

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: P212845

Luminaire Tested: **LE_6B50D010R EC6B30509050 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212845
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 EC6B30509050 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5563.9 lumens
Efficiency: N/A
Efficacy: 94.6 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

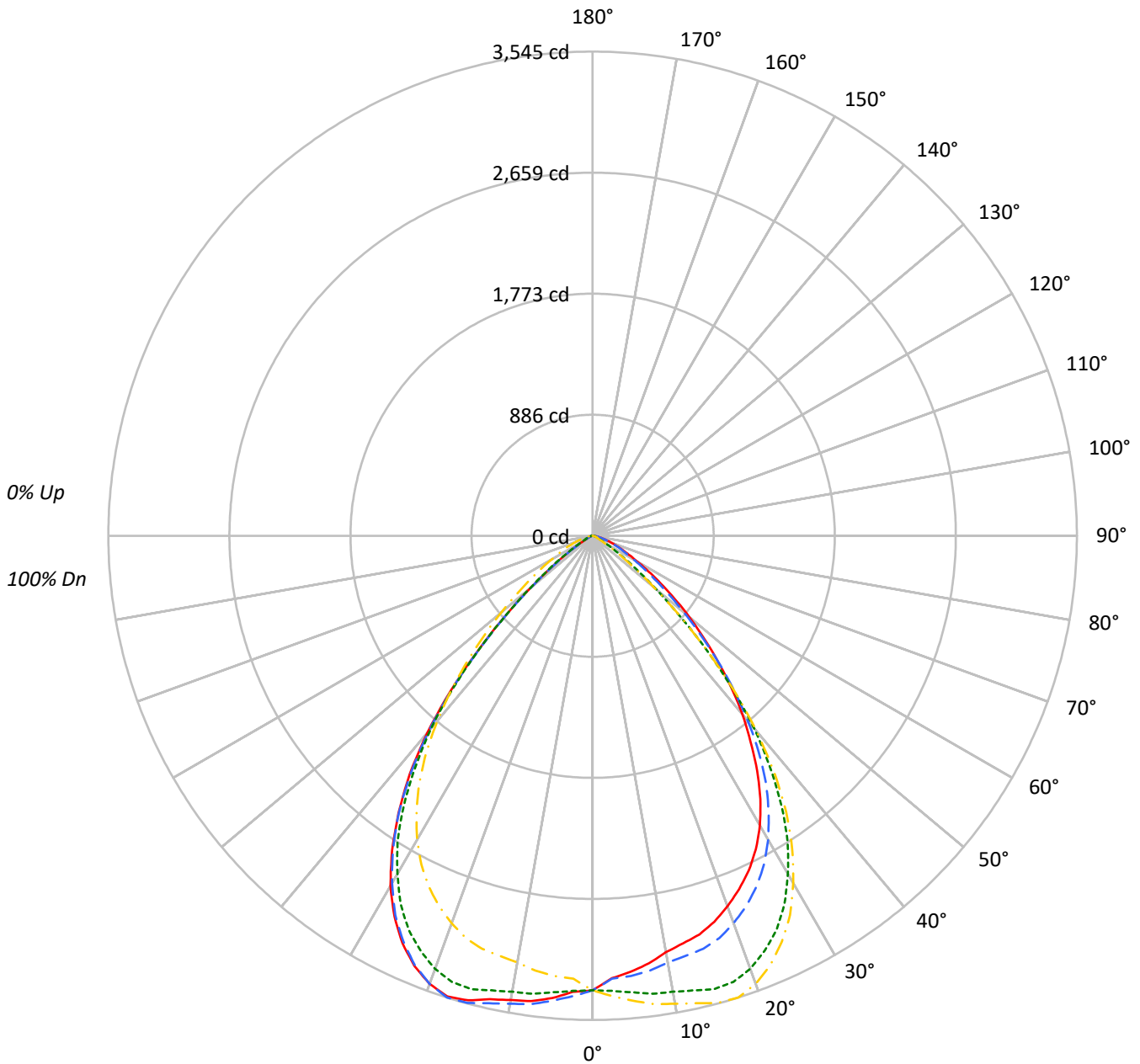
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212845

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSWL11

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	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°	182431	182431	182431	182431
5°	176309	184619	186963	184619
10°	172308	188696	192147	188696
15°	171499	195018	199859	195018
20°	168370	196845	203630	196845
25°	163564	192622	199179	192622
30°	154986	180977	187358	180977
35°	140525	161258	165668	161258
40°	121986	131403	134738	131403
45°	100010	90707	91312	90707
50°	78633	50881	49892	50881
55°	58129	25175	22594	25175
60°	41203	11052	8070	11052
65°	30665	7031	5033	7031
70°	22360	5594	3719	5594
75°	16415	4109	2457	4109
80°	11018	3662	1231	3662
85°	7296	2453	2453	2453



