

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: P212848

Luminaire Tested: **LE\_6B60D010R EC6B60708027 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212848  
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 EC6B60708027 6LBSWLI1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6823.3 lumens  
Efficiency: N/A  
Efficacy: 109.2 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

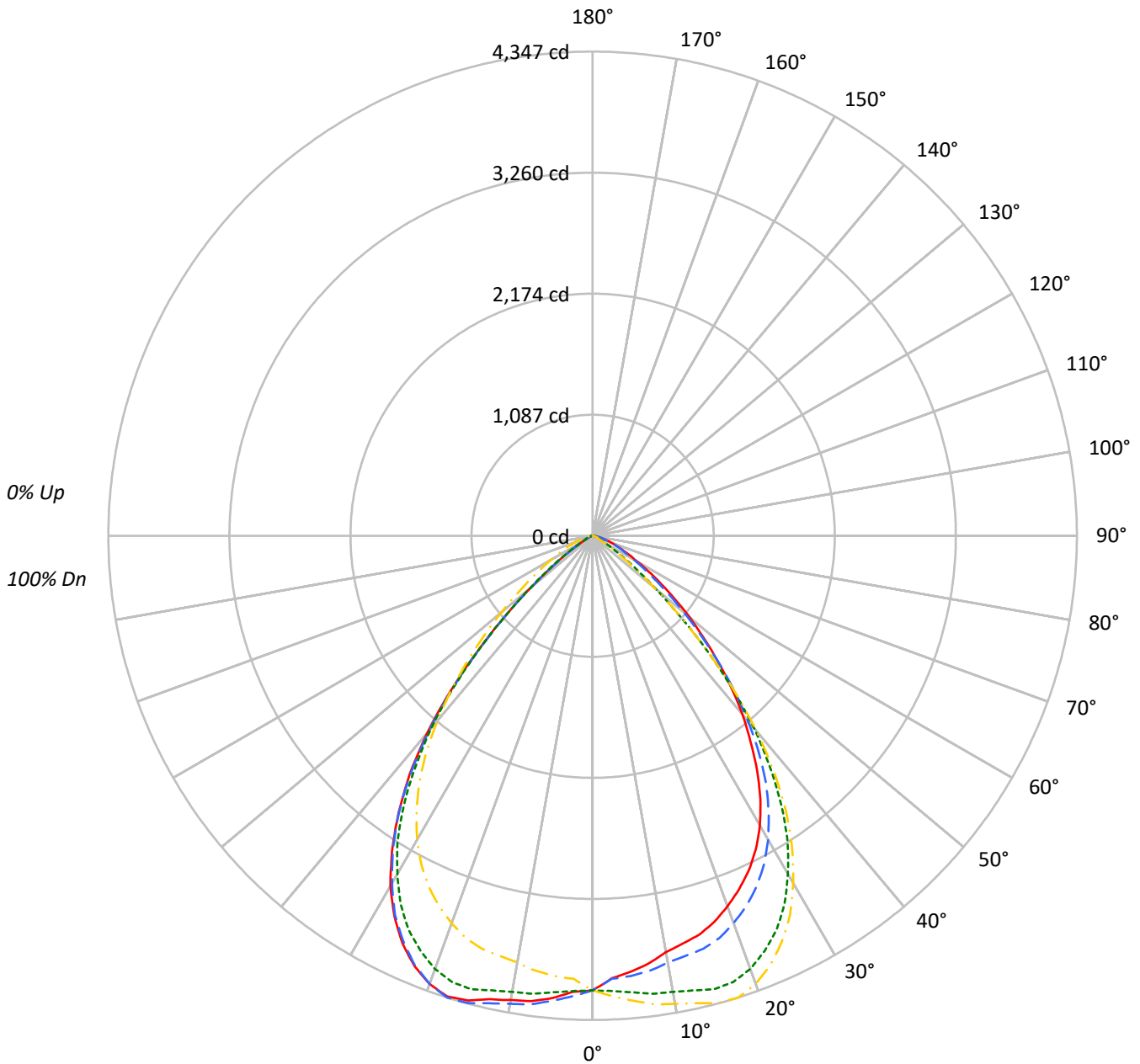
Input Watts (W): 62.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	223727	223727	223727	223727
5°	216217	226414	229286	226414
10°	211308	231409	235639	231409
15°	210319	239167	245098	239167
20°	206489	241410	249723	241410
25°	200588	236227	244272	236227
30°	190067	221946	229770	221946
35°	172327	197764	203172	197764
40°	149602	161159	165238	161159
45°	122656	111236	111965	111236
50°	96440	62395	61183	62395
55°	71290	30881	27698	30881
60°	50533	13541	9890	13541
65°	37592	8626	6161	8626
70°	27408	6860	4568	6860
75°	20122	5041	3008	5041
80°	13512	4483	1515	4483
85°	8932	3019	3019	3019



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	390.7	5.7
10°-20°	1157.1	17.0
20°-30°	1726.8	25.3
30°-40°	1774.1	26.0
40°-50°	1148.9	16.8
50°-60°	427.2	6.3
60°-70°	140.2	2.1
70°-80°	49.4	0.7
80°-90°	8.9	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°	3274.6	48.0
0°-40°	5048.7	74.0
0°-60°	6624.8	97.1
0°-90°	6823.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6823.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	4081	4081	4081	4081	4081	
5°	3929	4114	4167	4114	3929	371
15°	3706	4214	4319	4214	3706	1042
25°	3316	3905	4038	3905	3316	1520
35°	2575	2955	3036	2955	2575	1599
45°	1582	1435	1444	1435	1582	1223
55°	746	323	290	323	746	680
65°	290	66	48	66	290	295
75°	95	24	14	24	95	104
85°	14	5	5	5	14	19
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°	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1
2.5°	3976.6	4033.6	3995.6	4019.4	3981.4	3981.4	4057.4	4014.6	4047.9	4014.6	3981.4
5°	3929.1	4000.4	3952.9	3976.6	3943.4	3948.1	4019.4	3986.1	4019.4	3995.6	3967.1
7.5°	3872.1	3943.4	3900.6	3924.4	3891.1	3900.6	3976.6	3943.4	3981.4	3957.6	3938.6
10°	3796.0	3872.1	3834.0	3857.8	3829.2	3834.0	3910.1	3886.4	3919.6	3905.4	3891.1
12.5°	3748.5	3819.8	3777.0	3800.8	3781.8	3791.2	3862.5	3843.5	3886.4	3872.1	3862.5
15°	3705.8	3772.2	3734.2	3758.0	3743.8	3748.5	3824.5	3805.5	3853.0	3843.5	3838.8
17.5°	3634.5	3705.8	3663.0	3691.5	3677.2	3682.0	3758.0	3743.8	3791.2	3791.2	3786.5
20°	3539.5	3610.8	3577.5	3596.5	3587.0	3596.5	3663.0	3653.5	3701.0	3701.0	3701.0
22.5°	3435.0	3506.2	3468.2	3487.2	3477.8	3492.0	3553.8	3553.8	3591.8	3596.5	3601.2
25°	3316.2	3387.5	3349.5	3373.2	3363.8	3373.2	3430.2	3435.0	3468.2	3468.2	3477.8
