.0	2091.1	2057.8	2042.9	2035.5	2087.4	2083.6	2068.9
40°	1746.2	1753.8	1738.9	1776.0	1779.6	1753.8	1742.6	1731.5	1783.4	1779.6	1768.5
42.5°	1431.1	1434.9	1416.2	1446.0	1453.4	1427.4	1423.8	1408.9	1457.1	1449.6	1446.0
45°	1104.9	1104.9	1090.0	1112.2	1119.8	1097.5	1090.0	1086.4	1119.8	1119.8	1112.2
47.5°	800.9	789.8	771.1	804.5	808.2	793.4	789.8	778.6	812.0	812.0	804.5
50°	548.8	545.0	541.2	548.8	552.4	533.9	545.0	533.9	552.4	552.4	552.4
52.5°	367.0	363.4	355.9	363.4	363.4	352.2	352.2	348.5	363.4	363.4	355.9
55°	229.9	226.1	222.5	226.1	226.1	215.0	222.5	215.0	222.5	222.5	218.8
57.5°	140.9	133.5	133.5	129.8	129.8	122.4	126.0	126.0	126.0	126.0	126.0
60°	81.6	77.9	74.1	74.1	74.1	70.5	70.5	70.5	70.5	70.5	70.5
62.5°	51.9	51.9	48.2	48.2	48.2	48.2	48.2	44.5	48.2	48.2	48.2
65°	44.5	40.8	40.8	40.8	40.8	37.1	37.1	37.1	37.1	37.1	37.1
67.5°	37.1	33.4	33.4	33.4	33.4	29.6	29.6	29.6	29.6	29.6	29.6
70°	29.6	26.0	26.0	26.0	26.0	26.0	22.2	26.0	26.0	22.2	22.2
72.5°	22.2	22.2	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
75°	14.9	14.9	14.9	14.9	14.9	11.1	11.1	11.1	11.1	11.1	11.1
77.5°	11.1	11.1	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
80°	7.4	7.4	7.4	7.4	7.4	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: P212860

CATALOG NUMBER: LE\_6B60D010R EC6B60709730 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9
2.5°	3262.8	3225.6	3207.1	3244.1	3259.0	3240.5	3225.6	3199.6	3225.6	3240.5	3259.0
5°	3307.1	3273.8	3259.0	3284.9	3307.1	3288.6	3277.5	3251.6	3277.5	3288.6	3307.1
7.5°	3348.0	3314.6	3296.0	3322.0	3348.0	3322.0	3310.9	3288.6	3310.9	3322.0	3348.0
10°	3362.8	3325.8	3310.9	3333.1	3359.1	3333.1	3318.2	3303.5	3318.2	3333.1	3359.1
12.5°	3388.8	3351.6	3333.1	3351.6	3377.6	3351.6	3336.9	3325.8	3336.9	3351.6	3377.6
15°	3425.9	3392.5	3370.2	3388.8	3422.1	3392.5	3373.9	3370.2	3373.9	3392.5	3422.1
17.5°	3425.9	3399.9	3377.6	3392.5	3425.9	3403.6	3377.6	3385.0	3377.6	3403.6	3425.9
20°	3377.6	3351.6	3333.1	3333.1	3381.4	3351.6	3329.4	3340.5	3329.4	3351.6	3381.4
22.5°	3292.4	3270.1	3251.6	3247.9	3296.0	3270.1	3240.5	3262.8	3240.5	3270.1	3296.0
25°	3181.1	3158.9	3144.0	3136.6	3184.9	3155.1	3129.2	3151.5	3129.2	3155.1	3184.9
27.5°	3036.5	3018.0	3003.1	2992.0	3036.5	3010.6	2984.6	3006.9	2984.6	3010.6	3036.5
30°	2851.1	2840.0	2825.2	2810.4	2854.9	2828.9	2803.0	2832.6	2803.0	2828.9	2854.9
32.5°	2636.1	2628.8	2610.1	2595.4	2639.9	2610.1	2591.6	2613.9	2591.6	2610.1	2639.9
35°	2387.8	2376.6	2365.5	2339.5	2387.8	2361.8	2361.8	2369.1	2361.8	2361.8	2387.8
37.5°	2109.6	2102.2	2087.4	2065.1	2105.9	2087.4	2080.0	2102.2	2080.0	2087.4	2105.9
