

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: P212836

Luminaire Tested: **LE_6B50D010R EC6B30508030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212836
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_6B50D010R EC6B30508030 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6384.2 lumens
Efficiency: N/A
Efficacy: 108.6 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

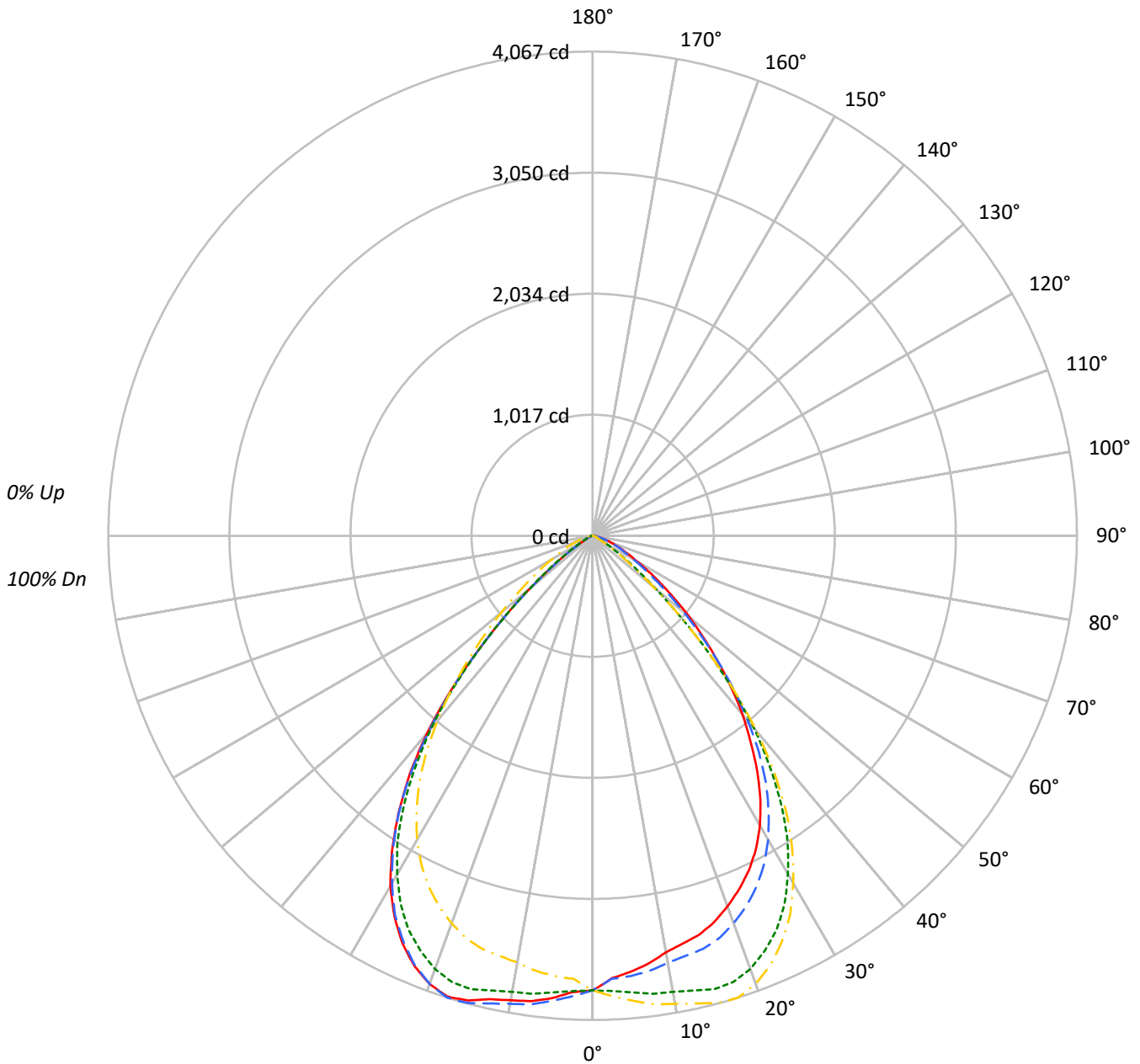
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91					91			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82					82			
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73					73			
4	92	83	76	71	90	82	75	70	79	74	70	77	73	69	75	71	68	66					66			
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60					60			
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54					54			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49					49			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45					45			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42					42			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38					38			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	209331	209331	209331	209331
5°	202300	211836	214533	211836
10°	197714	216518	220481	216518
15°	196778	223775	229332	223775
20°	193193	225875	233651	225875
25°	187680	221021	228545	221021
30°	177837	207665	214976	207665
35°	161231	185036	190095	185036
40°	139969	150783	154604	150783
45°	114756	104081	104771	104081
50°	90232	58386	57243	58386
55°	66703	28883	25911	28883
60°	47266	12674	9265	12674
65°	35166	8068	5772	8068
70°	25645	6411	4264	6411
75°	18830	4702	2838	4702
80°	12628	4230	1421	4230
85°	8428	2830	2830	2830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.5	5.7
10°-20°	1082.6	17.0
20°-30°	1615.7	25.3
30°-40°	1659.9	26.0
40°-50°	1074.9	16.8
50°-60°	399.7	6.3
60°-70°	131.1	2.1
70°-80°	46.3	0.7
80°-90°	8.3	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°	3063.8	48.0
0°-40°	4723.8	74.0
0°-60°	6198.4	97.1
0°-90°	6384.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6384.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3818	3818	3818	3818	3818	
5°	3676	3850	3898	3850	3676	347
15°	3467	3943	4041	3943	3467	975
25°	3103	3654	3778	3654	3103	1422
35°	2409	2765	2840	2765	2409	1496
45°	1480	1342	1351	1342	1480	1145
55°	698	302	271	302	698	636
65°	271	62	44	62	271	276
75°	89	22	13	22	89	98
85°	13	4	4	4	13	18
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°	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5
2.5°	3720.6	3774.0	3738.4	3760.6	3725.1	3725.1	3796.2	3756.2	3787.4	3756.2	3725.1
5°	3676.2	3742.9	3698.4	3720.6	3689.5	3694.0	3760.6	3729.5	3760.6	3738.4	3711.8
7.5°	3622.9	3689.5	3649.5	3671.8	3640.6	3649.5	3720.6	3689.5	3725.1	3702.9	3685.1
