

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: P212855

Luminaire Tested: **LE_6B60D010R EC6B60709030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212855
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 EC6B60709030 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

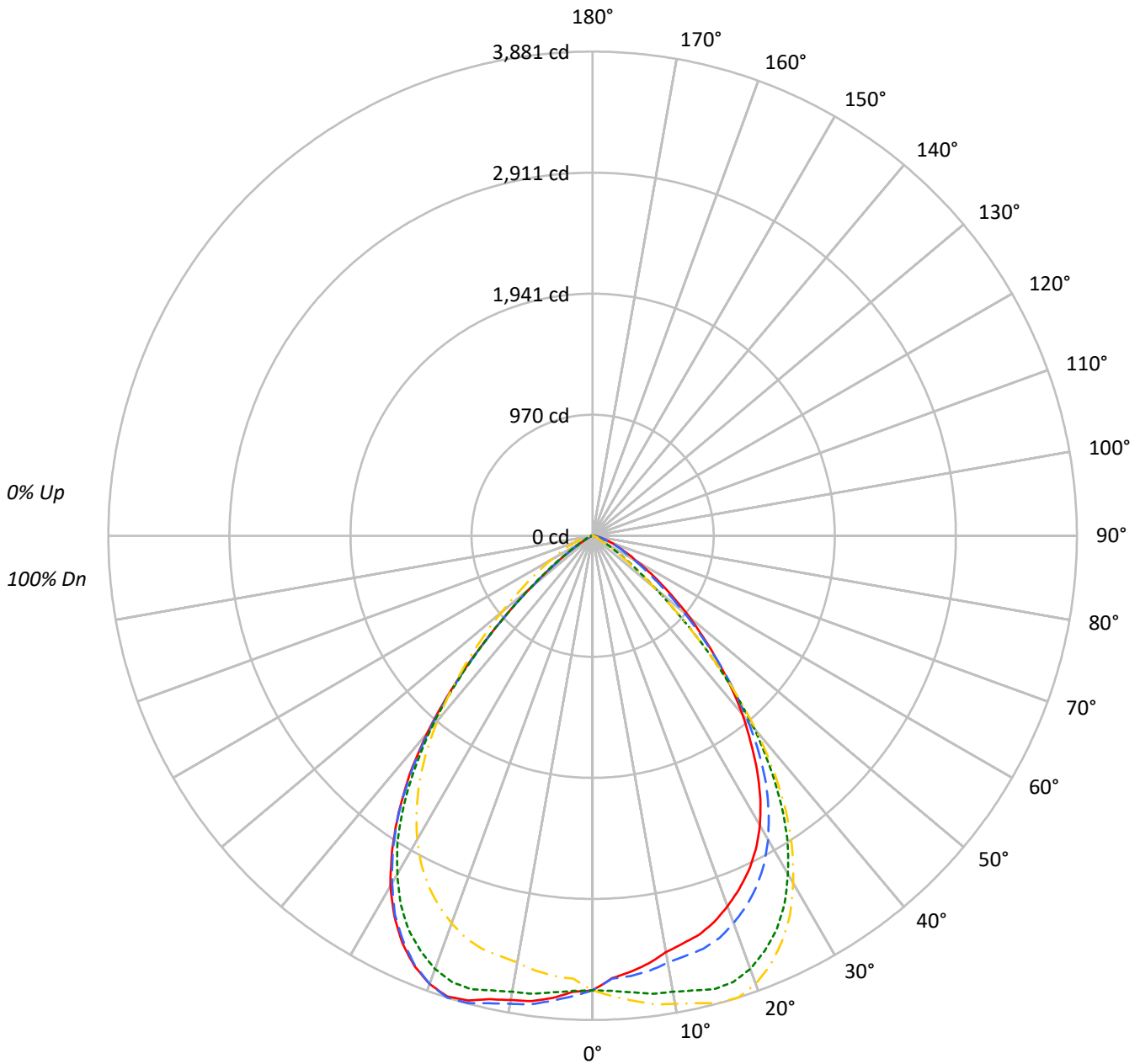
Lumens per Lamp: N/A
Luminaire Lumens: 6091.7 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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°	199737	199737	199737	199737
5°	193033	202135	204705	202135
10°	188652	206598	210372	206598
15°	187771	213520	218821	213520
20°	184349	215525	222946	215525
25°	179079	210895	218081	210895
30°	169697	198144	205133	198144
35°	153856	176556	181388	176556
40°	133550	143877	147519	143877
45°	109507	99313	99972	99313
50°	86095	55708	54625	55708
55°	63644	27564	24735	27564
60°	45106	12082	8837	12082
65°	33570	7705	5500	7705
70°	24491	6107	4087	6107
75°	17983	4490	2711	4490
80°	12028	4041	1326	4041
85°	8051	2642	2642	2642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.8	5.7
10°-20°	1033.1	17.0
20°-30°	1541.6	25.3
30°-40°	1583.9	26.0
40°-50°	1025.7	16.8
50°-60°	381.4	6.3
60°-70°	125.1	2.1
70°-80°	44.2	0.7
80°-90°	7.9	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°	2923.5	48.0
0°-40°	4507.4	74.0
0°-60°	5914.5	97.1
0°-90°	6091.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6091.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3644	3644	3644	3644	3644	
5°	3508	3673	3720	3673	3508	331
15°	3308	3762	3856	3762	3308	930
25°	2961	3487	3605	3487	2961	1357
35°	2299	2638	2710	2638	2299	1427
45°	1412	1281	1290	1281	1412	1092
55°	666	288	259	288	666	607
65°	259	59	42	59	259	263
75°	85	21	13	21	85	93
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°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3550.2	3601.1	3567.1	3588.4	3554.5	3554.5	3622.4	3584.1	3613.9	3584.1	3554.5
5°	3507.8	3571.4	3529.0	3550.2	3520.5	3524.8	3588.4	3558.8	3588.4	3567.1	3541.8
7.5°	3456.9	3520.5	3482.4	3503.5	3473.9	3482.4	3550.2	3520.5	3554.5	3533.2	3516.2
10°	3389.0	3456.9	3423.0	3444.1	3418.8	3423.0	3490.9	3469.6	3499.4	3486.6	3473.9
12.5°	3346.6	3410.2	3372.1	3393.2	3376.4	3384.8	3448.4	3431.5	3469.6	3456.9	3448.4
15°	3308.5	3367.9	3333.9	3355.1	3342.4	3346.6	3414.5	3397.5	3440.0	3431.5	3427.2
17.5°	3244.9	3308.5	3270.2	3295.8	3283.0	3287.2	3355.1	3342.4	3384.8	3384.8	3380.5
20°	3160.0	3223.6	3193.9	3210.9	3202.4	3210.9	3270.2	3261.8	3304.2	3304.2	3304.2
22.5°	3066.6	3130.2	3096.4	3113.4	3104.9	3117.6	3172.8	3172.8	3206.6	3210.9	3215.1
25°	2960.6	3024.2	2990.4	3011.5	3003.0	3011.5	3062.4	3066.6	3096.4	3096.4	3104.9
