

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: P212858

Luminaire Tested: **LE_6B60D010R EC6B60709050 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212858
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 EC6B60709050 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6216.4 lumens
Efficiency: N/A
Efficacy: 99.5 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

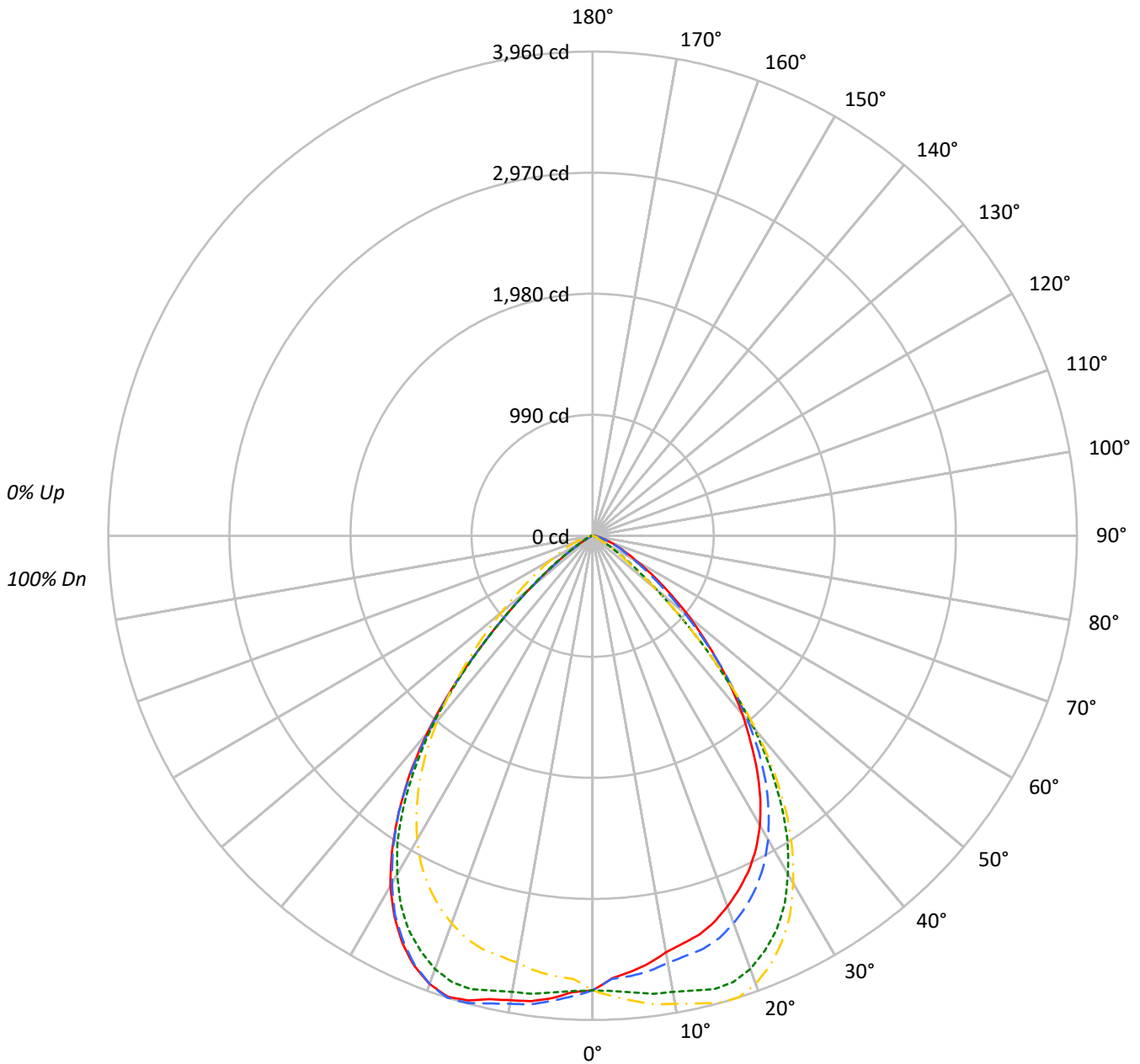
Input Watts (W): 62.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	98	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	70	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°	203827	203827	203827	203827
5°	196984	206273	208892	206273
10°	192515	210829	214681	210829
15°	191607	217901	223299	217901
20°	188118	219936	227514	219936
25°	182744	215214	222539	215214
30°	173166	202208	209330	202208
35°	157002	180170	185103	180170
40°	136291	146818	150539	146818
45°	111748	101336	102018	101336
50°	87852	56851	55742	56851
55°	64953	28138	25232	28138
60°	46038	12335	9012	12335
65°	34245	7861	5604	7861
70°	24988	6251	4167	6251
75°	18343	4575	2754	4575
80°	12312	4104	1389	4104
85°	8177	2768	2768	2768



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	355.9	5.7
10°-20°	1054.2	17.0
20°-30°	1573.2	25.3
30°-40°	1616.3	26.0
40°-50°	1046.7	16.8
50°-60°	389.2	6.3
60°-70°	127.7	2.1
70°-80°	45.0	0.7
80°-90°	8.1	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°	2983.3	48.0
0°-40°	4599.7	74.0
0°-60°	6035.6	97.1
0°-90°	6216.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6216.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3718	3718	3718	3718	3718	
5°	3580	3748	3796	3748	3580	338
15°	3376	3839	3934	3839	3376	950
25°	3021	3558	3679	3558	3021	1385
35°	2346	2692	2766	2692	2346	1457
45°	1441	1307	1316	1307	1441	1115
55°	680	294	264	294	680	620
65°	264	61	43	61	264	268
75°	87	22	13	22	87	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°	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1
2.5°	3622.9	3674.9	3640.2	3661.9	3627.2	3627.2	3696.5	3657.5	3687.9	3657.5	3627.2
5°	3579.6	3644.5	3601.2	3622.9	3592.6	3596.9	3661.9	3631.5	3661.9	3640.2	3614.2
7.5°	3527.6	3592.6	3553.6	3575.2	3545.0	3553.6	3622.9	3592.6	3627.2	3605.6	3588.2
10°	3458.4	3527.6	3493.0	3514.6	3488.8	3493.0	3562.2	3540.6	3571.0	3558.0	3545.0
12.5°	3415.1	3480.0	3441.1	3462.8	3445.4	3454.1	3519.0	3501.8	3540.6	3527.6	3519.0
15°	3376.1	3436.8	3402.1	3423.8	3410.8	3415.1	3484.4	3467.1	3510.4	3501.8	3497.4
17.5°	3311.2	3376.1	3337.2	3363.2	3350.2	3354.5	3423.8	3410.8	3454.1	3454.1	3449.8
20°	3224.6	3289.6	3259.2	3276.6	3268.0	3276.6	3337.2	3328.6	3371.9	3371.9	3371.9
22.5°	3129.5	3194.4	3159.8	3177.1	3168.4	3181.4	3237.6	3237.6	3272.2	3276.6	3281.0
