

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: P212857

Luminaire Tested: **LE_6B60D010R EC6B60709040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212857
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 EC6B60709040 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6189.4 lumens
Efficiency: N/A
Efficacy: 99.0 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

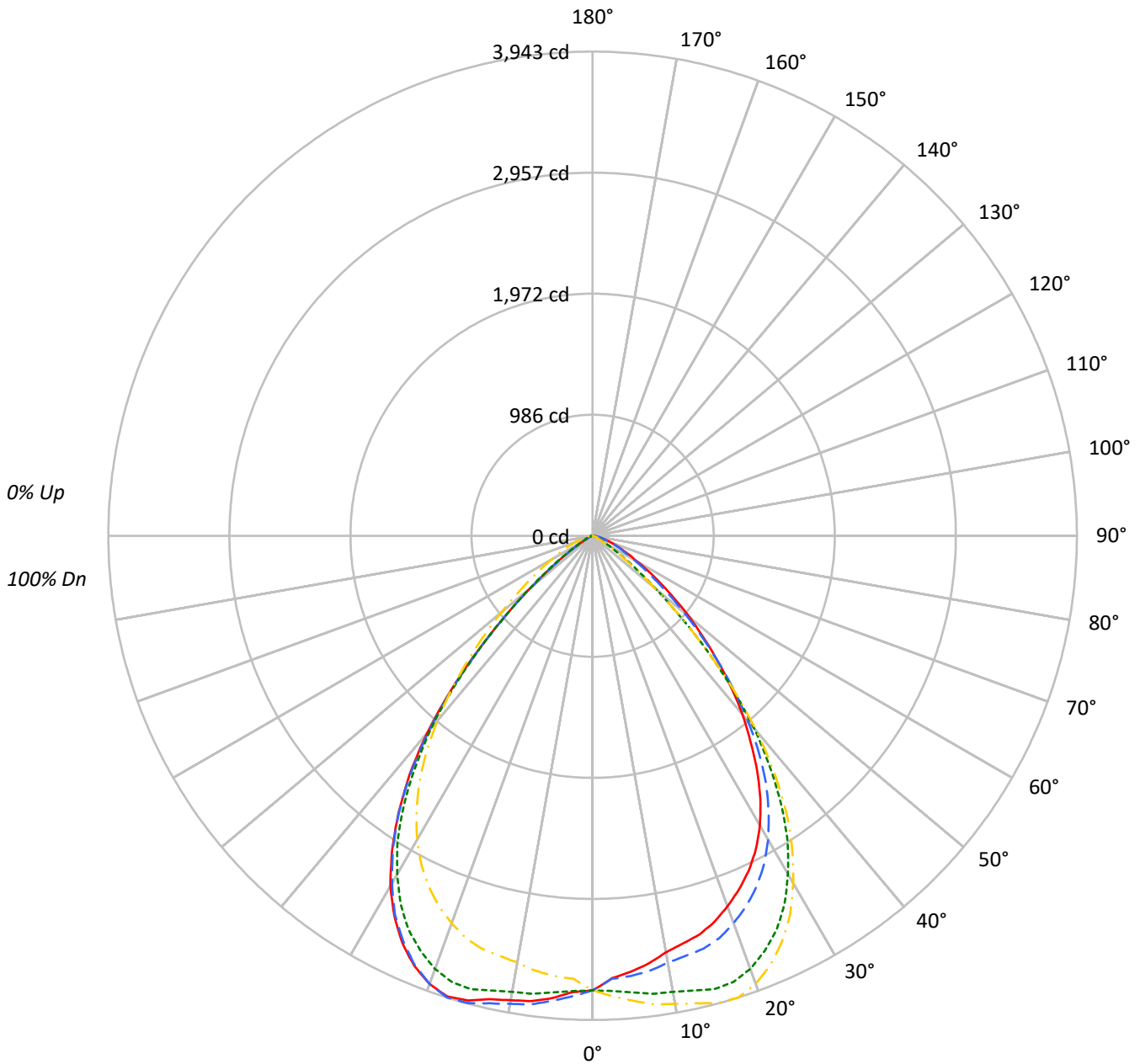
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	202944	202944	202944	202944
5°	196125	205376	207984	205376
10°	191680	209910	213751	209910
15°	190779	216948	222334	216948
20°	187301	218979	226528	218979
25°	181952	214276	221571	214276
30°	172406	201328	208418	201328
35°	156319	179394	184299	179394
40°	135697	146188	149888	146188
45°	111260	100902	101569	100902
50°	87485	56595	55504	56595
55°	64667	28004	25127	28004
60°	45830	12280	8980	12280
65°	34102	7835	5591	7835
70°	24860	6219	4151	6219
75°	18258	4554	2732	4554
80°	12249	4072	1326	4072
85°	8114	2642	2642	2642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.4	5.7
10°-20°	1049.6	17.0
20°-30°	1566.4	25.3
30°-40°	1609.3	26.0
40°-50°	1042.1	16.8
50°-60°	387.5	6.3
60°-70°	127.2	2.1
70°-80°	44.8	0.7
80°-90°	8.0	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°	2970.4	48.0
0°-40°	4579.7	74.0
0°-60°	6009.3	97.1
0°-90°	6189.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6189.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3702	3702	3702	3702	3702	
5°	3564	3732	3780	3732	3564	337
15°	3362	3823	3918	3823	3362	945
25°	3008	3542	3663	3542	3008	1379
35°	2336	2681	2754	2681	2336	1450
45°	1435	1302	1310	1302	1435	1110
55°	677	293	263	293	677	617
65°	263	60	43	60	263	267
75°	86	22	13	22	86	95
85°	13	4	4	4	13	17
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°	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0
2.5°	3607.1	3658.9	3624.4	3645.9	3611.5	3611.5	3680.4	3641.6	3671.8	3641.6	3611.5
5°	3564.0	3628.8	3585.6	3607.1	3577.0	3581.2	3645.9	3615.8	3645.9	3624.4	3598.5
7.5°	3512.4	3577.0	3538.2	3559.8	3529.6	3538.2	3607.1	3577.0	3611.5	3589.9	3572.6
10°	3443.4	3512.4	3477.9	3499.4	3473.5	3477.9	3546.9	3525.2	3555.4	3542.5	3529.6
12.5°	3400.2	3464.9	3426.1	3447.8	3430.5	3439.1	3503.8	3486.5	3525.2	3512.4	3503.8
15°	3361.5	3421.9	3387.4	3408.9	3396.0	3400.2	3469.2	3452.0	3495.1	3486.5	3482.1
17.5°	3296.9	3361.5	3322.8	3348.6	3335.6	3340.0	3408.9	3396.0	3439.1	3439.1	3434.8
20°	3210.6	3275.2	3245.1	3262.4	3253.8	3262.4	3322.8	3314.1	3357.2	3357.2	3357.2
22.5°	3115.9	3180.5	3146.0	3163.2	3154.6	3167.6	3223.6	3223.6	3258.1	3262.4	3266.8
25°	3008.1	3072.8	3038.2	3059.9	3051.2	3059.9	3111.5	3115.9	3146.0	3146.0	3154.6