27.5°	3173.6	3244.9	3206.9	3225.9	3221.1	3225.9	3287.8	3297.2	3316.2	3321.0	3330.5
30°	3002.6	3069.1	3031.1	3050.1	3050.1	3050.1	3111.9	3116.6	3135.6	3140.4	3149.9
32.5°	2803.1	2860.1	2831.6	2850.6	2845.9	2855.4	2898.1	2917.1	2940.9	2936.1	2940.9
35°	2575.0	2636.8	2608.2	2622.5	2627.2	2641.5	2670.0	2693.9	2698.6	2703.4	2712.9
37.5°	2328.0	2389.8	2361.2	2375.5	2380.2	2408.8	2418.2	2442.0	2451.5	2451.5	2451.5
40°	2090.5	2119.0	2095.2	2109.5	2114.2	2138.0	2147.5	2166.5	2176.0	2171.2	2166.5
42.5°	1833.9	1857.6	1833.9	1848.1	1848.1	1867.1	1871.9	1895.6	1895.6	1886.1	1871.9
45°	1582.1	1605.9	1582.1	1591.6	1591.6	1610.6	1610.6	1610.6	1620.1	1605.9	1582.1
47.5°	1344.5	1368.2	1344.5	1354.0	1349.2	1363.5	1358.8	1363.5	1349.2	1339.8	1311.2
50°	1130.8	1140.2	1130.8	1126.0	1130.8	1140.2	1135.5	1135.5	1116.5	1102.2	1069.0
52.5°	921.8	936.0	921.8	921.8	921.8	931.2	931.2	926.5	907.5	888.4	855.1
55°	745.9	755.4	750.6	745.9	745.9	755.4	745.9	745.9	726.9	712.6	679.4
57.5°	593.9	598.6	593.9	593.9	593.9	598.6	598.6	589.1	574.9	560.6	536.9
60°	460.9	465.6	465.6	460.9	460.9	470.4	470.4	465.6	451.4	441.9	418.1
62.5°	365.9	365.9	365.9	365.9	365.9	370.6	370.6	370.6	361.1	351.6	332.6
65°	289.8	294.5	289.8	289.8	294.5	299.4	294.5	299.4	289.8	285.0	270.8
67.5°	223.2	228.0	223.2	228.0	228.0	232.8	228.0	232.8	223.2	218.5	209.0
70°	171.0	171.0	171.0	171.0	171.0	175.8	171.0	175.8	171.0	166.2	156.8
72.5°	128.2	128.2	133.0	133.0	128.2	133.0	128.2	128.2	128.2	123.5	118.8
75°	95.0	95.0	99.8	95.0	95.0	95.0	95.0	95.0	90.2	90.2	85.5
77.5°	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	61.8	61.8	57.0
80°	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	38.0	38.0
82.5°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	23.8	23.8
85°	14.2	14.2	14.2	19.0	14.2	14.2	14.2	14.2	14.2	14.2	14.2
87.5°	4.8	4.8	4.8	9.5	4.8	4.8	9.5	9.5	4.8	4.8	4.8
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°	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1
2.5°	4019.4	4033.6	4033.6	4019.4	4052.6	4024.1	4081.1	4028.9	4043.1	4090.6	4085.9
5°	4005.1	4024.1	4028.9	4019.4	4062.1	4038.4	4095.4	4043.1	4066.9	4114.4	4114.4
7.5°	3986.1	4009.9	4019.4	4028.9	4066.9	4043.1	4109.6	4057.4	4090.6	4147.6	4142.9
10°	3943.4	3976.6	3995.6	4009.9	4047.9	4033.6	4104.9	4062.1	4090.6	4157.1	4152.4
12.5°	3919.6	3957.6	3986.1	4009.9	4052.6	4043.1	4114.4	4076.4	4114.4	4180.9	4180.9
15°	3900.6	3943.4	3976.6	4019.4	4062.1	4052.6	4128.6	4095.4	4133.4	4214.1	4209.4
17.5°	3853.0	3905.4	3938.6	3986.1	4028.9	4024.1	4104.9	4081.1	4123.9	4199.9	4204.6
20°	3772.2	3819.8	3857.8	3914.9	3962.4	3952.9	4038.4	4014.6	4057.4	4138.1	4142.9
22.5°	3667.8	3715.2	3753.2	3815.0	3857.8	3853.0	3938.6	3914.9	3957.6	4033.6	4038.4
25°	3544.2	3587.0	3625.0	3682.0	3729.5	3729.5	3805.5	3781.8	3829.2	3905.4	3905.4