27.5°	2833.4	2897.0	2863.1	2880.0	2875.8	2880.0	2935.2	2943.6	2960.6	2964.9	2973.4
30°	2680.8	2740.1	2706.1	2723.1	2723.1	2723.1	2778.2	2782.5	2799.5	2803.8	2812.1
32.5°	2502.5	2553.5	2528.0	2545.0	2540.8	2549.2	2587.4	2604.4	2625.5	2621.2	2625.5
35°	2299.0	2354.1	2328.6	2341.4	2345.6	2358.4	2383.8	2405.0	2409.2	2413.5	2422.0
37.5°	2078.4	2133.5	2108.1	2120.8	2125.0	2150.5	2159.0	2180.1	2188.6	2188.6	2188.6
40°	1866.2	1891.8	1870.5	1883.2	1887.5	1908.8	1917.2	1934.1	1942.6	1938.4	1934.1
42.5°	1637.2	1658.5	1637.2	1650.0	1650.0	1667.0	1671.2	1692.4	1692.4	1683.9	1671.2
45°	1412.5	1433.6	1412.5	1420.9	1420.9	1437.9	1437.9	1437.9	1446.4	1433.6	1412.5
47.5°	1200.4	1221.6	1200.4	1208.9	1204.6	1217.4	1213.1	1217.4	1204.6	1196.1	1170.6
50°	1009.5	1018.0	1009.5	1005.2	1009.5	1018.0	1013.8	1013.8	996.8	984.0	954.4
52.5°	822.9	835.6	822.9	822.9	822.9	831.4	831.4	827.1	810.1	793.1	763.5
55°	665.9	674.4	670.1	665.9	665.9	674.4	665.9	665.9	649.0	636.2	606.5
57.5°	530.2	534.5	530.2	530.2	530.2	534.5	534.5	526.0	513.2	500.5	479.2
60°	411.4	415.6	415.6	411.4	411.4	419.9	419.9	415.6	403.0	394.5	373.2
62.5°	326.6	326.6	326.6	326.6	326.6	330.9	330.9	330.9	322.4	313.9	296.9
65°	258.8	263.0	258.8	258.8	263.0	267.2	263.0	267.2	258.8	254.5	241.8
67.5°	199.4	203.6	199.4	203.6	203.6	207.9	203.6	207.9	199.4	195.1	186.6
70°	152.8	152.8	152.8	152.8	152.8	157.0	152.8	157.0	152.8	148.5	140.0
72.5°	114.5	114.5	118.8	118.8	114.5	118.8	114.5	114.5	114.5	110.2	106.0
75°	84.9	84.9	89.1	84.9	84.9	84.9	84.9	84.9	80.6	80.6	76.4
77.5°	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	55.1	55.1	50.9
80°	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	33.9	33.9
82.5°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	21.2	21.2
85°	12.8	12.8	12.8	17.0	12.8	12.8	12.8	12.8	12.8	12.8	12.8
87.5°	4.2	4.2	4.2	8.5	4.2	4.2	8.5	8.5	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°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3588.4	3601.1	3601.1	3588.4	3618.1	3592.6	3643.5	3596.9	3609.6	3652.0	3647.8
5°	3575.6	3592.6	3596.9	3588.4	3626.6	3605.4	3656.2	3609.6	3630.8	3673.2	3673.2
7.5°	3558.8	3579.9	3588.4	3596.9	3630.8	3609.6	3669.0	3622.4	3652.0	3702.9	3698.6
10°	3520.5	3550.2	3567.1	3579.9	3613.9	3601.1	3664.8	3626.6	3652.0	3711.4	3707.1
12.5°	3499.4	3533.2	3558.8	3579.9	3618.1	3609.6	3673.2	3639.2	3673.2	3732.6	3732.6
15°	3482.4	3520.5	3550.2	3588.4	3626.6	3618.1	3686.0	3656.2	3690.2	3762.2	3758.0
17.5°	3440.0	3486.6	3516.2	3558.8	3596.9	3592.6	3664.8	3643.5	3681.8	3749.6	3753.9
20°	3367.9	3410.2	3444.1	3495.1	3537.5	3529.0	3605.4	3584.1	3622.4	3694.4	3698.6
22.5°	3274.5	3316.9	3350.9	3406.0	3444.1	3440.0	3516.2	3495.1	3533.2	3601.1	3605.4
