

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: P212854

Luminaire Tested: **LE\_6B60D010R EC6B60709027 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212854  
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 EC6B60709027 6LBSWLI1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5859.0 lumens  
Efficiency: N/A  
Efficacy: 93.7 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

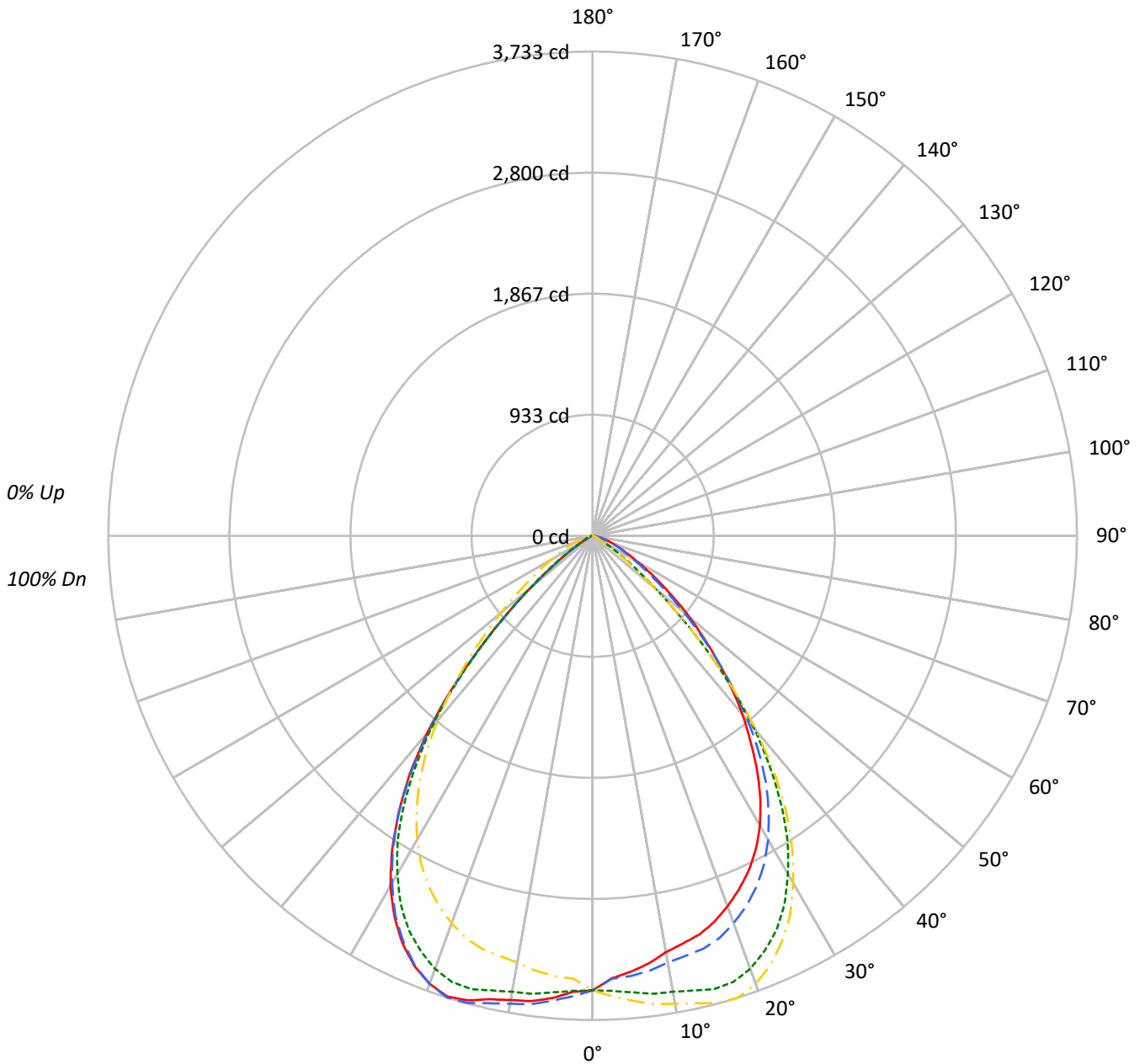
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	192101	192101	192101	192101
5°	185659	194414	196885	194414
10°	181443	198705	202340	198705
15°	180591	205364	210455	205364
20°	177302	207288	214429	207288
25°	172238	202838	209746	202838
30°	163202	190574	197296	190574
35°	147974	169817	174462	169817
40°	128455	138388	141880	138388
45°	105321	95514	96142	95514
50°	82803	53576	52536	53576
55°	61216	26513	23789	26513
60°	43396	11633	8497	11633
65°	32286	7407	5292	7407
70°	23546	5898	3927	5898
75°	17284	4321	2584	4321
80°	11618	3852	1294	3852
85°	7674	2579	2579	2579



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	335.5	5.7
10°-20°	993.6	17.0
20°-30°	1482.7	25.3
30°-40°	1523.4	26.0
40°-50°	986.5	16.8
50°-60°	366.8	6.3
60°-70°	120.4	2.1
70°-80°	42.5	0.7
80°-90°	7.6	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°	2811.8	48.0
0°-40°	4335.2	74.0
0°-60°	5688.5	97.1
0°-90°	5859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5859.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3504	3504	3504	3504	3504	
5°	3374	3533	3578	3533	3374	319
15°	3182	3618	3708	3618	3182	895
25°	2848	3353	3468	3353	2848	1305
35°	2211	2538	2607	2538	2211	1373
45°	1358	1232	1240	1232	1358	1050
55°	640	277	249	277	640	584
65°	249	57	41	57	249	253
75°	82	20	12	20	82	90
85°	12	4	4	4	12	16
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°	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2
2.5°	3414.5	3463.5	3430.9	3451.2	3418.6	3418.6	3483.9	3447.2	3475.8	3447.2	3418.6
5°	3373.8	3435.0	3394.1	3414.5	3386.0	3390.1	3451.2	3422.8	3451.2	3430.9	3406.4
7.5°	3324.8	3386.0	3349.2	3369.6	3341.1	3349.2	3414.5	3386.0	3418.6	3398.2	3381.9
10°	3259.5	3324.8	3292.1	3312.6	3288.1	3292.1	3357.5	3337.0	3365.6	3353.4	3341.1
12.5°	3218.8	3279.9	3243.2	3263.6	3247.2	3255.5	3316.6	3300.4	3337.0	3324.8	3316.6
15°	3182.0	3239.1	3206.5	3226.9	3214.6	3218.8	3284.0	3267.8	3308.5	3300.4	3296.2
17.5°	3120.9	3182.0	3145.2	3169.8	3157.5	3161.6	3226.9	3214.6	3255.5	3255.5	3251.4
20°	3039.2	3100.4	3071.9	3088.2	3080.0	3088.2	3145.2	3137.1	3178.0	3178.0	3178.0
22.5°	2949.5	3010.6	2978.0	2994.4	2986.2	2998.5	3051.5	3051.5	3084.1	3088.2	3092.2
25°	2847.5	2908.8	2876.0	2896.5	2888.2	2896.5	2945.4	2949.5	2978.0	2978.0	2986.2
