

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: P212856

Luminaire Tested: **LE_6B60D010R EC6B60709035 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212856
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 EC6B60709035 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6179.0 lumens
Efficiency: N/A
Efficacy: 98.9 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

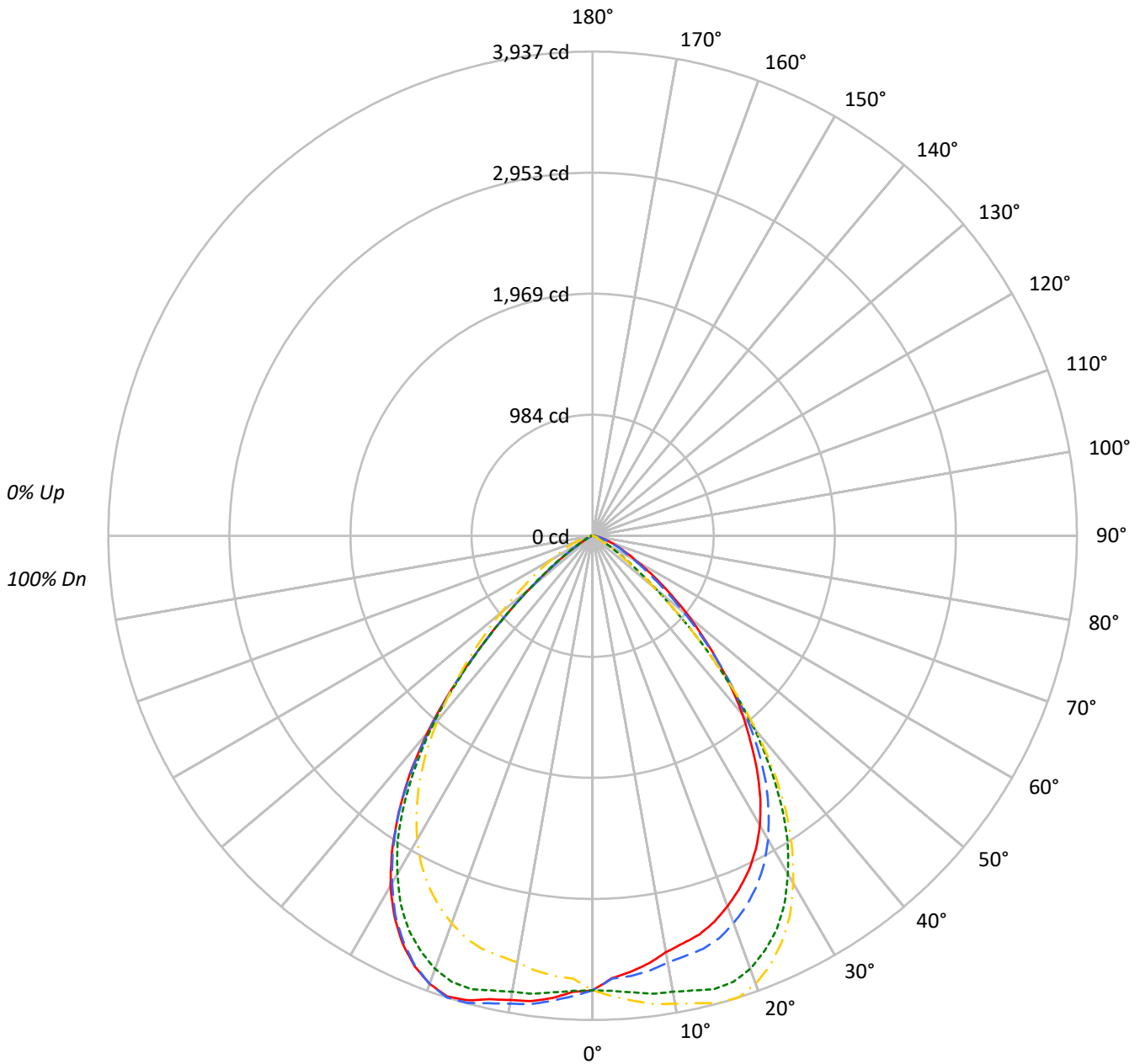
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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								
1	112	109	106	103	110	107	104	102	103	100	99	99	97	96	95	94	93	91								
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82								
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73								
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66								
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60								
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54								
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49								
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45								
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42								
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38								

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	202604	202604	202604	202604
5°	195801	205035	207638	205035
10°	191357	209560	213390	209560
15°	190461	216585	221959	216585
20°	186986	218617	226149	218617
25°	181644	213914	221202	213914
30°	172121	200987	208070	200987
35°	156058	179093	183985	179093
40°	135468	145945	149637	145945
45°	111081	100739	101398	100739
50°	87332	56510	55401	56510
55°	64562	27956	25089	27956
60°	45764	12269	8969	12269
65°	34050	7809	5578	7809
70°	24828	6219	4151	6219
75°	18216	4554	2732	4554
80°	12249	4072	1326	4072
85°	8114	2642	2642	2642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.8	5.7
10°-20°	1047.9	17.0
20°-30°	1563.7	25.3
30°-40°	1606.6	26.0
40°-50°	1040.4	16.8
50°-60°	386.9	6.3
60°-70°	126.9	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°	2965.4	48.0
0°-40°	4572.0	74.0
0°-60°	5999.3	97.1
0°-90°	6179.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6179.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3696	3696	3696	3696	3696	
5°	3558	3726	3773	3726	3558	336
15°	3356	3816	3911	3816	3356	944
25°	3003	3536	3657	3536	3003	1376
35°	2332	2676	2749	2676	2332	1448
45°	1433	1299	1308	1299	1433	1108
55°	676	292	262	292	676	616
65°	262	60	43	60	262	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°	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8