27.5°	3392.2	3430.2	3463.5	3530.0	3568.0	3568.0	3639.2	3615.5	3663.0	3729.5	3724.8
30°	3206.9	3240.1	3268.6	3325.8	3359.0	3363.8	3425.5	3401.8	3449.2	3506.2	3506.2
32.5°	2983.6	3016.9	3035.9	3107.1	3130.9	3126.1	3173.6	3149.9	3197.4	3259.1	3244.9
35°	2746.1	2760.4	2774.6	2845.9	2855.4	2836.4	2883.9	2860.1	2893.4	2955.1	2945.6
37.5°	2475.2	2480.0	2480.0	2541.8	2546.5	2532.2	2560.8	2532.2	2556.0	2613.0	2608.2
40°	2176.0	2171.2	2166.5	2214.0	2209.2	2180.8	2199.8	2176.0	2209.2	2252.0	2228.2
42.5°	1871.9	1857.6	1838.6	1862.4	1843.4	1819.6	1829.1	1791.1	1814.9	1848.1	1819.6
45°	1572.6	1544.1	1506.1	1510.9	1487.0	1458.5	1444.2	1406.2	1401.5	1434.8	1411.0
47.5°	1292.2	1235.2	1202.0	1183.0	1145.0	1121.2	1092.8	1050.0	1031.0	1050.0	1026.2
50°	1040.5	983.5	940.8	898.0	859.9	831.4	783.9	755.4	726.9	731.6	712.6
52.5°	821.9	783.9	712.6	679.4	641.4	608.1	565.4	532.1	498.9	498.9	479.9
55°	650.9	598.6	551.1	503.6	465.6	437.1	394.4	361.1	327.9	323.1	304.1
57.5°	503.6	465.6	413.4	365.9	342.1	313.6	270.8	232.8	213.8	199.5	185.2
60°	389.6	351.6	308.9	270.8	242.2	223.2	180.5	152.0	133.0	123.5	109.2
62.5°	313.6	280.2	242.2	204.2	185.2	166.2	133.0	109.2	90.2	80.8	71.2
65°	251.8	223.2	194.8	166.2	152.0	133.0	109.2	90.2	76.0	66.5	57.0
67.5°	194.8	175.8	152.0	133.0	118.8	104.5	85.5	71.2	61.8	52.2	47.5
70°	147.2	133.0	118.8	99.8	90.2	80.8	66.5	52.2	47.5	42.8	38.0
72.5°	114.0	99.8	85.5	76.0	66.5	61.8	52.2	42.8	38.0	33.2	28.5
75°	76.0	71.2	61.8	52.2	47.5	42.8	38.0	33.2	28.5	23.8	23.8
77.5°	52.2	47.5	42.8	38.0	33.2	33.2	28.5	23.8	19.0	19.0	14.2
80°	33.2	28.5	28.5	23.8	23.8	23.8	19.0	14.2	14.2	14.2	9.5
82.5°	23.8	19.0	19.0	14.2	14.2	14.2	14.2	9.5	9.5	9.5	4.8
85°	14.2	9.5	9.5	9.5	9.5	9.5	9.5	4.8	4.8	4.8	4.8
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	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°	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1
2.5°	4047.9	4090.6	4090.6	4128.6	4133.4	4123.9	4081.1	4081.1	4138.1	4171.4	4114.4
5°	4085.9	4128.6	4128.6	4166.6	4185.6	4171.4	4128.6	4133.4	4190.4	4228.4	4171.4
7.5°	4119.1	4161.9	4171.4	4214.1	4228.4	4214.1	4171.4	4180.9	4242.6	4275.9	4218.9
10°	4133.4	4176.1	4180.9	4228.4	4247.4	4228.4	4195.1	4199.9	4266.4	4290.1	4237.9
12.5°	4166.6	4209.4	4209.4	4261.6	4280.6	4266.4	4223.6	4233.1	4299.6	4323.4	4271.1
15°	4199.9	4242.6	4242.6	4299.6	4323.4	4304.4	4271.1	4275.9	4342.4	4366.1	4323.4
17.5°	4199.9	4237.9	4237.9	4299.6	4323.4	4309.1	4271.1	4275.9	4347.1	4366.1	4323.4
20°	4138.1	4180.9	4171.4	4233.1	4256.9	4242.6	4209.4	4209.4	4280.6	4299.6	4256.9
22.5°	4038.4	4076.4	4066.9	4123.9	4152.4	4133.4	4104.9	4100.1	4171.4	4190.4	4147.6
25°	3900.6	3938.6	3929.1	3986.1	4014.6	3990.9	3957.6	3962.4	4019.4	4047.9	4009.9