27.5°	2725.1	2786.2	2753.6	2770.0	2765.9	2770.0	2823.0	2831.1	2847.5	2851.6	2859.8
30°	2578.2	2635.4	2602.8	2619.0	2619.0	2619.0	2672.1	2676.1	2692.5	2696.6	2704.8
32.5°	2406.9	2455.9	2431.4	2447.8	2443.6	2451.8	2488.5	2504.9	2525.2	2521.1	2525.2
35°	2211.1	2264.1	2239.6	2251.9	2256.0	2268.2	2292.8	2313.1	2317.1	2321.2	2329.4
37.5°	1999.0	2052.0	2027.5	2039.8	2043.9	2068.4	2076.5	2096.9	2105.0	2105.0	2105.0
40°	1795.0	1819.5	1799.1	1811.2	1815.4	1835.8	1844.0	1860.2	1868.4	1864.4	1860.2
42.5°	1574.8	1595.1	1574.8	1586.9	1586.9	1603.2	1607.4	1627.8	1627.8	1619.6	1607.4
45°	1358.5	1378.9	1358.5	1366.6	1366.6	1383.0	1383.0	1383.0	1391.1	1378.9	1358.5
47.5°	1154.5	1174.9	1154.5	1162.6	1158.6	1170.9	1166.8	1170.9	1158.6	1150.4	1126.0
50°	970.9	979.1	970.9	966.9	970.9	979.1	975.0	975.0	958.6	946.5	917.9
52.5°	791.4	803.6	791.4	791.4	791.4	799.6	799.6	795.5	779.2	762.9	734.4
55°	640.5	648.6	644.6	640.5	640.5	648.6	640.5	640.5	624.1	611.9	583.4
57.5°	510.0	514.0	510.0	510.0	510.0	514.0	514.0	505.9	493.6	481.4	461.0
60°	395.8	399.8	399.8	395.8	395.8	403.9	403.9	399.8	387.5	379.4	359.0
62.5°	314.1	314.1	314.1	314.1	314.1	318.2	318.2	318.2	310.0	301.9	285.6
65°	248.9	252.9	248.9	248.9	252.9	257.0	252.9	257.0	248.9	244.8	232.5
67.5°	191.8	195.9	191.8	195.9	195.9	199.9	195.9	199.9	191.8	187.6	179.5
70°	146.9	146.9	146.9	146.9	146.9	151.0	146.9	151.0	146.9	142.8	134.6
72.5°	110.1	110.1	114.2	114.2	110.1	114.2	110.1	110.1	110.1	106.1	102.0
75°	81.6	81.6	85.6	81.6	81.6	81.6	81.6	81.6	77.5	77.5	73.4
77.5°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	53.0	53.0	49.0
80°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	32.6	32.6
82.5°	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	20.4	20.4
85°	12.2	12.2	12.2	16.4	12.2	12.2	12.2	12.2	12.2	12.2	12.2
87.5°	4.1	4.1	4.1	8.1	4.1	4.1	8.1	8.1	4.1	4.1	4.1
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°	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2
2.5°	3451.2	3463.5	3463.5	3451.2	3479.9	3455.4	3504.2	3459.4	3471.6	3512.5	3508.4
5°	3439.0	3455.4	3459.4	3451.2	3488.0	3467.6	3516.5	3471.6	3492.1	3532.9	3532.9
7.5°	3422.8	3443.1	3451.2	3459.4	3492.1	3471.6	3528.8	3483.9	3512.5	3561.4	3557.4
10°	3386.0	3414.5	3430.9	3443.1	3475.8	3463.5	3524.8	3488.0	3512.5	3569.6	3565.5
12.5°	3365.6	3398.2	3422.8	3443.1	3479.9	3471.6	3532.9	3500.2	3532.9	3590.0	3590.0
15°	3349.2	3386.0	3414.5	3451.2	3488.0	3479.9	3545.1	3516.5	3549.1	3618.5	3614.5
17.5°	3308.5	3353.4	3381.9	3422.8	3459.4	3455.4	3524.8	3504.2	3541.0	3606.2	3610.4
20°	3239.1	3279.9	3312.6	3361.5	3402.4	3394.1	3467.6	3447.2	3483.9	3553.2	3557.4
22.5°	3149.4	3190.1	3222.9	3275.9	3312.6	3308.5	3381.9	3361.5	3398.2	3463.5	3467.6
