

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: P212839

Luminaire Tested: **LE\_6B50D010R EC6B30508050 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212839  
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 EC6B30508050 6LBSWLI1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6609.2 lumens  
Efficiency: N/A  
Efficacy: 112.4 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

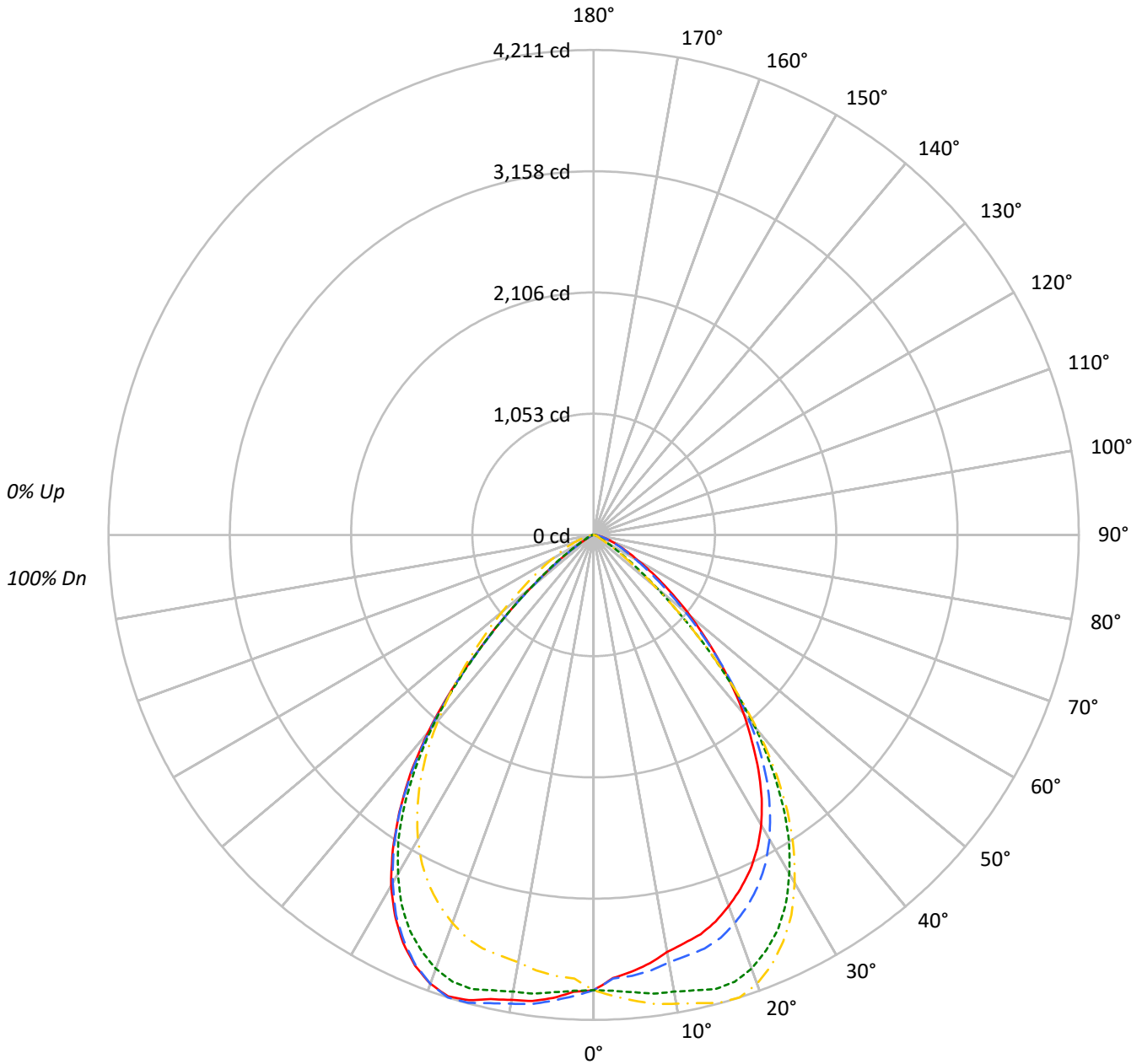
Input Watts (W): 58.8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	216710	216710	216710	216710
5°	209432	219304	222094	219304
10°	204683	224155	228252	224155
15°	203719	231664	237408	231664
20°	200013	233832	241894	233832
25°	194291	228812	236602	228812
30°	184104	214982	222560	214982
35°	166920	191561	196794	191561
40°	144907	156107	160050	156107
45°	118811	107748	108461	107748
50°	93404	60450	59265	60450
55°	69054	29906	26838	29906
60°	48943	13113	9583	13113
65°	36424	8354	5967	8354
70°	26543	6636	4424	6636
75°	19486	4872	2923	4872
80°	13070	4357	1452	4357
85°	8680	2893	2893	2893



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	378.4	5.7
10°-20°	1120.8	17.0
20°-30°	1672.6	25.3
30°-40°	1718.5	26.0
40°-50°	1112.8	16.8
50°-60°	413.8	6.3
60°-70°	135.8	2.1
70°-80°	47.9	0.7
80°-90°	8.6	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°	3171.9	48.0
0°-40°	4890.3	74.0
0°-60°	6417.0	97.1
0°-90°	6609.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6609.2	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3953	3953	3953	3953	3953	
5°	3806	3985	4036	3985	3806	360
15°	3590	4082	4183	4082	3590	1010
25°	3212	3783	3912	3783	3212	1472
35°	2494	2862	2941	2862	2494	1549
45°	1532	1390	1399	1390	1532	1185
55°	722	313	281	313	722	659
65°	281	64	46	64	281	285
75°	92	23	14	23	92	101
85°	14	5	5	5	14	18
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°	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1
2.5°	3851.9	3907.0	3870.2	3893.2	3856.4	3856.4	3930.0	3888.6	3920.9	3888.6	3856.4
5°	3805.8	3874.9	3828.9	3851.9	3819.6	3824.2	3893.2	3861.0	3893.2	3870.2	3842.6
7.5°	3750.6	3819.6	3778.2	3801.2	3769.0	3778.2	3851.9	3819.6	3856.4	3833.4	3815.0
10°	3677.0	3750.6	3713.8	3736.8	3709.1	3713.8	3787.4	3764.4	3796.6	3782.8	3769.0
12.5°	3630.9	3700.0	3658.5	3681.5	3663.1	3672.4	3741.4	3723.0	3764.4	3750.6	3741.4
15°	3589.5	3654.0	3617.1	3640.1	3626.4	3630.9	3704.5	3686.1	3732.1	3723.0	3718.4
17.5°	3520.5	3589.5	3548.1	3575.8	3561.9	3566.5	3640.1	3626.4	3672.4	3672.4	3667.8
20°	3428.5	3497.5	3465.2	3483.6	3474.5	3483.6	3548.1	3538.9	3584.9	3584.9	3584.9
22.5°	3327.2	3396.2	3359.4	3377.9	3368.6	3382.4	3442.2	3442.2	3479.1	3483.6	3488.2
25°	3212.1	3281.1	3244.4	3267.4	3258.1	3267.4	3322.6	3327.2	3359.4	3359.4	3368.6