TEST NUMBER: P212845

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSWL11

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.6	5.7
10°-20°	943.5	17.0
20°-30°	1408.0	25.3
30°-40°	1446.6	26.0
40°-50°	936.8	16.8
50°-60°	348.4	6.3
60°-70°	114.3	2.1
70°-80°	40.3	0.7
80°-90°	7.3	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°	2670.2	48.0
0°-40°	4116.8	74.0
0°-60°	5402.0	97.1
0°-90°	5563.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5563.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3328	3328	3328	3328	3328	
5°	3204	3355	3398	3355	3204	303
15°	3022	3436	3522	3436	3022	850
25°	2704	3184	3293	3184	2704	1239
35°	2100	2410	2476	2410	2100	1304
45°	1290	1170	1178	1170	1290	997
55°	608	263	236	263	608	554
65°	236	54	39	54	236	240
75°	78	19	12	19	78	85
85°	12	4	4	4	12	15
90°	0	0	0	0	0	



TEST NUMBER: P212845

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8
2.5°	3242.5	3289.0	3258.0	3277.4	3246.4	3246.4	3308.4	3273.5	3300.6	3273.5	3246.4
5°	3203.9	3261.9	3223.1	3242.5	3215.5	3219.2	3277.4	3250.2	3277.4	3258.0	3234.8
7.5°	3157.4	3215.5	3180.6	3200.0	3172.9	3180.6	3242.5	3215.5	3246.4	3227.0	3211.6
10°	3095.4	3157.4	3126.4	3145.8	3122.5	3126.4	3188.4	3169.0	3196.1	3184.5	3172.9
12.5°	3056.6	3114.8	3079.9	3099.2	3083.8	3091.5	3149.6	3134.1	3169.0	3157.4	3149.6
15°	3021.8	3076.0	3045.0	3064.4	3052.8	3056.6	3118.6	3103.1	3141.9	3134.1	3130.2
17.5°	2963.6	3021.8	2986.9	3010.1	2998.5	3002.4	3064.4	3052.8	3091.5	3091.5	3087.6
20°	2886.1	2944.2	2917.1	2932.6	2924.9	2932.6	2986.9	2979.1	3017.9	3017.9	3017.9
22.5°	2800.9	2859.0	2828.0	2843.5	2835.8	2847.4	2897.8	2897.8	2928.8	2932.6	2936.5
25°	2704.1	2762.1	2731.1	2750.5	2742.8	2750.5	2797.0	2800.9	2828.0	2828.0	2835.8
27.5°	2587.9	2646.0	2615.0	2630.5	2626.6	2630.5	2680.9	2688.6	2704.1	2708.0	2715.8
30°	2448.4	2502.6	2471.6	2487.1	2487.1	2487.1	2537.5	2541.4	2556.9	2560.8	2568.5
32.5°	2285.6	2332.1	2308.9	2324.4	2320.5	2328.2	2363.1	2378.6	2398.0	2394.1	2398.0
35°	2099.8	2150.1	2126.9	2138.5	2142.4	2154.0	2177.2	2196.6	2200.5	2204.4	2212.1
37.5°	1898.2	1948.6	1925.4	1937.0	1940.9	1964.1	1971.9	1991.2	1999.0	1999.0	1999.0
40°	1704.6	1727.9	1708.5	1720.1	1724.0	1743.2	1751.0	1766.5	1774.2	1770.4	1766.5
42.5°	1495.4	1514.8	1495.4	1507.0	1507.0	1522.5	1526.4	1545.8	1545.8	1538.0	1526.4
45°	1290.0	1309.4	1290.0	1297.8	1297.8	1313.2	1313.2	1313.2	1321.0	1309.4	1290.0
47.5°	1096.4	1115.8	1096.4	1104.1	1100.2	1111.9	1108.0	1111.9	1100.2	1092.5	1069.2
50°	922.0	929.8	922.0	918.1	922.0	929.8	925.9	925.9	910.4	898.8	871.6
52.5°	751.5	763.1	751.5	751.5	751.5	759.2	759.2	755.4	740.0	724.5	697.4
55°	608.2	616.0	612.1	608.2	608.2	616.0	608.2	608.2	592.8	581.1	554.0
57.5°	484.2	488.1	484.2	484.2	484.2	488.1	488.1	480.4	468.8	457.1	437.8
60°	375.8	379.6	379.6	375.8	375.8	383.5	383.5	379.6	368.0	360.2	340.9
62.5°	298.2	298.2	298.2	298.2	298.2	302.1	302.1	302.1	294.4	286.6	271.1
65°	236.4	240.2	236.4	236.4	240.2	244.1	240.2	244.1	236.4	232.5	220.9
67.5°	182.1	186.0	182.1	186.0	186.0	189.9	186.0	189.9	182.1	178.2	170.5
70°	139.5	139.5	139.5	139.5	139.5	143.4	139.5	143.4	139.5	135.6	127.9
72.5°	104.6	104.6	108.5	108.5	104.6	108.5	104.6	104.6	104.6	100.8	96.9
75°	77.5	77.5	81.4	77.5	77.5	77.5	77.5	77.5	73.6	73.6	69.8
77.5°	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	50.4	50.4	46.5
80°	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	34.9	31.0	31.0
82.5°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	19.4	19.4
85°	11.6	11.6	11.6	15.5	11.6	11.6	11.6	11.6	11.6	11.6	11.6
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



