

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: P212843

Luminaire Tested: **LE_6B50D010R EC6B30509035 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212843
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 EC6B30509035 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5530.3 lumens
Efficiency: N/A
Efficacy: 94.1 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

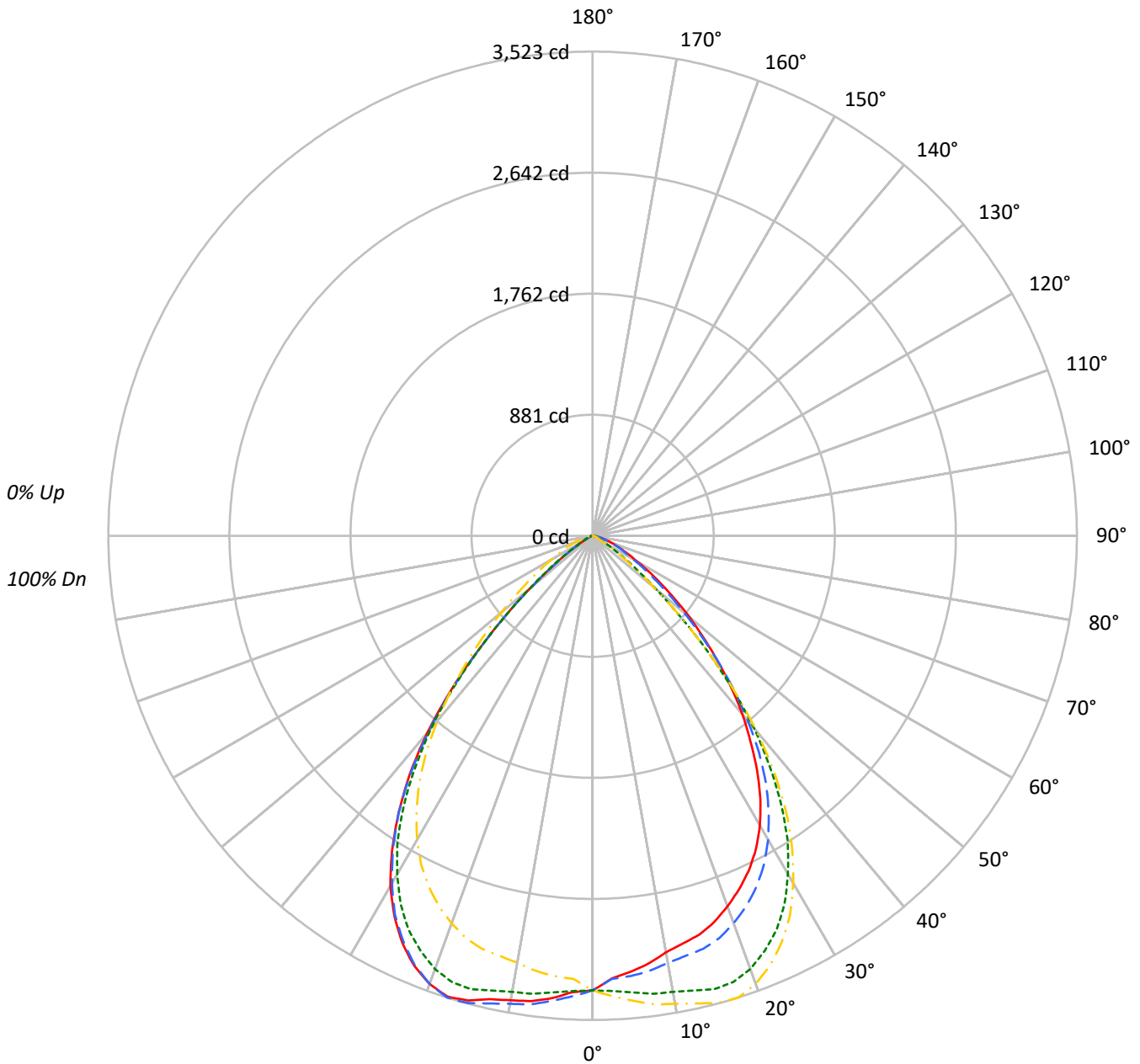
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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°	181334	181334	181334	181334
5°	175242	183513	185840	183513
10°	171273	187561	190990	187561
15°	170461	193849	198650	193849
20°	167361	195667	202405	195667
25°	162578	191455	197981	191455
30°	154049	179895	186231	179895
35°	139675	160287	164671	160287
40°	121241	130616	133929	130616
45°	99406	90157	90754	90157
50°	78164	50574	49593	50574
55°	57776	25031	22451	25031
60°	40951	10975	8015	10975
65°	30470	6992	4994	6992
70°	22215	5546	3703	5546
75°	16309	4067	2436	4067
80°	10923	3631	1231	3631
85°	7233	2453	2453	2453



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.7	5.7
10°-20°	937.9	17.0
20°-30°	1399.6	25.3
30°-40°	1437.9	26.0
40°-50°	931.2	16.8
50°-60°	346.2	6.3
60°-70°	113.6	2.1
70°-80°	40.1	0.7
80°-90°	7.2	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°	2654.1	48.0
0°-40°	4092.0	74.0
0°-60°	5369.4	97.1
0°-90°	5530.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5530.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3308	3308	3308	3308	3308	
5°	3184	3335	3377	3335	3184	301
15°	3004	3416	3500	3416	3004	845
25°	2688	3165	3273	3165	2688	1232
35°	2087	2395	2461	2395	2087	1296
45°	1282	1163	1171	1163	1282	991
55°	604	262	235	262	604	551
65°	235	54	38	54	235	239
75°	77	19	12	19	77	85
85°	12	4	4	4	12	15
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°	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8
2.5°	3223.0	3269.2	3238.5	3257.8	3226.9	3226.9	3288.5	3253.9	3280.8	3253.9	3226.9
5°	3184.5	3242.2	3203.8	3223.0	3196.1	3200.0	3257.8	3230.8	3257.8	3238.5	3215.4
7.5°	3138.4	3196.1	3161.4	3180.6	3153.8	3161.4	3223.0	3196.1	3226.9	3207.6	3192.2
10°	3076.8	3138.4	3107.5	3126.8	3103.6	3107.5	3169.1	3149.9	3176.9	3165.2	3153.8
12.5°	3038.2	3096.0	3061.4	3080.6	3065.1	3072.9	3130.6	3115.2	3149.9	3138.4	3130.6
15°	3003.5	3057.5	3026.6	3045.9	3034.4	3038.2	3099.9	3084.4	3122.9	3115.2	3111.4
17.5°	2945.8	3003.5	2968.9	2992.0	2980.5	2984.2	3045.9	3034.4	3072.9	3072.9	3069.0
20°	2868.8	2926.5	2899.6	2915.0	2907.2	2915.0	2968.9	2961.2	2999.8	2999.8	2999.8
22.5°	2784.0	2841.9	2811.0	2826.4	2818.8	2830.2	2880.4	2880.4	2911.1	2915.0	2918.9
25°	2687.8	2745.5	2714.8	2734.0	2726.2	2734.0	2780.2	2784.0	2811.0	2811.0	2818.8