25°	3021.2	3086.1	3051.5	3073.1	3064.5	3073.1	3125.1	3129.5	3159.8	3159.8	3168.4
27.5°	2891.4	2956.4	2921.8	2939.0	2934.6	2939.0	2995.2	3003.9	3021.2	3025.6	3034.2
30°	2735.6	2796.1	2761.5	2778.9	2778.9	2778.9	2835.1	2839.5	2856.8	2861.1	2869.8
32.5°	2553.8	2605.8	2579.8	2597.0	2592.8	2601.4	2640.4	2657.6	2679.2	2675.0	2679.2
35°	2346.0	2402.2	2376.2	2389.2	2393.6	2406.6	2432.6	2454.2	2458.5	2462.9	2471.5
37.5°	2120.9	2177.2	2151.2	2164.2	2168.5	2194.5	2203.1	2224.9	2233.5	2233.5	2233.5
40°	1904.5	1930.5	1908.9	1921.9	1926.1	1947.8	1956.5	1973.8	1982.4	1978.1	1973.8
42.5°	1670.8	1692.4	1670.8	1683.8	1683.8	1701.1	1705.4	1727.0	1727.0	1718.4	1705.4
45°	1441.4	1463.0	1441.4	1450.0	1450.0	1467.4	1467.4	1467.4	1476.0	1463.0	1441.4
47.5°	1225.0	1246.6	1225.0	1233.6	1229.2	1242.2	1237.9	1242.2	1229.2	1220.6	1194.6
50°	1030.1	1038.9	1030.1	1025.9	1030.1	1038.9	1034.5	1034.5	1017.1	1004.2	973.9
52.5°	839.8	852.8	839.8	839.8	839.8	848.4	848.4	844.0	826.8	809.4	779.1
55°	679.6	688.2	683.9	679.6	679.6	688.2	679.6	679.6	662.2	649.2	619.0
57.5°	541.0	545.4	541.0	541.0	541.0	545.4	545.4	536.8	523.8	510.8	489.1
60°	419.9	424.1	424.1	419.9	419.9	428.5	428.5	424.1	411.2	402.5	380.9
62.5°	333.2	333.2	333.2	333.2	333.2	337.6	337.6	337.6	329.0	320.2	303.0
65°	264.0	268.4	264.0	264.0	268.4	272.8	268.4	272.8	264.0	259.8	246.8
67.5°	203.4	207.8	203.4	207.8	207.8	212.1	207.8	212.1	203.4	199.1	190.5
70°	155.9	155.9	155.9	155.9	155.9	160.1	155.9	160.1	155.9	151.5	142.9
72.5°	116.9	116.9	121.2	121.2	116.9	121.2	116.9	116.9	116.9	112.5	108.2
75°	86.6	86.6	90.9	86.6	86.6	86.6	86.6	86.6	82.2	82.2	77.9
77.5°	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	56.2	56.2	52.0
80°	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	34.6	34.6
82.5°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	21.6	21.6
85°	13.0	13.0	13.0	17.4	13.0	13.0	13.0	13.0	13.0	13.0	13.0
87.5°	4.4	4.4	4.4	8.6	4.4	4.4	8.6	8.6	4.4	4.4	4.4
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°	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1
2.5°	3661.9	3674.9	3674.9	3661.9	3692.1	3666.1	3718.1	3670.5	3683.5	3726.8	3722.5
5°	3648.9	3666.1	3670.5	3661.9	3700.8	3679.1	3731.1	3683.5	3705.1	3748.4	3748.4
7.5°	3631.5	3653.2	3661.9	3670.5	3705.1	3683.5	3744.1	3696.5	3726.8	3778.8	3774.4
10°	3592.6	3622.9	3640.2	3653.2	3687.9	3674.9	3739.8	3700.8	3726.8	3787.4	3783.0
12.5°	3571.0	3605.6	3631.5	3653.2	3692.1	3683.5	3748.4	3713.8	3748.4	3809.0	3809.0
15°	3553.6	3592.6	3622.9	3661.9	3700.8	3692.1	3761.4	3731.1	3765.8	3839.4	3835.0
17.5°	3510.4	3558.0	3588.2	3631.5	3670.5	3666.1	3739.8	3718.1	3757.1	3826.4	3830.6
20°	3436.8	3480.0	3514.6	3566.6	3609.9	3601.2	3679.1	3657.5	3696.5	3770.0	3774.4