27.5°	3074.1	3143.1	3106.2	3124.8	3120.1	3124.8	3184.5	3193.8	3212.1	3216.8	3226.0
30°	2908.4	2972.9	2936.0	2954.5	2954.5	2954.5	3014.2	3018.9	3037.2	3041.9	3051.1
32.5°	2715.1	2770.4	2742.8	2761.1	2756.5	2765.8	2807.1	2825.6	2848.6	2844.0	2848.6
35°	2494.2	2554.1	2526.5	2540.2	2544.9	2558.6	2586.2	2609.2	2613.9	2618.5	2627.8
37.5°	2255.0	2314.8	2287.1	2301.0	2305.6	2333.1	2342.4	2365.4	2374.6	2374.6	2374.6
40°	2024.9	2052.5	2029.5	2043.2	2047.9	2070.9	2080.1	2098.5	2107.8	2103.1	2098.5
42.5°	1776.4	1799.4	1776.4	1790.1	1790.1	1808.5	1813.1	1836.1	1836.1	1827.0	1813.1
45°	1532.5	1555.5	1532.5	1541.6	1541.6	1560.0	1560.0	1560.0	1569.2	1555.5	1532.5
47.5°	1302.4	1325.4	1302.4	1311.5	1307.0	1320.8	1316.1	1320.8	1307.0	1297.8	1270.1
50°	1095.2	1104.5	1095.2	1090.6	1095.2	1104.5	1099.9	1099.9	1081.5	1067.6	1035.4
52.5°	892.8	906.6	892.8	892.8	892.8	902.0	902.0	897.4	879.0	860.6	828.4
55°	722.5	731.8	727.1	722.5	722.5	731.8	722.5	722.5	704.1	690.2	658.1
57.5°	575.2	579.9	575.2	575.2	575.2	579.9	579.9	570.6	556.9	543.0	520.0
60°	446.4	451.0	451.0	446.4	446.4	455.6	455.6	451.0	437.1	428.0	405.0
62.5°	354.4	354.4	354.4	354.4	354.4	359.0	359.0	359.0	349.8	340.5	322.1
65°	280.8	285.4	280.8	280.8	285.4	289.9	285.4	289.9	280.8	276.1	262.2
67.5°	216.2	220.9	216.2	220.9	220.9	225.5	220.9	225.5	216.2	211.8	202.5
70°	165.6	165.6	165.6	165.6	165.6	170.2	165.6	170.2	165.6	161.1	151.9
72.5°	124.2	124.2	128.9	128.9	124.2	128.9	124.2	124.2	124.2	119.6	115.0
75°	92.0	92.0	96.6	92.0	92.0	92.0	92.0	92.0	87.4	87.4	82.9
77.5°	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	59.9	59.9	55.2
80°	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	36.9	36.9
82.5°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	23.0	23.0
85°	13.8	13.8	13.8	18.4	13.8	13.8	13.8	13.8	13.8	13.8	13.8
87.5°	4.6	4.6	4.6	9.2	4.6	4.6	9.2	9.2	4.6	4.6	4.6
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°	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1
2.5°	3893.2	3907.0	3907.0	3893.2	3925.5	3897.9	3953.1	3902.5	3916.2	3962.2	3957.6
5°	3879.4	3897.9	3902.5	3893.2	3934.6	3911.6	3966.9	3916.2	3939.2	3985.2	3985.2
7.5°	3861.0	3884.0	3893.2	3902.5	3939.2	3916.2	3980.6	3930.0	3962.2	4017.5	4012.9
10°	3819.6	3851.9	3870.2	3884.0	3920.9	3907.0	3976.1	3934.6	3962.2	4026.8	4022.1
12.5°	3796.6	3833.4	3861.0	3884.0	3925.5	3916.2	3985.2	3948.5	3985.2	4049.8	4049.8
15°	3778.2	3819.6	3851.9	3893.2	3934.6	3925.5	3999.1	3966.9	4003.6	4081.9	4077.4
17.5°	3732.1	3782.8	3815.0	3861.0	3902.5	3897.9	3976.1	3953.1	3994.5	4068.1	4072.8
20°	3654.0	3700.0	3736.8	3792.0	3838.0	3828.9	3911.6	3888.6	3930.0	4008.2	4012.9
22.5°	3552.8	3598.8	3635.5	3695.4	3736.8	3732.1	3815.0	3792.0	3833.4	3907.0	3911.6