40°	1798.1	1794.5	1783.4	1757.4	1801.9	1783.4	1772.2	1801.9	1772.2	1783.4	1801.9
42.5°	1471.9	1464.5	1453.4	1449.6	1471.9	1457.1	1468.2	1468.2	1468.2	1457.1	1471.9
45°	1134.5	1127.1	1119.8	1104.9	1130.9	1123.4	1119.8	1127.1	1119.8	1123.4	1130.9
47.5°	823.1	815.6	808.2	797.1	823.1	812.0	812.0	819.4	812.0	812.0	823.1
50°	552.4	556.1	552.4	545.0	552.4	548.8	552.4	559.9	552.4	548.8	552.4
52.5°	367.0	367.0	359.6	355.9	363.4	359.6	370.8	363.4	370.8	359.6	363.4
55°	222.5	226.1	222.5	218.8	222.5	218.8	229.9	226.1	229.9	218.8	222.5
57.5°	126.0	126.0	129.8	126.0	133.5	129.8	129.8	129.8	129.8	129.8	133.5
60°	70.5	70.5	70.5	70.5	70.5	70.5	74.1	70.5	74.1	70.5	70.5
62.5°	48.2	48.2	48.2	44.5	48.2	44.5	48.2	48.2	48.2	44.5	48.2
65°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
67.5°	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
70°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
72.5°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
75°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
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: P212860

CATALOG NUMBER: LE\_6B60D010R EC6B60709730 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9
2.5°	3244.1	3207.1	3225.6	3262.8	3210.8	3255.2	3229.4	3184.9	3184.9	3218.2	3225.6
5°	3284.9	3259.0	3273.8	3307.1	3255.2	3299.8	3270.1	3225.6	3221.9	3255.2	3266.4
7.5°	3322.0	3296.0	3314.6	3348.0	3292.4	3336.9	3310.9	3262.8	3255.2	3288.6	3299.8
10°	3333.1	3310.9	3325.8	3362.8	3307.1	3348.0	3329.4	3277.5	3273.8	3299.8	3314.6
12.5°	3351.6	3333.1	3351.6	3388.8	3333.1	3373.9	3355.4	3303.5	3296.0	3329.4	3340.5
15°	3388.8	3370.2	3392.5	3425.9	3373.9	3407.2	3388.8	3336.9	3333.1	3359.1	3373.9
17.5°	3392.5	3377.6	3399.9	3425.9	3373.9	3407.2	3392.5	3336.9	3333.1	3362.8	3373.9
20°	3333.1	3333.1	3351.6	3377.6	3322.0	3355.4	3340.5	3284.9	3284.9	3310.9	3322.0
22.5°	3247.9	3251.6	3270.1	3292.4	3236.8	3270.1	3255.2	3199.6	3203.4	3225.6	3240.5
25°	3136.6	3144.0	3158.9	3181.1	3129.2	3158.9	3136.6	3092.1	3088.4	3114.4	3132.9
27.5°	2992.0	3003.1	3018.0	3036.5	2988.4	3010.6	2995.8	2951.2	2947.5	2973.5	2992.0
30°	2810.4	2825.2	2840.0	2851.1	2806.6	2828.9	2810.4	2769.6	2769.6	2791.9	2803.0
32.5°	2595.4	2610.1	2628.8	2636.1	2591.6	2617.6	2602.8	2558.2	2558.2	2580.5	2602.8
35°	2339.5	2365.5	2376.6	2387.8	2343.2	2358.0	2365.5	2306.1	2313.5	2332.1	2361.8
37.5°	2065.1	2087.4	2102.2	2109.6	2068.9	2083.6	2087.4	2035.5	2042.9	2057.8	2091.1
40°	1757.4	1783.4	1794.5	1798.1	1768.5	1779.6	1783.4	1731.5	1742.6	1753.8	1779.6
42.5°	1449.6	1453.4	1464.5	1471.9	1446.0	1449.6	1457.1	1408.9	1423.8	1427.4	1453.4