22.5°	3341.5	3384.9	3419.5	3475.8	3514.6	3510.4	3588.2	3566.6	3605.6	3674.9	3679.1
25°	3229.0	3268.0	3302.6	3354.5	3397.9	3397.9	3467.1	3445.4	3488.8	3558.0	3558.0
27.5°	3090.5	3125.1	3155.4	3216.0	3250.6	3250.6	3315.6	3293.9	3337.2	3397.9	3393.5
30°	2921.8	2952.0	2978.0	3029.9	3060.2	3064.5	3120.8	3099.1	3142.5	3194.4	3194.4
32.5°	2718.2	2748.5	2765.9	2830.8	2852.4	2848.1	2891.4	2869.8	2913.0	2969.2	2956.4
35°	2501.9	2514.9	2527.8	2592.8	2601.4	2584.1	2627.4	2605.8	2636.0	2692.2	2683.6
37.5°	2255.1	2259.5	2259.5	2315.8	2320.0	2307.0	2333.0	2307.0	2328.8	2380.6	2376.2
40°	1982.4	1978.1	1973.8	2017.0	2012.8	1986.8	2004.1	1982.4	2012.8	2051.6	2030.0
42.5°	1705.4	1692.4	1675.1	1696.8	1679.4	1657.8	1666.5	1631.9	1653.5	1683.8	1657.8
45°	1432.8	1406.8	1372.1	1376.5	1354.8	1328.9	1315.9	1281.2	1276.9	1307.1	1285.5
47.5°	1177.4	1125.4	1095.1	1077.8	1043.1	1021.5	995.5	956.6	939.2	956.6	935.0
50°	947.9	896.0	857.0	818.1	783.5	757.5	714.2	688.2	662.2	666.6	649.2
52.5°	748.9	714.2	649.2	619.0	584.4	554.0	515.1	484.8	454.5	454.5	437.1
55°	593.0	545.4	502.1	458.9	424.1	398.2	359.2	329.0	298.6	294.4	277.0
57.5°	458.9	424.1	376.6	333.2	311.6	285.6	246.8	212.1	194.8	181.8	168.8
60°	354.9	320.2	281.4	246.8	220.8	203.4	164.5	138.5	121.2	112.5	99.5
62.5°	285.6	255.4	220.8	186.1	168.8	151.5	121.2	99.5	82.2	73.6	64.9
65°	229.4	203.4	177.5	151.5	138.5	121.2	99.5	82.2	69.2	60.6	52.0
67.5°	177.5	160.1	138.5	121.2	108.2	95.2	77.9	64.9	56.2	47.6	43.2
70°	134.1	121.2	108.2	90.9	82.2	73.6	60.6	47.6	43.2	39.0	34.6
72.5°	103.9	90.9	77.9	69.2	60.6	56.2	47.6	39.0	34.6	30.2	26.0
75°	69.2	64.9	56.2	47.6	43.2	39.0	34.6	30.2	26.0	21.6	21.6
77.5°	47.6	43.2	39.0	34.6	30.2	30.2	26.0	21.6	17.4	17.4	13.0
80°	30.2	26.0	26.0	21.6	21.6	21.6	17.4	13.0	13.0	13.0	8.6
82.5°	21.6	17.4	17.4	13.0	13.0	13.0	13.0	8.6	8.6	8.6	4.4
85°	13.0	8.6	8.6	8.6	8.6	8.6	8.6	4.4	4.4	4.4	4.4
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	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°	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1
2.5°	3687.9	3726.8	3726.8	3761.4	3765.8	3757.1	3718.1	3718.1	3770.0	3800.4	3748.4
5°	3722.5	3761.4	3761.4	3796.0	3813.4	3800.4	3761.4	3765.8	3817.6	3852.2	3800.4
7.5°	3752.8	3791.8	3800.4	3839.4	3852.2	3839.4	3800.4	3809.0	3865.2	3895.6	3843.6
10°	3765.8	3804.8	3809.0	3852.2	3869.6	3852.2	3822.0	3826.4	3886.9	3908.6	3861.0
12.5°	3796.0	3835.0	3835.0	3882.6	3899.9	3886.9	3848.0	3856.6	3917.2	3938.9	3891.2
15°	3826.4	3865.2	3865.2	3917.2	3938.9	3921.5	3891.2	3895.6	3956.1	3977.9	3938.9
17.5°	3826.4	3861.0	3861.0	3917.2	3938.9	3925.9	3891.2	3895.6	3960.5	3977.9	3938.9
20°	3770.0	3809.0	3800.4	3856.6	3878.2	3865.2	3835.0	3835.0	3899.9	3917.2	3878.2
22.5°	3679.1	3713.8	3705.1	3757.1	3783.0	3765.8	3739.8	3735.4	3800.4	3817.6	3778.8