27.5°	2878.9	2943.5	2909.0	2926.2	2921.9	2926.2	2982.2	2990.9	3008.1	3012.4	3021.0
30°	2723.6	2784.0	2749.5	2766.8	2766.8	2766.8	2822.8	2827.1	2844.4	2848.6	2857.2
32.5°	2542.6	2594.4	2568.5	2585.8	2581.5	2590.1	2628.9	2646.1	2667.6	2663.4	2667.6
35°	2335.8	2391.9	2366.0	2378.9	2383.2	2396.1	2422.0	2443.5	2447.9	2452.1	2460.8
37.5°	2111.8	2167.8	2141.9	2154.8	2159.1	2185.0	2193.6	2215.1	2223.8	2223.8	2223.8
40°	1896.2	1922.1	1900.5	1913.5	1917.8	1939.4	1948.0	1965.1	1973.8	1969.5	1965.1
42.5°	1663.5	1685.0	1663.5	1676.5	1676.5	1693.6	1698.0	1719.5	1719.5	1710.9	1698.0
45°	1435.1	1456.6	1435.1	1443.8	1443.8	1461.0	1461.0	1461.0	1469.6	1456.6	1435.1
47.5°	1219.6	1241.1	1219.6	1228.2	1223.9	1236.9	1232.5	1236.9	1223.9	1215.2	1189.5
50°	1025.8	1034.2	1025.8	1021.4	1025.8	1034.2	1030.0	1030.0	1012.8	999.9	969.6
52.5°	836.1	849.0	836.1	836.1	836.1	844.6	844.6	840.4	823.1	805.9	775.8
55°	676.6	685.2	680.9	676.6	676.6	685.2	676.6	676.6	659.4	646.5	616.2
57.5°	538.8	543.0	538.8	538.8	538.8	543.0	543.0	534.4	521.5	508.5	487.0
60°	418.0	422.4	422.4	418.0	418.0	426.6	426.6	422.4	409.4	400.8	379.2
62.5°	331.9	331.9	331.9	331.9	331.9	336.1	336.1	336.1	327.5	318.9	301.6
65°	262.9	267.2	262.9	262.9	267.2	271.5	267.2	271.5	262.9	258.6	245.6
67.5°	202.5	206.9	202.5	206.9	206.9	211.1	206.9	211.1	202.5	198.2	189.6
70°	155.1	155.1	155.1	155.1	155.1	159.5	155.1	159.5	155.1	150.9	142.2
72.5°	116.4	116.4	120.6	120.6	116.4	120.6	116.4	116.4	116.4	112.0	107.8
75°	86.2	86.2	90.5	86.2	86.2	86.2	86.2	86.2	81.9	81.9	77.6
77.5°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	56.0	56.0	51.8
80°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	34.5	34.5
82.5°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	21.5	21.5
85°	12.9	12.9	12.9	17.2	12.9	12.9	12.9	12.9	12.9	12.9	12.9
87.5°	4.2	4.2	4.2	8.6	4.2	4.2	8.6	8.6	4.2	4.2	4.2
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°	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0
2.5°	3645.9	3658.9	3658.9	3645.9	3676.1	3650.2	3702.0	3654.5	3667.5	3710.6	3706.2
5°	3633.0	3650.2	3654.5	3645.9	3684.8	3663.1	3714.9	3667.5	3689.0	3732.1	3732.1
7.5°	3615.8	3637.4	3645.9	3654.5	3689.0	3667.5	3727.9	3680.4	3710.6	3762.2	3758.0
10°	3577.0	3607.1	3624.4	3637.4	3671.8	3658.9	3723.5	3684.8	3710.6	3770.9	3766.6
12.5°	3555.4	3589.9	3615.8	3637.4	3676.1	3667.5	3732.1	3697.6	3732.1	3792.5	3792.5
15°	3538.2	3577.0	3607.1	3645.9	3684.8	3676.1	3745.0	3714.9	3749.4	3822.6	3818.4
17.5°	3495.1	3542.5	3572.6	3615.8	3654.5	3650.2	3723.5	3702.0	3740.8	3809.8	3814.0
20°	3421.9	3464.9	3499.4	3551.1	3594.2	3585.6	3663.1	3641.6	3680.4	3753.6	3758.0
22.5°	3327.0	3370.1	3404.6	3460.6	3499.4	3495.1	3572.6	3551.1	3589.9	3658.9	3663.1
25°	3215.0	3253.8	3288.2	3340.0	3383.0	3383.0	3452.0	3430.5	3473.5	3542.5	3542.5