2.5°	3601.1	3652.8	3618.2	3639.9	3605.4	3605.4	3674.2	3635.5	3665.6	3635.5	3605.4
5°	3558.1	3622.6	3579.6	3601.1	3571.0	3575.2	3639.9	3609.8	3639.9	3618.2	3592.5
7.5°	3506.5	3571.0	3532.2	3553.8	3523.6	3532.2	3601.1	3571.0	3605.4	3583.9	3566.6
10°	3437.6	3506.5	3472.0	3493.5	3467.8	3472.0	3540.9	3519.4	3549.5	3536.5	3523.6
12.5°	3394.6	3459.1	3420.4	3441.9	3424.8	3433.2	3497.9	3480.6	3519.4	3506.5	3497.9
15°	3355.9	3416.1	3381.6	3403.1	3390.2	3394.6	3463.4	3446.2	3489.2	3480.6	3476.4
17.5°	3291.4	3355.9	3317.1	3343.0	3330.0	3334.4	3403.1	3390.2	3433.2	3433.2	3429.0
20°	3205.2	3269.8	3239.8	3256.9	3248.2	3256.9	3317.1	3308.5	3351.5	3351.5	3351.5
22.5°	3110.6	3175.1	3140.8	3158.0	3149.4	3162.2	3218.1	3218.1	3252.6	3256.9	3261.2
25°	3003.0	3067.6	3033.1	3054.8	3046.1	3054.8	3106.4	3110.6	3140.8	3140.8	3149.4
27.5°	2874.0	2938.5	2904.1	2921.4	2917.0	2921.4	2977.2	2985.9	3003.0	3007.4	3016.0
30°	2719.1	2779.4	2744.9	2762.1	2762.1	2762.1	2818.0	2822.4	2839.6	2843.9	2852.5
32.5°	2538.4	2590.0	2564.2	2581.4	2577.1	2585.8	2624.5	2641.6	2663.1	2658.9	2663.1
35°	2331.9	2387.9	2362.0	2374.9	2379.2	2392.1	2418.0	2439.5	2443.8	2448.0	2456.6
37.5°	2108.1	2164.1	2138.2	2151.2	2155.5	2181.2	2189.9	2211.4	2220.0	2220.0	2220.0
40°	1893.0	1918.9	1897.4	1910.2	1914.5	1936.1	1944.6	1961.9	1970.5	1966.2	1961.9
42.5°	1660.8	1682.2	1660.8	1673.6	1673.6	1690.9	1695.1	1716.6	1716.6	1708.0	1695.1
45°	1432.8	1454.2	1432.8	1441.2	1441.2	1458.5	1458.5	1458.5	1467.1	1454.2	1432.8
47.5°	1217.6	1239.1	1217.6	1226.1	1221.9	1234.8	1230.5	1234.8	1221.9	1213.2	1187.5
50°	1024.0	1032.6	1024.0	1019.6	1024.0	1032.6	1028.2	1028.2	1011.0	998.1	968.0
52.5°	834.6	847.6	834.6	834.6	834.6	843.2	843.2	839.0	821.8	804.5	774.4
55°	675.5	684.1	679.8	675.5	675.5	684.1	675.5	675.5	658.2	645.4	615.2
57.5°	537.8	542.1	537.8	537.8	537.8	542.1	542.1	533.5	520.6	507.6	486.1
60°	417.4	421.6	421.6	417.4	417.4	425.9	425.9	421.6	408.8	400.1	378.6
62.5°	331.2	331.2	331.2	331.2	331.2	335.6	335.6	335.6	327.0	318.4	301.1
65°	262.5	266.8	262.5	262.5	266.8	271.0	266.8	271.0	262.5	258.1	245.2
67.5°	202.2	206.5	202.2	206.5	206.5	210.9	206.5	210.9	202.2	197.9	189.2
70°	154.9	154.9	154.9	154.9	154.9	159.2	154.9	159.2	154.9	150.6	142.0
72.5°	116.1	116.1	120.5	120.5	116.1	120.5	116.1	116.1	116.1	111.9	107.5
75°	86.0	86.0	90.4	86.0	86.0	86.0	86.0	86.0	81.8	81.8	77.5
77.5°	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	55.9	55.9	51.6
80°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	34.4	34.4
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°	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8