25°	3553.6	3588.2	3579.6	3631.5	3657.5	3635.9	3605.6	3609.9	3661.9	3687.9	3653.2
27.5°	3406.5	3428.1	3415.1	3467.1	3493.0	3471.4	3441.1	3445.4	3497.4	3514.6	3488.8
30°	3207.4	3224.6	3211.8	3255.0	3272.2	3259.2	3233.4	3233.4	3281.0	3302.6	3276.6
32.5°	2969.2	2982.2	2969.2	3003.9	3038.5	3012.6	2986.6	2986.6	3038.5	3055.9	3025.6
35°	2692.2	2705.2	2696.6	2731.2	2757.2	2722.6	2701.0	2692.2	2761.5	2752.9	2735.6
37.5°	2385.0	2393.6	2367.6	2428.2	2441.2	2402.2	2385.0	2376.2	2436.9	2432.6	2415.2
40°	2038.8	2047.4	2030.0	2073.4	2077.6	2047.4	2034.4	2021.4	2082.0	2077.6	2064.6
42.5°	1670.8	1675.1	1653.5	1688.1	1696.8	1666.5	1662.1	1644.8	1701.1	1692.4	1688.1
45°	1289.9	1289.9	1272.5	1298.5	1307.1	1281.2	1272.5	1268.2	1307.1	1307.1	1298.5
47.5°	935.0	922.0	900.4	939.2	943.6	926.2	922.0	909.0	947.9	947.9	939.2
50°	640.6	636.2	632.0	640.6	644.9	623.2	636.2	623.2	644.9	644.9	644.9
52.5°	428.5	424.1	415.5	424.1	424.1	411.2	411.2	406.9	424.1	424.1	415.5
55°	268.4	264.0	259.8	264.0	264.0	251.0	259.8	251.0	259.8	259.8	255.4
57.5°	164.5	155.9	155.9	151.5	151.5	142.9	147.1	147.1	147.1	147.1	147.1
60°	95.2	90.9	86.6	86.6	86.6	82.2	82.2	82.2	82.2	82.2	82.2
62.5°	60.6	60.6	56.2	56.2	56.2	56.2	56.2	52.0	56.2	56.2	56.2
65°	52.0	47.6	47.6	47.6	47.6	43.2	43.2	43.2	43.2	43.2	43.2
67.5°	43.2	39.0	39.0	39.0	39.0	34.6	34.6	34.6	34.6	34.6	34.6
70°	34.6	30.2	30.2	30.2	30.2	30.2	26.0	30.2	30.2	26.0	26.0
72.5°	26.0	26.0	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
75°	17.4	17.4	17.4	17.4	17.4	13.0	13.0	13.0	13.0	13.0	13.0
77.5°	13.0	13.0	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	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	4.4	4.4	4.4	4.4	4.4	0.0	4.4	0.0	4.4	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: P212858

CATALOG NUMBER: LE_6B60D010R EC6B60709050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1
2.5°	3809.0	3765.8	3744.1	3787.4	3804.8	3783.0	3765.8	3735.4	3765.8	3783.0	3804.8
5°	3861.0	3822.0	3804.8	3835.0	3861.0	3839.4	3826.4	3796.0	3826.4	3839.4	3861.0
7.5°	3908.6	3869.6	3848.0	3878.2	3908.6	3878.2	3865.2	3839.4	3865.2	3878.2	3908.6
10°	3925.9	3882.6	3865.2	3891.2	3921.5	3891.2	3874.0	3856.6	3874.0	3891.2	3921.5
12.5°	3956.1	3912.9	3891.2	3912.9	3943.2	3912.9	3895.6	3882.6	3895.6	3912.9	3943.2
15°	3999.5	3960.5	3934.5	3956.1	3995.1	3960.5	3938.9	3934.5	3938.9	3960.5	3995.1
17.5°	3999.5	3969.1	3943.2	3960.5	3999.5	3973.5	3943.2	3951.9	3943.2	3973.5	3999.5
20°	3943.2	3912.9	3891.2	3891.2	3947.5	3912.9	3886.9	3899.9	3886.9	3912.9	3947.5
22.5°	3843.6	3817.6	3796.0	3791.8	3848.0	3817.6	3783.0	3809.0	3783.0	3817.6	3848.0
25°	3713.8	3687.9	3670.5	3661.9	3718.1	3683.5	3653.2	3679.1	3653.2	3683.5	3718.1