27.5°	3077.1	3111.5	3141.8	3202.0	3236.5	3236.5	3301.1	3279.6	3322.8	3383.0	3378.8
30°	2909.0	2939.1	2965.0	3016.8	3046.9	3051.2	3107.2	3085.6	3128.8	3180.5	3180.5
32.5°	2706.5	2736.6	2753.9	2818.5	2840.0	2835.8	2878.9	2857.2	2900.4	2956.4	2943.5
35°	2491.0	2503.9	2516.9	2581.5	2590.1	2572.9	2615.9	2594.4	2624.5	2680.6	2672.0
37.5°	2245.2	2249.6	2249.6	2305.6	2310.0	2297.0	2322.9	2297.0	2318.6	2370.2	2366.0
40°	1973.8	1969.5	1965.1	2008.2	2004.0	1978.1	1995.4	1973.8	2004.0	2042.8	2021.2
42.5°	1698.0	1685.0	1667.9	1689.4	1672.1	1650.6	1659.2	1624.8	1646.2	1676.5	1650.6
45°	1426.5	1400.6	1366.1	1370.5	1348.9	1323.0	1310.1	1275.6	1271.4	1301.5	1280.0
47.5°	1172.2	1120.5	1090.4	1073.1	1038.6	1017.1	991.2	952.4	935.1	952.4	930.9
50°	943.8	892.1	853.2	814.5	780.0	754.1	711.1	685.2	659.4	663.6	646.5
52.5°	745.6	711.1	646.5	616.2	581.8	551.6	512.9	482.6	452.5	452.5	435.2
55°	590.4	543.0	499.9	456.9	422.4	396.5	357.8	327.5	297.4	293.0	275.9
57.5°	456.9	422.4	374.9	331.9	310.2	284.4	245.6	211.1	193.9	181.0	168.1
60°	353.4	318.9	280.1	245.6	219.8	202.5	163.8	137.9	120.6	112.0	99.1
62.5°	284.4	254.2	219.8	185.4	168.1	150.9	120.6	99.1	81.9	73.2	64.6
65°	228.4	202.5	176.8	150.9	137.9	120.6	99.1	81.9	69.0	60.4	51.8
67.5°	176.8	159.5	137.9	120.6	107.8	94.8	77.6	64.6	56.0	47.4	43.1
70°	133.6	120.6	107.8	90.5	81.9	73.2	60.4	47.4	43.1	38.8	34.5
72.5°	103.4	90.5	77.6	69.0	60.4	56.0	47.4	38.8	34.5	30.1	25.9
75°	69.0	64.6	56.0	47.4	43.1	38.8	34.5	30.1	25.9	21.5	21.5
77.5°	47.4	43.1	38.8	34.5	30.1	30.1	25.9	21.5	17.2	17.2	12.9
80°	30.1	25.9	25.9	21.5	21.5	21.5	17.2	12.9	12.9	12.9	8.6
82.5°	21.5	17.2	17.2	12.9	12.9	12.9	12.9	8.6	8.6	8.6	4.2
85°	12.9	8.6	8.6	8.6	8.6	8.6	8.6	4.2	4.2	4.2	4.2
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	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°	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0
2.5°	3671.8	3710.6	3710.6	3745.0	3749.4	3740.8	3702.0	3702.0	3753.6	3783.9	3732.1
5°	3706.2	3745.0	3745.0	3779.5	3796.8	3783.9	3745.0	3749.4	3801.1	3835.5	3783.9
7.5°	3736.5	3775.2	3783.9	3822.6	3835.5	3822.6	3783.9	3792.5	3848.5	3878.6	3827.0
10°	3749.4	3788.1	3792.5	3835.5	3852.8	3835.5	3805.4	3809.8	3870.0	3891.6	3844.1
12.5°	3779.5	3818.4	3818.4	3865.8	3883.0	3870.0	3831.2	3839.9	3900.2	3921.8	3874.4
15°	3809.8	3848.5	3848.5	3900.2	3921.8	3904.5	3874.4	3878.6	3939.0	3960.5	3921.8
17.5°	3809.8	3844.1	3844.1	3900.2	3921.8	3908.9	3874.4	3878.6	3943.2	3960.5	3921.8
20°	3753.6	3792.5	3783.9	3839.9	3861.4	3848.5	3818.4	3818.4	3883.0	3900.2	3861.4
22.5°	3663.1	3697.6	3689.0	3740.8	3766.6	3749.4	3723.5	3719.2	3783.9	3801.1	3762.2
25°	3538.2	3572.6	3564.0	3615.8	3641.6	3620.1	3589.9	3594.2	3645.9	3671.8	3637.4