25°	3433.0	3474.5	3511.2	3566.5	3612.5	3612.5	3686.1	3663.1	3709.1	3782.8	3782.8
27.5°	3285.8	3322.6	3354.9	3419.2	3456.0	3456.0	3525.1	3502.1	3548.1	3612.5	3607.9
30°	3106.2	3138.5	3166.1	3221.4	3253.6	3258.1	3318.0	3295.0	3341.0	3396.2	3396.2
32.5°	2890.0	2922.2	2940.6	3009.6	3032.6	3028.1	3074.1	3051.1	3097.1	3156.9	3143.1
35°	2659.9	2673.8	2687.5	2756.5	2765.8	2747.4	2793.4	2770.4	2802.6	2862.4	2853.2
37.5°	2397.6	2402.2	2402.2	2462.0	2466.6	2452.9	2480.5	2452.9	2475.9	2531.1	2526.5
40°	2107.8	2103.1	2098.5	2144.5	2139.9	2112.2	2130.8	2107.8	2139.9	2181.4	2158.2
42.5°	1813.1	1799.4	1781.0	1804.0	1785.5	1762.5	1771.8	1734.9	1758.0	1790.1	1762.5
45°	1523.2	1495.6	1458.9	1463.4	1440.4	1412.8	1399.0	1362.1	1357.6	1389.8	1366.8
47.5°	1251.8	1196.5	1164.2	1145.9	1109.1	1086.0	1058.5	1017.0	998.6	1017.0	994.0
50°	1007.9	952.6	911.1	869.8	833.0	805.4	759.4	731.8	704.1	708.8	690.2
52.5°	796.1	759.4	690.2	658.1	621.2	589.0	547.6	515.4	483.2	483.2	464.8
55°	630.5	579.9	533.9	487.8	451.0	423.4	382.0	349.8	317.5	312.9	294.5
57.5°	487.8	451.0	400.4	354.4	331.4	303.8	262.2	225.5	207.1	193.2	179.5
60°	377.4	340.5	299.1	262.2	234.8	216.2	174.9	147.2	128.9	119.6	105.9
62.5°	303.8	271.5	234.8	197.9	179.5	161.1	128.9	105.9	87.4	78.2	69.0
65°	243.9	216.2	188.6	161.1	147.2	128.9	105.9	87.4	73.6	64.4	55.2
67.5°	188.6	170.2	147.2	128.9	115.0	101.2	82.9	69.0	59.9	50.6	46.0
70°	142.6	128.9	115.0	96.6	87.4	78.2	64.4	50.6	46.0	41.4	36.9
72.5°	110.5	96.6	82.9	73.6	64.4	59.9	50.6	41.4	36.9	32.2	27.6
75°	73.6	69.0	59.9	50.6	46.0	41.4	36.9	32.2	27.6	23.0	23.0
77.5°	50.6	46.0	41.4	36.9	32.2	32.2	27.6	23.0	18.4	18.4	13.8
80°	32.2	27.6	27.6	23.0	23.0	23.0	18.4	13.8	13.8	13.8	9.2
82.5°	23.0	18.4	18.4	13.8	13.8	13.8	13.8	9.2	9.2	9.2	4.6
85°	13.8	9.2	9.2	9.2	9.2	9.2	9.2	4.6	4.6	4.6	4.6
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1
2.5°	3920.9	3962.2	3962.2	3999.1	4003.6	3994.5	3953.1	3953.1	4008.2	4040.5	3985.2
5°	3957.6	3999.1	3999.1	4035.9	4054.2	4040.5	3999.1	4003.6	4058.9	4095.8	4040.5
7.5°	3989.9	4031.2	4040.5	4081.9	4095.8	4081.9	4040.5	4049.8	4109.5	4141.8	4086.5
10°	4003.6	4045.1	4049.8	4095.8	4114.1	4095.8	4063.5	4068.1	4132.5	4155.5	4104.9
12.5°	4035.9	4077.4	4077.4	4128.0	4146.4	4132.5	4091.1	4100.4	4164.8	4187.8	4137.1
15°	4068.1	4109.5	4109.5	4164.8	4187.8	4169.4	4137.1	4141.8	4206.1	4229.1	4187.8
17.5°	4068.1	4104.9	4104.9	4164.8	4187.8	4174.0	4137.1	4141.8	4210.8	4229.1	4187.8
20°	4008.2	4049.8	4040.5	4100.4	4123.4	4109.5	4077.4	4077.4	4146.4	4164.8	4123.4
22.5°	3911.6	3948.5	3939.2	3994.5	4022.1	4003.6	3976.1	3971.5	4040.5	4058.9	4017.5
25°	3778.2	3815.0	3805.8	3861.0	3888.6	3865.6	3833.4	3838.0	3893.2	3920.9	3884.0
27.5°	3621.8	3644.8	3630.9	3686.1	3713.8	3690.8	3658.5	3663.1	3718.4	3736.8	3709.1