45°	1104.9	1119.8	1127.1	1134.5	1112.2	1119.8	1119.8	1086.4	1090.0	1097.5	1119.8
47.5°	797.1	808.2	815.6	823.1	804.5	812.0	812.0	778.6	789.8	793.4	808.2
50°	545.0	552.4	556.1	552.4	552.4	552.4	552.4	533.9	545.0	533.9	552.4
52.5°	355.9	359.6	367.0	367.0	355.9	363.4	363.4	348.5	352.2	352.2	363.4
55°	218.8	222.5	226.1	222.5	218.8	222.5	222.5	215.0	222.5	215.0	226.1
57.5°	126.0	129.8	126.0	126.0	126.0	126.0	126.0	126.0	126.0	122.4	129.8
60°	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	74.1
62.5°	44.5	48.2	48.2	48.2	48.2	48.2	48.2	44.5	48.2	48.2	48.2
65°	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	40.8
67.5°	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	33.4
70°	22.2	22.2	22.2	22.2	22.2	22.2	26.0	26.0	22.2	26.0	26.0
72.5°	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5	18.5
75°	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1	14.9
77.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4
80°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.4
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: P212860

CATALOG NUMBER: LE\_6B60D010R EC6B60709730 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9
2.5°	3221.9	3192.2	3192.2	3158.9	3188.5	3192.2	3155.1	3144.0	3184.9	3140.4	3162.6
5°	3251.6	3221.9	3221.9	3188.5	3210.8	3210.8	3173.8	3155.1	3196.0	3151.5	3170.0
7.5°	3288.6	3255.2	3247.9	3214.5	3233.0	3236.8	3192.2	3166.2	3207.1	3155.1	3173.8
10°	3299.8	3262.8	3259.0	3225.6	3240.5	3244.1	3192.2	3170.0	3203.4	3147.8	3158.9
12.5°	3325.8	3284.9	3284.9	3251.6	3262.8	3262.8	3210.8	3181.1	3210.8	3155.1	3162.6
15°	3355.4	3310.9	3310.9	3277.5	3284.9	3288.6	3225.6	3196.0	3221.9	3162.6	3170.0
17.5°	3355.4	3307.1	3307.1	3277.5	3281.2	3277.5	3218.2	3184.9	3203.4	3140.4	3144.0
20°	3303.5	3255.2	3262.8	3229.4	3233.0	3229.4	3166.2	3132.9	3151.5	3084.8	3092.1
22.5°	3218.2	3173.8	3181.1	3151.5	3151.5	3147.8	3088.4	3055.1	3073.6	3006.9	3010.6
25°	3110.6	3066.1	3073.6	3044.0	3047.6	3047.6	2988.4	2951.2	2969.8	2910.5	2910.5
27.5°	2969.8	2925.2	2936.4	2917.9	2906.8	2910.5	2858.5	2821.5	2840.0	2784.4	2784.4
30°	2788.1	2751.0	2762.1	2747.4	2736.2	2736.2	2691.8	2654.6	2673.1	2625.0	2621.2
32.5°	2573.1	2543.4	2554.5	2543.4	2532.2	2543.4	2495.2	2458.1	2476.6	2439.6	2443.2
35°	2339.5	2309.9	2317.2	2306.1	2298.8	2306.1	2257.9	2232.0	2250.5	2213.5	2228.2
37.5°	2080.0	2028.0	2050.2	2042.9	2035.5	2039.1	1994.8	1976.1	1998.4	1976.1	1987.2
40°	1776.0	1738.9	1753.8	1746.2	1738.9	1757.4	1724.0	1698.1	1716.6	1701.8	1724.0
42.5°	1446.0	1416.2	1434.9	1431.1	1420.0	1442.2	1416.2	1397.8	1427.4	1420.0	1438.5