TEST NUMBER: P212845

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8
2.5°	3277.4	3289.0	3289.0	3277.4	3304.5	3281.2	3327.8	3285.1	3296.8	3335.5	3331.6
5°	3265.8	3281.2	3285.1	3277.4	3312.2	3292.9	3339.4	3296.8	3316.1	3354.9	3354.9
7.5°	3250.2	3269.6	3277.4	3285.1	3316.1	3296.8	3351.0	3308.4	3335.5	3382.0	3378.1
10°	3215.5	3242.5	3258.0	3269.6	3300.6	3289.0	3347.1	3312.2	3335.5	3389.8	3385.9
12.5°	3196.1	3227.0	3250.2	3269.6	3304.5	3296.8	3354.9	3323.9	3354.9	3409.1	3409.1
15°	3180.6	3215.5	3242.5	3277.4	3312.2	3304.5	3366.5	3339.4	3370.4	3436.2	3432.4
17.5°	3141.9	3184.5	3211.6	3250.2	3285.1	3281.2	3347.1	3327.8	3362.6	3424.6	3428.5
20°	3076.0	3114.8	3145.8	3192.2	3230.9	3223.1	3292.9	3273.5	3308.4	3374.2	3378.1
22.5°	2990.8	3029.5	3060.5	3110.9	3145.8	3141.9	3211.6	3192.2	3227.0	3289.0	3292.9
25°	2890.0	2924.9	2955.9	3002.4	3041.1	3041.1	3103.1	3083.8	3122.5	3184.5	3184.5
27.5°	2766.0	2797.0	2824.1	2878.4	2909.4	2909.4	2967.5	2948.1	2986.9	3041.1	3037.2
30°	2615.0	2642.1	2665.4	2711.9	2738.9	2742.8	2793.1	2773.8	2812.5	2859.0	2859.0
32.5°	2432.9	2460.0	2475.5	2533.6	2553.0	2549.1	2587.9	2568.5	2607.2	2657.6	2646.0
35°	2239.1	2250.8	2262.4	2320.5	2328.2	2312.8	2351.5	2332.1	2359.2	2409.6	2401.9
37.5°	2018.4	2022.2	2022.2	2072.6	2076.5	2064.9	2088.1	2064.9	2084.2	2130.8	2126.9
40°	1774.2	1770.4	1766.5	1805.2	1801.4	1778.1	1793.6	1774.2	1801.4	1836.2	1816.9
42.5°	1526.4	1514.8	1499.2	1518.6	1503.1	1483.8	1491.5	1460.5	1479.9	1507.0	1483.8
45°	1282.2	1259.0	1228.1	1232.0	1212.6	1189.4	1177.8	1146.8	1142.9	1170.0	1150.6
47.5°	1053.8	1007.2	980.1	964.6	933.6	914.2	891.0	856.1	840.6	856.1	836.8
50°	848.4	801.9	767.0	732.2	701.2	678.0	639.2	616.0	592.8	596.6	581.1
52.5°	670.2	639.2	581.1	554.0	523.0	495.9	461.0	433.9	406.8	406.8	391.2
55°	530.8	488.1	449.4	410.6	379.6	356.4	321.5	294.4	267.2	263.4	247.9
57.5°	410.6	379.6	337.0	298.2	278.9	255.6	220.9	189.9	174.4	162.8	151.1
60°	317.6	286.6	251.8	220.9	197.6	182.1	147.2	124.0	108.5	100.8	89.1
62.5°	255.6	228.6	197.6	166.6	151.1	135.6	108.5	89.1	73.6	65.9	58.1
65°	205.4	182.1	158.9	135.6	124.0	108.5	89.1	73.6	62.0	54.2	46.5
67.5°	158.9	143.4	124.0	108.5	96.9	85.2	69.8	58.1	50.4	42.6	38.8
70°	120.1	108.5	96.9	81.4	73.6	65.9	54.2	42.6	38.8	34.9	31.0
72.5°	93.0	81.4	69.8	62.0	54.2	50.4	42.6	34.9	31.0	27.1	23.2
75°	62.0	58.1	50.4	42.6	38.8	34.9	31.0	27.1	23.2	19.4	19.4
77.5°	42.6	38.8	34.9	31.0	27.1	27.1	23.2	19.4	15.5	15.5	11.6
80°	27.1	23.2	23.2	19.4	19.4	19.4	15.5	11.6	11.6	11.6	7.8
82.5°	19.4	15.5	15.5	11.6	11.6	11.6	11.6	7.8	7.8	7.8	3.9
85°	11.6	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