27.5°	3391.6	3413.2	3400.2	3452.0	3477.9	3456.4	3426.1	3430.5	3482.1	3499.4	3473.5
30°	3193.4	3210.6	3197.8	3240.9	3258.1	3245.1	3219.2	3219.2	3266.8	3288.2	3262.4
32.5°	2956.4	2969.4	2956.4	2990.9	3025.4	2999.5	2973.6	2973.6	3025.4	3042.6	3012.4
35°	2680.6	2693.5	2684.9	2719.4	2745.2	2710.8	2689.2	2680.6	2749.5	2740.9	2723.6
37.5°	2374.6	2383.2	2357.4	2417.8	2430.6	2391.9	2374.6	2366.0	2426.4	2422.0	2404.8
40°	2029.9	2038.5	2021.2	2064.2	2068.6	2038.5	2025.5	2012.6	2072.9	2068.6	2055.6
42.5°	1663.5	1667.9	1646.2	1680.8	1689.4	1659.2	1654.9	1637.6	1693.6	1685.0	1680.8
45°	1284.2	1284.2	1267.0	1292.9	1301.5	1275.6	1267.0	1262.8	1301.5	1301.5	1292.9
47.5°	930.9	918.0	896.4	935.1	939.5	922.2	918.0	905.0	943.8	943.8	935.1
50°	637.9	633.5	629.2	637.9	642.1	620.6	633.5	620.6	642.1	642.1	642.1
52.5°	426.6	422.4	413.8	422.4	422.4	409.4	409.4	405.1	422.4	422.4	413.8
55°	267.2	262.9	258.6	262.9	262.9	250.0	258.6	250.0	258.6	258.6	254.2
57.5°	163.8	155.1	155.1	150.9	150.9	142.2	146.5	146.5	146.5	146.5	146.5
60°	94.8	90.5	86.2	86.2	86.2	81.9	81.9	81.9	81.9	81.9	81.9
62.5°	60.4	60.4	56.0	56.0	56.0	56.0	56.0	51.8	56.0	56.0	56.0
65°	51.8	47.4	47.4	47.4	47.4	43.1	43.1	43.1	43.1	43.1	43.1
67.5°	43.1	38.8	38.8	38.8	38.8	34.5	34.5	34.5	34.5	34.5	34.5
70°	34.5	30.1	30.1	30.1	30.1	30.1	25.9	30.1	30.1	25.9	25.9
72.5°	25.9	25.9	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
75°	17.2	17.2	17.2	17.2	17.2	12.9	12.9	12.9	12.9	12.9	12.9
77.5°	12.9	12.9	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	8.6	8.6	8.6	8.6	8.6	4.2	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85°	4.2	4.2	4.2	4.2	4.2	0.0	4.2	0.0	4.2	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: P212857

CATALOG NUMBER: LE_6B60D010R EC6B60709040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0
2.5°	3792.5	3749.4	3727.9	3770.9	3788.1	3766.6	3749.4	3719.2	3749.4	3766.6	3788.1
5°	3844.1	3805.4	3788.1	3818.4	3844.1	3822.6	3809.8	3779.5	3809.8	3822.6	3844.1
7.5°	3891.6	3852.8	3831.2	3861.4	3891.6	3861.4	3848.5	3822.6	3848.5	3861.4	3891.6
10°	3908.9	3865.8	3848.5	3874.4	3904.5	3874.4	3857.1	3839.9	3857.1	3874.4	3904.5
12.5°	3939.0	3895.9	3874.4	3895.9	3926.0	3895.9	3878.6	3865.8	3878.6	3895.9	3926.0
15°	3982.1	3943.2	3917.5	3939.0	3977.8	3943.2	3921.8	3917.5	3921.8	3943.2	3977.8
17.5°	3982.1	3951.9	3926.0	3943.2	3982.1	3956.2	3926.0	3934.6	3926.0	3956.2	3982.1
20°	3926.0	3895.9	3874.4	3874.4	3930.4	3895.9	3870.0	3883.0	3870.0	3895.9	3930.4
22.5°	3827.0	3801.1	3779.5	3775.2	3831.2	3801.1	3766.6	3792.5	3766.6	3801.1	3831.2
25°	3697.6	3671.8	3654.5	3645.9	3702.0	3667.5	3637.4	3663.1	3637.4	3667.5	3702.0
27.5°	3529.6	3508.0	3490.8	3477.9	3529.6	3499.4	3469.2	3495.1	3469.2	3499.4	3529.6