45°	1112.2	1090.0	1104.9	1104.9	1101.1	1119.8	1093.8	1097.5	1127.1	1138.2	1160.5
47.5°	804.5	771.1	789.8	800.9	800.9	819.4	804.5	819.4	852.8	875.0	893.5
50°	548.8	541.2	545.0	548.8	556.1	571.0	567.2	589.5	611.8	648.9	671.1
52.5°	363.4	355.9	363.4	367.0	374.5	389.2	389.2	415.2	441.2	474.6	500.5
55°	226.1	222.5	226.1	229.9	237.2	252.1	255.9	281.8	307.8	341.1	363.4
57.5°	129.8	133.5	133.5	140.9	144.6	155.8	166.9	181.6	211.4	244.8	267.0
60°	74.1	74.1	77.9	81.6	85.2	96.4	103.9	118.6	140.9	174.2	189.1
62.5°	48.2	48.2	51.9	51.9	55.6	63.0	70.5	85.2	103.9	129.8	144.6
65°	40.8	40.8	40.8	44.5	44.5	51.9	59.4	70.5	85.2	103.9	118.6
67.5°	33.4	33.4	33.4	37.1	37.1	40.8	48.2	55.6	66.8	81.6	92.8
70°	26.0	26.0	26.0	29.6	29.6	33.4	37.1	40.8	51.9	63.0	70.5
72.5°	18.5	18.5	22.2	22.2	22.2	26.0	29.6	33.4	40.8	48.2	51.9
75°	14.9	14.9	14.9	14.9	18.5	18.5	22.2	26.0	29.6	33.4	37.1
77.5°	7.4	7.4	11.1	11.1	11.1	14.9	14.9	18.5	22.2	26.0	26.0
80°	7.4	7.4	7.4	7.4	7.4	11.1	11.1	11.1	14.9	18.5	18.5
82.5°	3.8	3.8	3.8	3.8	3.8	7.4	7.4	7.4	11.1	11.1	11.1
85°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.4	7.4	7.4
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: P212860

CATALOG NUMBER: LE\_6B60D010R EC6B60709730 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9	3184.9
2.5°	3136.6	3147.8	3147.8	3136.6	3107.0	3132.9	3158.9	3132.9	3166.2	3107.0	3107.0
5°	3136.6	3144.0	3140.4	3125.5	3095.9	3118.1	3136.6	3110.6	3136.6	3081.0	3077.2
7.5°	3144.0	3136.6	3129.2	3110.6	3073.6	3088.4	3107.0	3077.2	3103.2	3044.0	3036.5
10°	3129.2	3118.1	3103.2	3077.2	3036.5	3047.6	3058.8	3032.9	3051.4	2992.0	2988.4
12.5°	3129.2	3110.6	3088.4	3058.8	3014.2	3021.8	3032.9	2999.5	3014.2	2958.6	2951.2
15°	3136.6	3103.2	3077.2	3044.0	2995.8	2999.5	3006.9	2969.8	2984.6	2925.2	2921.6
17.5°	3110.6	3073.6	3047.6	3006.9	2955.0	2958.6	2958.6	2921.6	2932.8	2873.4	2869.6
20°	3055.1	3010.6	2980.9	2943.9	2888.2	2888.2	2888.2	2851.1	2858.5	2806.6	2799.2
22.5°	2977.2	2929.0	2899.4	2862.2	2810.4	2806.6	2803.0	2773.2	2773.2	2725.1	2714.0
25°	2873.4	2828.9	2799.2	2765.9	2714.0	2706.5	2706.5	2680.6	2676.9	2632.4	2625.0
27.5°	2754.8	2702.9	2676.9	2647.2	2599.0	2591.6	2587.9	2573.1	2565.6	2517.5	2513.8
30°	2595.4	2550.9	2528.6	2502.6	2458.1	2450.8	2447.0	2432.1	2428.5	2380.2	2380.2
32.5°	2424.8	2369.1	2354.4	2328.4	2295.0	2291.2	2295.0	2276.5	2261.6	2228.2	2220.9
35°	2220.9	2165.2	2154.1	2143.0	2117.0	2109.6	2105.9	2102.2	2083.6	2061.4	2050.2
37.5°	1983.6	1935.4	1935.4	1931.6	1913.1	1913.1	1913.1	1905.8	1887.1	1879.8	1857.5
40°	1727.8	1690.6	1694.4	1698.1	1690.6	1694.4	1698.1	1690.6	1675.9	1668.4	1649.9