27.5°	3545.0	3523.4	3506.0	3493.0	3545.0	3514.6	3484.4	3510.4	3484.4	3514.6	3545.0
30°	3328.6	3315.6	3298.2	3281.0	3332.9	3302.6	3272.2	3306.9	3272.2	3302.6	3332.9
32.5°	3077.5	3068.9	3047.2	3029.9	3081.9	3047.2	3025.6	3051.5	3025.6	3047.2	3081.9
35°	2787.5	2774.5	2761.5	2731.2	2787.5	2757.2	2757.2	2765.9	2757.2	2757.2	2787.5
37.5°	2462.9	2454.2	2436.9	2410.9	2458.5	2436.9	2428.2	2454.2	2428.2	2436.9	2458.5
40°	2099.2	2095.0	2082.0	2051.6	2103.6	2082.0	2069.0	2103.6	2069.0	2082.0	2103.6
42.5°	1718.4	1709.8	1696.8	1692.4	1718.4	1701.1	1714.0	1714.0	1714.0	1701.1	1718.4
45°	1324.5	1315.9	1307.1	1289.9	1320.1	1311.5	1307.1	1315.9	1307.1	1311.5	1320.1
47.5°	960.9	952.2	943.6	930.6	960.9	947.9	947.9	956.6	947.9	947.9	960.9
50°	644.9	649.2	644.9	636.2	644.9	640.6	644.9	653.6	644.9	640.6	644.9
52.5°	428.5	428.5	419.9	415.5	424.1	419.9	432.9	424.1	432.9	419.9	424.1
55°	259.8	264.0	259.8	255.4	259.8	255.4	268.4	264.0	268.4	255.4	259.8
57.5°	147.1	147.1	151.5	147.1	155.9	151.5	151.5	151.5	151.5	151.5	155.9
60°	82.2	82.2	82.2	82.2	82.2	82.2	86.6	82.2	86.6	82.2	82.2
62.5°	56.2	56.2	56.2	52.0	56.2	52.0	56.2	56.2	56.2	52.0	56.2
65°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
67.5°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
70°	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0
72.5°	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
75°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4	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: P212858

CATALOG NUMBER: LE_6B60D010R EC6B60709050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1
2.5°	3787.4	3744.1	3765.8	3809.0	3748.4	3800.4	3770.0	3718.1	3718.1	3757.1	3765.8
5°	3835.0	3804.8	3822.0	3861.0	3800.4	3852.2	3817.6	3765.8	3761.4	3800.4	3813.4
7.5°	3878.2	3848.0	3869.6	3908.6	3843.6	3895.6	3865.2	3809.0	3800.4	3839.4	3852.2
10°	3891.2	3865.2	3882.6	3925.9	3861.0	3908.6	3886.9	3826.4	3822.0	3852.2	3869.6
12.5°	3912.9	3891.2	3912.9	3956.1	3891.2	3938.9	3917.2	3856.6	3848.0	3886.9	3899.9
15°	3956.1	3934.5	3960.5	3999.5	3938.9	3977.9	3956.1	3895.6	3891.2	3921.5	3938.9
17.5°	3960.5	3943.2	3969.1	3999.5	3938.9	3977.9	3960.5	3895.6	3891.2	3925.9	3938.9
20°	3891.2	3891.2	3912.9	3943.2	3878.2	3917.2	3899.9	3835.0	3835.0	3865.2	3878.2
22.5°	3791.8	3796.0	3817.6	3843.6	3778.8	3817.6	3800.4	3735.4	3739.8	3765.8	3783.0
25°	3661.9	3670.5	3687.9	3713.8	3653.2	3687.9	3661.9	3609.9	3605.6	3635.9	3657.5
27.5°	3493.0	3506.0	3523.4	3545.0	3488.8	3514.6	3497.4	3445.4	3441.1	3471.4	3493.0
30°	3281.0	3298.2	3315.6	3328.6	3276.6	3302.6	3281.0	3233.4	3233.4	3259.2	3272.2
32.5°	3029.9	3047.2	3068.9	3077.5	3025.6	3055.9	3038.5	2986.6	2986.6	3012.6	3038.5
35°	2731.2	2761.5	2774.5	2787.5	2735.6	2752.9	2761.5	2692.2	2701.0	2722.6	2757.2