30°	3410.0	3428.5	3414.6	3460.6	3479.1	3465.2	3437.6	3437.6	3488.2	3511.2	3483.6
32.5°	3156.9	3170.8	3156.9	3193.8	3230.5	3203.0	3175.4	3175.4	3230.5	3249.0	3216.8
35°	2862.4	2876.2	2867.0	2903.9	2931.4	2894.6	2871.6	2862.4	2936.0	2926.9	2908.4
37.5°	2535.6	2544.9	2517.2	2581.8	2595.5	2554.1	2535.6	2526.5	2590.9	2586.2	2567.9
40°	2167.5	2176.8	2158.2	2204.4	2208.9	2176.8	2162.9	2149.1	2213.5	2208.9	2195.1
42.5°	1776.4	1781.0	1758.0	1794.8	1804.0	1771.8	1767.1	1748.8	1808.5	1799.4	1794.8
45°	1371.4	1371.4	1353.0	1380.6	1389.8	1362.1	1353.0	1348.4	1389.8	1389.8	1380.6
47.5°	994.0	980.2	957.2	998.6	1003.2	984.9	980.2	966.4	1007.9	1007.9	998.6
50°	681.1	676.5	671.9	681.1	685.8	662.6	676.5	662.6	685.8	685.8	685.8
52.5°	455.6	451.0	441.8	451.0	451.0	437.1	437.1	432.6	451.0	451.0	441.8
55°	285.4	280.8	276.1	280.8	280.8	266.9	276.1	266.9	276.1	276.1	271.5
57.5°	174.9	165.6	165.6	161.1	161.1	151.9	156.5	156.5	156.5	156.5	156.5
60°	101.2	96.6	92.0	92.0	92.0	87.4	87.4	87.4	87.4	87.4	87.4
62.5°	64.4	64.4	59.9	59.9	59.9	59.9	59.9	55.2	59.9	59.9	59.9
65°	55.2	50.6	50.6	50.6	50.6	46.0	46.0	46.0	46.0	46.0	46.0
67.5°	46.0	41.4	41.4	41.4	41.4	36.9	36.9	36.9	36.9	36.9	36.9
70°	36.9	32.2	32.2	32.2	32.2	32.2	27.6	32.2	32.2	27.6	27.6
72.5°	27.6	27.6	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
75°	18.4	18.4	18.4	18.4	18.4	13.8	13.8	13.8	13.8	13.8	13.8
77.5°	13.8	13.8	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
80°	9.2	9.2	9.2	9.2	9.2	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	4.6	4.6	4.6	4.6	4.6	0.0	4.6	0.0	4.6	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





TEST NUMBER: P212839

CATALOG NUMBER: LE\_6B50D010R EC6B30508050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1
2.5°	4049.8	4003.6	3980.6	4026.8	4045.1	4022.1	4003.6	3971.5	4003.6	4022.1	4045.1
5°	4104.9	4063.5	4045.1	4077.4	4104.9	4081.9	4068.1	4035.9	4068.1	4081.9	4104.9
7.5°	4155.5	4114.1	4091.1	4123.4	4155.5	4123.4	4109.5	4081.9	4109.5	4123.4	4155.5
10°	4174.0	4128.0	4109.5	4137.1	4169.4	4137.1	4118.8	4100.4	4118.8	4137.1	4169.4
12.5°	4206.1	4160.1	4137.1	4160.1	4192.4	4160.1	4141.8	4128.0	4141.8	4160.1	4192.4
15°	4252.2	4210.8	4183.1	4206.1	4247.6	4210.8	4187.8	4183.1	4187.8	4210.8	4247.6
17.5°	4252.2	4220.0	4192.4	4210.8	4252.2	4224.6	4192.4	4201.6	4192.4	4224.6	4252.2
20°	4192.4	4160.1	4137.1	4137.1	4197.0	4160.1	4132.5	4146.4	4132.5	4160.1	4197.0
22.5°	4086.5	4058.9	4035.9	4031.2	4091.1	4058.9	4022.1	4049.8	4022.1	4058.9	4091.1
25°	3948.5	3920.9	3902.5	3893.2	3953.1	3916.2	3884.0	3911.6	3884.0	3916.2	3953.1
27.5°	3769.0	3746.0	3727.6	3713.8	3769.0	3736.8	3704.5	3732.1	3704.5	3736.8	3769.0
30°	3538.9	3525.1	3506.6	3488.2	3543.5	3511.2	3479.1	3515.9	3479.1	3511.2	3543.5