27.5°	2572.2	2630.0	2599.2	2614.6	2610.8	2614.6	2664.8	2672.4	2687.8	2691.6	2699.4
30°	2433.6	2487.5	2456.8	2472.1	2472.1	2472.1	2522.2	2526.1	2541.5	2545.4	2553.0
32.5°	2271.9	2318.1	2295.0	2310.4	2306.6	2314.2	2348.9	2364.4	2383.6	2379.8	2383.6
35°	2087.1	2137.1	2114.0	2125.6	2129.5	2141.0	2164.1	2183.4	2187.2	2191.0	2198.8
37.5°	1886.9	1936.9	1913.8	1925.4	1929.2	1952.2	1960.0	1979.2	1987.0	1987.0	1987.0
40°	1694.2	1717.4	1698.1	1709.8	1713.6	1732.9	1740.5	1755.9	1763.6	1759.8	1755.9
42.5°	1486.4	1505.6	1486.4	1497.9	1497.9	1513.4	1517.1	1536.4	1536.4	1528.8	1517.1
45°	1282.2	1301.5	1282.2	1290.0	1290.0	1305.4	1305.4	1305.4	1313.1	1301.5	1282.2
47.5°	1089.8	1109.0	1089.8	1097.5	1093.6	1105.1	1101.2	1105.1	1093.6	1085.9	1062.8
50°	916.5	924.1	916.5	912.6	916.5	924.1	920.4	920.4	904.9	893.4	866.4
52.5°	747.0	758.6	747.0	747.0	747.0	754.8	754.8	750.9	735.5	720.1	693.1
55°	604.5	612.2	608.4	604.5	604.5	612.2	604.5	604.5	589.1	577.6	550.6
57.5°	481.4	485.2	481.4	481.4	481.4	485.2	485.2	477.5	465.9	454.4	435.1
60°	373.5	377.4	377.4	373.5	373.5	381.2	381.2	377.4	365.9	358.1	338.9
62.5°	296.5	296.5	296.5	296.5	296.5	300.4	300.4	300.4	292.6	285.0	269.5
65°	234.9	238.8	234.9	234.9	238.8	242.6	238.8	242.6	234.9	231.0	219.5
67.5°	181.0	184.9	181.0	184.9	184.9	188.6	184.9	188.6	181.0	177.1	169.4
70°	138.6	138.6	138.6	138.6	138.6	142.5	138.6	142.5	138.6	134.8	127.1
72.5°	104.0	104.0	107.9	107.9	104.0	107.9	104.0	104.0	104.0	100.1	96.2
75°	77.0	77.0	80.9	77.0	77.0	77.0	77.0	77.0	73.1	73.1	69.4
77.5°	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	50.0	50.0	46.2
80°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	30.8	30.8
82.5°	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	19.2	19.2
85°	11.5	11.5	11.5	15.4	11.5	11.5	11.5	11.5	11.5	11.5	11.5
87.5°	3.9	3.9	3.9	7.8	3.9	3.9	7.8	7.8	3.9	3.9	3.9
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°	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8
2.5°	3257.8	3269.2	3269.2	3257.8	3284.6	3261.5	3307.8	3265.4	3277.0	3315.5	3311.6
5°	3246.1	3261.5	3265.4	3257.8	3292.4	3273.1	3319.2	3277.0	3296.2	3334.8	3334.8
7.5°	3230.8	3250.0	3257.8	3265.4	3296.2	3277.0	3330.9	3288.5	3315.5	3361.6	3357.9
10°	3196.1	3223.0	3238.5	3250.0	3280.8	3269.2	3327.0	3292.4	3315.5	3369.4	3365.5
12.5°	3176.9	3207.6	3230.8	3250.0	3284.6	3277.0	3334.8	3303.9	3334.8	3388.6	3388.6
15°	3161.4	3196.1	3223.0	3257.8	3292.4	3284.6	3346.2	3319.2	3350.1	3415.6	3411.8
17.5°	3122.9	3165.2	3192.2	3230.8	3265.4	3261.5	3327.0	3307.8	3342.4	3404.0	3407.9
20°	3057.5	3096.0	3126.8	3173.0	3211.5	3203.8	3273.1	3253.9	3288.5	3354.0	3357.9
22.5°	2972.8	3011.2	3042.0	3092.1	3126.8	3122.9	3192.2	3173.0	3207.6	3269.2	3273.1