TEST NUMBER: P212845

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8
2.5°	3300.6	3335.5	3335.5	3366.5	3370.4	3362.6	3327.8	3327.8	3374.2	3401.4	3354.9
5°	3331.6	3366.5	3366.5	3397.5	3413.0	3401.4	3366.5	3370.4	3416.9	3447.9	3401.4
7.5°	3358.8	3393.6	3401.4	3436.2	3447.9	3436.2	3401.4	3409.1	3459.5	3486.6	3440.1
10°	3370.4	3405.2	3409.1	3447.9	3463.4	3447.9	3420.8	3424.6	3478.9	3498.2	3455.6
12.5°	3397.5	3432.4	3432.4	3475.0	3490.5	3478.9	3444.0	3451.8	3506.0	3525.4	3482.8
15°	3424.6	3459.5	3459.5	3506.0	3525.4	3509.9	3482.8	3486.6	3540.9	3560.2	3525.4
17.5°	3424.6	3455.6	3455.6	3506.0	3525.4	3513.8	3482.8	3486.6	3544.8	3560.2	3525.4
20°	3374.2	3409.1	3401.4	3451.8	3471.1	3459.5	3432.4	3432.4	3490.5	3506.0	3471.1
22.5°	3292.9	3323.9	3316.1	3362.6	3385.9	3370.4	3347.1	3343.2	3401.4	3416.9	3382.0
25°	3180.6	3211.6	3203.9	3250.2	3273.5	3254.1	3227.0	3230.9	3277.4	3300.6	3269.6
27.5°	3048.9	3068.2	3056.6	3103.1	3126.4	3107.0	3079.9	3083.8	3130.2	3145.8	3122.5
30°	2870.6	2886.1	2874.5	2913.2	2928.8	2917.1	2893.9	2893.9	2936.5	2955.9	2932.6
32.5°	2657.6	2669.2	2657.6	2688.6	2719.6	2696.4	2673.1	2673.1	2719.6	2735.0	2708.0
35°	2409.6	2421.2	2413.5	2444.5	2467.8	2436.8	2417.4	2409.6	2471.6	2463.9	2448.4
37.5°	2134.6	2142.4	2119.1	2173.4	2185.0	2150.1	2134.6	2126.9	2181.1	2177.2	2161.8
40°	1824.6	1832.4	1816.9	1855.6	1859.5	1832.4	1820.8	1809.1	1863.4	1859.5	1847.9
42.5°	1495.4	1499.2	1479.9	1510.9	1518.6	1491.5	1487.6	1472.1	1522.5	1514.8	1510.9
45°	1154.5	1154.5	1139.0	1162.2	1170.0	1146.8	1139.0	1135.1	1170.0	1170.0	1162.2
47.5°	836.8	825.1	805.8	840.6	844.5	829.0	825.1	813.5	848.4	848.4	840.6
50°	573.4	569.5	565.6	573.4	577.2	557.9	569.5	557.9	577.2	577.2	577.2
52.5°	383.5	379.6	371.9	379.6	379.6	368.0	368.0	364.1	379.6	379.6	371.9
55°	240.2	236.4	232.5	236.4	236.4	224.8	232.5	224.8	232.5	232.5	228.6
57.5°	147.2	139.5	139.5	135.6	135.6	127.9	131.8	131.8	131.8	131.8	131.8
60°	85.2	81.4	77.5	77.5	77.5	73.6	73.6	73.6	73.6	73.6	73.6
62.5°	54.2	54.2	50.4	50.4	50.4	50.4	50.4	46.5	50.4	50.4	50.4
65°	46.5	42.6	42.6	42.6	42.6	38.8	38.8	38.8	38.8	38.8	38.8
67.5°	38.8	34.9	34.9	34.9	34.9	31.0	31.0	31.0	31.0	31.0	31.0
70°	31.0	27.1	27.1	27.1	27.1	27.1	23.2	27.1	27.1	23.2	23.2
72.5°	23.2	23.2	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
75°	15.5	15.5	15.5	15.5	15.5	11.6	11.6	11.6	11.6	11.6	11.6
77.5°	11.6	11.6	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: P212845