25°	3164.2	3202.4	3236.4	3287.2	3329.6	3329.6	3397.5	3376.4	3418.8	3486.6	3486.6
27.5°	3028.5	3062.4	3092.1	3151.5	3185.5	3185.5	3249.1	3227.9	3270.2	3329.6	3325.4
30°	2863.1	2892.8	2918.2	2969.1	2998.8	3003.0	3058.2	3037.0	3079.4	3130.2	3130.2
32.5°	2663.8	2693.4	2710.4	2774.0	2795.2	2791.0	2833.4	2812.1	2854.6	2909.8	2897.0
35°	2451.6	2464.4	2477.1	2540.8	2549.2	2532.2	2574.6	2553.5	2583.1	2638.2	2629.8
37.5°	2209.9	2214.1	2214.1	2269.2	2273.5	2260.8	2286.2	2260.8	2282.0	2332.9	2328.6
40°	1942.6	1938.4	1934.1	1976.6	1972.4	1946.9	1963.9	1942.6	1972.4	2010.5	1989.2
42.5°	1671.2	1658.5	1641.5	1662.8	1645.8	1624.5	1633.0	1599.1	1620.2	1650.0	1624.5
45°	1404.0	1378.5	1344.6	1348.9	1327.6	1302.1	1289.5	1255.5	1251.2	1281.0	1259.8
47.5°	1153.8	1102.9	1073.1	1056.1	1022.2	1001.0	975.6	937.4	920.4	937.4	916.1
50°	928.9	878.0	839.9	801.6	767.8	742.2	699.9	674.4	649.0	653.2	636.2
52.5°	733.8	699.9	636.2	606.5	572.6	542.9	504.8	475.0	445.4	445.4	428.4
55°	581.1	534.5	492.0	449.6	415.6	390.2	352.0	322.4	292.6	288.4	271.5
57.5°	449.6	415.6	369.0	326.6	305.4	280.0	241.8	207.9	190.9	178.1	165.4
60°	347.8	313.9	275.8	241.8	216.4	199.4	161.1	135.8	118.8	110.2	97.5
62.5°	280.0	250.2	216.4	182.4	165.4	148.5	118.8	97.5	80.6	72.1	63.6
65°	224.8	199.4	173.9	148.5	135.8	118.8	97.5	80.6	67.9	59.4	50.9
67.5°	173.9	157.0	135.8	118.8	106.0	93.4	76.4	63.6	55.1	46.6	42.4
70°	131.5	118.8	106.0	89.1	80.6	72.1	59.4	46.6	42.4	38.1	33.9
72.5°	101.8	89.1	76.4	67.9	59.4	55.1	46.6	38.1	33.9	29.8	25.5
75°	67.9	63.6	55.1	46.6	42.4	38.1	33.9	29.8	25.5	21.2	21.2
77.5°	46.6	42.4	38.1	33.9	29.8	29.8	25.5	21.2	17.0	17.0	12.8
80°	29.8	25.5	25.5	21.2	21.2	21.2	17.0	12.8	12.8	12.8	8.5
82.5°	21.2	17.0	17.0	12.8	12.8	12.8	12.8	8.5	8.5	8.5	4.2
85°	12.8	8.5	8.5	8.5	8.5	8.5	8.5	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°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3613.9	3652.0	3652.0	3686.0	3690.2	3681.8	3643.5	3643.5	3694.4	3724.1	3673.2
5°	3647.8	3686.0	3686.0	3719.9	3736.9	3724.1	3686.0	3690.2	3741.1	3775.0	3724.1
7.5°	3677.5	3715.6	3724.1	3762.2	3775.0	3762.2	3724.1	3732.6	3787.8	3817.5	3766.5
10°	3690.2	3728.4	3732.6	3775.0	3792.0	3775.0	3745.4	3749.6	3809.0	3830.1	3783.5
12.5°	3719.9	3758.0	3758.0	3804.8	3821.6	3809.0	3770.8	3779.2	3838.6	3859.9	3813.2
15°	3749.6	3787.8	3787.8	3838.6	3859.9	3842.9	3813.2	3817.5	3876.9	3898.0	3859.9
17.5°	3749.6	3783.5	3783.5	3838.6	3859.9	3847.1	3813.2	3817.5	3881.1	3898.0	3859.9
20°	3694.4	3732.6	3724.1	3779.2	3800.5	3787.8	3758.0	3758.0	3821.6	3838.6	3800.5
22.5°	3605.4	3639.2	3630.8	3681.8	3707.1	3690.2	3664.8	3660.5	3724.1	3741.1	3702.9
25°	3482.4	3516.2	3507.8	3558.8	3584.1	3563.0	3533.2	3537.5	3588.4	3613.9	3579.9