30°	3314.1	3301.1	3283.9	3266.8	3318.4	3288.2	3258.1	3292.5	3258.1	3288.2	3318.4
32.5°	3064.1	3055.5	3034.0	3016.8	3068.5	3034.0	3012.4	3038.2	3012.4	3034.0	3068.5
35°	2775.4	2762.5	2749.5	2719.4	2775.4	2745.2	2745.2	2753.9	2745.2	2745.2	2775.4
37.5°	2452.1	2443.5	2426.4	2400.5	2447.9	2426.4	2417.8	2443.5	2417.8	2426.4	2447.9
40°	2090.1	2085.9	2072.9	2042.8	2094.5	2072.9	2060.0	2094.5	2060.0	2072.9	2094.5
42.5°	1710.9	1702.2	1689.4	1685.0	1710.9	1693.6	1706.6	1706.6	1706.6	1693.6	1710.9
45°	1318.8	1310.1	1301.5	1284.2	1314.4	1305.9	1301.5	1310.1	1301.5	1305.9	1314.4
47.5°	956.8	948.1	939.5	926.6	956.8	943.8	943.8	952.4	943.8	943.8	956.8
50°	642.1	646.5	642.1	633.5	642.1	637.9	642.1	650.8	642.1	637.9	642.1
52.5°	426.6	426.6	418.0	413.8	422.4	418.0	431.0	422.4	431.0	418.0	422.4
55°	258.6	262.9	258.6	254.2	258.6	254.2	267.2	262.9	267.2	254.2	258.6
57.5°	146.5	146.5	150.9	146.5	155.1	150.9	150.9	150.9	150.9	150.9	155.1
60°	81.9	81.9	81.9	81.9	81.9	81.9	86.2	81.9	86.2	81.9	81.9
62.5°	56.0	56.0	56.0	51.8	56.0	51.8	56.0	56.0	56.0	51.8	56.0
65°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
67.5°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
70°	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
72.5°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
75°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	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: P212857

CATALOG NUMBER: LE_6B60D010R EC6B60709040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0
2.5°	3770.9	3727.9	3749.4	3792.5	3732.1	3783.9	3753.6	3702.0	3702.0	3740.8	3749.4
5°	3818.4	3788.1	3805.4	3844.1	3783.9	3835.5	3801.1	3749.4	3745.0	3783.9	3796.8
7.5°	3861.4	3831.2	3852.8	3891.6	3827.0	3878.6	3848.5	3792.5	3783.9	3822.6	3835.5
10°	3874.4	3848.5	3865.8	3908.9	3844.1	3891.6	3870.0	3809.8	3805.4	3835.5	3852.8
12.5°	3895.9	3874.4	3895.9	3939.0	3874.4	3921.8	3900.2	3839.9	3831.2	3870.0	3883.0
15°	3939.0	3917.5	3943.2	3982.1	3921.8	3960.5	3939.0	3878.6	3874.4	3904.5	3921.8
17.5°	3943.2	3926.0	3951.9	3982.1	3921.8	3960.5	3943.2	3878.6	3874.4	3908.9	3921.8
20°	3874.4	3874.4	3895.9	3926.0	3861.4	3900.2	3883.0	3818.4	3818.4	3848.5	3861.4
22.5°	3775.2	3779.5	3801.1	3827.0	3762.2	3801.1	3783.9	3719.2	3723.5	3749.4	3766.6
25°	3645.9	3654.5	3671.8	3697.6	3637.4	3671.8	3645.9	3594.2	3589.9	3620.1	3641.6
27.5°	3477.9	3490.8	3508.0	3529.6	3473.5	3499.4	3482.1	3430.5	3426.1	3456.4	3477.9
30°	3266.8	3283.9	3301.1	3314.1	3262.4	3288.2	3266.8	3219.2	3219.2	3245.1	3258.1
32.5°	3016.8	3034.0	3055.5	3064.1	3012.4	3042.6	3025.4	2973.6	2973.6	2999.5	3025.4
35°	2719.4	2749.5	2762.5	2775.4	2723.6	2740.9	2749.5	2680.6	2689.2	2710.8	2745.2