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8
2.5°	3409.1	3370.4	3351.0	3389.8	3405.2	3385.9	3370.4	3343.2	3370.4	3385.9	3405.2
5°	3455.6	3420.8	3405.2	3432.4	3455.6	3436.2	3424.6	3397.5	3424.6	3436.2	3455.6
7.5°	3498.2	3463.4	3444.0	3471.1	3498.2	3471.1	3459.5	3436.2	3459.5	3471.1	3498.2
10°	3513.8	3475.0	3459.5	3482.8	3509.9	3482.8	3467.2	3451.8	3467.2	3482.8	3509.9
12.5°	3540.9	3502.1	3482.8	3502.1	3529.2	3502.1	3486.6	3475.0	3486.6	3502.1	3529.2
15°	3579.6	3544.8	3521.5	3540.9	3575.8	3544.8	3525.4	3521.5	3525.4	3544.8	3575.8
17.5°	3579.6	3552.5	3529.2	3544.8	3579.6	3556.4	3529.2	3537.0	3529.2	3556.4	3579.6
20°	3529.2	3502.1	3482.8	3482.8	3533.1	3502.1	3478.9	3490.5	3478.9	3502.1	3533.1
22.5°	3440.1	3416.9	3397.5	3393.6	3444.0	3416.9	3385.9	3409.1	3385.9	3416.9	3444.0
25°	3323.9	3300.6	3285.1	3277.4	3327.8	3296.8	3269.6	3292.9	3269.6	3296.8	3327.8
27.5°	3172.9	3153.5	3138.0	3126.4	3172.9	3145.8	3118.6	3141.9	3118.6	3145.8	3172.9
30°	2979.1	2967.5	2952.0	2936.5	2983.0	2955.9	2928.8	2959.8	2928.8	2955.9	2983.0
32.5°	2754.4	2746.6	2727.2	2711.9	2758.2	2727.2	2708.0	2731.1	2708.0	2727.2	2758.2
35°	2494.9	2483.2	2471.6	2444.5	2494.9	2467.8	2467.8	2475.5	2467.8	2467.8	2494.9
37.5°	2204.4	2196.6	2181.1	2157.9	2200.5	2181.1	2173.4	2196.6	2173.4	2181.1	2200.5
40°	1878.9	1875.0	1863.4	1836.2	1882.8	1863.4	1851.8	1882.8	1851.8	1863.4	1882.8
42.5°	1538.0	1530.2	1518.6	1514.8	1538.0	1522.5	1534.1	1534.1	1534.1	1522.5	1538.0
45°	1185.5	1177.8	1170.0	1154.5	1181.6	1173.9	1170.0	1177.8	1170.0	1173.9	1181.6
47.5°	860.0	852.2	844.5	832.9	860.0	848.4	848.4	856.1	848.4	848.4	860.0
50°	577.2	581.1	577.2	569.5	577.2	573.4	577.2	585.0	577.2	573.4	577.2
52.5°	383.5	383.5	375.8	371.9	379.6	375.8	387.4	379.6	387.4	375.8	379.6
55°	232.5	236.4	232.5	228.6	232.5	228.6	240.2	236.4	240.2	228.6	232.5
57.5°	131.8	131.8	135.6	131.8	139.5	135.6	135.6	135.6	135.6	135.6	139.5
60°	73.6	73.6	73.6	73.6	73.6	73.6	77.5	73.6	77.5	73.6	73.6
62.5°	50.4	50.4	50.4	46.5	50.4	46.5	50.4	50.4	50.4	46.5	50.4
65°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
67.5°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0
70°	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
72.5°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
75°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
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: P212845