32.5°	3272.0	3262.8	3239.8	3221.4	3276.6	3239.8	3216.8	3244.4	3216.8	3239.8	3276.6
35°	2963.6	2949.9	2936.0	2903.9	2963.6	2931.4	2931.4	2940.6	2931.4	2931.4	2963.6
37.5°	2618.5	2609.2	2590.9	2563.2	2613.9	2590.9	2581.8	2609.2	2581.8	2590.9	2613.9
40°	2232.0	2227.4	2213.5	2181.4	2236.5	2213.5	2199.8	2236.5	2199.8	2213.5	2236.5
42.5°	1827.0	1817.8	1804.0	1799.4	1827.0	1808.5	1822.4	1822.4	1822.4	1808.5	1827.0
45°	1408.2	1399.0	1389.8	1371.4	1403.6	1394.4	1389.8	1399.0	1389.8	1394.4	1403.6
47.5°	1021.6	1012.4	1003.2	989.4	1021.6	1007.9	1007.9	1017.0	1007.9	1007.9	1021.6
50°	685.8	690.2	685.8	676.5	685.8	681.1	685.8	694.9	685.8	681.1	685.8
52.5°	455.6	455.6	446.4	441.8	451.0	446.4	460.2	451.0	460.2	446.4	451.0
55°	276.1	280.8	276.1	271.5	276.1	271.5	285.4	280.8	285.4	271.5	276.1
57.5°	156.5	156.5	161.1	156.5	165.6	161.1	161.1	161.1	161.1	161.1	165.6
60°	87.4	87.4	87.4	87.4	87.4	87.4	92.0	87.4	92.0	87.4	87.4
62.5°	59.9	59.9	59.9	55.2	59.9	55.2	59.9	59.9	59.9	55.2	59.9
65°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
67.5°	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
70°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
72.5°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
75°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
77.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212839

CATALOG NUMBER: LE\_6B50D010R EC6B30508050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1
2.5°	4026.8	3980.6	4003.6	4049.8	3985.2	4040.5	4008.2	3953.1	3953.1	3994.5	4003.6
5°	4077.4	4045.1	4063.5	4104.9	4040.5	4095.8	4058.9	4003.6	3999.1	4040.5	4054.2
7.5°	4123.4	4091.1	4114.1	4155.5	4086.5	4141.8	4109.5	4049.8	4040.5	4081.9	4095.8
10°	4137.1	4109.5	4128.0	4174.0	4104.9	4155.5	4132.5	4068.1	4063.5	4095.8	4114.1
12.5°	4160.1	4137.1	4160.1	4206.1	4137.1	4187.8	4164.8	4100.4	4091.1	4132.5	4146.4
15°	4206.1	4183.1	4210.8	4252.2	4187.8	4229.1	4206.1	4141.8	4137.1	4169.4	4187.8
17.5°	4210.8	4192.4	4220.0	4252.2	4187.8	4229.1	4210.8	4141.8	4137.1	4174.0	4187.8
20°	4137.1	4137.1	4160.1	4192.4	4123.4	4164.8	4146.4	4077.4	4077.4	4109.5	4123.4
22.5°	4031.2	4035.9	4058.9	4086.5	4017.5	4058.9	4040.5	3971.5	3976.1	4003.6	4022.1
25°	3893.2	3902.5	3920.9	3948.5	3884.0	3920.9	3893.2	3838.0	3833.4	3865.6	3888.6
27.5°	3713.8	3727.6	3746.0	3769.0	3709.1	3736.8	3718.4	3663.1	3658.5	3690.8	3713.8
30°	3488.2	3506.6	3525.1	3538.9	3483.6	3511.2	3488.2	3437.6	3437.6	3465.2	3479.1
32.5°	3221.4	3239.8	3262.8	3272.0	3216.8	3249.0	3230.5	3175.4	3175.4	3203.0	3230.5
35°	2903.9	2936.0	2949.9	2963.6	2908.4	2926.9	2936.0	2862.4	2871.6	2894.6	2931.4
37.5°	2563.2	2590.9	2609.2	2618.5	2567.9	2586.2	2590.9	2526.5	2535.6	2554.1	2595.5