37.5°	2400.5	2426.4	2443.5	2452.1	2404.8	2422.0	2426.4	2366.0	2374.6	2391.9	2430.6
40°	2042.8	2072.9	2085.9	2090.1	2055.6	2068.6	2072.9	2012.6	2025.5	2038.5	2068.6
42.5°	1685.0	1689.4	1702.2	1710.9	1680.8	1685.0	1693.6	1637.6	1654.9	1659.2	1689.4
45°	1284.2	1301.5	1310.1	1318.8	1292.9	1301.5	1301.5	1262.8	1267.0	1275.6	1301.5
47.5°	926.6	939.5	948.1	956.8	935.1	943.8	943.8	905.0	918.0	922.2	939.5
50°	633.5	642.1	646.5	642.1	642.1	642.1	642.1	620.6	633.5	620.6	642.1
52.5°	413.8	418.0	426.6	426.6	413.8	422.4	422.4	405.1	409.4	409.4	422.4
55°	254.2	258.6	262.9	258.6	254.2	258.6	258.6	250.0	258.6	250.0	262.9
57.5°	146.5	150.9	146.5	146.5	146.5	146.5	146.5	146.5	146.5	142.2	150.9
60°	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	86.2
62.5°	51.8	56.0	56.0	56.0	56.0	56.0	56.0	51.8	56.0	56.0	56.0
65°	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	47.4
67.5°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	38.8
70°	25.9	25.9	25.9	25.9	25.9	25.9	30.1	30.1	25.9	30.1	30.1
72.5°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5	21.5
75°	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	17.2
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6
80°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	8.6
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	4.2	0.0	4.2
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: P212857

CATALOG NUMBER: LE_6B60D010R EC6B60709040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0
2.5°	3745.0	3710.6	3710.6	3671.8	3706.2	3710.6	3667.5	3654.5	3702.0	3650.2	3676.1
5°	3779.5	3745.0	3745.0	3706.2	3732.1	3732.1	3689.0	3667.5	3714.9	3663.1	3684.8
7.5°	3822.6	3783.9	3775.2	3736.5	3758.0	3762.2	3710.6	3680.4	3727.9	3667.5	3689.0
10°	3835.5	3792.5	3788.1	3749.4	3766.6	3770.9	3710.6	3684.8	3723.5	3658.9	3671.8
12.5°	3865.8	3818.4	3818.4	3779.5	3792.5	3792.5	3732.1	3697.6	3732.1	3667.5	3676.1
15°	3900.2	3848.5	3848.5	3809.8	3818.4	3822.6	3749.4	3714.9	3745.0	3676.1	3684.8
17.5°	3900.2	3844.1	3844.1	3809.8	3814.0	3809.8	3740.8	3702.0	3723.5	3650.2	3654.5
20°	3839.9	3783.9	3792.5	3753.6	3758.0	3753.6	3680.4	3641.6	3663.1	3585.6	3594.2
22.5°	3740.8	3689.0	3697.6	3663.1	3663.1	3658.9	3589.9	3551.1	3572.6	3495.1	3499.4
25°	3615.8	3564.0	3572.6	3538.2	3542.5	3542.5	3473.5	3430.5	3452.0	3383.0	3383.0
27.5°	3452.0	3400.2	3413.2	3391.6	3378.8	3383.0	3322.8	3279.6	3301.1	3236.5	3236.5
30°	3240.9	3197.8	3210.6	3193.4	3180.5	3180.5	3128.8	3085.6	3107.2	3051.2	3046.9
32.5°	2990.9	2956.4	2969.4	2956.4	2943.5	2956.4	2900.4	2857.2	2878.9	2835.8	2840.0
35°	2719.4	2684.9	2693.5	2680.6	2672.0	2680.6	2624.5	2594.4	2615.9	2572.9	2590.1
37.5°	2417.8	2357.4	2383.2	2374.6	2366.0	2370.2	2318.6	2297.0	2322.9	2297.0	2310.0