25°	3043.4	3080.0	3112.6	3161.6	3202.4	3202.4	3267.8	3247.2	3288.1	3353.4	3353.4
27.5°	2912.8	2945.4	2974.0	3031.1	3063.8	3063.8	3124.9	3104.5	3145.2	3202.4	3198.4
30°	2753.6	2782.2	2806.8	2855.6	2884.2	2888.2	2941.4	2920.9	2961.8	3010.6	3010.6
32.5°	2562.0	2590.5	2606.9	2668.0	2688.4	2684.4	2725.1	2704.8	2745.5	2798.5	2786.2
35°	2358.0	2370.2	2382.5	2443.6	2451.8	2435.5	2476.2	2455.9	2484.4	2537.5	2529.2
37.5°	2125.4	2129.5	2129.5	2182.5	2186.6	2174.4	2198.9	2174.4	2194.8	2243.8	2239.6
40°	1868.4	1864.4	1860.2	1901.0	1897.0	1872.5	1888.9	1868.4	1897.0	1933.8	1913.2
42.5°	1607.4	1595.1	1578.8	1599.1	1582.9	1562.5	1570.6	1538.0	1558.4	1586.9	1562.5
45°	1350.4	1325.9	1293.2	1297.2	1276.9	1252.4	1240.1	1207.5	1203.5	1232.0	1211.6
47.5°	1109.6	1060.6	1032.1	1015.8	983.1	962.8	938.2	901.6	885.2	901.6	881.1
50°	893.4	844.5	807.8	771.0	738.4	713.9	673.1	648.6	624.1	628.2	611.9
52.5°	705.8	673.1	611.9	583.4	550.8	522.1	485.5	456.9	428.4	428.4	412.0
55°	558.9	514.0	473.2	432.4	399.8	375.4	338.6	310.0	281.5	277.4	261.1
57.5°	432.4	399.8	354.9	314.1	293.8	269.2	232.5	199.9	183.6	171.4	159.1
60°	334.5	301.9	265.1	232.5	208.0	191.8	155.0	130.5	114.2	106.1	93.9
62.5°	269.2	240.8	208.0	175.4	159.1	142.8	114.2	93.9	77.5	69.4	61.2
65°	216.2	191.8	167.2	142.8	130.5	114.2	93.9	77.5	65.2	57.1	49.0
67.5°	167.2	151.0	130.5	114.2	102.0	89.8	73.4	61.2	53.0	44.9	40.8
70°	126.5	114.2	102.0	85.6	77.5	69.4	57.1	44.9	40.8	36.8	32.6
72.5°	97.9	85.6	73.4	65.2	57.1	53.0	44.9	36.8	32.6	28.5	24.5
75°	65.2	61.2	53.0	44.9	40.8	36.8	32.6	28.5	24.5	20.4	20.4
77.5°	44.9	40.8	36.8	32.6	28.5	28.5	24.5	20.4	16.4	16.4	12.2
80°	28.5	24.5	24.5	20.4	20.4	20.4	16.4	12.2	12.2	12.2	8.1
82.5°	20.4	16.4	16.4	12.2	12.2	12.2	12.2	8.1	8.1	8.1	4.1
85°	12.2	8.1	8.1	8.1	8.1	8.1	8.1	4.1	4.1	4.1	4.1
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	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°	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2
2.5°	3475.8	3512.5	3512.5	3545.1	3549.1	3541.0	3504.2	3504.2	3553.2	3581.9	3532.9
5°	3508.4	3545.1	3545.1	3577.8	3594.0	3581.9	3545.1	3549.1	3598.1	3630.8	3581.9
7.5°	3537.0	3573.6	3581.9	3618.5	3630.8	3618.5	3581.9	3590.0	3643.0	3671.6	3622.6
10°	3549.1	3585.9	3590.0	3630.8	3647.1	3630.8	3602.2	3606.2	3663.4	3683.8	3638.9
12.5°	3577.8	3614.5	3614.5	3659.4	3675.6	3663.4	3626.8	3634.9	3692.0	3712.4	3667.5
15°	3606.2	3643.0	3643.0	3692.0	3712.4	3696.0	3667.5	3671.6	3728.6	3749.1	3712.4
17.5°	3606.2	3638.9	3638.9	3692.0	3712.4	3700.1	3667.5	3671.6	3732.8	3749.1	3712.4
20°	3553.2	3590.0	3581.9	3634.9	3655.2	3643.0	3614.5	3614.5	3675.6	3692.0	3655.2
22.5°	3467.6	3500.2	3492.1	3541.0	3565.5	3549.1	3524.8	3520.6	3581.9	3598.1	3561.4