10°	3551.8	3622.9	3587.2	3609.5	3582.9	3587.2	3658.4	3636.1	3667.2	3654.0	3640.6
12.5°	3507.2	3574.0	3534.0	3556.1	3538.4	3547.2	3614.0	3596.1	3636.1	3622.9	3614.0
15°	3467.2	3529.5	3494.0	3516.1	3502.9	3507.2	3578.4	3560.6	3605.1	3596.1	3591.8
17.5°	3400.6	3467.2	3427.2	3453.9	3440.6	3445.0	3516.1	3502.9	3547.2	3547.2	3542.9
20°	3311.6	3378.4	3347.2	3365.0	3356.1	3365.0	3427.2	3418.4	3462.9	3462.9	3462.9
22.5°	3213.9	3280.6	3245.0	3262.8	3253.9	3267.2	3325.0	3325.0	3360.6	3365.0	3369.5
25°	3102.8	3169.5	3133.9	3156.1	3147.2	3156.1	3209.5	3213.9	3245.0	3245.0	3253.9
27.5°	2969.4	3036.1	3000.5	3018.2	3013.9	3018.2	3076.1	3085.0	3102.8	3107.2	3116.1
30°	2809.4	2871.6	2836.0	2853.9	2853.9	2853.9	2911.6	2916.0	2933.9	2938.2	2947.1
32.5°	2622.6	2676.0	2649.4	2667.1	2662.6	2671.6	2711.6	2729.4	2751.6	2747.1	2751.6
35°	2409.2	2467.1	2440.4	2453.8	2458.2	2471.5	2498.2	2520.5	2524.9	2529.4	2538.2
37.5°	2178.1	2236.0	2209.2	2222.6	2227.0	2253.8	2262.6	2284.9	2293.8	2293.8	2293.8
40°	1955.9	1982.6	1960.4	1973.6	1978.1	2000.4	2009.2	2027.0	2035.9	2031.5	2027.0
42.5°	1715.9	1738.1	1715.9	1729.2	1729.2	1747.0	1751.4	1773.6	1773.6	1764.8	1751.4
45°	1480.2	1502.5	1480.2	1489.1	1489.1	1506.9	1506.9	1506.9	1515.9	1502.5	1480.2
47.5°	1258.0	1280.2	1258.0	1266.9	1262.5	1275.8	1271.4	1275.8	1262.5	1253.5	1226.9
50°	1058.0	1066.9	1058.0	1053.5	1058.0	1066.9	1062.4	1062.4	1044.6	1031.2	1000.1
52.5°	862.4	875.8	862.4	862.4	862.4	871.2	871.2	866.9	849.0	831.2	800.1
55°	697.9	706.8	702.4	697.9	697.9	706.8	697.9	697.9	680.1	666.8	635.6
57.5°	555.6	560.1	555.6	555.6	555.6	560.1	560.1	551.2	537.9	524.5	502.2
60°	431.1	435.6	435.6	431.1	431.1	440.1	440.1	435.6	422.2	413.4	391.1
62.5°	342.2	342.2	342.2	342.2	342.2	346.8	346.8	346.8	337.9	329.0	311.1
65°	271.1	275.6	271.1	271.1	275.6	280.0	275.6	280.0	271.1	266.8	253.4
67.5°	208.9	213.4	208.9	213.4	213.4	217.9	213.4	217.9	208.9	204.5	195.6
70°	160.0	160.0	160.0	160.0	160.0	164.5	160.0	164.5	160.0	155.6	146.8
72.5°	120.0	120.0	124.5	124.5	120.0	124.5	120.0	120.0	120.0	115.6	111.1
75°	88.9	88.9	93.4	88.9	88.9	88.9	88.9	88.9	84.5	84.5	80.0
77.5°	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	57.8	57.8	53.4
80°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	35.5	35.5
82.5°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	22.2	22.2
85°	13.4	13.4	13.4	17.8	13.4	13.4	13.4	13.4	13.4	13.4	13.4
87.5°	4.5	4.5	4.5	8.9	4.5	4.5	8.9	8.9	4.5	4.5	4.5
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°	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5
2.5°	3760.6	3774.0	3774.0	3760.6	3791.8	3765.1	3818.5	3769.5	3782.9	3827.4	3822.9
5°	3747.4	3765.1	3769.5	3760.6	3800.6	3778.4	3831.8	3782.9	3805.1	3849.5	3849.5
7.5°	3729.5	3751.8	3760.6	3769.5	3805.1	3782.9	3845.1	3796.2	3827.4	3880.6	3876.2
10°	3689.5	3720.6	3738.4	3751.8	3787.4	3774.0	3840.6	3800.6	3827.4	3889.6	3885.1