2.5°	3639.9	3652.8	3652.8	3639.9	3669.9	3644.1	3695.8	3648.4	3661.4	3704.4	3700.0
5°	3626.9	3644.1	3648.4	3639.9	3678.5	3657.0	3708.6	3661.4	3682.9	3725.9	3725.9
7.5°	3609.8	3631.2	3639.9	3648.4	3682.9	3661.4	3721.5	3674.2	3704.4	3756.0	3751.6
10°	3571.0	3601.1	3618.2	3631.2	3665.6	3652.8	3717.2	3678.5	3704.4	3764.6	3760.2
12.5°	3549.5	3583.9	3609.8	3631.2	3669.9	3661.4	3725.9	3691.5	3725.9	3786.1	3786.1
15°	3532.2	3571.0	3601.1	3639.9	3678.5	3669.9	3738.8	3708.6	3743.1	3816.2	3811.9
17.5°	3489.2	3536.5	3566.6	3609.8	3648.4	3644.1	3717.2	3695.8	3734.5	3803.2	3807.6
20°	3416.1	3459.1	3493.5	3545.1	3588.1	3579.6	3657.0	3635.5	3674.2	3747.4	3751.6
22.5°	3321.5	3364.5	3398.9	3454.8	3493.5	3489.2	3566.6	3545.1	3583.9	3652.8	3657.0
25°	3209.6	3248.2	3282.8	3334.4	3377.4	3377.4	3446.2	3424.8	3467.8	3536.5	3536.5
27.5°	3071.9	3106.4	3136.4	3196.6	3231.1	3231.1	3295.6	3274.1	3317.1	3377.4	3373.1
30°	2904.1	2934.2	2960.0	3011.6	3041.8	3046.1	3102.0	3080.5	3123.5	3175.1	3175.1
32.5°	2701.9	2732.0	2749.2	2813.8	2835.2	2831.0	2874.0	2852.5	2895.5	2951.4	2938.5
35°	2486.8	2499.6	2512.6	2577.1	2585.8	2568.5	2611.5	2590.0	2620.1	2676.1	2667.5
37.5°	2241.5	2245.9	2245.9	2301.8	2306.1	2293.1	2319.0	2293.1	2314.6	2366.2	2362.0
40°	1970.5	1966.2	1961.9	2004.9	2000.6	1974.8	1992.0	1970.5	2000.6	2039.4	2017.9
42.5°	1695.1	1682.2	1665.0	1686.5	1669.4	1647.8	1656.4	1622.0	1643.5	1673.6	1647.8
45°	1424.1	1398.2	1363.9	1368.1	1346.6	1320.9	1307.9	1273.5	1269.2	1299.4	1277.8
47.5°	1170.2	1118.6	1088.5	1071.2	1036.9	1015.4	989.5	950.9	933.6	950.9	929.4
50°	942.2	890.6	851.9	813.1	778.8	752.9	709.9	684.1	658.2	662.6	645.4
52.5°	744.2	709.9	645.4	615.2	580.9	550.8	512.0	481.9	451.8	451.8	434.5
55°	589.4	542.1	499.1	456.0	421.6	395.9	357.1	327.0	296.9	292.5	275.4
57.5°	456.0	421.6	374.2	331.2	309.8	284.0	245.2	210.9	193.6	180.8	167.8
60°	352.8	318.4	279.6	245.2	219.4	202.2	163.5	137.6	120.5	111.9	99.0
62.5°	284.0	253.9	219.4	185.0	167.8	150.6	120.5	99.0	81.8	73.1	64.5
65°	228.0	202.2	176.4	150.6	137.6	120.5	99.0	81.8	68.9	60.2	51.6
67.5°	176.4	159.2	137.6	120.5	107.5	94.6	77.5	64.5	55.9	47.4	43.0
70°	133.4	120.5	107.5	90.4	81.8	73.1	60.2	47.4	43.0	38.8	34.4
72.5°	103.2	90.4	77.5	68.9	60.2	55.9	47.4	38.8	34.4	30.1	25.9
75°	68.9	64.5	55.9	47.4	43.0	38.8	34.4	30.1	25.9	21.5	21.5
77.5°	47.4	43.0	38.8	34.4	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°	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8
2.5°	3665.6	3704.4	3704.4	3738.8	3743.1	3734.5	3695.8	3695.8	3747.4	3777.5	3725.9