40°	2181.4	2213.5	2227.4	2232.0	2195.1	2208.9	2213.5	2149.1	2162.9	2176.8	2208.9
42.5°	1799.4	1804.0	1817.8	1827.0	1794.8	1799.4	1808.5	1748.8	1767.1	1771.8	1804.0
45°	1371.4	1389.8	1399.0	1408.2	1380.6	1389.8	1389.8	1348.4	1353.0	1362.1	1389.8
47.5°	989.4	1003.2	1012.4	1021.6	998.6	1007.9	1007.9	966.4	980.2	984.9	1003.2
50°	676.5	685.8	690.2	685.8	685.8	685.8	685.8	662.6	676.5	662.6	685.8
52.5°	441.8	446.4	455.6	455.6	441.8	451.0	451.0	432.6	437.1	437.1	451.0
55°	271.5	276.1	280.8	276.1	271.5	276.1	276.1	266.9	276.1	266.9	280.8
57.5°	156.5	161.1	156.5	156.5	156.5	156.5	156.5	156.5	156.5	151.9	161.1
60°	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	92.0
62.5°	55.2	59.9	59.9	59.9	59.9	59.9	59.9	55.2	59.9	59.9	59.9
65°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	50.6
67.5°	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	41.4
70°	27.6	27.6	27.6	27.6	27.6	27.6	32.2	32.2	27.6	32.2	32.2
72.5°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
75°	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8	18.4
77.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	9.2
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	4.6	0.0	4.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212839

CATALOG NUMBER: LE\_6B50D010R EC6B30508050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1
2.5°	3999.1	3962.2	3962.2	3920.9	3957.6	3962.2	3916.2	3902.5	3953.1	3897.9	3925.5
5°	4035.9	3999.1	3999.1	3957.6	3985.2	3985.2	3939.2	3916.2	3966.9	3911.6	3934.6
7.5°	4081.9	4040.5	4031.2	3989.9	4012.9	4017.5	3962.2	3930.0	3980.6	3916.2	3939.2
10°	4095.8	4049.8	4045.1	4003.6	4022.1	4026.8	3962.2	3934.6	3976.1	3907.0	3920.9
12.5°	4128.0	4077.4	4077.4	4035.9	4049.8	4049.8	3985.2	3948.5	3985.2	3916.2	3925.5
15°	4164.8	4109.5	4109.5	4068.1	4077.4	4081.9	4003.6	3966.9	3999.1	3925.5	3934.6
17.5°	4164.8	4104.9	4104.9	4068.1	4072.8	4068.1	3994.5	3953.1	3976.1	3897.9	3902.5
20°	4100.4	4040.5	4049.8	4008.2	4012.9	4008.2	3930.0	3888.6	3911.6	3828.9	3838.0
22.5°	3994.5	3939.2	3948.5	3911.6	3911.6	3907.0	3833.4	3792.0	3815.0	3732.1	3736.8
25°	3861.0	3805.8	3815.0	3778.2	3782.8	3782.8	3709.1	3663.1	3686.1	3612.5	3612.5
27.5°	3686.1	3630.9	3644.8	3621.8	3607.9	3612.5	3548.1	3502.1	3525.1	3456.0	3456.0
30°	3460.6	3414.6	3428.5	3410.0	3396.2	3396.2	3341.0	3295.0	3318.0	3258.1	3253.6
32.5°	3193.8	3156.9	3170.8	3156.9	3143.1	3156.9	3097.1	3051.1	3074.1	3028.1	3032.6
35°	2903.9	2867.0	2876.2	2862.4	2853.2	2862.4	2802.6	2770.4	2793.4	2747.4	2765.8
37.5°	2581.8	2517.2	2544.9	2535.6	2526.5	2531.1	2475.9	2452.9	2480.5	2452.9	2466.6
40°	2204.4	2158.2	2176.8	2167.5	2158.2	2181.4	2139.9	2107.8	2130.8	2112.2	2139.9
42.5°	1794.8	1758.0	1781.0	1776.4	1762.5	1790.1	1758.0	1734.9	1771.8	1762.5	1785.5