42.5°	1453.4	1434.9	1449.6	1460.8	1460.8	1471.9	1479.4	1479.4	1460.8	1457.1	1442.2
45°	1179.0	1175.2	1205.0	1227.2	1234.6	1253.1	1264.2	1256.9	1256.9	1256.9	1242.0
47.5°	923.2	938.0	964.0	1008.5	1023.2	1045.5	1053.0	1064.1	1060.4	1064.1	1053.0
50°	700.8	734.1	767.5	812.0	834.2	860.1	871.2	886.1	886.1	889.9	882.4
52.5°	530.1	556.1	611.8	641.4	667.4	693.4	708.1	723.0	726.8	726.8	719.2
55°	393.0	430.1	467.1	508.0	530.1	556.1	567.2	582.1	582.1	589.5	582.1
57.5°	285.5	322.5	363.4	393.0	419.0	437.5	448.6	459.8	467.1	467.1	463.5
60°	211.4	241.0	274.4	304.0	326.2	344.8	352.2	363.4	367.0	367.0	359.6
62.5°	159.4	189.1	218.8	244.8	259.5	274.4	281.8	289.2	289.2	289.2	285.5
65°	129.8	152.0	174.2	196.5	211.4	222.5	226.1	233.6	229.9	233.6	229.9
67.5°	103.9	118.6	137.1	152.0	163.1	170.5	174.2	181.6	178.0	181.6	178.0
70°	77.9	92.8	103.9	114.9	122.4	129.8	133.5	137.1	133.5	137.1	133.5
72.5°	59.4	66.8	77.9	89.0	92.8	96.4	100.1	100.1	100.1	103.9	100.1
75°	40.8	48.2	55.6	59.4	66.8	70.5	70.5	74.1	74.1	74.1	74.1
77.5°	29.6	33.4	37.1	40.8	44.5	48.2	48.2	51.9	51.9	51.9	51.9
80°	18.5	22.2	22.2	26.0	29.6	29.6	33.4	33.4	33.4	33.4	33.4
82.5°	11.1	14.9	14.9	18.5	18.5	18.5	22.2	22.2	22.2	22.2	22.2
85°	7.4	7.4	7.4	11.1	11.1	11.1	11.1	11.1	11.1	11.1	11.1
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	7.4	7.4	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: P212860

CATALOG NUMBER: LE\_6B60D010R EC6B60709730 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	3184.9	3184.9	3184.9	3184.9
2.5°	3136.6	3118.1	3147.8	3103.2
5°	3103.2	3084.8	3121.8	3066.1
7.5°	3062.5	3044.0	3077.2	3021.8
10°	3010.6	2992.0	3021.8	2962.4
12.5°	2966.1	2947.5	2980.9	2925.2
15°	2932.8	2914.1	2943.9	2891.9
17.5°	2880.8	2858.5	2891.9	2836.4
20°	2806.6	2791.9	2817.8	2762.1
22.5°	2721.4	2706.5	2736.2	2680.6
25°	2632.4	2613.9	2643.5	2587.9
27.5°	2517.5	2502.6	2532.2	2476.6
30°	2380.2	2365.5	2395.1	2343.2
32.5°	2224.5	2209.8	2232.0	2187.5
35°	2046.6	2035.5	2057.8	2009.5
37.5°	1853.8	1842.6	1864.9	1816.8
40°	1646.1	1635.0	1653.6	1631.4
42.5°	1442.2	1431.1	1449.6	1431.1
45°	1242.0	1234.6	1253.1	1234.6
47.5°	1056.6	1049.2	1067.8	1049.2
50°	878.8	882.4	889.9	882.4
52.5°	719.2	719.2	730.4	719.2
55°	582.1	585.8	589.5	582.1
57.5°	463.5	463.5	467.1	463.5
60°	359.6	363.4	363.4	359.6
62.5°	285.5	285.5	285.5	285.5
65°	226.1	226.1	229.9	226.1
67.5°	178.0	174.2	178.0	174.2
70°	133.5	133.5	133.5	133.5
72.5°	103.9	103.9	100.1	100.1
75°	74.1	77.9	74.1	74.1
77.5°	51.9	51.9	51.9	51.9
80°	33.4	33.4	33.4	33.4
82.5°	22.2	22.2	22.2	22.2
85°	14.9	11.1	11.1	11.1
87.5°	7.4	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)