37.5°	2410.9	2436.9	2454.2	2462.9	2415.2	2432.6	2436.9	2376.2	2385.0	2402.2	2441.2
40°	2051.6	2082.0	2095.0	2099.2	2064.6	2077.6	2082.0	2021.4	2034.4	2047.4	2077.6
42.5°	1692.4	1696.8	1709.8	1718.4	1688.1	1692.4	1701.1	1644.8	1662.1	1666.5	1696.8
45°	1289.9	1307.1	1315.9	1324.5	1298.5	1307.1	1307.1	1268.2	1272.5	1281.2	1307.1
47.5°	930.6	943.6	952.2	960.9	939.2	947.9	947.9	909.0	922.0	926.2	943.6
50°	636.2	644.9	649.2	644.9	644.9	644.9	644.9	623.2	636.2	623.2	644.9
52.5°	415.5	419.9	428.5	428.5	415.5	424.1	424.1	406.9	411.2	411.2	424.1
55°	255.4	259.8	264.0	259.8	255.4	259.8	259.8	251.0	259.8	251.0	264.0
57.5°	147.1	151.5	147.1	147.1	147.1	147.1	147.1	147.1	147.1	142.9	151.5
60°	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	86.6
62.5°	52.0	56.2	56.2	56.2	56.2	56.2	56.2	52.0	56.2	56.2	56.2
65°	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	47.6
67.5°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	39.0
70°	26.0	26.0	26.0	26.0	26.0	26.0	30.2	30.2	26.0	30.2	30.2
72.5°	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
75°	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0	17.4
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°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	8.6
82.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.4	0.0	4.4	0.0	4.4
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: P212858

CATALOG NUMBER: LE_6B60D010R EC6B60709050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1
2.5°	3761.4	3726.8	3726.8	3687.9	3722.5	3726.8	3683.5	3670.5	3718.1	3666.1	3692.1
5°	3796.0	3761.4	3761.4	3722.5	3748.4	3748.4	3705.1	3683.5	3731.1	3679.1	3700.8
7.5°	3839.4	3800.4	3791.8	3752.8	3774.4	3778.8	3726.8	3696.5	3744.1	3683.5	3705.1
10°	3852.2	3809.0	3804.8	3765.8	3783.0	3787.4	3726.8	3700.8	3739.8	3674.9	3687.9
12.5°	3882.6	3835.0	3835.0	3796.0	3809.0	3809.0	3748.4	3713.8	3748.4	3683.5	3692.1
15°	3917.2	3865.2	3865.2	3826.4	3835.0	3839.4	3765.8	3731.1	3761.4	3692.1	3700.8
17.5°	3917.2	3861.0	3861.0	3826.4	3830.6	3826.4	3757.1	3718.1	3739.8	3666.1	3670.5
20°	3856.6	3800.4	3809.0	3770.0	3774.4	3770.0	3696.5	3657.5	3679.1	3601.2	3609.9
22.5°	3757.1	3705.1	3713.8	3679.1	3679.1	3674.9	3605.6	3566.6	3588.2	3510.4	3514.6
25°	3631.5	3579.6	3588.2	3553.6	3558.0	3558.0	3488.8	3445.4	3467.1	3397.9	3397.9
27.5°	3467.1	3415.1	3428.1	3406.5	3393.5	3397.9	3337.2	3293.9	3315.6	3250.6	3250.6
30°	3255.0	3211.8	3224.6	3207.4	3194.4	3194.4	3142.5	3099.1	3120.8	3064.5	3060.2
32.5°	3003.9	2969.2	2982.2	2969.2	2956.4	2969.2	2913.0	2869.8	2891.4	2848.1	2852.4
35°	2731.2	2696.6	2705.2	2692.2	2683.6	2692.2	2636.0	2605.8	2627.4	2584.1	2601.4
37.5°	2428.2	2367.6	2393.6	2385.0	2376.2	2380.6	2328.8	2307.0	2333.0	2307.0	2320.0