27.5°	3739.0	3762.8	3748.5	3805.5	3834.0	3810.2	3777.0	3781.8	3838.8	3857.8	3829.2
30°	3520.5	3539.5	3525.2	3572.8	3591.8	3577.5	3549.0	3549.0	3601.2	3625.0	3596.5
32.5°	3259.1	3273.5	3259.1	3297.2	3335.2	3306.8	3278.2	3278.2	3335.2	3354.2	3321.0
35°	2955.1	2969.4	2959.9	2997.9	3026.4	2988.4	2964.6	2955.1	3031.1	3021.6	3002.6
37.5°	2617.8	2627.2	2598.8	2665.2	2679.6	2636.8	2617.8	2608.2	2674.8	2670.0	2651.0
40°	2237.8	2247.2	2228.2	2275.8	2280.5	2247.2	2233.0	2218.8	2285.2	2280.5	2266.2
42.5°	1833.9	1838.6	1814.9	1852.9	1862.4	1829.1	1824.4	1805.4	1867.1	1857.6	1852.9
45°	1415.8	1415.8	1396.8	1425.2	1434.8	1406.2	1396.8	1392.0	1434.8	1434.8	1425.2
47.5°	1026.2	1012.0	988.2	1031.0	1035.8	1016.8	1012.0	997.8	1040.5	1040.5	1031.0
50°	703.1	698.4	693.6	703.1	707.9	684.1	698.4	684.1	707.9	707.9	707.9
52.5°	470.4	465.6	456.1	465.6	465.6	451.4	451.4	446.6	465.6	465.6	456.1
55°	294.5	289.8	285.0	289.8	289.8	275.5	285.0	275.5	285.0	285.0	280.2
57.5°	180.5	171.0	171.0	166.2	166.2	156.8	161.5	161.5	161.5	161.5	161.5
60°	104.5	99.8	95.0	95.0	95.0	90.2	90.2	90.2	90.2	90.2	90.2
62.5°	66.5	66.5	61.8	61.8	61.8	61.8	61.8	57.0	61.8	61.8	61.8
65°	57.0	52.2	52.2	52.2	52.2	47.5	47.5	47.5	47.5	47.5	47.5
67.5°	47.5	42.8	42.8	42.8	42.8	38.0	38.0	38.0	38.0	38.0	38.0
70°	38.0	33.2	33.2	33.2	33.2	33.2	28.5	33.2	33.2	28.5	28.5
72.5°	28.5	28.5	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
75°	19.0	19.0	19.0	19.0	19.0	14.2	14.2	14.2	14.2	14.2	14.2
77.5°	14.2	14.2	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
80°	9.5	9.5	9.5	9.5	9.5	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	4.8	4.8	4.8	4.8	4.8	0.0	4.8	0.0	4.8	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: P212848

CATALOG NUMBER: LE\_6B60D010R EC6B60708027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1
2.5°	4180.9	4133.4	4109.6	4157.1	4176.1	4152.4	4133.4	4100.1	4133.4	4152.4	4176.1
5°	4237.9	4195.1	4176.1	4209.4	4237.9	4214.1	4199.9	4166.6	4199.9	4214.1	4237.9
7.5°	4290.1	4247.4	4223.6	4256.9	4290.1	4256.9	4242.6	4214.1	4242.6	4256.9	4290.1
10°	4309.1	4261.6	4242.6	4271.1	4304.4	4271.1	4252.1	4233.1	4252.1	4271.1	4304.4
12.5°	4342.4	4294.9	4271.1	4294.9	4328.1	4294.9	4275.9	4261.6	4275.9	4294.9	4328.1
15°	4389.9	4347.1	4318.6	4342.4	4385.1	4347.1	4323.4	4318.6	4323.4	4347.1	4385.1
17.5°	4389.9	4356.6	4328.1	4347.1	4389.9	4361.4	4328.1	4337.6	4328.1	4361.4	4389.9
20°	4328.1	4294.9	4271.1	4271.1	4332.9	4294.9	4266.4	4280.6	4266.4	4294.9	4332.9
22.5°	4218.9	4190.4	4166.6	4161.9	4223.6	4190.4	4152.4	4180.9	4152.4	4190.4	4223.6
25°	4076.4	4047.9	4028.9	4019.4	4081.1	4043.1	4009.9	4038.4	4009.9	4043.1	4081.1
27.5°	3891.1	3867.2	3848.2	3834.0	3891.1	3857.8	3824.5	3853.0	3824.5	3857.8	3891.1