25°	2872.6	2907.2	2938.1	2984.2	3022.8	3022.8	3084.4	3065.1	3103.6	3165.2	3165.2
27.5°	2749.4	2780.2	2807.1	2861.1	2891.9	2891.9	2949.6	2930.4	2968.9	3022.8	3019.0
30°	2599.2	2626.1	2649.2	2695.5	2722.5	2726.2	2776.4	2757.1	2795.6	2841.9	2841.9
32.5°	2418.2	2445.2	2460.6	2518.4	2537.6	2533.8	2572.2	2553.0	2591.5	2641.6	2630.0
35°	2225.8	2237.2	2248.9	2306.6	2314.2	2298.9	2337.4	2318.1	2345.1	2395.1	2387.5
37.5°	2006.2	2010.1	2010.1	2060.1	2064.0	2052.4	2075.5	2052.4	2071.6	2117.9	2114.0
40°	1763.6	1759.8	1755.9	1794.4	1790.6	1767.5	1782.9	1763.6	1790.6	1825.2	1806.0
42.5°	1517.1	1505.6	1490.2	1509.5	1494.1	1474.9	1482.5	1451.8	1471.0	1497.9	1474.9
45°	1274.6	1251.5	1220.6	1224.5	1205.2	1182.1	1170.6	1139.8	1136.0	1162.9	1143.6
47.5°	1047.4	1001.1	974.2	958.9	928.0	908.8	885.6	851.0	835.6	851.0	831.8
50°	843.2	797.1	762.5	727.8	697.0	673.9	635.4	612.2	589.1	593.0	577.6
52.5°	666.1	635.4	577.6	550.6	519.9	492.9	458.2	431.2	404.4	404.4	388.9
55°	527.5	485.2	446.6	408.1	377.4	354.2	319.6	292.6	265.8	261.9	246.5
57.5°	408.1	377.4	335.0	296.5	277.2	254.1	219.5	188.6	173.2	161.8	150.1
60°	315.8	285.0	250.2	219.5	196.4	181.0	146.4	123.2	107.9	100.1	88.6
62.5°	254.1	227.2	196.4	165.6	150.1	134.8	107.9	88.6	73.1	65.5	57.8
65°	204.1	181.0	157.9	134.8	123.2	107.9	88.6	73.1	61.6	53.9	46.2
67.5°	157.9	142.5	123.2	107.9	96.2	84.8	69.4	57.8	50.0	42.4	38.5
70°	119.4	107.9	96.2	80.9	73.1	65.5	53.9	42.4	38.5	34.6	30.8
72.5°	92.4	80.9	69.4	61.6	53.9	50.0	42.4	34.6	30.8	27.0	23.1
75°	61.6	57.8	50.0	42.4	38.5	34.6	30.8	27.0	23.1	19.2	19.2
77.5°	42.4	38.5	34.6	30.8	27.0	27.0	23.1	19.2	15.4	15.4	11.5
80°	27.0	23.1	23.1	19.2	19.2	19.2	15.4	11.5	11.5	11.5	7.8
82.5°	19.2	15.4	15.4	11.5	11.5	11.5	11.5	7.8	7.8	7.8	3.9
85°	11.5	7.8	7.8	7.8	7.8	7.8	7.8	3.9	3.9	3.9	3.9
87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	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°	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8
2.5°	3280.8	3315.5	3315.5	3346.2	3350.1	3342.4	3307.8	3307.8	3354.0	3380.9	3334.8
5°	3311.6	3346.2	3346.2	3377.1	3392.5	3380.9	3346.2	3350.1	3396.4	3427.1	3380.9
7.5°	3338.6	3373.2	3380.9	3415.6	3427.1	3415.6	3380.9	3388.6	3438.6	3465.6	3419.4
10°	3350.1	3384.8	3388.6	3427.1	3442.5	3427.1	3400.1	3404.0	3457.9	3477.2	3434.9
12.5°	3377.1	3411.8	3411.8	3454.1	3469.5	3457.9	3423.2	3431.0	3484.9	3504.1	3461.8
15°	3404.0	3438.6	3438.6	3484.9	3504.1	3488.8	3461.8	3465.6	3519.5	3538.8	3504.1
17.5°	3404.0	3434.9	3434.9	3484.9	3504.1	3492.6	3461.8	3465.6	3523.4	3538.8	3504.1
20°	3354.0	3388.6	3380.9	3431.0	3450.2	3438.6	3411.8	3411.8	3469.5	3484.9	3450.2
22.5°	3273.1	3303.9	3296.2	3342.4	3365.5	3350.1	3327.0	3323.1	3380.9	3396.4	3361.6