25°	3349.2	3381.9	3373.8	3422.8	3447.2	3426.8	3398.2	3402.4	3451.2	3475.8	3443.1
27.5°	3210.6	3231.0	3218.8	3267.8	3292.1	3271.8	3243.2	3247.2	3296.2	3312.6	3288.1
30°	3022.9	3039.2	3027.0	3067.8	3084.1	3071.9	3047.4	3047.4	3092.2	3112.6	3088.2
32.5°	2798.5	2810.8	2798.5	2831.1	2863.9	2839.4	2814.9	2814.9	2863.9	2880.1	2851.6
35°	2537.5	2549.8	2541.5	2574.1	2598.6	2566.0	2545.6	2537.5	2602.8	2594.6	2578.2
37.5°	2247.9	2256.0	2231.5	2288.6	2300.9	2264.1	2247.9	2239.6	2296.8	2292.8	2276.4
40°	1921.5	1929.6	1913.2	1954.1	1958.1	1929.6	1917.4	1905.1	1962.2	1958.1	1945.9
42.5°	1574.8	1578.8	1558.4	1591.0	1599.1	1570.6	1566.5	1550.2	1603.2	1595.1	1591.0
45°	1215.8	1215.8	1199.4	1223.9	1232.0	1207.5	1199.4	1195.2	1232.0	1232.0	1223.9
47.5°	881.1	869.0	848.5	885.2	889.4	873.0	869.0	856.8	893.4	893.4	885.2
50°	603.8	599.8	595.6	603.8	607.9	587.5	599.8	587.5	607.9	607.9	607.9
52.5°	403.9	399.8	391.6	399.8	399.8	387.5	387.5	383.5	399.8	399.8	391.6
55°	252.9	248.9	244.8	248.9	248.9	236.6	244.8	236.6	244.8	244.8	240.8
57.5°	155.0	146.9	146.9	142.8	142.8	134.6	138.8	138.8	138.8	138.8	138.8
60°	89.8	85.6	81.6	81.6	81.6	77.5	77.5	77.5	77.5	77.5	77.5
62.5°	57.1	57.1	53.0	53.0	53.0	53.0	53.0	49.0	53.0	53.0	53.0
65°	49.0	44.9	44.9	44.9	44.9	40.8	40.8	40.8	40.8	40.8	40.8
67.5°	40.8	36.8	36.8	36.8	36.8	32.6	32.6	32.6	32.6	32.6	32.6
70°	32.6	28.5	28.5	28.5	28.5	28.5	24.5	28.5	28.5	24.5	24.5
72.5°	24.5	24.5	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
75°	16.4	16.4	16.4	16.4	16.4	12.2	12.2	12.2	12.2	12.2	12.2
77.5°	12.2	12.2	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	8.1	8.1	8.1	8.1	8.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	4.1	4.1	4.1	4.1	4.1	0.0	4.1	0.0	4.1	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: P212854

CATALOG NUMBER: LE\_6B60D010R EC6B60709027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2
2.5°	3590.0	3549.1	3528.8	3569.6	3585.9	3565.5	3549.1	3520.6	3549.1	3565.5	3585.9
5°	3638.9	3602.2	3585.9	3614.5	3638.9	3618.5	3606.2	3577.8	3606.2	3618.5	3638.9
7.5°	3683.8	3647.1	3626.8	3655.2	3683.8	3655.2	3643.0	3618.5	3643.0	3655.2	3683.8
10°	3700.1	3659.4	3643.0	3667.5	3696.0	3667.5	3651.1	3634.9	3651.1	3667.5	3696.0
12.5°	3728.6	3687.9	3667.5	3687.9	3716.5	3687.9	3671.6	3659.4	3671.6	3687.9	3716.5
15°	3769.5	3732.8	3708.2	3728.6	3765.4	3732.8	3712.4	3708.2	3712.4	3732.8	3765.4
17.5°	3769.5	3740.9	3716.5	3732.8	3769.5	3745.0	3716.5	3724.6	3716.5	3745.0	3769.5
20°	3716.5	3687.9	3667.5	3667.5	3720.5	3687.9	3663.4	3675.6	3663.4	3687.9	3720.5
22.5°	3622.6	3598.1	3577.8	3573.6	3626.8	3598.1	3565.5	3590.0	3565.5	3598.1	3626.8
25°	3500.2	3475.8	3459.4	3451.2	3504.2	3471.6	3443.1	3467.6	3443.1	3471.6	3504.2