12.5°	3667.2	3702.9	3729.5	3751.8	3791.8	3782.9	3849.5	3814.0	3849.5	3911.8	3911.8
15°	3649.5	3689.5	3720.6	3760.6	3800.6	3791.8	3862.9	3831.8	3867.4	3942.9	3938.5
17.5°	3605.1	3654.0	3685.1	3729.5	3769.5	3765.1	3840.6	3818.5	3858.5	3929.6	3934.0
20°	3529.5	3574.0	3609.5	3662.9	3707.2	3698.4	3778.4	3756.2	3796.2	3871.8	3876.2
22.5°	3431.8	3476.1	3511.8	3569.5	3609.5	3605.1	3685.1	3662.9	3702.9	3774.0	3778.4
25°	3316.1	3356.1	3391.8	3445.0	3489.5	3489.5	3560.6	3538.4	3582.9	3654.0	3654.0
27.5°	3173.9	3209.5	3240.6	3302.8	3338.4	3338.4	3405.0	3382.8	3427.2	3489.5	3485.0
30°	3000.5	3031.6	3058.2	3111.6	3142.8	3147.2	3205.0	3182.8	3227.2	3280.6	3280.6
32.5°	2791.6	2822.8	2840.5	2907.1	2929.4	2925.0	2969.4	2947.1	2991.6	3049.4	3036.1
35°	2569.4	2582.6	2596.0	2662.6	2671.6	2653.8	2698.2	2676.0	2707.1	2764.9	2756.0
37.5°	2316.0	2320.4	2320.4	2378.2	2382.6	2369.2	2396.0	2369.2	2391.5	2444.9	2440.4
40°	2035.9	2031.5	2027.0	2071.5	2067.0	2040.4	2058.1	2035.9	2067.0	2107.0	2084.8
42.5°	1751.4	1738.1	1720.2	1742.5	1724.8	1702.5	1711.4	1675.9	1698.1	1729.2	1702.5
45°	1471.4	1444.8	1409.1	1413.6	1391.4	1364.6	1351.4	1315.8	1311.4	1342.5	1320.2
47.5°	1209.1	1155.8	1124.6	1106.9	1071.2	1049.1	1022.4	982.4	964.6	982.4	960.1
50°	973.5	920.1	880.1	840.1	804.6	777.9	733.5	706.8	680.1	684.6	666.8
52.5°	769.0	733.5	666.8	635.6	600.1	569.0	529.0	497.9	466.8	466.8	449.0
55°	609.0	560.1	515.6	471.2	435.6	409.0	369.0	337.9	306.8	302.2	284.5
57.5°	471.2	435.6	386.8	342.2	320.0	293.4	253.4	217.9	200.0	186.8	173.4
60°	364.5	329.0	289.0	253.4	226.8	208.9	168.9	142.2	124.5	115.6	102.2
62.5°	293.4	262.2	226.8	191.1	173.4	155.6	124.5	102.2	84.5	75.6	66.6
65°	235.6	208.9	182.2	155.6	142.2	124.5	102.2	84.5	71.1	62.2	53.4
67.5°	182.2	164.5	142.2	124.5	111.1	97.8	80.0	66.6	57.8	48.9	44.5
70°	137.8	124.5	111.1	93.4	84.5	75.6	62.2	48.9	44.5	40.0	35.5
72.5°	106.6	93.4	80.0	71.1	62.2	57.8	48.9	40.0	35.5	31.1	26.6
75°	71.1	66.6	57.8	48.9	44.5	40.0	35.5	31.1	26.6	22.2	22.2
77.5°	48.9	44.5	40.0	35.5	31.1	31.1	26.6	22.2	17.8	17.8	13.4
80°	31.1	26.6	26.6	22.2	22.2	22.2	17.8	13.4	13.4	13.4	8.9
82.5°	22.2	17.8	17.8	13.4	13.4	13.4	13.4	8.9	8.9	8.9	4.5
85°	13.4	8.9	8.9	8.9	8.9	8.9	8.9	4.5	4.5	4.5	4.5
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	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°	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5
2.5°	3787.4	3827.4	3827.4	3862.9	3867.4	3858.5	3818.5	3818.5	3871.8	3902.9	3849.5
5°	3822.9	3862.9	3862.9	3898.5	3916.2	3902.9	3862.9	3867.4	3920.6	3956.2	3902.9
7.5°	3854.0	3894.0	3902.9	3942.9	3956.2	3942.9	3902.9	3911.8	3969.6	4000.8	3947.4
10°	3867.4	3907.4	3911.8	3956.2	3974.0	3956.2	3925.1	3929.6	3991.8	4014.0	3965.1
12.5°	3898.5	3938.5	3938.5	3987.4	4005.1	3991.8	3951.8	3960.8	4022.9	4045.1	3996.2