25°	3161.4	3192.2	3184.5	3230.8	3253.9	3234.6	3207.6	3211.5	3257.8	3280.8	3250.0
27.5°	3030.5	3049.8	3038.2	3084.4	3107.5	3088.2	3061.4	3065.1	3111.4	3126.8	3103.6
30°	2853.4	2868.8	2857.2	2895.8	2911.1	2899.6	2876.5	2876.5	2918.9	2938.1	2915.0
32.5°	2641.6	2653.1	2641.6	2672.4	2703.2	2680.1	2657.0	2657.0	2703.2	2718.6	2691.6
35°	2395.1	2406.8	2399.0	2429.8	2452.9	2422.1	2402.9	2395.1	2456.8	2449.0	2433.6
37.5°	2121.8	2129.5	2106.4	2160.2	2171.8	2137.1	2121.8	2114.0	2168.0	2164.1	2148.8
40°	1813.6	1821.4	1806.0	1844.5	1848.4	1821.4	1809.9	1798.2	1852.2	1848.4	1836.8
42.5°	1486.4	1490.2	1471.0	1501.8	1509.5	1482.5	1478.6	1463.2	1513.4	1505.6	1501.8
45°	1147.5	1147.5	1132.1	1155.2	1162.9	1139.8	1132.1	1128.2	1162.9	1162.9	1155.2
47.5°	831.8	820.2	801.0	835.6	839.5	824.0	820.2	808.6	843.2	843.2	835.6
50°	569.9	566.0	562.2	569.9	573.8	554.5	566.0	554.5	573.8	573.8	573.8
52.5°	381.2	377.4	369.6	377.4	377.4	365.9	365.9	362.0	377.4	377.4	369.6
55°	238.8	234.9	231.0	234.9	234.9	223.4	231.0	223.4	231.0	231.0	227.2
57.5°	146.4	138.6	138.6	134.8	134.8	127.1	130.9	130.9	130.9	130.9	130.9
60°	84.8	80.9	77.0	77.0	77.0	73.1	73.1	73.1	73.1	73.1	73.1
62.5°	53.9	53.9	50.0	50.0	50.0	50.0	50.0	46.2	50.0	50.0	50.0
65°	46.2	42.4	42.4	42.4	42.4	38.5	38.5	38.5	38.5	38.5	38.5
67.5°	38.5	34.6	34.6	34.6	34.6	30.8	30.8	30.8	30.8	30.8	30.8
70°	30.8	27.0	27.0	27.0	27.0	27.0	23.1	27.0	27.0	23.1	23.1
72.5°	23.1	23.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
75°	15.4	15.4	15.4	15.4	15.4	11.5	11.5	11.5	11.5	11.5	11.5
77.5°	11.5	11.5	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	7.8	7.8	7.8	7.8	7.8	3.9	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
85°	3.9	3.9	3.9	3.9	3.9	0.0	3.9	0.0	3.9	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: P212843

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8
2.5°	3388.6	3350.1	3330.9	3369.4	3384.8	3365.5	3350.1	3323.1	3350.1	3365.5	3384.8
5°	3434.9	3400.1	3384.8	3411.8	3434.9	3415.6	3404.0	3377.1	3404.0	3415.6	3434.9
7.5°	3477.2	3442.5	3423.2	3450.2	3477.2	3450.2	3438.6	3415.6	3438.6	3450.2	3477.2
10°	3492.6	3454.1	3438.6	3461.8	3488.8	3461.8	3446.4	3431.0	3446.4	3461.8	3488.8
12.5°	3519.5	3481.0	3461.8	3481.0	3508.0	3481.0	3465.6	3454.1	3465.6	3481.0	3508.0
15°	3558.0	3523.4	3500.2	3519.5	3554.2	3523.4	3504.1	3500.2	3504.1	3523.4	3554.2
17.5°	3558.0	3531.1	3508.0	3523.4	3558.0	3535.0	3508.0	3515.8	3508.0	3535.0	3558.0
20°	3508.0	3481.0	3461.8	3461.8	3511.9	3481.0	3457.9	3469.5	3457.9	3481.0	3511.9
22.5°	3419.4	3396.4	3377.1	3373.2	3423.2	3396.4	3365.5	3388.6	3365.5	3396.4	3423.2
25°	3303.9	3280.8	3265.4	3257.8	3307.8	3277.0	3250.0	3273.1	3250.0	3277.0	3307.8