27.5°	3338.1	3359.4	3346.6	3397.5	3423.0	3401.8	3372.1	3376.4	3427.2	3444.1	3418.8
30°	3143.0	3160.0	3147.2	3189.6	3206.6	3193.9	3168.5	3168.5	3215.1	3236.4	3210.9
32.5°	2909.8	2922.5	2909.8	2943.6	2977.6	2952.1	2926.8	2926.8	2977.6	2994.6	2964.9
35°	2638.2	2651.0	2642.5	2676.5	2701.9	2668.0	2646.8	2638.2	2706.1	2697.6	2680.8
37.5°	2337.1	2345.6	2320.1	2379.5	2392.2	2354.1	2337.1	2328.6	2388.0	2383.8	2366.9
40°	1997.8	2006.2	1989.2	2031.8	2036.0	2006.2	1993.5	1980.9	2040.2	2036.0	2023.2
42.5°	1637.2	1641.5	1620.2	1654.2	1662.8	1633.0	1628.8	1611.8	1667.0	1658.5	1654.2
45°	1264.0	1264.0	1247.0	1272.5	1281.0	1255.5	1247.0	1242.8	1281.0	1281.0	1272.5
47.5°	916.1	903.5	882.2	920.4	924.6	907.8	903.5	890.8	928.9	928.9	920.4
50°	627.8	623.5	619.2	627.8	632.0	610.8	623.5	610.8	632.0	632.0	632.0
52.5°	419.9	415.6	407.2	415.6	415.6	403.0	403.0	398.8	415.6	415.6	407.2
55°	263.0	258.8	254.5	258.8	258.8	246.0	254.5	246.0	254.5	254.5	250.2
57.5°	161.1	152.8	152.8	148.5	148.5	140.0	144.2	144.2	144.2	144.2	144.2
60°	93.4	89.1	84.9	84.9	84.9	80.6	80.6	80.6	80.6	80.6	80.6
62.5°	59.4	59.4	55.1	55.1	55.1	55.1	55.1	50.9	55.1	55.1	55.1
65°	50.9	46.6	46.6	46.6	46.6	42.4	42.4	42.4	42.4	42.4	42.4
67.5°	42.4	38.1	38.1	38.1	38.1	33.9	33.9	33.9	33.9	33.9	33.9
70°	33.9	29.8	29.8	29.8	29.8	29.8	25.5	29.8	29.8	25.5	25.5
72.5°	25.5	25.5	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
75°	17.0	17.0	17.0	17.0	17.0	12.8	12.8	12.8	12.8	12.8	12.8
77.5°	12.8	12.8	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
80°	8.5	8.5	8.5	8.5	8.5	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: P212855

CATALOG NUMBER: LE_6B60D010R EC6B60709030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3732.6	3690.2	3669.0	3711.4	3728.4	3707.1	3690.2	3660.5	3690.2	3707.1	3728.4
5°	3783.5	3745.4	3728.4	3758.0	3783.5	3762.2	3749.6	3719.9	3749.6	3762.2	3783.5
7.5°	3830.1	3792.0	3770.8	3800.5	3830.1	3800.5	3787.8	3762.2	3787.8	3800.5	3830.1
10°	3847.1	3804.8	3787.8	3813.2	3842.9	3813.2	3796.2	3779.2	3796.2	3813.2	3842.9
12.5°	3876.9	3834.4	3813.2	3834.4	3864.1	3834.4	3817.5	3804.8	3817.5	3834.4	3864.1
15°	3919.2	3881.1	3855.6	3876.9	3915.0	3881.1	3859.9	3855.6	3859.9	3881.1	3915.0
17.5°	3919.2	3889.5	3864.1	3881.1	3919.2	3893.8	3864.1	3872.6	3864.1	3893.8	3919.2
20°	3864.1	3834.4	3813.2	3813.2	3868.4	3834.4	3809.0	3821.6	3809.0	3834.4	3868.4
22.5°	3766.5	3741.1	3719.9	3715.6	3770.8	3741.1	3707.1	3732.6	3707.1	3741.1	3770.8
25°	3639.2	3613.9	3596.9	3588.4	3643.5	3609.6	3579.9	3605.4	3579.9	3609.6	3643.5
27.5°	3473.9	3452.6	3435.8	3423.0	3473.9	3444.1	3414.5	3440.0	3414.5	3444.1	3473.9