5°	3700.0	3738.8	3738.8	3773.2	3790.4	3777.5	3738.8	3743.1	3794.8	3829.1	3777.5
7.5°	3730.1	3768.9	3777.5	3816.2	3829.1	3816.2	3777.5	3786.1	3842.0	3872.1	3820.5
10°	3743.1	3781.8	3786.1	3829.1	3846.4	3829.1	3799.0	3803.2	3863.5	3885.0	3837.8
12.5°	3773.2	3811.9	3811.9	3859.2	3876.5	3863.5	3824.9	3833.4	3893.6	3915.1	3867.9
15°	3803.2	3842.0	3842.0	3893.6	3915.1	3898.0	3867.9	3872.1	3932.4	3953.9	3915.1
17.5°	3803.2	3837.8	3837.8	3893.6	3915.1	3902.2	3867.9	3872.1	3936.6	3953.9	3915.1
20°	3747.4	3786.1	3777.5	3833.4	3854.9	3842.0	3811.9	3811.9	3876.5	3893.6	3854.9
22.5°	3657.0	3691.5	3682.9	3734.5	3760.2	3743.1	3717.2	3713.0	3777.5	3794.8	3756.0
25°	3532.2	3566.6	3558.1	3609.8	3635.5	3614.0	3583.9	3588.1	3639.9	3665.6	3631.2
27.5°	3386.0	3407.5	3394.6	3446.2	3472.0	3450.5	3420.4	3424.8	3476.4	3493.5	3467.8
30°	3188.1	3205.2	3192.4	3235.4	3252.6	3239.8	3213.9	3213.9	3261.2	3282.8	3256.9
32.5°	2951.4	2964.4	2951.4	2985.9	3020.2	2994.5	2968.6	2968.6	3020.2	3037.5	3007.4
35°	2676.1	2689.0	2680.4	2714.8	2740.6	2706.2	2684.6	2676.1	2744.9	2736.4	2719.1
37.5°	2370.6	2379.2	2353.4	2413.6	2426.5	2387.9	2370.6	2362.0	2422.2	2418.0	2400.8
40°	2026.4	2035.0	2017.9	2060.9	2065.1	2035.0	2022.1	2009.2	2069.5	2065.1	2052.2
42.5°	1660.8	1665.0	1643.5	1677.9	1686.5	1656.4	1652.1	1634.9	1690.9	1682.2	1677.9
45°	1282.1	1282.1	1264.9	1290.8	1299.4	1273.5	1264.9	1260.6	1299.4	1299.4	1290.8
47.5°	929.4	916.4	894.9	933.6	937.9	920.8	916.4	903.5	942.2	942.2	933.6
50°	636.8	632.5	628.1	636.8	641.0	619.5	632.5	619.5	641.0	641.0	641.0
52.5°	425.9	421.6	413.0	421.6	421.6	408.8	408.8	404.4	421.6	421.6	413.0
55°	266.8	262.5	258.1	262.5	262.5	249.5	258.1	249.5	258.1	258.1	253.9
57.5°	163.5	154.9	154.9	150.6	150.6	142.0	146.2	146.2	146.2	146.2	146.2
60°	94.6	90.4	86.0	86.0	86.0	81.8	81.8	81.8	81.8	81.8	81.8
62.5°	60.2	60.2	55.9	55.9	55.9	55.9	55.9	51.6	55.9	55.9	55.9
65°	51.6	47.4	47.4	47.4	47.4	43.0	43.0	43.0	43.0	43.0	43.0
67.5°	43.0	38.8	38.8	38.8	38.8	34.4	34.4	34.4	34.4	34.4	34.4
70°	34.4	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: P212856

CATALOG NUMBER: LE_6B60D010R EC6B60709035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8
2.5°	3786.1	3743.1	3721.5	3764.6	3781.8	3760.2	3743.1	3713.0	3743.1	3760.2	3781.8
5°	3837.8	3799.0	3781.8	3811.9	3837.8	3816.2	3803.2	3773.2	3803.2	3816.2	3837.8
7.5°	3885.0	3846.4	3824.9	3854.9	3885.0	3854.9	3842.0	3816.2	3842.0	3854.9	3885.0
10°	3902.2	3859.2	3842.0	3867.9	3898.0	3867.9	3850.6	3833.4	3850.6	3867.9	3898.0
12.5°	3932.4	3889.4	3867.9	3889.4	3919.5	3889.4	3872.1	3859.2	3872.1	3889.4	3919.5