27.5°	3153.8	3134.5	3119.1	3107.5	3153.8	3126.8	3099.9	3122.9	3099.9	3126.8	3153.8
30°	2961.2	2949.6	2934.2	2918.9	2965.0	2938.1	2911.1	2942.0	2911.1	2938.1	2965.0
32.5°	2737.9	2730.1	2710.9	2695.5	2741.8	2710.9	2691.6	2714.8	2691.6	2710.9	2741.8
35°	2479.9	2468.2	2456.8	2429.8	2479.9	2452.9	2452.9	2460.6	2452.9	2452.9	2479.9
37.5°	2191.0	2183.4	2168.0	2144.9	2187.2	2168.0	2160.2	2183.4	2160.2	2168.0	2187.2
40°	1867.6	1863.8	1852.2	1825.2	1871.5	1852.2	1840.6	1871.5	1840.6	1852.2	1871.5
42.5°	1528.8	1521.0	1509.5	1505.6	1528.8	1513.4	1524.9	1524.9	1524.9	1513.4	1528.8
45°	1178.4	1170.6	1162.9	1147.5	1174.5	1166.8	1162.9	1170.6	1162.9	1166.8	1174.5
47.5°	854.9	847.1	839.5	827.9	854.9	843.2	843.2	851.0	843.2	843.2	854.9
50°	573.8	577.6	573.8	566.0	573.8	569.9	573.8	581.5	573.8	569.9	573.8
52.5°	381.2	381.2	373.5	369.6	377.4	373.5	385.1	377.4	385.1	373.5	377.4
55°	231.0	234.9	231.0	227.2	231.0	227.2	238.8	234.9	238.8	227.2	231.0
57.5°	130.9	130.9	134.8	130.9	138.6	134.8	134.8	134.8	134.8	134.8	138.6
60°	73.1	73.1	73.1	73.1	73.1	73.1	77.0	73.1	77.0	73.1	73.1
62.5°	50.0	50.0	50.0	46.2	50.0	46.2	50.0	50.0	50.0	46.2	50.0
65°	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
67.5°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
70°	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1	23.1
72.5°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
75°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	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: P212843

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8
2.5°	3369.4	3330.9	3350.1	3388.6	3334.8	3380.9	3354.0	3307.8	3307.8	3342.4	3350.1
5°	3411.8	3384.8	3400.1	3434.9	3380.9	3427.1	3396.4	3350.1	3346.2	3380.9	3392.5
7.5°	3450.2	3423.2	3442.5	3477.2	3419.4	3465.6	3438.6	3388.6	3380.9	3415.6	3427.1
10°	3461.8	3438.6	3454.1	3492.6	3434.9	3477.2	3457.9	3404.0	3400.1	3427.1	3442.5
12.5°	3481.0	3461.8	3481.0	3519.5	3461.8	3504.1	3484.9	3431.0	3423.2	3457.9	3469.5
15°	3519.5	3500.2	3523.4	3558.0	3504.1	3538.8	3519.5	3465.6	3461.8	3488.8	3504.1
17.5°	3523.4	3508.0	3531.1	3558.0	3504.1	3538.8	3523.4	3465.6	3461.8	3492.6	3504.1
20°	3461.8	3461.8	3481.0	3508.0	3450.2	3484.9	3469.5	3411.8	3411.8	3438.6	3450.2
22.5°	3373.2	3377.1	3396.4	3419.4	3361.6	3396.4	3380.9	3323.1	3327.0	3350.1	3365.5
25°	3257.8	3265.4	3280.8	3303.9	3250.0	3280.8	3257.8	3211.5	3207.6	3234.6	3253.9
27.5°	3107.5	3119.1	3134.5	3153.8	3103.6	3126.8	3111.4	3065.1	3061.4	3088.2	3107.5
30°	2918.9	2934.2	2949.6	2961.2	2915.0	2938.1	2918.9	2876.5	2876.5	2899.6	2911.1
32.5°	2695.5	2710.9	2730.1	2737.9	2691.6	2718.6	2703.2	2657.0	2657.0	2680.1	2703.2
35°	2429.8	2456.8	2468.2	2479.9	2433.6	2449.0	2456.8	2395.1	2402.9	2422.1	2452.9