15°	3929.6	3969.6	3969.6	4022.9	4045.1	4027.4	3996.2	4000.8	4062.9	4085.1	4045.1
17.5°	3929.6	3965.1	3965.1	4022.9	4045.1	4031.8	3996.2	4000.8	4067.4	4085.1	4045.1
20°	3871.8	3911.8	3902.9	3960.8	3982.9	3969.6	3938.5	3938.5	4005.1	4022.9	3982.9
22.5°	3778.4	3814.0	3805.1	3858.5	3885.1	3867.4	3840.6	3836.2	3902.9	3920.6	3880.6
25°	3649.5	3685.1	3676.2	3729.5	3756.2	3734.0	3702.9	3707.2	3760.6	3787.4	3751.8
27.5°	3498.4	3520.6	3507.2	3560.6	3587.2	3565.1	3534.0	3538.4	3591.8	3609.5	3582.9
30°	3293.9	3311.6	3298.4	3342.8	3360.6	3347.2	3320.6	3320.6	3369.5	3391.8	3365.0
32.5°	3049.4	3062.8	3049.4	3085.0	3120.5	3093.9	3067.2	3067.2	3120.5	3138.4	3107.2
35°	2764.9	2778.2	2769.4	2804.9	2831.6	2796.0	2773.9	2764.9	2836.0	2827.1	2809.4
37.5°	2449.4	2458.2	2431.5	2493.8	2507.1	2467.1	2449.4	2440.4	2502.6	2498.2	2480.4
40°	2093.8	2102.6	2084.8	2129.2	2133.8	2102.6	2089.2	2075.9	2138.1	2133.8	2120.4
42.5°	1715.9	1720.2	1698.1	1733.6	1742.5	1711.4	1707.0	1689.1	1747.0	1738.1	1733.6
45°	1324.6	1324.6	1306.9	1333.6	1342.5	1315.8	1306.9	1302.5	1342.5	1342.5	1333.6
47.5°	960.1	946.9	924.6	964.6	969.0	951.2	946.9	933.5	973.5	973.5	964.6
50°	657.9	653.5	649.0	657.9	662.4	640.1	653.5	640.1	662.4	662.4	662.4
52.5°	440.1	435.6	426.8	435.6	435.6	422.2	422.2	417.9	435.6	435.6	426.8
55°	275.6	271.1	266.8	271.1	271.1	257.9	266.8	257.9	266.8	266.8	262.2
57.5°	168.9	160.0	160.0	155.6	155.6	146.8	151.1	151.1	151.1	151.1	151.1
60°	97.8	93.4	88.9	88.9	88.9	84.5	84.5	84.5	84.5	84.5	84.5
62.5°	62.2	62.2	57.8	57.8	57.8	57.8	57.8	53.4	57.8	57.8	57.8
65°	53.4	48.9	48.9	48.9	48.9	44.5	44.5	44.5	44.5	44.5	44.5
67.5°	44.5	40.0	40.0	40.0	40.0	35.5	35.5	35.5	35.5	35.5	35.5
70°	35.5	31.1	31.1	31.1	31.1	31.1	26.6	31.1	31.1	26.6	26.6
72.5°	26.6	26.6	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
75°	17.8	17.8	17.8	17.8	17.8	13.4	13.4	13.4	13.4	13.4	13.4
77.5°	13.4	13.4	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
80°	8.9	8.9	8.9	8.9	8.9	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	4.5	0.0	4.5	0.0	4.5	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: P212836

CATALOG NUMBER: LE_6B50D010R EC6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5
2.5°	3911.8	3867.4	3845.1	3889.6	3907.4	3885.1	3867.4	3836.2	3867.4	3885.1	3907.4
5°	3965.1	3925.1	3907.4	3938.5	3965.1	3942.9	3929.6	3898.5	3929.6	3942.9	3965.1
7.5°	4014.0	3974.0	3951.8	3982.9	4014.0	3982.9	3969.6	3942.9	3969.6	3982.9	4014.0
10°	4031.8	3987.4	3969.6	3996.2	4027.4	3996.2	3978.5	3960.8	3978.5	3996.2	4027.4
12.5°	4062.9	4018.5	3996.2	4018.5	4049.6	4018.5	4000.8	3987.4	4000.8	4018.5	4049.6
15°	4107.4	4067.4	4040.8	4062.9	4102.9	4067.4	4045.1	4040.8	4045.1	4067.4	4102.9
17.5°	4107.4	4076.2	4049.6	4067.4	4107.4	4080.8	4049.6	4058.5	4049.6	4080.8	4107.4
20°	4049.6	4018.5	3996.2	3996.2	4054.0	4018.5	3991.8	4005.1	3991.8	4018.5	4054.0