40°	2073.4	2030.0	2047.4	2038.8	2030.0	2051.6	2012.8	1982.4	2004.1	1986.8	2012.8
42.5°	1688.1	1653.5	1675.1	1670.8	1657.8	1683.8	1653.5	1631.9	1666.5	1657.8	1679.4
45°	1298.5	1272.5	1289.9	1289.9	1285.5	1307.1	1276.9	1281.2	1315.9	1328.9	1354.8
47.5°	939.2	900.4	922.0	935.0	935.0	956.6	939.2	956.6	995.5	1021.5	1043.1
50°	640.6	632.0	636.2	640.6	649.2	666.6	662.2	688.2	714.2	757.5	783.5
52.5°	424.1	415.5	424.1	428.5	437.1	454.5	454.5	484.8	515.1	554.0	584.4
55°	264.0	259.8	264.0	268.4	277.0	294.4	298.6	329.0	359.2	398.2	424.1
57.5°	151.5	155.9	155.9	164.5	168.8	181.8	194.8	212.1	246.8	285.6	311.6
60°	86.6	86.6	90.9	95.2	99.5	112.5	121.2	138.5	164.5	203.4	220.8
62.5°	56.2	56.2	60.6	60.6	64.9	73.6	82.2	99.5	121.2	151.5	168.8
65°	47.6	47.6	47.6	52.0	52.0	60.6	69.2	82.2	99.5	121.2	138.5
67.5°	39.0	39.0	39.0	43.2	43.2	47.6	56.2	64.9	77.9	95.2	108.2
70°	30.2	30.2	30.2	34.6	34.6	39.0	43.2	47.6	60.6	73.6	82.2
72.5°	21.6	21.6	26.0	26.0	26.0	30.2	34.6	39.0	47.6	56.2	60.6
75°	17.4	17.4	17.4	17.4	21.6	21.6	26.0	30.2	34.6	39.0	43.2
77.5°	8.6	8.6	13.0	13.0	13.0	17.4	17.4	21.6	26.0	30.2	30.2
80°	8.6	8.6	8.6	8.6	8.6	13.0	13.0	13.0	17.4	21.6	21.6
82.5°	4.4	4.4	4.4	4.4	4.4	8.6	8.6	8.6	13.0	13.0	13.0
85°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	8.6	8.6	8.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.4	4.4	4.4	4.4	4.4
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: P212858

CATALOG NUMBER: LE_6B60D010R EC6B60709050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1	3718.1
2.5°	3661.9	3674.9	3674.9	3661.9	3627.2	3657.5	3687.9	3657.5	3696.5	3627.2	3627.2
5°	3661.9	3670.5	3666.1	3648.9	3614.2	3640.2	3661.9	3631.5	3661.9	3596.9	3592.6
7.5°	3670.5	3661.9	3653.2	3631.5	3588.2	3605.6	3627.2	3592.6	3622.9	3553.6	3545.0
10°	3653.2	3640.2	3622.9	3592.6	3545.0	3558.0	3571.0	3540.6	3562.2	3493.0	3488.8
12.5°	3653.2	3631.5	3605.6	3571.0	3519.0	3527.6	3540.6	3501.8	3519.0	3454.1	3445.4
15°	3661.9	3622.9	3592.6	3553.6	3497.4	3501.8	3510.4	3467.1	3484.4	3415.1	3410.8
17.5°	3631.5	3588.2	3558.0	3510.4	3449.8	3454.1	3454.1	3410.8	3423.8	3354.5	3350.2
20°	3566.6	3514.6	3480.0	3436.8	3371.9	3371.9	3371.9	3328.6	3337.2	3276.6	3268.0
22.5°	3475.8	3419.5	3384.9	3341.5	3281.0	3276.6	3272.2	3237.6	3237.6	3181.4	3168.4
25°	3354.5	3302.6	3268.0	3229.0	3168.4	3159.8	3159.8	3129.5	3125.1	3073.1	3064.5
27.5°	3216.0	3155.4	3125.1	3090.5	3034.2	3025.6	3021.2	3003.9	2995.2	2939.0	2934.6
30°	3029.9	2978.0	2952.0	2921.8	2869.8	2861.1	2856.8	2839.5	2835.1	2778.9	2778.9
32.5°	2830.8	2765.9	2748.5	2718.2	2679.2	2675.0	2679.2	2657.6	2640.4	2601.4	2592.8
35°	2592.8	2527.8	2514.9	2501.9	2471.5	2462.9	2458.5	2454.2	2432.6	2406.6	2393.6
37.5°	2315.8	2259.5	2259.5	2255.1	2233.5	2233.5	2233.5	2224.9	2203.1	2194.5	2168.5