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8
2.5°	3389.8	3351.0	3370.4	3409.1	3354.9	3401.4	3374.2	3327.8	3327.8	3362.6	3370.4
5°	3432.4	3405.2	3420.8	3455.6	3401.4	3447.9	3416.9	3370.4	3366.5	3401.4	3413.0
7.5°	3471.1	3444.0	3463.4	3498.2	3440.1	3486.6	3459.5	3409.1	3401.4	3436.2	3447.9
10°	3482.8	3459.5	3475.0	3513.8	3455.6	3498.2	3478.9	3424.6	3420.8	3447.9	3463.4
12.5°	3502.1	3482.8	3502.1	3540.9	3482.8	3525.4	3506.0	3451.8	3444.0	3478.9	3490.5
15°	3540.9	3521.5	3544.8	3579.6	3525.4	3560.2	3540.9	3486.6	3482.8	3509.9	3525.4
17.5°	3544.8	3529.2	3552.5	3579.6	3525.4	3560.2	3544.8	3486.6	3482.8	3513.8	3525.4
20°	3482.8	3482.8	3502.1	3529.2	3471.1	3506.0	3490.5	3432.4	3432.4	3459.5	3471.1
22.5°	3393.6	3397.5	3416.9	3440.1	3382.0	3416.9	3401.4	3343.2	3347.1	3370.4	3385.9
25°	3277.4	3285.1	3300.6	3323.9	3269.6	3300.6	3277.4	3230.9	3227.0	3254.1	3273.5
27.5°	3126.4	3138.0	3153.5	3172.9	3122.5	3145.8	3130.2	3083.8	3079.9	3107.0	3126.4
30°	2936.5	2952.0	2967.5	2979.1	2932.6	2955.9	2936.5	2893.9	2893.9	2917.1	2928.8
32.5°	2711.9	2727.2	2746.6	2754.4	2708.0	2735.0	2719.6	2673.1	2673.1	2696.4	2719.6
35°	2444.5	2471.6	2483.2	2494.9	2448.4	2463.9	2471.6	2409.6	2417.4	2436.8	2467.8
37.5°	2157.9	2181.1	2196.6	2204.4	2161.8	2177.2	2181.1	2126.9	2134.6	2150.1	2185.0
40°	1836.2	1863.4	1875.0	1878.9	1847.9	1859.5	1863.4	1809.1	1820.8	1832.4	1859.5
42.5°	1514.8	1518.6	1530.2	1538.0	1510.9	1514.8	1522.5	1472.1	1487.6	1491.5	1518.6
45°	1154.5	1170.0	1177.8	1185.5	1162.2	1170.0	1170.0	1135.1	1139.0	1146.8	1170.0
47.5°	832.9	844.5	852.2	860.0	840.6	848.4	848.4	813.5	825.1	829.0	844.5
50°	569.5	577.2	581.1	577.2	577.2	577.2	577.2	557.9	569.5	557.9	577.2
52.5°	371.9	375.8	383.5	383.5	371.9	379.6	379.6	364.1	368.0	368.0	379.6
55°	228.6	232.5	236.4	232.5	228.6	232.5	232.5	224.8	232.5	224.8	236.4
57.5°	131.8	135.6	131.8	131.8	131.8	131.8	131.8	131.8	131.8	127.9	135.6
60°	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	77.5
62.5°	46.5	50.4	50.4	50.4	50.4	50.4	50.4	46.5	50.4	50.4	50.4
65°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	42.6
67.5°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	34.9
70°	23.2	23.2	23.2	23.2	23.2	23.2	27.1	27.1	23.2	27.1	27.1
72.5°	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
75°	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6	15.5
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	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: P212845