37.5°	2144.9	2168.0	2183.4	2191.0	2148.8	2164.1	2168.0	2114.0	2121.8	2137.1	2171.8
40°	1825.2	1852.2	1863.8	1867.6	1836.8	1848.4	1852.2	1798.2	1809.9	1821.4	1848.4
42.5°	1505.6	1509.5	1521.0	1528.8	1501.8	1505.6	1513.4	1463.2	1478.6	1482.5	1509.5
45°	1147.5	1162.9	1170.6	1178.4	1155.2	1162.9	1162.9	1128.2	1132.1	1139.8	1162.9
47.5°	827.9	839.5	847.1	854.9	835.6	843.2	843.2	808.6	820.2	824.0	839.5
50°	566.0	573.8	577.6	573.8	573.8	573.8	573.8	554.5	566.0	554.5	573.8
52.5°	369.6	373.5	381.2	381.2	369.6	377.4	377.4	362.0	365.9	365.9	377.4
55°	227.2	231.0	234.9	231.0	227.2	231.0	231.0	223.4	231.0	223.4	234.9
57.5°	130.9	134.8	130.9	130.9	130.9	130.9	130.9	130.9	130.9	127.1	134.8
60°	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	77.0
62.5°	46.2	50.0	50.0	50.0	50.0	50.0	50.0	46.2	50.0	50.0	50.0
65°	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	42.4
67.5°	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8	34.6
70°	23.1	23.1	23.1	23.1	23.1	23.1	27.0	27.0	23.1	27.0	27.0
72.5°	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2
75°	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	15.4
77.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
80°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.8
82.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	3.9	0.0	3.9
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: P212843

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8
2.5°	3346.2	3315.5	3315.5	3280.8	3311.6	3315.5	3277.0	3265.4	3307.8	3261.5	3284.6
5°	3377.1	3346.2	3346.2	3311.6	3334.8	3334.8	3296.2	3277.0	3319.2	3273.1	3292.4
7.5°	3415.6	3380.9	3373.2	3338.6	3357.9	3361.6	3315.5	3288.5	3330.9	3277.0	3296.2
10°	3427.1	3388.6	3384.8	3350.1	3365.5	3369.4	3315.5	3292.4	3327.0	3269.2	3280.8
12.5°	3454.1	3411.8	3411.8	3377.1	3388.6	3388.6	3334.8	3303.9	3334.8	3277.0	3284.6
15°	3484.9	3438.6	3438.6	3404.0	3411.8	3415.6	3350.1	3319.2	3346.2	3284.6	3292.4
17.5°	3484.9	3434.9	3434.9	3404.0	3407.9	3404.0	3342.4	3307.8	3327.0	3261.5	3265.4
20°	3431.0	3380.9	3388.6	3354.0	3357.9	3354.0	3288.5	3253.9	3273.1	3203.8	3211.5
22.5°	3342.4	3296.2	3303.9	3273.1	3273.1	3269.2	3207.6	3173.0	3192.2	3122.9	3126.8
25°	3230.8	3184.5	3192.2	3161.4	3165.2	3165.2	3103.6	3065.1	3084.4	3022.8	3022.8
27.5°	3084.4	3038.2	3049.8	3030.5	3019.0	3022.8	2968.9	2930.4	2949.6	2891.9	2891.9
30°	2895.8	2857.2	2868.8	2853.4	2841.9	2841.9	2795.6	2757.1	2776.4	2726.2	2722.5
32.5°	2672.4	2641.6	2653.1	2641.6	2630.0	2641.6	2591.5	2553.0	2572.2	2533.8	2537.6
35°	2429.8	2399.0	2406.8	2395.1	2387.5	2395.1	2345.1	2318.1	2337.4	2298.9	2314.2
37.5°	2160.2	2106.4	2129.5	2121.8	2114.0	2117.9	2071.6	2052.4	2075.5	2052.4	2064.0