15°	3975.4	3936.6	3910.9	3932.4	3971.1	3936.6	3915.1	3910.9	3915.1	3936.6	3971.1
17.5°	3975.4	3945.2	3919.5	3936.6	3975.4	3949.6	3919.5	3928.1	3919.5	3949.6	3975.4
20°	3919.5	3889.4	3867.9	3867.9	3923.8	3889.4	3863.5	3876.5	3863.5	3889.4	3923.8
22.5°	3820.5	3794.8	3773.2	3768.9	3824.9	3794.8	3760.2	3786.1	3760.2	3794.8	3824.9
25°	3691.5	3665.6	3648.4	3639.9	3695.8	3661.4	3631.2	3657.0	3631.2	3661.4	3695.8
27.5°	3523.6	3502.1	3484.9	3472.0	3523.6	3493.5	3463.4	3489.2	3463.4	3493.5	3523.6
30°	3308.5	3295.6	3278.4	3261.2	3312.9	3282.8	3252.6	3287.0	3252.6	3282.8	3312.9
32.5°	3059.0	3050.4	3028.9	3011.6	3063.2	3028.9	3007.4	3033.1	3007.4	3028.9	3063.2
35°	2770.8	2757.9	2744.9	2714.8	2770.8	2740.6	2740.6	2749.2	2740.6	2740.6	2770.8
37.5°	2448.0	2439.5	2422.2	2396.4	2443.8	2422.2	2413.6	2439.5	2413.6	2422.2	2443.8
40°	2086.6	2082.4	2069.5	2039.4	2091.0	2069.5	2056.5	2091.0	2056.5	2069.5	2091.0
42.5°	1708.0	1699.5	1686.5	1682.2	1708.0	1690.9	1703.8	1703.8	1703.8	1690.9	1708.0
45°	1316.5	1307.9	1299.4	1282.1	1312.2	1303.6	1299.4	1307.9	1299.4	1303.6	1312.2
47.5°	955.1	946.5	937.9	925.0	955.1	942.2	942.2	950.9	942.2	942.2	955.1
50°	641.0	645.4	641.0	632.5	641.0	636.8	641.0	649.6	641.0	636.8	641.0
52.5°	425.9	425.9	417.4	413.0	421.6	417.4	430.2	421.6	430.2	417.4	421.6
55°	258.1	262.5	258.1	253.9	258.1	253.9	266.8	262.5	266.8	253.9	258.1
57.5°	146.2	146.2	150.6	146.2	154.9	150.6	150.6	150.6	150.6	150.6	154.9
60°	81.8	81.8	81.8	81.8	81.8	81.8	86.0	81.8	86.0	81.8	81.8
62.5°	55.9	55.9	55.9	51.6	55.9	51.6	55.9	55.9	55.9	51.6	55.9
65°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
67.5°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
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: P212856

CATALOG NUMBER: LE_6B60D010R EC6B60709035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8
2.5°	3764.6	3721.5	3743.1	3786.1	3725.9	3777.5	3747.4	3695.8	3695.8	3734.5	3743.1
5°	3811.9	3781.8	3799.0	3837.8	3777.5	3829.1	3794.8	3743.1	3738.8	3777.5	3790.4
7.5°	3854.9	3824.9	3846.4	3885.0	3820.5	3872.1	3842.0	3786.1	3777.5	3816.2	3829.1
10°	3867.9	3842.0	3859.2	3902.2	3837.8	3885.0	3863.5	3803.2	3799.0	3829.1	3846.4
12.5°	3889.4	3867.9	3889.4	3932.4	3867.9	3915.1	3893.6	3833.4	3824.9	3863.5	3876.5
15°	3932.4	3910.9	3936.6	3975.4	3915.1	3953.9	3932.4	3872.1	3867.9	3898.0	3915.1
17.5°	3936.6	3919.5	3945.2	3975.4	3915.1	3953.9	3936.6	3872.1	3867.9	3902.2	3915.1
20°	3867.9	3867.9	3889.4	3919.5	3854.9	3893.6	3876.5	3811.9	3811.9	3842.0	3854.9