45°	1380.6	1353.0	1371.4	1371.4	1366.8	1389.8	1357.6	1362.1	1399.0	1412.8	1440.4
47.5°	998.6	957.2	980.2	994.0	994.0	1017.0	998.6	1017.0	1058.5	1086.0	1109.1
50°	681.1	671.9	676.5	681.1	690.2	708.8	704.1	731.8	759.4	805.4	833.0
52.5°	451.0	441.8	451.0	455.6	464.8	483.2	483.2	515.4	547.6	589.0	621.2
55°	280.8	276.1	280.8	285.4	294.5	312.9	317.5	349.8	382.0	423.4	451.0
57.5°	161.1	165.6	165.6	174.9	179.5	193.2	207.1	225.5	262.2	303.8	331.4
60°	92.0	92.0	96.6	101.2	105.9	119.6	128.9	147.2	174.9	216.2	234.8
62.5°	59.9	59.9	64.4	64.4	69.0	78.2	87.4	105.9	128.9	161.1	179.5
65°	50.6	50.6	50.6	55.2	55.2	64.4	73.6	87.4	105.9	128.9	147.2
67.5°	41.4	41.4	41.4	46.0	46.0	50.6	59.9	69.0	82.9	101.2	115.0
70°	32.2	32.2	32.2	36.9	36.9	41.4	46.0	50.6	64.4	78.2	87.4
72.5°	23.0	23.0	27.6	27.6	27.6	32.2	36.9	41.4	50.6	59.9	64.4
75°	18.4	18.4	18.4	18.4	23.0	23.0	27.6	32.2	36.9	41.4	46.0
77.5°	9.2	9.2	13.8	13.8	13.8	18.4	18.4	23.0	27.6	32.2	32.2
80°	9.2	9.2	9.2	9.2	9.2	13.8	13.8	13.8	18.4	23.0	23.0
82.5°	4.6	4.6	4.6	4.6	4.6	9.2	9.2	9.2	13.8	13.8	13.8
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	9.2	9.2	9.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.6	4.6	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212839

CATALOG NUMBER: LE\_6B50D010R EC6B30508050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1	3953.1
2.5°	3893.2	3907.0	3907.0	3893.2	3856.4	3888.6	3920.9	3888.6	3930.0	3856.4	3856.4
5°	3893.2	3902.5	3897.9	3879.4	3842.6	3870.2	3893.2	3861.0	3893.2	3824.2	3819.6
7.5°	3902.5	3893.2	3884.0	3861.0	3815.0	3833.4	3856.4	3819.6	3851.9	3778.2	3769.0
10°	3884.0	3870.2	3851.9	3819.6	3769.0	3782.8	3796.6	3764.4	3787.4	3713.8	3709.1
12.5°	3884.0	3861.0	3833.4	3796.6	3741.4	3750.6	3764.4	3723.0	3741.4	3672.4	3663.1
15°	3893.2	3851.9	3819.6	3778.2	3718.4	3723.0	3732.1	3686.1	3704.5	3630.9	3626.4
17.5°	3861.0	3815.0	3782.8	3732.1	3667.8	3672.4	3672.4	3626.4	3640.1	3566.5	3561.9
20°	3792.0	3736.8	3700.0	3654.0	3584.9	3584.9	3584.9	3538.9	3548.1	3483.6	3474.5
22.5°	3695.4	3635.5	3598.8	3552.8	3488.2	3483.6	3479.1	3442.2	3442.2	3382.4	3368.6
25°	3566.5	3511.2	3474.5	3433.0	3368.6	3359.4	3359.4	3327.2	3322.6	3267.4	3258.1
27.5°	3419.2	3354.9	3322.6	3285.8	3226.0	3216.8	3212.1	3193.8	3184.5	3124.8	3120.1
30°	3221.4	3166.1	3138.5	3106.2	3051.1	3041.9	3037.2	3018.9	3014.2	2954.5	2954.5
32.5°	3009.6	2940.6	2922.2	2890.0	2848.6	2844.0	2848.6	2825.6	2807.1	2765.8	2756.5
35°	2756.5	2687.5	2673.8	2659.9	2627.8	2618.5	2613.9	2609.2	2586.2	2558.6	2544.9
37.5°	2462.0	2402.2	2402.2	2397.6	2374.6	2374.6	2374.6	2365.4	2342.4	2333.1	2305.6
40°	2144.5	2098.5	2103.1	2107.8	2098.5	2103.1	2107.8	2098.5	2080.1	2070.9	2047.9
42.5°	1804.0	1781.0	1799.4	1813.1	1813.1	1827.0	1836.1	1836.1	1813.1	1808.5	1790.1