30°	3261.8	3249.1	3232.1	3215.1	3266.0	3236.4	3206.6	3240.6	3206.6	3236.4	3266.0
32.5°	3015.8	3007.2	2986.1	2969.1	3020.0	2986.1	2964.9	2990.4	2964.9	2986.1	3020.0
35°	2731.6	2718.9	2706.1	2676.5	2731.6	2701.9	2701.9	2710.4	2701.9	2701.9	2731.6
37.5°	2413.5	2405.0	2388.0	2362.6	2409.2	2388.0	2379.5	2405.0	2379.5	2388.0	2409.2
40°	2057.1	2052.9	2040.2	2010.5	2061.4	2040.2	2027.5	2061.4	2027.5	2040.2	2061.4
42.5°	1683.9	1675.4	1662.8	1658.5	1683.9	1667.0	1679.6	1679.6	1679.6	1667.0	1683.9
45°	1297.9	1289.5	1281.0	1264.0	1293.8	1285.2	1281.0	1289.5	1281.0	1285.2	1293.8
47.5°	941.6	933.1	924.6	912.0	941.6	928.9	928.9	937.4	928.9	928.9	941.6
50°	632.0	636.2	632.0	623.5	632.0	627.8	632.0	640.5	632.0	627.8	632.0
52.5°	419.9	419.9	411.4	407.2	415.6	411.4	424.1	415.6	424.1	411.4	415.6
55°	254.5	258.8	254.5	250.2	254.5	250.2	263.0	258.8	263.0	250.2	254.5
57.5°	144.2	144.2	148.5	144.2	152.8	148.5	148.5	148.5	148.5	148.5	152.8
60°	80.6	80.6	80.6	80.6	80.6	80.6	84.9	80.6	84.9	80.6	80.6
62.5°	55.1	55.1	55.1	50.9	55.1	50.9	55.1	55.1	55.1	50.9	55.1
65°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
67.5°	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
70°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
72.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
75°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
77.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
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: P212855

CATALOG NUMBER: LE_6B60D010R EC6B60709030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3711.4	3669.0	3690.2	3732.6	3673.2	3724.1	3694.4	3643.5	3643.5	3681.8	3690.2
5°	3758.0	3728.4	3745.4	3783.5	3724.1	3775.0	3741.1	3690.2	3686.0	3724.1	3736.9
7.5°	3800.5	3770.8	3792.0	3830.1	3766.5	3817.5	3787.8	3732.6	3724.1	3762.2	3775.0
10°	3813.2	3787.8	3804.8	3847.1	3783.5	3830.1	3809.0	3749.6	3745.4	3775.0	3792.0
12.5°	3834.4	3813.2	3834.4	3876.9	3813.2	3859.9	3838.6	3779.2	3770.8	3809.0	3821.6
15°	3876.9	3855.6	3881.1	3919.2	3859.9	3898.0	3876.9	3817.5	3813.2	3842.9	3859.9
17.5°	3881.1	3864.1	3889.5	3919.2	3859.9	3898.0	3881.1	3817.5	3813.2	3847.1	3859.9
20°	3813.2	3813.2	3834.4	3864.1	3800.5	3838.6	3821.6	3758.0	3758.0	3787.8	3800.5
22.5°	3715.6	3719.9	3741.1	3766.5	3702.9	3741.1	3724.1	3660.5	3664.8	3690.2	3707.1
25°	3588.4	3596.9	3613.9	3639.2	3579.9	3613.9	3588.4	3537.5	3533.2	3563.0	3584.1
27.5°	3423.0	3435.8	3452.6	3473.9	3418.8	3444.1	3427.2	3376.4	3372.1	3401.8	3423.0
30°	3215.1	3232.1	3249.1	3261.8	3210.9	3236.4	3215.1	3168.5	3168.5	3193.9	3206.6
32.5°	2969.1	2986.1	3007.2	3015.8	2964.9	2994.6	2977.6	2926.8	2926.8	2952.1	2977.6
35°	2676.5	2706.1	2718.9	2731.6	2680.8	2697.6	2706.1	2638.2	2646.8	2668.0	2701.9