40°	2064.2	2021.2	2038.5	2029.9	2021.2	2042.8	2004.0	1973.8	1995.4	1978.1	2004.0
42.5°	1680.8	1646.2	1667.9	1663.5	1650.6	1676.5	1646.2	1624.8	1659.2	1650.6	1672.1
45°	1292.9	1267.0	1284.2	1284.2	1280.0	1301.5	1271.4	1275.6	1310.1	1323.0	1348.9
47.5°	935.1	896.4	918.0	930.9	930.9	952.4	935.1	952.4	991.2	1017.1	1038.6
50°	637.9	629.2	633.5	637.9	646.5	663.6	659.4	685.2	711.1	754.1	780.0
52.5°	422.4	413.8	422.4	426.6	435.2	452.5	452.5	482.6	512.9	551.6	581.8
55°	262.9	258.6	262.9	267.2	275.9	293.0	297.4	327.5	357.8	396.5	422.4
57.5°	150.9	155.1	155.1	163.8	168.1	181.0	193.9	211.1	245.6	284.4	310.2
60°	86.2	86.2	90.5	94.8	99.1	112.0	120.6	137.9	163.8	202.5	219.8
62.5°	56.0	56.0	60.4	60.4	64.6	73.2	81.9	99.1	120.6	150.9	168.1
65°	47.4	47.4	47.4	51.8	51.8	60.4	69.0	81.9	99.1	120.6	137.9
67.5°	38.8	38.8	38.8	43.1	43.1	47.4	56.0	64.6	77.6	94.8	107.8
70°	30.1	30.1	30.1	34.5	34.5	38.8	43.1	47.4	60.4	73.2	81.9
72.5°	21.5	21.5	25.9	25.9	25.9	30.1	34.5	38.8	47.4	56.0	60.4
75°	17.2	17.2	17.2	17.2	21.5	21.5	25.9	30.1	34.5	38.8	43.1
77.5°	8.6	8.6	12.9	12.9	12.9	17.2	17.2	21.5	25.9	30.1	30.1
80°	8.6	8.6	8.6	8.6	8.6	12.9	12.9	12.9	17.2	21.5	21.5
82.5°	4.2	4.2	4.2	4.2	4.2	8.6	8.6	8.6	12.9	12.9	12.9
85°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	8.6	8.6	8.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2	4.2	4.2	4.2
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: P212857

CATALOG NUMBER: LE_6B60D010R EC6B60709040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0	3702.0
2.5°	3645.9	3658.9	3658.9	3645.9	3611.5	3641.6	3671.8	3641.6	3680.4	3611.5	3611.5
5°	3645.9	3654.5	3650.2	3633.0	3598.5	3624.4	3645.9	3615.8	3645.9	3581.2	3577.0
7.5°	3654.5	3645.9	3637.4	3615.8	3572.6	3589.9	3611.5	3577.0	3607.1	3538.2	3529.6
10°	3637.4	3624.4	3607.1	3577.0	3529.6	3542.5	3555.4	3525.2	3546.9	3477.9	3473.5
12.5°	3637.4	3615.8	3589.9	3555.4	3503.8	3512.4	3525.2	3486.5	3503.8	3439.1	3430.5
15°	3645.9	3607.1	3577.0	3538.2	3482.1	3486.5	3495.1	3452.0	3469.2	3400.2	3396.0
17.5°	3615.8	3572.6	3542.5	3495.1	3434.8	3439.1	3439.1	3396.0	3408.9	3340.0	3335.6
20°	3551.1	3499.4	3464.9	3421.9	3357.2	3357.2	3357.2	3314.1	3322.8	3262.4	3253.8
22.5°	3460.6	3404.6	3370.1	3327.0	3266.8	3262.4	3258.1	3223.6	3223.6	3167.6	3154.6
25°	3340.0	3288.2	3253.8	3215.0	3154.6	3146.0	3146.0	3115.9	3111.5	3059.9	3051.2
27.5°	3202.0	3141.8	3111.5	3077.1	3021.0	3012.4	3008.1	2990.9	2982.2	2926.2	2921.9
30°	3016.8	2965.0	2939.1	2909.0	2857.2	2848.6	2844.4	2827.1	2822.8	2766.8	2766.8
32.5°	2818.5	2753.9	2736.6	2706.5	2667.6	2663.4	2667.6	2646.1	2628.9	2590.1	2581.5
35°	2581.5	2516.9	2503.9	2491.0	2460.8	2452.1	2447.9	2443.5	2422.0	2396.1	2383.2
37.5°	2305.6	2249.6	2249.6	2245.2	2223.8	2223.8	2223.8	2215.1	2193.6	2185.0	2159.1