40°	2017.0	1973.8	1978.1	1982.4	1973.8	1978.1	1982.4	1973.8	1956.5	1947.8	1926.1
42.5°	1696.8	1675.1	1692.4	1705.4	1705.4	1718.4	1727.0	1727.0	1705.4	1701.1	1683.8
45°	1376.5	1372.1	1406.8	1432.8	1441.4	1463.0	1476.0	1467.4	1467.4	1467.4	1450.0
47.5°	1077.8	1095.1	1125.4	1177.4	1194.6	1220.6	1229.2	1242.2	1237.9	1242.2	1229.2
50°	818.1	857.0	896.0	947.9	973.9	1004.2	1017.1	1034.5	1034.5	1038.9	1030.1
52.5°	619.0	649.2	714.2	748.9	779.1	809.4	826.8	844.0	848.4	848.4	839.8
55°	458.9	502.1	545.4	593.0	619.0	649.2	662.2	679.6	679.6	688.2	679.6
57.5°	333.2	376.6	424.1	458.9	489.1	510.8	523.8	536.8	545.4	545.4	541.0
60°	246.8	281.4	320.2	354.9	380.9	402.5	411.2	424.1	428.5	428.5	419.9
62.5°	186.1	220.8	255.4	285.6	303.0	320.2	329.0	337.6	337.6	337.6	333.2
65°	151.5	177.5	203.4	229.4	246.8	259.8	264.0	272.8	268.4	272.8	268.4
67.5°	121.2	138.5	160.1	177.5	190.5	199.1	203.4	212.1	207.8	212.1	207.8
70°	90.9	108.2	121.2	134.1	142.9	151.5	155.9	160.1	155.9	160.1	155.9
72.5°	69.2	77.9	90.9	103.9	108.2	112.5	116.9	116.9	116.9	121.2	116.9
75°	47.6	56.2	64.9	69.2	77.9	82.2	82.2	86.6	86.6	86.6	86.6
77.5°	34.6	39.0	43.2	47.6	52.0	56.2	56.2	60.6	60.6	60.6	60.6
80°	21.6	26.0	26.0	30.2	34.6	34.6	39.0	39.0	39.0	39.0	39.0
82.5°	13.0	17.4	17.4	21.6	21.6	21.6	26.0	26.0	26.0	26.0	26.0
85°	8.6	8.6	8.6	13.0	13.0	13.0	13.0	13.0	13.0	13.0	13.0
87.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	8.6	8.6	4.4	4.4
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: P212858

CATALOG NUMBER: LE_6B60D010R EC6B60709050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3718.1	3718.1	3718.1	3718.1
2.5°	3661.9	3640.2	3674.9	3622.9
5°	3622.9	3601.2	3644.5	3579.6
7.5°	3575.2	3553.6	3592.6	3527.6
10°	3514.6	3493.0	3527.6	3458.4
12.5°	3462.8	3441.1	3480.0	3415.1
15°	3423.8	3402.1	3436.8	3376.1
17.5°	3363.2	3337.2	3376.1	3311.2
20°	3276.6	3259.2	3289.6	3224.6
22.5°	3177.1	3159.8	3194.4	3129.5
25°	3073.1	3051.5	3086.1	3021.2
27.5°	2939.0	2921.8	2956.4	2891.4
30°	2778.9	2761.5	2796.1	2735.6
32.5°	2597.0	2579.8	2605.8	2553.8
35°	2389.2	2376.2	2402.2	2346.0
37.5°	2164.2	2151.2	2177.2	2120.9
40°	1921.9	1908.9	1930.5	1904.5
42.5°	1683.8	1670.8	1692.4	1670.8
45°	1450.0	1441.4	1463.0	1441.4
47.5°	1233.6	1225.0	1246.6	1225.0
50°	1025.9	1030.1	1038.9	1030.1
52.5°	839.8	839.8	852.8	839.8
55°	679.6	683.9	688.2	679.6
57.5°	541.0	541.0	545.4	541.0
60°	419.9	424.1	424.1	419.9
62.5°	333.2	333.2	333.2	333.2
65°	264.0	264.0	268.4	264.0
67.5°	207.8	203.4	207.8	203.4
70°	155.9	155.9	155.9	155.9
72.5°	121.2	121.2	116.9	116.9
75°	86.6	90.9	86.6	86.6
77.5°	60.6	60.6	60.6	60.6
80°	39.0	39.0	39.0	39.0
82.5°	26.0	26.0	26.0	26.0
85°	17.4	13.0	13.0	13.0
87.5°	8.6	4.4	4.4	4.4
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)