22.5°	3947.4	3920.6	3898.5	3894.0	3951.8	3920.6	3885.1	3911.8	3885.1	3920.6	3951.8
25°	3814.0	3787.4	3769.5	3760.6	3818.5	3782.9	3751.8	3778.4	3751.8	3782.9	3818.5
27.5°	3640.6	3618.4	3600.6	3587.2	3640.6	3609.5	3578.4	3605.1	3578.4	3609.5	3640.6
30°	3418.4	3405.0	3387.2	3369.5	3422.9	3391.8	3360.6	3396.1	3360.6	3391.8	3422.9
32.5°	3160.5	3151.6	3129.4	3111.6	3165.0	3129.4	3107.2	3133.9	3107.2	3129.4	3165.0
35°	2862.8	2849.4	2836.0	2804.9	2862.8	2831.6	2831.6	2840.5	2831.6	2831.6	2862.8
37.5°	2529.4	2520.5	2502.6	2476.0	2524.9	2502.6	2493.8	2520.5	2493.8	2502.6	2524.9
40°	2155.9	2151.5	2138.1	2107.0	2160.4	2138.1	2124.9	2160.4	2124.9	2138.1	2160.4
42.5°	1764.8	1755.9	1742.5	1738.1	1764.8	1747.0	1760.2	1760.2	1760.2	1747.0	1764.8
45°	1360.2	1351.4	1342.5	1324.6	1355.8	1346.9	1342.5	1351.4	1342.5	1346.9	1355.8
47.5°	986.9	978.0	969.0	955.8	986.9	973.5	973.5	982.4	973.5	973.5	986.9
50°	662.4	666.8	662.4	653.5	662.4	657.9	662.4	671.2	662.4	657.9	662.4
52.5°	440.1	440.1	431.1	426.8	435.6	431.1	444.5	435.6	444.5	431.1	435.6
55°	266.8	271.1	266.8	262.2	266.8	262.2	275.6	271.1	275.6	262.2	266.8
57.5°	151.1	151.1	155.6	151.1	160.0	155.6	155.6	155.6	155.6	155.6	160.0
60°	84.5	84.5	84.5	84.5	84.5	84.5	88.9	84.5	88.9	84.5	84.5
62.5°	57.8	57.8	57.8	53.4	57.8	53.4	57.8	57.8	57.8	53.4	57.8
65°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
67.5°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
70°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
72.5°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
75°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
77.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5	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: P212836

CATALOG NUMBER: LE_6B50D010R EC6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5
2.5°	3889.6	3845.1	3867.4	3911.8	3849.5	3902.9	3871.8	3818.5	3818.5	3858.5	3867.4
5°	3938.5	3907.4	3925.1	3965.1	3902.9	3956.2	3920.6	3867.4	3862.9	3902.9	3916.2
7.5°	3982.9	3951.8	3974.0	4014.0	3947.4	4000.8	3969.6	3911.8	3902.9	3942.9	3956.2
10°	3996.2	3969.6	3987.4	4031.8	3965.1	4014.0	3991.8	3929.6	3925.1	3956.2	3974.0
12.5°	4018.5	3996.2	4018.5	4062.9	3996.2	4045.1	4022.9	3960.8	3951.8	3991.8	4005.1
15°	4062.9	4040.8	4067.4	4107.4	4045.1	4085.1	4062.9	4000.8	3996.2	4027.4	4045.1
17.5°	4067.4	4049.6	4076.2	4107.4	4045.1	4085.1	4067.4	4000.8	3996.2	4031.8	4045.1
20°	3996.2	3996.2	4018.5	4049.6	3982.9	4022.9	4005.1	3938.5	3938.5	3969.6	3982.9
22.5°	3894.0	3898.5	3920.6	3947.4	3880.6	3920.6	3902.9	3836.2	3840.6	3867.4	3885.1
25°	3760.6	3769.5	3787.4	3814.0	3751.8	3787.4	3760.6	3707.2	3702.9	3734.0	3756.2
27.5°	3587.2	3600.6	3618.4	3640.6	3582.9	3609.5	3591.8	3538.4	3534.0	3565.1	3587.2
30°	3369.5	3387.2	3405.0	3418.4	3365.0	3391.8	3369.5	3320.6	3320.6	3347.2	3360.6