22.5°	3768.9	3773.2	3794.8	3820.5	3756.0	3794.8	3777.5	3713.0	3717.2	3743.1	3760.2
25°	3639.9	3648.4	3665.6	3691.5	3631.2	3665.6	3639.9	3588.1	3583.9	3614.0	3635.5
27.5°	3472.0	3484.9	3502.1	3523.6	3467.8	3493.5	3476.4	3424.8	3420.4	3450.5	3472.0
30°	3261.2	3278.4	3295.6	3308.5	3256.9	3282.8	3261.2	3213.9	3213.9	3239.8	3252.6
32.5°	3011.6	3028.9	3050.4	3059.0	3007.4	3037.5	3020.2	2968.6	2968.6	2994.5	3020.2
35°	2714.8	2744.9	2757.9	2770.8	2719.1	2736.4	2744.9	2676.1	2684.6	2706.2	2740.6
37.5°	2396.4	2422.2	2439.5	2448.0	2400.8	2418.0	2422.2	2362.0	2370.6	2387.9	2426.5
40°	2039.4	2069.5	2082.4	2086.6	2052.2	2065.1	2069.5	2009.2	2022.1	2035.0	2065.1
42.5°	1682.2	1686.5	1699.5	1708.0	1677.9	1682.2	1690.9	1634.9	1652.1	1656.4	1686.5
45°	1282.1	1299.4	1307.9	1316.5	1290.8	1299.4	1299.4	1260.6	1264.9	1273.5	1299.4
47.5°	925.0	937.9	946.5	955.1	933.6	942.2	942.2	903.5	916.4	920.8	937.9
50°	632.5	641.0	645.4	641.0	641.0	641.0	641.0	619.5	632.5	619.5	641.0
52.5°	413.0	417.4	425.9	425.9	413.0	421.6	421.6	404.4	408.8	408.8	421.6
55°	253.9	258.1	262.5	258.1	253.9	258.1	258.1	249.5	258.1	249.5	262.5
57.5°	146.2	150.6	146.2	146.2	146.2	146.2	146.2	146.2	146.2	142.0	150.6
60°	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	86.0
62.5°	51.6	55.9	55.9	55.9	55.9	55.9	55.9	51.6	55.9	55.9	55.9
65°	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	47.4
67.5°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	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: P212856

CATALOG NUMBER: LE_6B60D010R EC6B60709035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8
2.5°	3738.8	3704.4	3704.4	3665.6	3700.0	3704.4	3661.4	3648.4	3695.8	3644.1	3669.9
5°	3773.2	3738.8	3738.8	3700.0	3725.9	3725.9	3682.9	3661.4	3708.6	3657.0	3678.5
7.5°	3816.2	3777.5	3768.9	3730.1	3751.6	3756.0	3704.4	3674.2	3721.5	3661.4	3682.9
10°	3829.1	3786.1	3781.8	3743.1	3760.2	3764.6	3704.4	3678.5	3717.2	3652.8	3665.6
12.5°	3859.2	3811.9	3811.9	3773.2	3786.1	3786.1	3725.9	3691.5	3725.9	3661.4	3669.9
15°	3893.6	3842.0	3842.0	3803.2	3811.9	3816.2	3743.1	3708.6	3738.8	3669.9	3678.5
17.5°	3893.6	3837.8	3837.8	3803.2	3807.6	3803.2	3734.5	3695.8	3717.2	3644.1	3648.4
20°	3833.4	3777.5	3786.1	3747.4	3751.6	3747.4	3674.2	3635.5	3657.0	3579.6	3588.1
22.5°	3734.5	3682.9	3691.5	3657.0	3657.0	3652.8	3583.9	3545.1	3566.6	3489.2	3493.5
25°	3609.8	3558.1	3566.6	3532.2	3536.5	3536.5	3467.8	3424.8	3446.2	3377.4	3377.4
27.5°	3446.2	3394.6	3407.5	3386.0	3373.1	3377.4	3317.1	3274.1	3295.6	3231.1	3231.1
30°	3235.4	3192.4	3205.2	3188.1	3175.1	3175.1	3123.5	3080.5	3102.0	3046.1	3041.8