30°	3653.5	3639.2	3620.2	3601.2	3658.2	3625.0	3591.8	3629.8	3591.8	3625.0	3658.2
32.5°	3378.0	3368.5	3344.8	3325.8	3382.8	3344.8	3321.0	3349.5	3321.0	3344.8	3382.8
35°	3059.6	3045.4	3031.1	2997.9	3059.6	3026.4	3026.4	3035.9	3026.4	3026.4	3059.6
37.5°	2703.4	2693.9	2674.8	2646.2	2698.6	2674.8	2665.2	2693.9	2665.2	2674.8	2698.6
40°	2304.2	2299.5	2285.2	2252.0	2309.0	2285.2	2271.0	2309.0	2271.0	2285.2	2309.0
42.5°	1886.1	1876.6	1862.4	1857.6	1886.1	1867.1	1881.4	1881.4	1881.4	1867.1	1886.1
45°	1453.8	1444.2	1434.8	1415.8	1449.0	1439.5	1434.8	1444.2	1434.8	1439.5	1449.0
47.5°	1054.8	1045.2	1035.8	1021.5	1054.8	1040.5	1040.5	1050.0	1040.5	1040.5	1054.8
50°	707.9	712.6	707.9	698.4	707.9	703.1	707.9	717.4	707.9	703.1	707.9
52.5°	470.4	470.4	460.9	456.1	465.6	460.9	475.1	465.6	475.1	460.9	465.6
55°	285.0	289.8	285.0	280.2	285.0	280.2	294.5	289.8	294.5	280.2	285.0
57.5°	161.5	161.5	166.2	161.5	171.0	166.2	166.2	166.2	166.2	166.2	171.0
60°	90.2	90.2	90.2	90.2	90.2	90.2	95.0	90.2	95.0	90.2	90.2
62.5°	61.8	61.8	61.8	57.0	61.8	57.0	61.8	61.8	61.8	57.0	61.8
65°	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
67.5°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
70°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5	28.5
72.5°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
75°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
77.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.8	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: P212848

CATALOG NUMBER: LE\_6B60D010R EC6B60708027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1
2.5°	4157.1	4109.6	4133.4	4180.9	4114.4	4171.4	4138.1	4081.1	4081.1	4123.9	4133.4
5°	4209.4	4176.1	4195.1	4237.9	4171.4	4228.4	4190.4	4133.4	4128.6	4171.4	4185.6
7.5°	4256.9	4223.6	4247.4	4290.1	4218.9	4275.9	4242.6	4180.9	4171.4	4214.1	4228.4
10°	4271.1	4242.6	4261.6	4309.1	4237.9	4290.1	4266.4	4199.9	4195.1	4228.4	4247.4
12.5°	4294.9	4271.1	4294.9	4342.4	4271.1	4323.4	4299.6	4233.1	4223.6	4266.4	4280.6
15°	4342.4	4318.6	4347.1	4389.9	4323.4	4366.1	4342.4	4275.9	4271.1	4304.4	4323.4
17.5°	4347.1	4328.1	4356.6	4389.9	4323.4	4366.1	4347.1	4275.9	4271.1	4309.1	4323.4
20°	4271.1	4271.1	4294.9	4328.1	4256.9	4299.6	4280.6	4209.4	4209.4	4242.6	4256.9
22.5°	4161.9	4166.6	4190.4	4218.9	4147.6	4190.4	4171.4	4100.1	4104.9	4133.4	4152.4
25°	4019.4	4028.9	4047.9	4076.4	4009.9	4047.9	4019.4	3962.4	3957.6	3990.9	4014.6
27.5°	3834.0	3848.2	3867.2	3891.1	3829.2	3857.8	3838.8	3781.8	3777.0	3810.2	3834.0
30°	3601.2	3620.2	3639.2	3653.5	3596.5	3625.0	3601.2	3549.0	3549.0	3577.5	3591.8
32.5°	3325.8	3344.8	3368.5	3378.0	3321.0	3354.2	3335.2	3278.2	3278.2	3306.8	3335.2
35°	2997.9	3031.1	3045.4	3059.6	3002.6	3021.6	3031.1	2955.1	2964.6	2988.4	3026.4