27.5°	3341.1	3320.8	3304.4	3292.1	3341.1	3312.6	3284.0	3308.5	3284.0	3312.6	3341.1
30°	3137.1	3124.9	3108.6	3092.2	3141.2	3112.6	3084.1	3116.8	3084.1	3112.6	3141.2
32.5°	2900.5	2892.4	2872.0	2855.6	2904.6	2872.0	2851.6	2876.0	2851.6	2872.0	2904.6
35°	2627.2	2615.0	2602.8	2574.1	2627.2	2598.6	2598.6	2606.9	2598.6	2598.6	2627.2
37.5°	2321.2	2313.1	2296.8	2272.2	2317.1	2296.8	2288.6	2313.1	2288.6	2296.8	2317.1
40°	1978.6	1974.5	1962.2	1933.8	1982.6	1962.2	1950.0	1982.6	1950.0	1962.2	1982.6
42.5°	1619.6	1611.4	1599.1	1595.1	1619.6	1603.2	1615.5	1615.5	1615.5	1603.2	1619.6
45°	1248.4	1240.1	1232.0	1215.8	1244.2	1236.1	1232.0	1240.1	1232.0	1236.1	1244.2
47.5°	905.6	897.5	889.4	877.1	905.6	893.4	893.4	901.6	893.4	893.4	905.6
50°	607.9	611.9	607.9	599.8	607.9	603.8	607.9	616.0	607.9	603.8	607.9
52.5°	403.9	403.9	395.8	391.6	399.8	395.8	408.0	399.8	408.0	395.8	399.8
55°	244.8	248.9	244.8	240.8	244.8	240.8	252.9	248.9	252.9	240.8	244.8
57.5°	138.8	138.8	142.8	138.8	146.9	142.8	142.8	142.8	142.8	142.8	146.9
60°	77.5	77.5	77.5	77.5	77.5	77.5	81.6	77.5	81.6	77.5	77.5
62.5°	53.0	53.0	53.0	49.0	53.0	49.0	53.0	53.0	53.0	49.0	53.0
65°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8
67.5°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
70°	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5	24.5
72.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
75°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	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: P212854

CATALOG NUMBER: LE\_6B60D010R EC6B60709027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2
2.5°	3569.6	3528.8	3549.1	3590.0	3532.9	3581.9	3553.2	3504.2	3504.2	3541.0	3549.1
5°	3614.5	3585.9	3602.2	3638.9	3581.9	3630.8	3598.1	3549.1	3545.1	3581.9	3594.0
7.5°	3655.2	3626.8	3647.1	3683.8	3622.6	3671.6	3643.0	3590.0	3581.9	3618.5	3630.8
10°	3667.5	3643.0	3659.4	3700.1	3638.9	3683.8	3663.4	3606.2	3602.2	3630.8	3647.1
12.5°	3687.9	3667.5	3687.9	3728.6	3667.5	3712.4	3692.0	3634.9	3626.8	3663.4	3675.6
15°	3728.6	3708.2	3732.8	3769.5	3712.4	3749.1	3728.6	3671.6	3667.5	3696.0	3712.4
17.5°	3732.8	3716.5	3740.9	3769.5	3712.4	3749.1	3732.8	3671.6	3667.5	3700.1	3712.4
20°	3667.5	3667.5	3687.9	3716.5	3655.2	3692.0	3675.6	3614.5	3614.5	3643.0	3655.2
22.5°	3573.6	3577.8	3598.1	3622.6	3561.4	3598.1	3581.9	3520.6	3524.8	3549.1	3565.5
25°	3451.2	3459.4	3475.8	3500.2	3443.1	3475.8	3451.2	3402.4	3398.2	3426.8	3447.2
27.5°	3292.1	3304.4	3320.8	3341.1	3288.1	3312.6	3296.2	3247.2	3243.2	3271.8	3292.1
30°	3092.2	3108.6	3124.9	3137.1	3088.2	3112.6	3092.2	3047.4	3047.4	3071.9	3084.1
32.5°	2855.6	2872.0	2892.4	2900.5	2851.6	2880.1	2863.9	2814.9	2814.9	2839.4	2863.9
35°	2574.1	2602.8	2615.0	2627.2	2578.2	2594.6	2602.8	2537.5	2545.6	2566.0	2598.6