32.5°	3111.6	3129.4	3151.6	3160.5	3107.2	3138.4	3120.5	3067.2	3067.2	3093.9	3120.5
35°	2804.9	2836.0	2849.4	2862.8	2809.4	2827.1	2836.0	2764.9	2773.9	2796.0	2831.6
37.5°	2476.0	2502.6	2520.5	2529.4	2480.4	2498.2	2502.6	2440.4	2449.4	2467.1	2507.1
40°	2107.0	2138.1	2151.5	2155.9	2120.4	2133.8	2138.1	2075.9	2089.2	2102.6	2133.8
42.5°	1738.1	1742.5	1755.9	1764.8	1733.6	1738.1	1747.0	1689.1	1707.0	1711.4	1742.5
45°	1324.6	1342.5	1351.4	1360.2	1333.6	1342.5	1342.5	1302.5	1306.9	1315.8	1342.5
47.5°	955.8	969.0	978.0	986.9	964.6	973.5	973.5	933.5	946.9	951.2	969.0
50°	653.5	662.4	666.8	662.4	662.4	662.4	662.4	640.1	653.5	640.1	662.4
52.5°	426.8	431.1	440.1	440.1	426.8	435.6	435.6	417.9	422.2	422.2	435.6
55°	262.2	266.8	271.1	266.8	262.2	266.8	266.8	257.9	266.8	257.9	271.1
57.5°	151.1	155.6	151.1	151.1	151.1	151.1	151.1	151.1	151.1	146.8	155.6
60°	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	88.9
62.5°	53.4	57.8	57.8	57.8	57.8	57.8	57.8	53.4	57.8	57.8	57.8
65°	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	48.9
67.5°	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5	40.0
70°	26.6	26.6	26.6	26.6	26.6	26.6	31.1	31.1	26.6	31.1	31.1
72.5°	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2	22.2
75°	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4	17.8
77.5°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9	8.9
80°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	8.9
82.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.5	0.0	4.5	0.0	4.5
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: P212836

CATALOG NUMBER: LE_6B50D010R EC6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5
2.5°	3862.9	3827.4	3827.4	3787.4	3822.9	3827.4	3782.9	3769.5	3818.5	3765.1	3791.8
5°	3898.5	3862.9	3862.9	3822.9	3849.5	3849.5	3805.1	3782.9	3831.8	3778.4	3800.6
7.5°	3942.9	3902.9	3894.0	3854.0	3876.2	3880.6	3827.4	3796.2	3845.1	3782.9	3805.1
10°	3956.2	3911.8	3907.4	3867.4	3885.1	3889.6	3827.4	3800.6	3840.6	3774.0	3787.4
12.5°	3987.4	3938.5	3938.5	3898.5	3911.8	3911.8	3849.5	3814.0	3849.5	3782.9	3791.8
15°	4022.9	3969.6	3969.6	3929.6	3938.5	3942.9	3867.4	3831.8	3862.9	3791.8	3800.6
17.5°	4022.9	3965.1	3965.1	3929.6	3934.0	3929.6	3858.5	3818.5	3840.6	3765.1	3769.5
20°	3960.8	3902.9	3911.8	3871.8	3876.2	3871.8	3796.2	3756.2	3778.4	3698.4	3707.2
22.5°	3858.5	3805.1	3814.0	3778.4	3778.4	3774.0	3702.9	3662.9	3685.1	3605.1	3609.5
25°	3729.5	3676.2	3685.1	3649.5	3654.0	3654.0	3582.9	3538.4	3560.6	3489.5	3489.5
27.5°	3560.6	3507.2	3520.6	3498.4	3485.0	3489.5	3427.2	3382.8	3405.0	3338.4	3338.4
30°	3342.8	3298.4	3311.6	3293.9	3280.6	3280.6	3227.2	3182.8	3205.0	3147.2	3142.8
32.5°	3085.0	3049.4	3062.8	3049.4	3036.1	3049.4	2991.6	2947.1	2969.4	2925.0	2929.4
35°	2804.9	2769.4	2778.2	2764.9	2756.0	2764.9	2707.1	2676.0	2698.2	2653.8	2671.6