37.5°	2646.2	2674.8	2693.9	2703.4	2651.0	2670.0	2674.8	2608.2	2617.8	2636.8	2679.6
40°	2252.0	2285.2	2299.5	2304.2	2266.2	2280.5	2285.2	2218.8	2233.0	2247.2	2280.5
42.5°	1857.6	1862.4	1876.6	1886.1	1852.9	1857.6	1867.1	1805.4	1824.4	1829.1	1862.4
45°	1415.8	1434.8	1444.2	1453.8	1425.2	1434.8	1434.8	1392.0	1396.8	1406.2	1434.8
47.5°	1021.5	1035.8	1045.2	1054.8	1031.0	1040.5	1040.5	997.8	1012.0	1016.8	1035.8
50°	698.4	707.9	712.6	707.9	707.9	707.9	707.9	684.1	698.4	684.1	707.9
52.5°	456.1	460.9	470.4	470.4	456.1	465.6	465.6	446.6	451.4	451.4	465.6
55°	280.2	285.0	289.8	285.0	280.2	285.0	285.0	275.5	285.0	275.5	289.8
57.5°	161.5	166.2	161.5	161.5	161.5	161.5	161.5	161.5	161.5	156.8	166.2
60°	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	95.0
62.5°	57.0	61.8	61.8	61.8	61.8	61.8	61.8	57.0	61.8	61.8	61.8
65°	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	52.2
67.5°	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	42.8
70°	28.5	28.5	28.5	28.5	28.5	28.5	33.2	33.2	28.5	33.2	33.2
72.5°	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.8
75°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2	19.0
77.5°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5
80°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	9.5
82.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	4.8	0.0	4.8
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: P212848

CATALOG NUMBER: LE\_6B60D010R EC6B60708027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1
2.5°	4128.6	4090.6	4090.6	4047.9	4085.9	4090.6	4043.1	4028.9	4081.1	4024.1	4052.6
5°	4166.6	4128.6	4128.6	4085.9	4114.4	4114.4	4066.9	4043.1	4095.4	4038.4	4062.1
7.5°	4214.1	4171.4	4161.9	4119.1	4142.9	4147.6	4090.6	4057.4	4109.6	4043.1	4066.9
10°	4228.4	4180.9	4176.1	4133.4	4152.4	4157.1	4090.6	4062.1	4104.9	4033.6	4047.9
12.5°	4261.6	4209.4	4209.4	4166.6	4180.9	4180.9	4114.4	4076.4	4114.4	4043.1	4052.6
15°	4299.6	4242.6	4242.6	4199.9	4209.4	4214.1	4133.4	4095.4	4128.6	4052.6	4062.1
17.5°	4299.6	4237.9	4237.9	4199.9	4204.6	4199.9	4123.9	4081.1	4104.9	4024.1	4028.9
20°	4233.1	4171.4	4180.9	4138.1	4142.9	4138.1	4057.4	4014.6	4038.4	3952.9	3962.4
22.5°	4123.9	4066.9	4076.4	4038.4	4038.4	4033.6	3957.6	3914.9	3938.6	3853.0	3857.8
25°	3986.1	3929.1	3938.6	3900.6	3905.4	3905.4	3829.2	3781.8	3805.5	3729.5	3729.5
27.5°	3805.5	3748.5	3762.8	3739.0	3724.8	3729.5	3663.0	3615.5	3639.2	3568.0	3568.0
30°	3572.8	3525.2	3539.5	3520.5	3506.2	3506.2	3449.2	3401.8	3425.5	3363.8	3359.0
32.5°	3297.2	3259.1	3273.5	3259.1	3244.9	3259.1	3197.4	3149.9	3173.6	3126.1	3130.9
35°	2997.9	2959.9	2969.4	2955.1	2945.6	2955.1	2893.4	2860.1	2883.9	2836.4	2855.4
37.5°	2665.2	2598.8	2627.2	2617.8	2608.2	2613.0	2556.0	2532.2	2560.8	2532.2	2546.5
40°	2275.8	2228.2	2247.2	2237.8	2228.2	2252.0	2209.2	2176.0	2199.8	2180.8	2209.2