37.5°	2272.2	2296.8	2313.1	2321.2	2276.4	2292.8	2296.8	2239.6	2247.9	2264.1	2300.9
40°	1933.8	1962.2	1974.5	1978.6	1945.9	1958.1	1962.2	1905.1	1917.4	1929.6	1958.1
42.5°	1595.1	1599.1	1611.4	1619.6	1591.0	1595.1	1603.2	1550.2	1566.5	1570.6	1599.1
45°	1215.8	1232.0	1240.1	1248.4	1223.9	1232.0	1232.0	1195.2	1199.4	1207.5	1232.0
47.5°	877.1	889.4	897.5	905.6	885.2	893.4	893.4	856.8	869.0	873.0	889.4
50°	599.8	607.9	611.9	607.9	607.9	607.9	607.9	587.5	599.8	587.5	607.9
52.5°	391.6	395.8	403.9	403.9	391.6	399.8	399.8	383.5	387.5	387.5	399.8
55°	240.8	244.8	248.9	244.8	240.8	244.8	244.8	236.6	244.8	236.6	248.9
57.5°	138.8	142.8	138.8	138.8	138.8	138.8	138.8	138.8	138.8	134.6	142.8
60°	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	81.6
62.5°	49.0	53.0	53.0	53.0	53.0	53.0	53.0	49.0	53.0	53.0	53.0
65°	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	40.8	44.9
67.5°	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	36.8
70°	24.5	24.5	24.5	24.5	24.5	24.5	28.5	28.5	24.5	28.5	28.5
72.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
75°	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2	16.4
77.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	4.1	0.0	4.1
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: P212854

CATALOG NUMBER: LE\_6B60D010R EC6B60709027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2
2.5°	3545.1	3512.5	3512.5	3475.8	3508.4	3512.5	3471.6	3459.4	3504.2	3455.4	3479.9
5°	3577.8	3545.1	3545.1	3508.4	3532.9	3532.9	3492.1	3471.6	3516.5	3467.6	3488.0
7.5°	3618.5	3581.9	3573.6	3537.0	3557.4	3561.4	3512.5	3483.9	3528.8	3471.6	3492.1
10°	3630.8	3590.0	3585.9	3549.1	3565.5	3569.6	3512.5	3488.0	3524.8	3463.5	3475.8
12.5°	3659.4	3614.5	3614.5	3577.8	3590.0	3590.0	3532.9	3500.2	3532.9	3471.6	3479.9
15°	3692.0	3643.0	3643.0	3606.2	3614.5	3618.5	3549.1	3516.5	3545.1	3479.9	3488.0
17.5°	3692.0	3638.9	3638.9	3606.2	3610.4	3606.2	3541.0	3504.2	3524.8	3455.4	3459.4
20°	3634.9	3581.9	3590.0	3553.2	3557.4	3553.2	3483.9	3447.2	3467.6	3394.1	3402.4
22.5°	3541.0	3492.1	3500.2	3467.6	3467.6	3463.5	3398.2	3361.5	3381.9	3308.5	3312.6
25°	3422.8	3373.8	3381.9	3349.2	3353.4	3353.4	3288.1	3247.2	3267.8	3202.4	3202.4
27.5°	3267.8	3218.8	3231.0	3210.6	3198.4	3202.4	3145.2	3104.5	3124.9	3063.8	3063.8
30°	3067.8	3027.0	3039.2	3022.9	3010.6	3010.6	2961.8	2920.9	2941.4	2888.2	2884.2
32.5°	2831.1	2798.5	2810.8	2798.5	2786.2	2798.5	2745.5	2704.8	2725.1	2684.4	2688.4
35°	2574.1	2541.5	2549.8	2537.5	2529.2	2537.5	2484.4	2455.9	2476.2	2435.5	2451.8
37.5°	2288.6	2231.5	2256.0	2247.9	2239.6	2243.8	2194.8	2174.4	2198.9	2174.4	2186.6
40°	1954.1	1913.2	1929.6	1921.5	1913.2	1933.8	1897.0	1868.4	1888.9	1872.5	1897.0