40°	1844.5	1806.0	1821.4	1813.6	1806.0	1825.2	1790.6	1763.6	1782.9	1767.5	1790.6
42.5°	1501.8	1471.0	1490.2	1486.4	1474.9	1497.9	1471.0	1451.8	1482.5	1474.9	1494.1
45°	1155.2	1132.1	1147.5	1147.5	1143.6	1162.9	1136.0	1139.8	1170.6	1182.1	1205.2
47.5°	835.6	801.0	820.2	831.8	831.8	851.0	835.6	851.0	885.6	908.8	928.0
50°	569.9	562.2	566.0	569.9	577.6	593.0	589.1	612.2	635.4	673.9	697.0
52.5°	377.4	369.6	377.4	381.2	388.9	404.4	404.4	431.2	458.2	492.9	519.9
55°	234.9	231.0	234.9	238.8	246.5	261.9	265.8	292.6	319.6	354.2	377.4
57.5°	134.8	138.6	138.6	146.4	150.1	161.8	173.2	188.6	219.5	254.1	277.2
60°	77.0	77.0	80.9	84.8	88.6	100.1	107.9	123.2	146.4	181.0	196.4
62.5°	50.0	50.0	53.9	53.9	57.8	65.5	73.1	88.6	107.9	134.8	150.1
65°	42.4	42.4	42.4	46.2	46.2	53.9	61.6	73.1	88.6	107.9	123.2
67.5°	34.6	34.6	34.6	38.5	38.5	42.4	50.0	57.8	69.4	84.8	96.2
70°	27.0	27.0	27.0	30.8	30.8	34.6	38.5	42.4	53.9	65.5	73.1
72.5°	19.2	19.2	23.1	23.1	23.1	27.0	30.8	34.6	42.4	50.0	53.9
75°	15.4	15.4	15.4	15.4	19.2	19.2	23.1	27.0	30.8	34.6	38.5
77.5°	7.8	7.8	11.5	11.5	11.5	15.4	15.4	19.2	23.1	27.0	27.0
80°	7.8	7.8	7.8	7.8	7.8	11.5	11.5	11.5	15.4	19.2	19.2
82.5°	3.9	3.9	3.9	3.9	3.9	7.8	7.8	7.8	11.5	11.5	11.5
85°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.8	7.8	7.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9	3.9
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: P212843

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8	3307.8
2.5°	3257.8	3269.2	3269.2	3257.8	3226.9	3253.9	3280.8	3253.9	3288.5	3226.9	3226.9
5°	3257.8	3265.4	3261.5	3246.1	3215.4	3238.5	3257.8	3230.8	3257.8	3200.0	3196.1
7.5°	3265.4	3257.8	3250.0	3230.8	3192.2	3207.6	3226.9	3196.1	3223.0	3161.4	3153.8
10°	3250.0	3238.5	3223.0	3196.1	3153.8	3165.2	3176.9	3149.9	3169.1	3107.5	3103.6
12.5°	3250.0	3230.8	3207.6	3176.9	3130.6	3138.4	3149.9	3115.2	3130.6	3072.9	3065.1
15°	3257.8	3223.0	3196.1	3161.4	3111.4	3115.2	3122.9	3084.4	3099.9	3038.2	3034.4
17.5°	3230.8	3192.2	3165.2	3122.9	3069.0	3072.9	3072.9	3034.4	3045.9	2984.2	2980.5
20°	3173.0	3126.8	3096.0	3057.5	2999.8	2999.8	2999.8	2961.2	2968.9	2915.0	2907.2
22.5°	3092.1	3042.0	3011.2	2972.8	2918.9	2915.0	2911.1	2880.4	2880.4	2830.2	2818.8
25°	2984.2	2938.1	2907.2	2872.6	2818.8	2811.0	2811.0	2784.0	2780.2	2734.0	2726.2
27.5°	2861.1	2807.1	2780.2	2749.4	2699.4	2691.6	2687.8	2672.4	2664.8	2614.6	2610.8
30°	2695.5	2649.2	2626.1	2599.2	2553.0	2545.4	2541.5	2526.1	2522.2	2472.1	2472.1
32.5°	2518.4	2460.6	2445.2	2418.2	2383.6	2379.8	2383.6	2364.4	2348.9	2314.2	2306.6
35°	2306.6	2248.9	2237.2	2225.8	2198.8	2191.0	2187.2	2183.4	2164.1	2141.0	2129.5
37.5°	2060.1	2010.1	2010.1	2006.2	1987.0	1987.0	1987.0	1979.2	1960.0	1952.2	1929.2