40°	2008.2	1965.1	1969.5	1973.8	1965.1	1969.5	1973.8	1965.1	1948.0	1939.4	1917.8
42.5°	1689.4	1667.9	1685.0	1698.0	1698.0	1710.9	1719.5	1719.5	1698.0	1693.6	1676.5
45°	1370.5	1366.1	1400.6	1426.5	1435.1	1456.6	1469.6	1461.0	1461.0	1461.0	1443.8
47.5°	1073.1	1090.4	1120.5	1172.2	1189.5	1215.2	1223.9	1236.9	1232.5	1236.9	1223.9
50°	814.5	853.2	892.1	943.8	969.6	999.9	1012.8	1030.0	1030.0	1034.2	1025.8
52.5°	616.2	646.5	711.1	745.6	775.8	805.9	823.1	840.4	844.6	844.6	836.1
55°	456.9	499.9	543.0	590.4	616.2	646.5	659.4	676.6	676.6	685.2	676.6
57.5°	331.9	374.9	422.4	456.9	487.0	508.5	521.5	534.4	543.0	543.0	538.8
60°	245.6	280.1	318.9	353.4	379.2	400.8	409.4	422.4	426.6	426.6	418.0
62.5°	185.4	219.8	254.2	284.4	301.6	318.9	327.5	336.1	336.1	336.1	331.9
65°	150.9	176.8	202.5	228.4	245.6	258.6	262.9	271.5	267.2	271.5	267.2
67.5°	120.6	137.9	159.5	176.8	189.6	198.2	202.5	211.1	206.9	211.1	206.9
70°	90.5	107.8	120.6	133.6	142.2	150.9	155.1	159.5	155.1	159.5	155.1
72.5°	69.0	77.6	90.5	103.4	107.8	112.0	116.4	116.4	116.4	120.6	116.4
75°	47.4	56.0	64.6	69.0	77.6	81.9	81.9	86.2	86.2	86.2	86.2
77.5°	34.5	38.8	43.1	47.4	51.8	56.0	56.0	60.4	60.4	60.4	60.4
80°	21.5	25.9	25.9	30.1	34.5	34.5	38.8	38.8	38.8	38.8	38.8
82.5°	12.9	17.2	17.2	21.5	21.5	21.5	25.9	25.9	25.9	25.9	25.9
85°	8.6	8.6	8.6	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	8.6	8.6	4.2	4.2
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: P212857

CATALOG NUMBER: LE_6B60D010R EC6B60709040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3702.0	3702.0	3702.0	3702.0
2.5°	3645.9	3624.4	3658.9	3607.1
5°	3607.1	3585.6	3628.8	3564.0
7.5°	3559.8	3538.2	3577.0	3512.4
10°	3499.4	3477.9	3512.4	3443.4
12.5°	3447.8	3426.1	3464.9	3400.2
15°	3408.9	3387.4	3421.9	3361.5
17.5°	3348.6	3322.8	3361.5	3296.9
20°	3262.4	3245.1	3275.2	3210.6
22.5°	3163.2	3146.0	3180.5	3115.9
25°	3059.9	3038.2	3072.8	3008.1
27.5°	2926.2	2909.0	2943.5	2878.9
30°	2766.8	2749.5	2784.0	2723.6
32.5°	2585.8	2568.5	2594.4	2542.6
35°	2378.9	2366.0	2391.9	2335.8
37.5°	2154.8	2141.9	2167.8	2111.8
40°	1913.5	1900.5	1922.1	1896.2
42.5°	1676.5	1663.5	1685.0	1663.5
45°	1443.8	1435.1	1456.6	1435.1
47.5°	1228.2	1219.6	1241.1	1219.6
50°	1021.4	1025.8	1034.2	1025.8
52.5°	836.1	836.1	849.0	836.1
55°	676.6	680.9	685.2	676.6
57.5°	538.8	538.8	543.0	538.8
60°	418.0	422.4	422.4	418.0
62.5°	331.9	331.9	331.9	331.9
65°	262.9	262.9	267.2	262.9
67.5°	206.9	202.5	206.9	202.5
70°	155.1	155.1	155.1	155.1
72.5°	120.6	120.6	116.4	116.4
75°	86.2	90.5	86.2	86.2
77.5°	60.4	60.4	60.4	60.4
80°	38.8	38.8	38.8	38.8
82.5°	25.9	25.9	25.9	25.9
85°	17.2	12.9	12.9	12.9
87.5°	8.6	4.2	4.2	4.2
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)