42.5°	1591.0	1558.4	1578.8	1574.8	1562.5	1586.9	1558.4	1538.0	1570.6	1562.5	1582.9
45°	1223.9	1199.4	1215.8	1215.8	1211.6	1232.0	1203.5	1207.5	1240.1	1252.4	1276.9
47.5°	885.2	848.5	869.0	881.1	881.1	901.6	885.2	901.6	938.2	962.8	983.1
50°	603.8	595.6	599.8	603.8	611.9	628.2	624.1	648.6	673.1	713.9	738.4
52.5°	399.8	391.6	399.8	403.9	412.0	428.4	428.4	456.9	485.5	522.1	550.8
55°	248.9	244.8	248.9	252.9	261.1	277.4	281.5	310.0	338.6	375.4	399.8
57.5°	142.8	146.9	146.9	155.0	159.1	171.4	183.6	199.9	232.5	269.2	293.8
60°	81.6	81.6	85.6	89.8	93.9	106.1	114.2	130.5	155.0	191.8	208.0
62.5°	53.0	53.0	57.1	57.1	61.2	69.4	77.5	93.9	114.2	142.8	159.1
65°	44.9	44.9	44.9	49.0	49.0	57.1	65.2	77.5	93.9	114.2	130.5
67.5°	36.8	36.8	36.8	40.8	40.8	44.9	53.0	61.2	73.4	89.8	102.0
70°	28.5	28.5	28.5	32.6	32.6	36.8	40.8	44.9	57.1	69.4	77.5
72.5°	20.4	20.4	24.5	24.5	24.5	28.5	32.6	36.8	44.9	53.0	57.1
75°	16.4	16.4	16.4	16.4	20.4	20.4	24.5	28.5	32.6	36.8	40.8
77.5°	8.1	8.1	12.2	12.2	12.2	16.4	16.4	20.4	24.5	28.5	28.5
80°	8.1	8.1	8.1	8.1	8.1	12.2	12.2	12.2	16.4	20.4	20.4
82.5°	4.1	4.1	4.1	4.1	4.1	8.1	8.1	8.1	12.2	12.2	12.2
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.1	8.1	8.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.1	4.1	4.1	4.1
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: P212854

CATALOG NUMBER: LE\_6B60D010R EC6B60709027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2	3504.2
2.5°	3451.2	3463.5	3463.5	3451.2	3418.6	3447.2	3475.8	3447.2	3483.9	3418.6	3418.6
5°	3451.2	3459.4	3455.4	3439.0	3406.4	3430.9	3451.2	3422.8	3451.2	3390.1	3386.0
7.5°	3459.4	3451.2	3443.1	3422.8	3381.9	3398.2	3418.6	3386.0	3414.5	3349.2	3341.1
10°	3443.1	3430.9	3414.5	3386.0	3341.1	3353.4	3365.6	3337.0	3357.5	3292.1	3288.1
12.5°	3443.1	3422.8	3398.2	3365.6	3316.6	3324.8	3337.0	3300.4	3316.6	3255.5	3247.2
15°	3451.2	3414.5	3386.0	3349.2	3296.2	3300.4	3308.5	3267.8	3284.0	3218.8	3214.6
17.5°	3422.8	3381.9	3353.4	3308.5	3251.4	3255.5	3255.5	3214.6	3226.9	3161.6	3157.5
20°	3361.5	3312.6	3279.9	3239.1	3178.0	3178.0	3178.0	3137.1	3145.2	3088.2	3080.0
22.5°	3275.9	3222.9	3190.1	3149.4	3092.2	3088.2	3084.1	3051.5	3051.5	2998.5	2986.2
25°	3161.6	3112.6	3080.0	3043.4	2986.2	2978.0	2978.0	2949.5	2945.4	2896.5	2888.2
27.5°	3031.1	2974.0	2945.4	2912.8	2859.8	2851.6	2847.5	2831.1	2823.0	2770.0	2765.9
30°	2855.6	2806.8	2782.2	2753.6	2704.8	2696.6	2692.5	2676.1	2672.1	2619.0	2619.0
32.5°	2668.0	2606.9	2590.5	2562.0	2525.2	2521.1	2525.2	2504.9	2488.5	2451.8	2443.6
35°	2443.6	2382.5	2370.2	2358.0	2329.4	2321.2	2317.1	2313.1	2292.8	2268.2	2256.0
37.5°	2182.5	2129.5	2129.5	2125.4	2105.0	2105.0	2105.0	2096.9	2076.5	2068.4	2043.9