37.5°	2493.8	2431.5	2458.2	2449.4	2440.4	2444.9	2391.5	2369.2	2396.0	2369.2	2382.6
40°	2129.2	2084.8	2102.6	2093.8	2084.8	2107.0	2067.0	2035.9	2058.1	2040.4	2067.0
42.5°	1733.6	1698.1	1720.2	1715.9	1702.5	1729.2	1698.1	1675.9	1711.4	1702.5	1724.8
45°	1333.6	1306.9	1324.6	1324.6	1320.2	1342.5	1311.4	1315.8	1351.4	1364.6	1391.4
47.5°	964.6	924.6	946.9	960.1	960.1	982.4	964.6	982.4	1022.4	1049.1	1071.2
50°	657.9	649.0	653.5	657.9	666.8	684.6	680.1	706.8	733.5	777.9	804.6
52.5°	435.6	426.8	435.6	440.1	449.0	466.8	466.8	497.9	529.0	569.0	600.1
55°	271.1	266.8	271.1	275.6	284.5	302.2	306.8	337.9	369.0	409.0	435.6
57.5°	155.6	160.0	160.0	168.9	173.4	186.8	200.0	217.9	253.4	293.4	320.0
60°	88.9	88.9	93.4	97.8	102.2	115.6	124.5	142.2	168.9	208.9	226.8
62.5°	57.8	57.8	62.2	62.2	66.6	75.6	84.5	102.2	124.5	155.6	173.4
65°	48.9	48.9	48.9	53.4	53.4	62.2	71.1	84.5	102.2	124.5	142.2
67.5°	40.0	40.0	40.0	44.5	44.5	48.9	57.8	66.6	80.0	97.8	111.1
70°	31.1	31.1	31.1	35.5	35.5	40.0	44.5	48.9	62.2	75.6	84.5
72.5°	22.2	22.2	26.6	26.6	26.6	31.1	35.5	40.0	48.9	57.8	62.2
75°	17.8	17.8	17.8	17.8	22.2	22.2	26.6	31.1	35.5	40.0	44.5
77.5°	8.9	8.9	13.4	13.4	13.4	17.8	17.8	22.2	26.6	31.1	31.1
80°	8.9	8.9	8.9	8.9	8.9	13.4	13.4	13.4	17.8	22.2	22.2
82.5°	4.5	4.5	4.5	4.5	4.5	8.9	8.9	8.9	13.4	13.4	13.4
85°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	8.9	8.9	8.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.5	4.5	4.5	4.5	4.5
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: P212836

CATALOG NUMBER: LE_6B50D010R EC6B30508030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5	3818.5
2.5°	3760.6	3774.0	3774.0	3760.6	3725.1	3756.2	3787.4	3756.2	3796.2	3725.1	3725.1
5°	3760.6	3769.5	3765.1	3747.4	3711.8	3738.4	3760.6	3729.5	3760.6	3694.0	3689.5
7.5°	3769.5	3760.6	3751.8	3729.5	3685.1	3702.9	3725.1	3689.5	3720.6	3649.5	3640.6
10°	3751.8	3738.4	3720.6	3689.5	3640.6	3654.0	3667.2	3636.1	3658.4	3587.2	3582.9
12.5°	3751.8	3729.5	3702.9	3667.2	3614.0	3622.9	3636.1	3596.1	3614.0	3547.2	3538.4
15°	3760.6	3720.6	3689.5	3649.5	3591.8	3596.1	3605.1	3560.6	3578.4	3507.2	3502.9
17.5°	3729.5	3685.1	3654.0	3605.1	3542.9	3547.2	3547.2	3502.9	3516.1	3445.0	3440.6
20°	3662.9	3609.5	3574.0	3529.5	3462.9	3462.9	3462.9	3418.4	3427.2	3365.0	3356.1
22.5°	3569.5	3511.8	3476.1	3431.8	3369.5	3365.0	3360.6	3325.0	3325.0	3267.2	3253.9
25°	3445.0	3391.8	3356.1	3316.1	3253.9	3245.0	3245.0	3213.9	3209.5	3156.1	3147.2
27.5°	3302.8	3240.6	3209.5	3173.9	3116.1	3107.2	3102.8	3085.0	3076.1	3018.2	3013.9
30°	3111.6	3058.2	3031.6	3000.5	2947.1	2938.2	2933.9	2916.0	2911.6	2853.9	2853.9
32.5°	2907.1	2840.5	2822.8	2791.6	2751.6	2747.1	2751.6	2729.4	2711.6	2671.6	2662.6
35°	2662.6	2596.0	2582.6	2569.4	2538.2	2529.4	2524.9	2520.5	2498.2	2471.5	2458.2