37.5°	2362.6	2388.0	2405.0	2413.5	2366.9	2383.8	2388.0	2328.6	2337.1	2354.1	2392.2
40°	2010.5	2040.2	2052.9	2057.1	2023.2	2036.0	2040.2	1980.9	1993.5	2006.2	2036.0
42.5°	1658.5	1662.8	1675.4	1683.9	1654.2	1658.5	1667.0	1611.8	1628.8	1633.0	1662.8
45°	1264.0	1281.0	1289.5	1297.9	1272.5	1281.0	1281.0	1242.8	1247.0	1255.5	1281.0
47.5°	912.0	924.6	933.1	941.6	920.4	928.9	928.9	890.8	903.5	907.8	924.6
50°	623.5	632.0	636.2	632.0	632.0	632.0	632.0	610.8	623.5	610.8	632.0
52.5°	407.2	411.4	419.9	419.9	407.2	415.6	415.6	398.8	403.0	403.0	415.6
55°	250.2	254.5	258.8	254.5	250.2	254.5	254.5	246.0	254.5	246.0	258.8
57.5°	144.2	148.5	144.2	144.2	144.2	144.2	144.2	144.2	144.2	140.0	148.5
60°	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	84.9
62.5°	50.9	55.1	55.1	55.1	55.1	55.1	55.1	50.9	55.1	55.1	55.1
65°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	46.6
67.5°	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	38.1
70°	25.5	25.5	25.5	25.5	25.5	25.5	29.8	29.8	25.5	29.8	29.8
72.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
75°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	17.0
77.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
80°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	8.5
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: P212855

CATALOG NUMBER: LE_6B60D010R EC6B60709030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3686.0	3652.0	3652.0	3613.9	3647.8	3652.0	3609.6	3596.9	3643.5	3592.6	3618.1
5°	3719.9	3686.0	3686.0	3647.8	3673.2	3673.2	3630.8	3609.6	3656.2	3605.4	3626.6
7.5°	3762.2	3724.1	3715.6	3677.5	3698.6	3702.9	3652.0	3622.4	3669.0	3609.6	3630.8
10°	3775.0	3732.6	3728.4	3690.2	3707.1	3711.4	3652.0	3626.6	3664.8	3601.1	3613.9
12.5°	3804.8	3758.0	3758.0	3719.9	3732.6	3732.6	3673.2	3639.2	3673.2	3609.6	3618.1
15°	3838.6	3787.8	3787.8	3749.6	3758.0	3762.2	3690.2	3656.2	3686.0	3618.1	3626.6
17.5°	3838.6	3783.5	3783.5	3749.6	3753.9	3749.6	3681.8	3643.5	3664.8	3592.6	3596.9
20°	3779.2	3724.1	3732.6	3694.4	3698.6	3694.4	3622.4	3584.1	3605.4	3529.0	3537.5
22.5°	3681.8	3630.8	3639.2	3605.4	3605.4	3601.1	3533.2	3495.1	3516.2	3440.0	3444.1
25°	3558.8	3507.8	3516.2	3482.4	3486.6	3486.6	3418.8	3376.4	3397.5	3329.6	3329.6
27.5°	3397.5	3346.6	3359.4	3338.1	3325.4	3329.6	3270.2	3227.9	3249.1	3185.5	3185.5
30°	3189.6	3147.2	3160.0	3143.0	3130.2	3130.2	3079.4	3037.0	3058.2	3003.0	2998.8
32.5°	2943.6	2909.8	2922.5	2909.8	2897.0	2909.8	2854.6	2812.1	2833.4	2791.0	2795.2
35°	2676.5	2642.5	2651.0	2638.2	2629.8	2638.2	2583.1	2553.5	2574.6	2532.2	2549.2
37.5°	2379.5	2320.1	2345.6	2337.1	2328.6	2332.9	2282.0	2260.8	2286.2	2260.8	2273.5