40°	1901.0	1860.2	1864.4	1868.4	1860.2	1864.4	1868.4	1860.2	1844.0	1835.8	1815.4
42.5°	1599.1	1578.8	1595.1	1607.4	1607.4	1619.6	1627.8	1627.8	1607.4	1603.2	1586.9
45°	1297.2	1293.2	1325.9	1350.4	1358.5	1378.9	1391.1	1383.0	1383.0	1383.0	1366.6
47.5°	1015.8	1032.1	1060.6	1109.6	1126.0	1150.4	1158.6	1170.9	1166.8	1170.9	1158.6
50°	771.0	807.8	844.5	893.4	917.9	946.5	958.6	975.0	975.0	979.1	970.9
52.5°	583.4	611.9	673.1	705.8	734.4	762.9	779.2	795.5	799.6	799.6	791.4
55°	432.4	473.2	514.0	558.9	583.4	611.9	624.1	640.5	640.5	648.6	640.5
57.5°	314.1	354.9	399.8	432.4	461.0	481.4	493.6	505.9	514.0	514.0	510.0
60°	232.5	265.1	301.9	334.5	359.0	379.4	387.5	399.8	403.9	403.9	395.8
62.5°	175.4	208.0	240.8	269.2	285.6	301.9	310.0	318.2	318.2	318.2	314.1
65°	142.8	167.2	191.8	216.2	232.5	244.8	248.9	257.0	252.9	257.0	252.9
67.5°	114.2	130.5	151.0	167.2	179.5	187.6	191.8	199.9	195.9	199.9	195.9
70°	85.6	102.0	114.2	126.5	134.6	142.8	146.9	151.0	146.9	151.0	146.9
72.5°	65.2	73.4	85.6	97.9	102.0	106.1	110.1	110.1	110.1	114.2	110.1
75°	44.9	53.0	61.2	65.2	73.4	77.5	77.5	81.6	81.6	81.6	81.6
77.5°	32.6	36.8	40.8	44.9	49.0	53.0	53.0	57.1	57.1	57.1	57.1
80°	20.4	24.5	24.5	28.5	32.6	32.6	36.8	36.8	36.8	36.8	36.8
82.5°	12.2	16.4	16.4	20.4	20.4	20.4	24.5	24.5	24.5	24.5	24.5
85°	8.1	8.1	8.1	12.2	12.2	12.2	12.2	12.2	12.2	12.2	12.2
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.1	8.1	4.1	4.1
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: P212854

CATALOG NUMBER: LE\_6B60D010R EC6B60709027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	3504.2	3504.2	3504.2	3504.2
2.5°	3451.2	3430.9	3463.5	3414.5
5°	3414.5	3394.1	3435.0	3373.8
7.5°	3369.6	3349.2	3386.0	3324.8
10°	3312.6	3292.1	3324.8	3259.5
12.5°	3263.6	3243.2	3279.9	3218.8
15°	3226.9	3206.5	3239.1	3182.0
17.5°	3169.8	3145.2	3182.0	3120.9
20°	3088.2	3071.9	3100.4	3039.2
22.5°	2994.4	2978.0	3010.6	2949.5
25°	2896.5	2876.0	2908.8	2847.5
27.5°	2770.0	2753.6	2786.2	2725.1
30°	2619.0	2602.8	2635.4	2578.2
32.5°	2447.8	2431.4	2455.9	2406.9
35°	2251.9	2239.6	2264.1	2211.1
37.5°	2039.8	2027.5	2052.0	1999.0
40°	1811.2	1799.1	1819.5	1795.0
42.5°	1586.9	1574.8	1595.1	1574.8
45°	1366.6	1358.5	1378.9	1358.5
47.5°	1162.6	1154.5	1174.9	1154.5
50°	966.9	970.9	979.1	970.9
52.5°	791.4	791.4	803.6	791.4
55°	640.5	644.6	648.6	640.5
57.5°	510.0	510.0	514.0	510.0
60°	395.8	399.8	399.8	395.8
62.5°	314.1	314.1	314.1	314.1
65°	248.9	248.9	252.9	248.9
67.5°	195.9	191.8	195.9	191.8
70°	146.9	146.9	146.9	146.9
72.5°	114.2	114.2	110.1	110.1
75°	81.6	85.6	81.6	81.6
77.5°	57.1	57.1	57.1	57.1
80°	36.8	36.8	36.8	36.8
82.5°	24.5	24.5	24.5	24.5
85°	16.4	12.2	12.2	12.2
87.5°	8.1	4.1	4.1	4.1
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)