37.5°	2378.2	2320.4	2320.4	2316.0	2293.8	2293.8	2293.8	2284.9	2262.6	2253.8	2227.0
40°	2071.5	2027.0	2031.5	2035.9	2027.0	2031.5	2035.9	2027.0	2009.2	2000.4	1978.1
42.5°	1742.5	1720.2	1738.1	1751.4	1751.4	1764.8	1773.6	1773.6	1751.4	1747.0	1729.2
45°	1413.6	1409.1	1444.8	1471.4	1480.2	1502.5	1515.9	1506.9	1506.9	1506.9	1489.1
47.5°	1106.9	1124.6	1155.8	1209.1	1226.9	1253.5	1262.5	1275.8	1271.4	1275.8	1262.5
50°	840.1	880.1	920.1	973.5	1000.1	1031.2	1044.6	1062.4	1062.4	1066.9	1058.0
52.5°	635.6	666.8	733.5	769.0	800.1	831.2	849.0	866.9	871.2	871.2	862.4
55°	471.2	515.6	560.1	609.0	635.6	666.8	680.1	697.9	697.9	706.8	697.9
57.5°	342.2	386.8	435.6	471.2	502.2	524.5	537.9	551.2	560.1	560.1	555.6
60°	253.4	289.0	329.0	364.5	391.1	413.4	422.2	435.6	440.1	440.1	431.1
62.5°	191.1	226.8	262.2	293.4	311.1	329.0	337.9	346.8	346.8	346.8	342.2
65°	155.6	182.2	208.9	235.6	253.4	266.8	271.1	280.0	275.6	280.0	275.6
67.5°	124.5	142.2	164.5	182.2	195.6	204.5	208.9	217.9	213.4	217.9	213.4
70°	93.4	111.1	124.5	137.8	146.8	155.6	160.0	164.5	160.0	164.5	160.0
72.5°	71.1	80.0	93.4	106.6	111.1	115.6	120.0	120.0	120.0	124.5	120.0
75°	48.9	57.8	66.6	71.1	80.0	84.5	84.5	88.9	88.9	88.9	88.9
77.5°	35.5	40.0	44.5	48.9	53.4	57.8	57.8	62.2	62.2	62.2	62.2
80°	22.2	26.6	26.6	31.1	35.5	35.5	40.0	40.0	40.0	40.0	40.0
82.5°	13.4	17.8	17.8	22.2	22.2	22.2	26.6	26.6	26.6	26.6	26.6
85°	8.9	8.9	8.9	13.4	13.4	13.4	13.4	13.4	13.4	13.4	13.4
87.5°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	8.9	8.9	4.5	4.5
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: P212836

CATALOG NUMBER: LE_6B50D010R EC6B30508030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3818.5	3818.5	3818.5	3818.5
2.5°	3760.6	3738.4	3774.0	3720.6
5°	3720.6	3698.4	3742.9	3676.2
7.5°	3671.8	3649.5	3689.5	3622.9
10°	3609.5	3587.2	3622.9	3551.8
12.5°	3556.1	3534.0	3574.0	3507.2
15°	3516.1	3494.0	3529.5	3467.2
17.5°	3453.9	3427.2	3467.2	3400.6
20°	3365.0	3347.2	3378.4	3311.6
22.5°	3262.8	3245.0	3280.6	3213.9
25°	3156.1	3133.9	3169.5	3102.8
27.5°	3018.2	3000.5	3036.1	2969.4
30°	2853.9	2836.0	2871.6	2809.4
32.5°	2667.1	2649.4	2676.0	2622.6
35°	2453.8	2440.4	2467.1	2409.2
37.5°	2222.6	2209.2	2236.0	2178.1
40°	1973.6	1960.4	1982.6	1955.9
42.5°	1729.2	1715.9	1738.1	1715.9
45°	1489.1	1480.2	1502.5	1480.2
47.5°	1266.9	1258.0	1280.2	1258.0
50°	1053.5	1058.0	1066.9	1058.0
52.5°	862.4	862.4	875.8	862.4
55°	697.9	702.4	706.8	697.9
57.5°	555.6	555.6	560.1	555.6
60°	431.1	435.6	435.6	431.1
62.5°	342.2	342.2	342.2	342.2
65°	271.1	271.1	275.6	271.1
67.5°	213.4	208.9	213.4	208.9
70°	160.0	160.0	160.0	160.0
72.5°	124.5	124.5	120.0	120.0
75°	88.9	93.4	88.9	88.9
77.5°	62.2	62.2	62.2	62.2
80°	40.0	40.0	40.0	40.0
82.5°	26.6	26.6	26.6	26.6
85°	17.8	13.4	13.4	13.4
87.5°	8.9	4.5	4.5	4.5
90°	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)