42.5°	1852.9	1814.9	1838.6	1833.9	1819.6	1848.1	1814.9	1791.1	1829.1	1819.6	1843.4
45°	1425.2	1396.8	1415.8	1415.8	1411.0	1434.8	1401.5	1406.2	1444.2	1458.5	1487.0
47.5°	1031.0	988.2	1012.0	1026.2	1026.2	1050.0	1031.0	1050.0	1092.8	1121.2	1145.0
50°	703.1	693.6	698.4	703.1	712.6	731.6	726.9	755.4	783.9	831.4	859.9
52.5°	465.6	456.1	465.6	470.4	479.9	498.9	498.9	532.1	565.4	608.1	641.4
55°	289.8	285.0	289.8	294.5	304.1	323.1	327.9	361.1	394.4	437.1	465.6
57.5°	166.2	171.0	171.0	180.5	185.2	199.5	213.8	232.8	270.8	313.6	342.1
60°	95.0	95.0	99.8	104.5	109.2	123.5	133.0	152.0	180.5	223.2	242.2
62.5°	61.8	61.8	66.5	66.5	71.2	80.8	90.2	109.2	133.0	166.2	185.2
65°	52.2	52.2	52.2	57.0	57.0	66.5	76.0	90.2	109.2	133.0	152.0
67.5°	42.8	42.8	42.8	47.5	47.5	52.2	61.8	71.2	85.5	104.5	118.8
70°	33.2	33.2	33.2	38.0	38.0	42.8	47.5	52.2	66.5	80.8	90.2
72.5°	23.8	23.8	28.5	28.5	28.5	33.2	38.0	42.8	52.2	61.8	66.5
75°	19.0	19.0	19.0	19.0	23.8	23.8	28.5	33.2	38.0	42.8	47.5
77.5°	9.5	9.5	14.2	14.2	14.2	19.0	19.0	23.8	28.5	33.2	33.2
80°	9.5	9.5	9.5	9.5	9.5	14.2	14.2	14.2	19.0	23.8	23.8
82.5°	4.8	4.8	4.8	4.8	4.8	9.5	9.5	9.5	14.2	14.2	14.2
85°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	9.5	9.5	9.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	4.8	4.8	4.8	4.8
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: P212848

CATALOG NUMBER: LE\_6B60D010R EC6B60708027 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1	4081.1
2.5°	4019.4	4033.6	4033.6	4019.4	3981.4	4014.6	4047.9	4014.6	4057.4	3981.4	3981.4
5°	4019.4	4028.9	4024.1	4005.1	3967.1	3995.6	4019.4	3986.1	4019.4	3948.1	3943.4
7.5°	4028.9	4019.4	4009.9	3986.1	3938.6	3957.6	3981.4	3943.4	3976.6	3900.6	3891.1
10°	4009.9	3995.6	3976.6	3943.4	3891.1	3905.4	3919.6	3886.4	3910.1	3834.0	3829.2
12.5°	4009.9	3986.1	3957.6	3919.6	3862.5	3872.1	3886.4	3843.5	3862.5	3791.2	3781.8
15°	4019.4	3976.6	3943.4	3900.6	3838.8	3843.5	3853.0	3805.5	3824.5	3748.5	3743.8
17.5°	3986.1	3938.6	3905.4	3853.0	3786.5	3791.2	3791.2	3743.8	3758.0	3682.0	3677.2
20°	3914.9	3857.8	3819.8	3772.2	3701.0	3701.0	3701.0	3653.5	3663.0	3596.5	3587.0
22.5°	3815.0	3753.2	3715.2	3667.8	3601.2	3596.5	3591.8	3553.8	3553.8	3492.0	3477.8
25°	3682.0	3625.0	3587.0	3544.2	3477.8	3468.2	3468.2	3435.0	3430.2	3373.2	3363.8
27.5°	3530.0	3463.5	3430.2	3392.2	3330.5	3321.0	3316.2	3297.2	3287.8	3225.9	3221.1
30°	3325.8	3268.6	3240.1	3206.9	3149.9	3140.4	3135.6	3116.6	3111.9	3050.1	3050.1
32.5°	3107.1	3035.9	3016.9	2983.6	2940.9	2936.1	2940.9	2917.1	2898.1	2855.4	2845.9
35°	2845.9	2774.6	2760.4	2746.1	2712.9	2703.4	2698.6	2693.9	2670.0	2641.5	2627.2
37.5°	2541.8	2480.0	2480.0	2475.2	2451.5	2451.5	2451.5	2442.0	2418.2	2408.8	2380.2