40°	2031.8	1989.2	2006.2	1997.8	1989.2	2010.5	1972.4	1942.6	1963.9	1946.9	1972.4
42.5°	1654.2	1620.2	1641.5	1637.2	1624.5	1650.0	1620.2	1599.1	1633.0	1624.5	1645.8
45°	1272.5	1247.0	1264.0	1264.0	1259.8	1281.0	1251.2	1255.5	1289.5	1302.1	1327.6
47.5°	920.4	882.2	903.5	916.1	916.1	937.4	920.4	937.4	975.6	1001.0	1022.2
50°	627.8	619.2	623.5	627.8	636.2	653.2	649.0	674.4	699.9	742.2	767.8
52.5°	415.6	407.2	415.6	419.9	428.4	445.4	445.4	475.0	504.8	542.9	572.6
55°	258.8	254.5	258.8	263.0	271.5	288.4	292.6	322.4	352.0	390.2	415.6
57.5°	148.5	152.8	152.8	161.1	165.4	178.1	190.9	207.9	241.8	280.0	305.4
60°	84.9	84.9	89.1	93.4	97.5	110.2	118.8	135.8	161.1	199.4	216.4
62.5°	55.1	55.1	59.4	59.4	63.6	72.1	80.6	97.5	118.8	148.5	165.4
65°	46.6	46.6	46.6	50.9	50.9	59.4	67.9	80.6	97.5	118.8	135.8
67.5°	38.1	38.1	38.1	42.4	42.4	46.6	55.1	63.6	76.4	93.4	106.0
70°	29.8	29.8	29.8	33.9	33.9	38.1	42.4	46.6	59.4	72.1	80.6
72.5°	21.2	21.2	25.5	25.5	25.5	29.8	33.9	38.1	46.6	55.1	59.4
75°	17.0	17.0	17.0	17.0	21.2	21.2	25.5	29.8	33.9	38.1	42.4
77.5°	8.5	8.5	12.8	12.8	12.8	17.0	17.0	21.2	25.5	29.8	29.8
80°	8.5	8.5	8.5	8.5	8.5	12.8	12.8	12.8	17.0	21.2	21.2
82.5°	4.2	4.2	4.2	4.2	4.2	8.5	8.5	8.5	12.8	12.8	12.8
85°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	8.5	8.5	8.5
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: P212855

CATALOG NUMBER: LE_6B60D010R EC6B60709030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5	3643.5
2.5°	3588.4	3601.1	3601.1	3588.4	3554.5	3584.1	3613.9	3584.1	3622.4	3554.5	3554.5
5°	3588.4	3596.9	3592.6	3575.6	3541.8	3567.1	3588.4	3558.8	3588.4	3524.8	3520.5
7.5°	3596.9	3588.4	3579.9	3558.8	3516.2	3533.2	3554.5	3520.5	3550.2	3482.4	3473.9
10°	3579.9	3567.1	3550.2	3520.5	3473.9	3486.6	3499.4	3469.6	3490.9	3423.0	3418.8
12.5°	3579.9	3558.8	3533.2	3499.4	3448.4	3456.9	3469.6	3431.5	3448.4	3384.8	3376.4
15°	3588.4	3550.2	3520.5	3482.4	3427.2	3431.5	3440.0	3397.5	3414.5	3346.6	3342.4
17.5°	3558.8	3516.2	3486.6	3440.0	3380.5	3384.8	3384.8	3342.4	3355.1	3287.2	3283.0
20°	3495.1	3444.1	3410.2	3367.9	3304.2	3304.2	3304.2	3261.8	3270.2	3210.9	3202.4
22.5°	3406.0	3350.9	3316.9	3274.5	3215.1	3210.9	3206.6	3172.8	3172.8	3117.6	3104.9
25°	3287.2	3236.4	3202.4	3164.2	3104.9	3096.4	3096.4	3066.6	3062.4	3011.5	3003.0
27.5°	3151.5	3092.1	3062.4	3028.5	2973.4	2964.9	2960.6	2943.6	2935.2	2880.0	2875.8
30°	2969.1	2918.2	2892.8	2863.1	2812.1	2803.8	2799.5	2782.5	2778.2	2723.1	2723.1
32.5°	2774.0	2710.4	2693.4	2663.8	2625.5	2621.2	2625.5	2604.4	2587.4	2549.2	2540.8
35°	2540.8	2477.1	2464.4	2451.6	2422.0	2413.5	2409.2	2405.0	2383.8	2358.4	2345.6
37.5°	2269.2	2214.1	2214.1	2209.9	2188.6	2188.6	2188.6	2180.1	2159.0	2150.5	2125.0