32.5°	2985.9	2951.4	2964.4	2951.4	2938.5	2951.4	2895.5	2852.5	2874.0	2831.0	2835.2
35°	2714.8	2680.4	2689.0	2676.1	2667.5	2676.1	2620.1	2590.0	2611.5	2568.5	2585.8
37.5°	2413.6	2353.4	2379.2	2370.6	2362.0	2366.2	2314.6	2293.1	2319.0	2293.1	2306.1
40°	2060.9	2017.9	2035.0	2026.4	2017.9	2039.4	2000.6	1970.5	1992.0	1974.8	2000.6
42.5°	1677.9	1643.5	1665.0	1660.8	1647.8	1673.6	1643.5	1622.0	1656.4	1647.8	1669.4
45°	1290.8	1264.9	1282.1	1282.1	1277.8	1299.4	1269.2	1273.5	1307.9	1320.9	1346.6
47.5°	933.6	894.9	916.4	929.4	929.4	950.9	933.6	950.9	989.5	1015.4	1036.9
50°	636.8	628.1	632.5	636.8	645.4	662.6	658.2	684.1	709.9	752.9	778.8
52.5°	421.6	413.0	421.6	425.9	434.5	451.8	451.8	481.9	512.0	550.8	580.9
55°	262.5	258.1	262.5	266.8	275.4	292.5	296.9	327.0	357.1	395.9	421.6
57.5°	150.6	154.9	154.9	163.5	167.8	180.8	193.6	210.9	245.2	284.0	309.8
60°	86.0	86.0	90.4	94.6	99.0	111.9	120.5	137.6	163.5	202.2	219.4
62.5°	55.9	55.9	60.2	60.2	64.5	73.1	81.8	99.0	120.5	150.6	167.8
65°	47.4	47.4	47.4	51.6	51.6	60.2	68.9	81.8	99.0	120.5	137.6
67.5°	38.8	38.8	38.8	43.0	43.0	47.4	55.9	64.5	77.5	94.6	107.5
70°	30.1	30.1	30.1	34.4	34.4	38.8	43.0	47.4	60.2	73.1	81.8
72.5°	21.5	21.5	25.9	25.9	25.9	30.1	34.4	38.8	47.4	55.9	60.2
75°	17.2	17.2	17.2	17.2	21.5	21.5	25.9	30.1	34.4	38.8	43.0
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: P212856

CATALOG NUMBER: LE_6B60D010R EC6B60709035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8	3695.8
2.5°	3639.9	3652.8	3652.8	3639.9	3605.4	3635.5	3665.6	3635.5	3674.2	3605.4	3605.4
5°	3639.9	3648.4	3644.1	3626.9	3592.5	3618.2	3639.9	3609.8	3639.9	3575.2	3571.0
7.5°	3648.4	3639.9	3631.2	3609.8	3566.6	3583.9	3605.4	3571.0	3601.1	3532.2	3523.6
10°	3631.2	3618.2	3601.1	3571.0	3523.6	3536.5	3549.5	3519.4	3540.9	3472.0	3467.8
12.5°	3631.2	3609.8	3583.9	3549.5	3497.9	3506.5	3519.4	3480.6	3497.9	3433.2	3424.8
15°	3639.9	3601.1	3571.0	3532.2	3476.4	3480.6	3489.2	3446.2	3463.4	3394.6	3390.2
17.5°	3609.8	3566.6	3536.5	3489.2	3429.0	3433.2	3433.2	3390.2	3403.1	3334.4	3330.0
20°	3545.1	3493.5	3459.1	3416.1	3351.5	3351.5	3351.5	3308.5	3317.1	3256.9	3248.2
22.5°	3454.8	3398.9	3364.5	3321.5	3261.2	3256.9	3252.6	3218.1	3218.1	3162.2	3149.4
25°	3334.4	3282.8	3248.2	3209.6	3149.4	3140.8	3140.8	3110.6	3106.4	3054.8	3046.1
27.5°	3196.6	3136.4	3106.4	3071.9	3016.0	3007.4	3003.0	2985.9	2977.2	2921.4	2917.0
30°	3011.6	2960.0	2934.2	2904.1	2852.5	2843.9	2839.6	2822.4	2818.0	2762.1	2762.1
32.5°	2813.8	2749.2	2732.0	2701.9	2663.1	2658.9	2663.1	2641.6	2624.5	2585.8	2577.1