40°	2214.0	2166.5	2171.2	2176.0	2166.5	2171.2	2176.0	2166.5	2147.5	2138.0	2114.2
42.5°	1862.4	1838.6	1857.6	1871.9	1871.9	1886.1	1895.6	1895.6	1871.9	1867.1	1848.1
45°	1510.9	1506.1	1544.1	1572.6	1582.1	1605.9	1620.1	1610.6	1610.6	1610.6	1591.6
47.5°	1183.0	1202.0	1235.2	1292.2	1311.2	1339.8	1349.2	1363.5	1358.8	1363.5	1349.2
50°	898.0	940.8	983.5	1040.5	1069.0	1102.2	1116.5	1135.5	1135.5	1140.2	1130.8
52.5°	679.4	712.6	783.9	821.9	855.1	888.4	907.5	926.5	931.2	931.2	921.8
55°	503.6	551.1	598.6	650.9	679.4	712.6	726.9	745.9	745.9	755.4	745.9
57.5°	365.9	413.4	465.6	503.6	536.9	560.6	574.9	589.1	598.6	598.6	593.9
60°	270.8	308.9	351.6	389.6	418.1	441.9	451.4	465.6	470.4	470.4	460.9
62.5°	204.2	242.2	280.2	313.6	332.6	351.6	361.1	370.6	370.6	370.6	365.9
65°	166.2	194.8	223.2	251.8	270.8	285.0	289.8	299.4	294.5	299.4	294.5
67.5°	133.0	152.0	175.8	194.8	209.0	218.5	223.2	232.8	228.0	232.8	228.0
70°	99.8	118.8	133.0	147.2	156.8	166.2	171.0	175.8	171.0	175.8	171.0
72.5°	76.0	85.5	99.8	114.0	118.8	123.5	128.2	128.2	128.2	133.0	128.2
75°	52.2	61.8	71.2	76.0	85.5	90.2	90.2	95.0	95.0	95.0	95.0
77.5°	38.0	42.8	47.5	52.2	57.0	61.8	61.8	66.5	66.5	66.5	66.5
80°	23.8	28.5	28.5	33.2	38.0	38.0	42.8	42.8	42.8	42.8	42.8
82.5°	14.2	19.0	19.0	23.8	23.8	23.8	28.5	28.5	28.5	28.5	28.5
85°	9.5	9.5	9.5	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.2
87.5°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	9.5	9.5	4.8	4.8
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: P212848

CATALOG NUMBER: LE\_6B60D010R EC6B60708027 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	4081.1	4081.1	4081.1	4081.1
2.5°	4019.4	3995.6	4033.6	3976.6
5°	3976.6	3952.9	4000.4	3929.1
7.5°	3924.4	3900.6	3943.4	3872.1
10°	3857.8	3834.0	3872.1	3796.0
12.5°	3800.8	3777.0	3819.8	3748.5
15°	3758.0	3734.2	3772.2	3705.8
17.5°	3691.5	3663.0	3705.8	3634.5
20°	3596.5	3577.5	3610.8	3539.5
22.5°	3487.2	3468.2	3506.2	3435.0
25°	3373.2	3349.5	3387.5	3316.2
27.5°	3225.9	3206.9	3244.9	3173.6
30°	3050.1	3031.1	3069.1	3002.6
32.5°	2850.6	2831.6	2860.1	2803.1
35°	2622.5	2608.2	2636.8	2575.0
37.5°	2375.5	2361.2	2389.8	2328.0
40°	2109.5	2095.2	2119.0	2090.5
42.5°	1848.1	1833.9	1857.6	1833.9
45°	1591.6	1582.1	1605.9	1582.1
47.5°	1354.0	1344.5	1368.2	1344.5
50°	1126.0	1130.8	1140.2	1130.8
52.5°	921.8	921.8	936.0	921.8
55°	745.9	750.6	755.4	745.9
57.5°	593.9	593.9	598.6	593.9
60°	460.9	465.6	465.6	460.9
62.5°	365.9	365.9	365.9	365.9
65°	289.8	289.8	294.5	289.8
67.5°	228.0	223.2	228.0	223.2
70°	171.0	171.0	171.0	171.0
72.5°	133.0	133.0	128.2	128.2
75°	95.0	99.8	95.0	95.0
77.5°	66.5	66.5	66.5	66.5
80°	42.8	42.8	42.8	42.8
82.5°	28.5	28.5	28.5	28.5
85°	19.0	14.2	14.2	14.2
87.5°	9.5	4.8	4.8	4.8
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)