40°	1794.4	1755.9	1759.8	1763.6	1755.9	1759.8	1763.6	1755.9	1740.5	1732.9	1713.6
42.5°	1509.5	1490.2	1505.6	1517.1	1517.1	1528.8	1536.4	1536.4	1517.1	1513.4	1497.9
45°	1224.5	1220.6	1251.5	1274.6	1282.2	1301.5	1313.1	1305.4	1305.4	1305.4	1290.0
47.5°	958.9	974.2	1001.1	1047.4	1062.8	1085.9	1093.6	1105.1	1101.2	1105.1	1093.6
50°	727.8	762.5	797.1	843.2	866.4	893.4	904.9	920.4	920.4	924.1	916.5
52.5°	550.6	577.6	635.4	666.1	693.1	720.1	735.5	750.9	754.8	754.8	747.0
55°	408.1	446.6	485.2	527.5	550.6	577.6	589.1	604.5	604.5	612.2	604.5
57.5°	296.5	335.0	377.4	408.1	435.1	454.4	465.9	477.5	485.2	485.2	481.4
60°	219.5	250.2	285.0	315.8	338.9	358.1	365.9	377.4	381.2	381.2	373.5
62.5°	165.6	196.4	227.2	254.1	269.5	285.0	292.6	300.4	300.4	300.4	296.5
65°	134.8	157.9	181.0	204.1	219.5	231.0	234.9	242.6	238.8	242.6	238.8
67.5°	107.9	123.2	142.5	157.9	169.4	177.1	181.0	188.6	184.9	188.6	184.9
70°	80.9	96.2	107.9	119.4	127.1	134.8	138.6	142.5	138.6	142.5	138.6
72.5°	61.6	69.4	80.9	92.4	96.2	100.1	104.0	104.0	104.0	107.9	104.0
75°	42.4	50.0	57.8	61.6	69.4	73.1	73.1	77.0	77.0	77.0	77.0
77.5°	30.8	34.6	38.5	42.4	46.2	50.0	50.0	53.9	53.9	53.9	53.9
80°	19.2	23.1	23.1	27.0	30.8	30.8	34.6	34.6	34.6	34.6	34.6
82.5°	11.5	15.4	15.4	19.2	19.2	19.2	23.1	23.1	23.1	23.1	23.1
85°	7.8	7.8	7.8	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5
87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	7.8	7.8	3.9	3.9
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: P212843

CATALOG NUMBER: LE_6B50D010R EC6B30509035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3307.8	3307.8	3307.8	3307.8
2.5°	3257.8	3238.5	3269.2	3223.0
5°	3223.0	3203.8	3242.2	3184.5
7.5°	3180.6	3161.4	3196.1	3138.4
10°	3126.8	3107.5	3138.4	3076.8
12.5°	3080.6	3061.4	3096.0	3038.2
15°	3045.9	3026.6	3057.5	3003.5
17.5°	2992.0	2968.9	3003.5	2945.8
20°	2915.0	2899.6	2926.5	2868.8
22.5°	2826.4	2811.0	2841.9	2784.0
25°	2734.0	2714.8	2745.5	2687.8
27.5°	2614.6	2599.2	2630.0	2572.2
30°	2472.1	2456.8	2487.5	2433.6
32.5°	2310.4	2295.0	2318.1	2271.9
35°	2125.6	2114.0	2137.1	2087.1
37.5°	1925.4	1913.8	1936.9	1886.9
40°	1709.8	1698.1	1717.4	1694.2
42.5°	1497.9	1486.4	1505.6	1486.4
45°	1290.0	1282.2	1301.5	1282.2
47.5°	1097.5	1089.8	1109.0	1089.8
50°	912.6	916.5	924.1	916.5
52.5°	747.0	747.0	758.6	747.0
55°	604.5	608.4	612.2	604.5
57.5°	481.4	481.4	485.2	481.4
60°	373.5	377.4	377.4	373.5
62.5°	296.5	296.5	296.5	296.5
65°	234.9	234.9	238.8	234.9
67.5°	184.9	181.0	184.9	181.0
70°	138.6	138.6	138.6	138.6
72.5°	107.9	107.9	104.0	104.0
75°	77.0	80.9	77.0	77.0
77.5°	53.9	53.9	53.9	53.9
80°	34.6	34.6	34.6	34.6
82.5°	23.1	23.1	23.1	23.1
85°	15.4	11.5	11.5	11.5
87.5°	7.8	3.9	3.9	3.9
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)