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8
2.5°	3366.5	3335.5	3335.5	3300.6	3331.6	3335.5	3296.8	3285.1	3327.8	3281.2	3304.5
5°	3397.5	3366.5	3366.5	3331.6	3354.9	3354.9	3316.1	3296.8	3339.4	3292.9	3312.2
7.5°	3436.2	3401.4	3393.6	3358.8	3378.1	3382.0	3335.5	3308.4	3351.0	3296.8	3316.1
10°	3447.9	3409.1	3405.2	3370.4	3385.9	3389.8	3335.5	3312.2	3347.1	3289.0	3300.6
12.5°	3475.0	3432.4	3432.4	3397.5	3409.1	3409.1	3354.9	3323.9	3354.9	3296.8	3304.5
15°	3506.0	3459.5	3459.5	3424.6	3432.4	3436.2	3370.4	3339.4	3366.5	3304.5	3312.2
17.5°	3506.0	3455.6	3455.6	3424.6	3428.5	3424.6	3362.6	3327.8	3347.1	3281.2	3285.1
20°	3451.8	3401.4	3409.1	3374.2	3378.1	3374.2	3308.4	3273.5	3292.9	3223.1	3230.9
22.5°	3362.6	3316.1	3323.9	3292.9	3292.9	3289.0	3227.0	3192.2	3211.6	3141.9	3145.8
25°	3250.2	3203.9	3211.6	3180.6	3184.5	3184.5	3122.5	3083.8	3103.1	3041.1	3041.1
27.5°	3103.1	3056.6	3068.2	3048.9	3037.2	3041.1	2986.9	2948.1	2967.5	2909.4	2909.4
30°	2913.2	2874.5	2886.1	2870.6	2859.0	2859.0	2812.5	2773.8	2793.1	2742.8	2738.9
32.5°	2688.6	2657.6	2669.2	2657.6	2646.0	2657.6	2607.2	2568.5	2587.9	2549.1	2553.0
35°	2444.5	2413.5	2421.2	2409.6	2401.9	2409.6	2359.2	2332.1	2351.5	2312.8	2328.2
37.5°	2173.4	2119.1	2142.4	2134.6	2126.9	2130.8	2084.2	2064.9	2088.1	2064.9	2076.5
40°	1855.6	1816.9	1832.4	1824.6	1816.9	1836.2	1801.4	1774.2	1793.6	1778.1	1801.4
42.5°	1510.9	1479.9	1499.2	1495.4	1483.8	1507.0	1479.9	1460.5	1491.5	1483.8	1503.1
45°	1162.2	1139.0	1154.5	1154.5	1150.6	1170.0	1142.9	1146.8	1177.8	1189.4	1212.6
47.5°	840.6	805.8	825.1	836.8	836.8	856.1	840.6	856.1	891.0	914.2	933.6
50°	573.4	565.6	569.5	573.4	581.1	596.6	592.8	616.0	639.2	678.0	701.2
52.5°	379.6	371.9	379.6	383.5	391.2	406.8	406.8	433.9	461.0	495.9	523.0
55°	236.4	232.5	236.4	240.2	247.9	263.4	267.2	294.4	321.5	356.4	379.6
57.5°	135.6	139.5	139.5	147.2	151.1	162.8	174.4	189.9	220.9	255.6	278.9
60°	77.5	77.5	81.4	85.2	89.1	100.8	108.5	124.0	147.2	182.1	197.6
62.5°	50.4	50.4	54.2	54.2	58.1	65.9	73.6	89.1	108.5	135.6	151.1
65°	42.6	42.6	42.6	46.5	46.5	54.2	62.0	73.6	89.1	108.5	124.0
67.5°	34.9	34.9	34.9	38.8	38.8	42.6	50.4	58.1	69.8	85.2	96.9
70°	27.1	27.1	27.1	31.0	31.0	34.9	38.8	42.6	54.2	65.9	73.6
72.5°	19.4	19.4	23.2	23.2	23.2	27.1	31.0	34.9	42.6	50.4	54.2
75°	15.5	15.5	15.5	15.5	19.4	19.4	23.2	27.1	31.0	34.9	38.8
77.5°	7.8	7.8	11.6	11.6	11.6	15.5	15.5	19.4	23.2	27.1	27.1
80°	7.8	7.8	7.8	7.8	7.8	11.6	11.6	11.6	15.5	19.4	19.4
82.5°	3.9	3.9	3.9	3.9	3.9	7.8	7.8	7.8	11.6	11.6	11.6
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: P212845