40°	1976.6	1934.1	1938.4	1942.6	1934.1	1938.4	1942.6	1934.1	1917.2	1908.8	1887.5
42.5°	1662.8	1641.5	1658.5	1671.2	1671.2	1683.9	1692.4	1692.4	1671.2	1667.0	1650.0
45°	1348.9	1344.6	1378.5	1404.0	1412.5	1433.6	1446.4	1437.9	1437.9	1437.9	1420.9
47.5°	1056.1	1073.1	1102.9	1153.8	1170.6	1196.1	1204.6	1217.4	1213.1	1217.4	1204.6
50°	801.6	839.9	878.0	928.9	954.4	984.0	996.8	1013.8	1013.8	1018.0	1009.5
52.5°	606.5	636.2	699.9	733.8	763.5	793.1	810.1	827.1	831.4	831.4	822.9
55°	449.6	492.0	534.5	581.1	606.5	636.2	649.0	665.9	665.9	674.4	665.9
57.5°	326.6	369.0	415.6	449.6	479.2	500.5	513.2	526.0	534.5	534.5	530.2
60°	241.8	275.8	313.9	347.8	373.2	394.5	403.0	415.6	419.9	419.9	411.4
62.5°	182.4	216.4	250.2	280.0	296.9	313.9	322.4	330.9	330.9	330.9	326.6
65°	148.5	173.9	199.4	224.8	241.8	254.5	258.8	267.2	263.0	267.2	263.0
67.5°	118.8	135.8	157.0	173.9	186.6	195.1	199.4	207.9	203.6	207.9	203.6
70°	89.1	106.0	118.8	131.5	140.0	148.5	152.8	157.0	152.8	157.0	152.8
72.5°	67.9	76.4	89.1	101.8	106.0	110.2	114.5	114.5	114.5	118.8	114.5
75°	46.6	55.1	63.6	67.9	76.4	80.6	80.6	84.9	84.9	84.9	84.9
77.5°	33.9	38.1	42.4	46.6	50.9	55.1	55.1	59.4	59.4	59.4	59.4
80°	21.2	25.5	25.5	29.8	33.9	33.9	38.1	38.1	38.1	38.1	38.1
82.5°	12.8	17.0	17.0	21.2	21.2	21.2	25.5	25.5	25.5	25.5	25.5
85°	8.5	8.5	8.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	8.5	8.5	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: P212855

CATALOG NUMBER: LE_6B60D010R EC6B60709030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3643.5	3643.5	3643.5	3643.5
2.5°	3588.4	3567.1	3601.1	3550.2
5°	3550.2	3529.0	3571.4	3507.8
7.5°	3503.5	3482.4	3520.5	3456.9
10°	3444.1	3423.0	3456.9	3389.0
12.5°	3393.2	3372.1	3410.2	3346.6
15°	3355.1	3333.9	3367.9	3308.5
17.5°	3295.8	3270.2	3308.5	3244.9
20°	3210.9	3193.9	3223.6	3160.0
22.5°	3113.4	3096.4	3130.2	3066.6
25°	3011.5	2990.4	3024.2	2960.6
27.5°	2880.0	2863.1	2897.0	2833.4
30°	2723.1	2706.1	2740.1	2680.8
32.5°	2545.0	2528.0	2553.5	2502.5
35°	2341.4	2328.6	2354.1	2299.0
37.5°	2120.8	2108.1	2133.5	2078.4
40°	1883.2	1870.5	1891.8	1866.2
42.5°	1650.0	1637.2	1658.5	1637.2
45°	1420.9	1412.5	1433.6	1412.5
47.5°	1208.9	1200.4	1221.6	1200.4
50°	1005.2	1009.5	1018.0	1009.5
52.5°	822.9	822.9	835.6	822.9
55°	665.9	670.1	674.4	665.9
57.5°	530.2	530.2	534.5	530.2
60°	411.4	415.6	415.6	411.4
62.5°	326.6	326.6	326.6	326.6
65°	258.8	258.8	263.0	258.8
67.5°	203.6	199.4	203.6	199.4
70°	152.8	152.8	152.8	152.8
72.5°	118.8	118.8	114.5	114.5
75°	84.9	89.1	84.9	84.9
77.5°	59.4	59.4	59.4	59.4
80°	38.1	38.1	38.1	38.1
82.5°	25.5	25.5	25.5	25.5
85°	17.0	12.8	12.8	12.8
87.5°	8.5	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)