35°	2577.1	2512.6	2499.6	2486.8	2456.6	2448.0	2443.8	2439.5	2418.0	2392.1	2379.2
37.5°	2301.8	2245.9	2245.9	2241.5	2220.0	2220.0	2220.0	2211.4	2189.9	2181.2	2155.5
40°	2004.9	1961.9	1966.2	1970.5	1961.9	1966.2	1970.5	1961.9	1944.6	1936.1	1914.5
42.5°	1686.5	1665.0	1682.2	1695.1	1695.1	1708.0	1716.6	1716.6	1695.1	1690.9	1673.6
45°	1368.1	1363.9	1398.2	1424.1	1432.8	1454.2	1467.1	1458.5	1458.5	1458.5	1441.2
47.5°	1071.2	1088.5	1118.6	1170.2	1187.5	1213.2	1221.9	1234.8	1230.5	1234.8	1221.9
50°	813.1	851.9	890.6	942.2	968.0	998.1	1011.0	1028.2	1028.2	1032.6	1024.0
52.5°	615.2	645.4	709.9	744.2	774.4	804.5	821.8	839.0	843.2	843.2	834.6
55°	456.0	499.1	542.1	589.4	615.2	645.4	658.2	675.5	675.5	684.1	675.5
57.5°	331.2	374.2	421.6	456.0	486.1	507.6	520.6	533.5	542.1	542.1	537.8
60°	245.2	279.6	318.4	352.8	378.6	400.1	408.8	421.6	425.9	425.9	417.4
62.5°	185.0	219.4	253.9	284.0	301.1	318.4	327.0	335.6	335.6	335.6	331.2
65°	150.6	176.4	202.2	228.0	245.2	258.1	262.5	271.0	266.8	271.0	266.8
67.5°	120.5	137.6	159.2	176.4	189.2	197.9	202.2	210.9	206.5	210.9	206.5
70°	90.4	107.5	120.5	133.4	142.0	150.6	154.9	159.2	154.9	159.2	154.9
72.5°	68.9	77.5	90.4	103.2	107.5	111.9	116.1	116.1	116.1	120.5	116.1
75°	47.4	55.9	64.5	68.9	77.5	81.8	81.8	86.0	86.0	86.0	86.0
77.5°	34.4	38.8	43.0	47.4	51.6	55.9	55.9	60.2	60.2	60.2	60.2
80°	21.5	25.9	25.9	30.1	34.4	34.4	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: P212856

CATALOG NUMBER: LE_6B60D010R EC6B60709035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3695.8	3695.8	3695.8	3695.8
2.5°	3639.9	3618.2	3652.8	3601.1
5°	3601.1	3579.6	3622.6	3558.1
7.5°	3553.8	3532.2	3571.0	3506.5
10°	3493.5	3472.0	3506.5	3437.6
12.5°	3441.9	3420.4	3459.1	3394.6
15°	3403.1	3381.6	3416.1	3355.9
17.5°	3343.0	3317.1	3355.9	3291.4
20°	3256.9	3239.8	3269.8	3205.2
22.5°	3158.0	3140.8	3175.1	3110.6
25°	3054.8	3033.1	3067.6	3003.0
27.5°	2921.4	2904.1	2938.5	2874.0
30°	2762.1	2744.9	2779.4	2719.1
32.5°	2581.4	2564.2	2590.0	2538.4
35°	2374.9	2362.0	2387.9	2331.9
37.5°	2151.2	2138.2	2164.1	2108.1
40°	1910.2	1897.4	1918.9	1893.0
42.5°	1673.6	1660.8	1682.2	1660.8
45°	1441.2	1432.8	1454.2	1432.8
47.5°	1226.1	1217.6	1239.1	1217.6
50°	1019.6	1024.0	1032.6	1024.0
52.5°	834.6	834.6	847.6	834.6
55°	675.5	679.8	684.1	675.5
57.5°	537.8	537.8	542.1	537.8
60°	417.4	421.6	421.6	417.4
62.5°	331.2	331.2	331.2	331.2
65°	262.5	262.5	266.8	262.5
67.5°	206.5	202.2	206.5	202.2
70°	154.9	154.9	154.9	154.9
72.5°	120.5	120.5	116.1	116.1
75°	86.0	90.4	86.0	86.0
77.5°	60.2	60.2	60.2	60.2
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)