45°	1463.4	1458.9	1495.6	1523.2	1532.5	1555.5	1569.2	1560.0	1560.0	1560.0	1541.6
47.5°	1145.9	1164.2	1196.5	1251.8	1270.1	1297.8	1307.0	1320.8	1316.1	1320.8	1307.0
50°	869.8	911.1	952.6	1007.9	1035.4	1067.6	1081.5	1099.9	1099.9	1104.5	1095.2
52.5°	658.1	690.2	759.4	796.1	828.4	860.6	879.0	897.4	902.0	902.0	892.8
55°	487.8	533.9	579.9	630.5	658.1	690.2	704.1	722.5	722.5	731.8	722.5
57.5°	354.4	400.4	451.0	487.8	520.0	543.0	556.9	570.6	579.9	579.9	575.2
60°	262.2	299.1	340.5	377.4	405.0	428.0	437.1	451.0	455.6	455.6	446.4
62.5°	197.9	234.8	271.5	303.8	322.1	340.5	349.8	359.0	359.0	359.0	354.4
65°	161.1	188.6	216.2	243.9	262.2	276.1	280.8	289.9	285.4	289.9	285.4
67.5°	128.9	147.2	170.2	188.6	202.5	211.8	216.2	225.5	220.9	225.5	220.9
70°	96.6	115.0	128.9	142.6	151.9	161.1	165.6	170.2	165.6	170.2	165.6
72.5°	73.6	82.9	96.6	110.5	115.0	119.6	124.2	124.2	124.2	128.9	124.2
75°	50.6	59.9	69.0	73.6	82.9	87.4	87.4	92.0	92.0	92.0	92.0
77.5°	36.9	41.4	46.0	50.6	55.2	59.9	59.9	64.4	64.4	64.4	64.4
80°	23.0	27.6	27.6	32.2	36.9	36.9	41.4	41.4	41.4	41.4	41.4
82.5°	13.8	18.4	18.4	23.0	23.0	23.0	27.6	27.6	27.6	27.6	27.6
85°	9.2	9.2	9.2	13.8	13.8	13.8	13.8	13.8	13.8	13.8	13.8
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	9.2	9.2	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212839

CATALOG NUMBER: LE\_6B50D010R EC6B30508050 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	3953.1	3953.1	3953.1	3953.1
2.5°	3893.2	3870.2	3907.0	3851.9
5°	3851.9	3828.9	3874.9	3805.8
7.5°	3801.2	3778.2	3819.6	3750.6
10°	3736.8	3713.8	3750.6	3677.0
12.5°	3681.5	3658.5	3700.0	3630.9
15°	3640.1	3617.1	3654.0	3589.5
17.5°	3575.8	3548.1	3589.5	3520.5
20°	3483.6	3465.2	3497.5	3428.5
22.5°	3377.9	3359.4	3396.2	3327.2
25°	3267.4	3244.4	3281.1	3212.1
27.5°	3124.8	3106.2	3143.1	3074.1
30°	2954.5	2936.0	2972.9	2908.4
32.5°	2761.1	2742.8	2770.4	2715.1
35°	2540.2	2526.5	2554.1	2494.2
37.5°	2301.0	2287.1	2314.8	2255.0
40°	2043.2	2029.5	2052.5	2024.9
42.5°	1790.1	1776.4	1799.4	1776.4
45°	1541.6	1532.5	1555.5	1532.5
47.5°	1311.5	1302.4	1325.4	1302.4
50°	1090.6	1095.2	1104.5	1095.2
52.5°	892.8	892.8	906.6	892.8
55°	722.5	727.1	731.8	722.5
57.5°	575.2	575.2	579.9	575.2
60°	446.4	451.0	451.0	446.4
62.5°	354.4	354.4	354.4	354.4
65°	280.8	280.8	285.4	280.8
67.5°	220.9	216.2	220.9	216.2
70°	165.6	165.6	165.6	165.6
72.5°	128.9	128.9	124.2	124.2
75°	92.0	96.6	92.0	92.0
77.5°	64.4	64.4	64.4	64.4
80°	41.4	41.4	41.4	41.4
82.5°	27.6	27.6	27.6	27.6
85°	18.4	13.8	13.8	13.8
87.5°	9.2	4.6	4.6	4.6
90°	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





— 0°-180°    - - 45°-225°    - - - - 90°-270°    - · - · 135°-315°

























(END OF REPORT)