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8	3327.8
2.5°	3277.4	3289.0	3289.0	3277.4	3246.4	3273.5	3300.6	3273.5	3308.4	3246.4	3246.4
5°	3277.4	3285.1	3281.2	3265.8	3234.8	3258.0	3277.4	3250.2	3277.4	3219.2	3215.5
7.5°	3285.1	3277.4	3269.6	3250.2	3211.6	3227.0	3246.4	3215.5	3242.5	3180.6	3172.9
10°	3269.6	3258.0	3242.5	3215.5	3172.9	3184.5	3196.1	3169.0	3188.4	3126.4	3122.5
12.5°	3269.6	3250.2	3227.0	3196.1	3149.6	3157.4	3169.0	3134.1	3149.6	3091.5	3083.8
15°	3277.4	3242.5	3215.5	3180.6	3130.2	3134.1	3141.9	3103.1	3118.6	3056.6	3052.8
17.5°	3250.2	3211.6	3184.5	3141.9	3087.6	3091.5	3091.5	3052.8	3064.4	3002.4	2998.5
20°	3192.2	3145.8	3114.8	3076.0	3017.9	3017.9	3017.9	2979.1	2986.9	2932.6	2924.9
22.5°	3110.9	3060.5	3029.5	2990.8	2936.5	2932.6	2928.8	2897.8	2897.8	2847.4	2835.8
25°	3002.4	2955.9	2924.9	2890.0	2835.8	2828.0	2828.0	2800.9	2797.0	2750.5	2742.8
27.5°	2878.4	2824.1	2797.0	2766.0	2715.8	2708.0	2704.1	2688.6	2680.9	2630.5	2626.6
30°	2711.9	2665.4	2642.1	2615.0	2568.5	2560.8	2556.9	2541.4	2537.5	2487.1	2487.1
32.5°	2533.6	2475.5	2460.0	2432.9	2398.0	2394.1	2398.0	2378.6	2363.1	2328.2	2320.5
35°	2320.5	2262.4	2250.8	2239.1	2212.1	2204.4	2200.5	2196.6	2177.2	2154.0	2142.4
37.5°	2072.6	2022.2	2022.2	2018.4	1999.0	1999.0	1999.0	1991.2	1971.9	1964.1	1940.9
40°	1805.2	1766.5	1770.4	1774.2	1766.5	1770.4	1774.2	1766.5	1751.0	1743.2	1724.0
42.5°	1518.6	1499.2	1514.8	1526.4	1526.4	1538.0	1545.8	1545.8	1526.4	1522.5	1507.0
45°	1232.0	1228.1	1259.0	1282.2	1290.0	1309.4	1321.0	1313.2	1313.2	1313.2	1297.8
47.5°	964.6	980.1	1007.2	1053.8	1069.2	1092.5	1100.2	1111.9	1108.0	1111.9	1100.2
50°	732.2	767.0	801.9	848.4	871.6	898.8	910.4	925.9	925.9	929.8	922.0
52.5°	554.0	581.1	639.2	670.2	697.4	724.5	740.0	755.4	759.2	759.2	751.5
55°	410.6	449.4	488.1	530.8	554.0	581.1	592.8	608.2	608.2	616.0	608.2
57.5°	298.2	337.0	379.6	410.6	437.8	457.1	468.8	480.4	488.1	488.1	484.2
60°	220.9	251.8	286.6	317.6	340.9	360.2	368.0	379.6	383.5	383.5	375.8
62.5°	166.6	197.6	228.6	255.6	271.1	286.6	294.4	302.1	302.1	302.1	298.2
65°	135.6	158.9	182.1	205.4	220.9	232.5	236.4	244.1	240.2	244.1	240.2
67.5°	108.5	124.0	143.4	158.9	170.5	178.2	182.1	189.9	186.0	189.9	186.0
70°	81.4	96.9	108.5	120.1	127.9	135.6	139.5	143.4	139.5	143.4	139.5
72.5°	62.0	69.8	81.4	93.0	96.9	100.8	104.6	104.6	104.6	108.5	104.6
75°	42.6	50.4	58.1	62.0	69.8	73.6	73.6	77.5	77.5	77.5	77.5
77.5°	31.0	34.9	38.8	42.6	46.5	50.4	50.4	54.2	54.2	54.2	54.2
80°	19.4	23.2	23.2	27.1	31.0	31.0	34.9	34.9	34.9	34.9	34.9
82.5°	11.6	15.5	15.5	19.4	19.4	19.4	23.2	23.2	23.2	23.2	23.2
85°	7.8	7.8	7.8	11.6	11.6	11.6	11.6	11.6	11.6	11.6	11.6
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: P212845

CATALOG NUMBER: LE_6B50D010R EC6B30509050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3327.8	3327.8	3327.8	3327.8
2.5°	3277.4	3258.0	3289.0	3242.5
5°	3242.5	3223.1	3261.9	3203.9
7.5°	3200.0	3180.6	3215.5	3157.4
10°	3145.8	3126.4	3157.4	3095.4
12.5°	3099.2	3079.9	3114.8	3056.6
15°	3064.4	3045.0	3076.0	3021.8
17.5°	3010.1	2986.9	3021.8	2963.6
20°	2932.6	2917.1	2944.2	2886.1
22.5°	2843.5	2828.0	2859.0	2800.9
25°	2750.5	2731.1	2762.1	2704.1
27.5°	2630.5	2615.0	2646.0	2587.9
30°	2487.1	2471.6	2502.6	2448.4
32.5°	2324.4	2308.9	2332.1	2285.6
35°	2138.5	2126.9	2150.1	2099.8
37.5°	1937.0	1925.4	1948.6	1898.2
40°	1720.1	1708.5	1727.9	1704.6
42.5°	1507.0	1495.4	1514.8	1495.4
45°	1297.8	1290.0	1309.4	1290.0
47.5°	1104.1	1096.4	1115.8	1096.4
50°	918.1	922.0	929.8	922.0
52.5°	751.5	751.5	763.1	751.5
55°	608.2	612.1	616.0	608.2
57.5°	484.2	484.2	488.1	484.2
60°	375.8	379.6	379.6	375.8
62.5°	298.2	298.2	298.2	298.2
65°	236.4	236.4	240.2	236.4
67.5°	186.0	182.1	186.0	182.1
70°	139.5	139.5	139.5	139.5
72.5°	108.5	108.5	104.6	104.6
75°	77.5	81.4	77.5	77.5
77.5°	54.2	54.2	54.2	54.2
80°	34.9	34.9	34.9	34.9
82.5°	23.2	23.2	23.2	23.2
85°	15.5	11.6	11.6	11.6
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)