

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: P212835

Luminaire Tested: **LE_6B50D010R EC6B30508027 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212835
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 EC6B30508027 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: 6106.9 lumens
Efficiency: N/A
Efficacy: 103.9 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

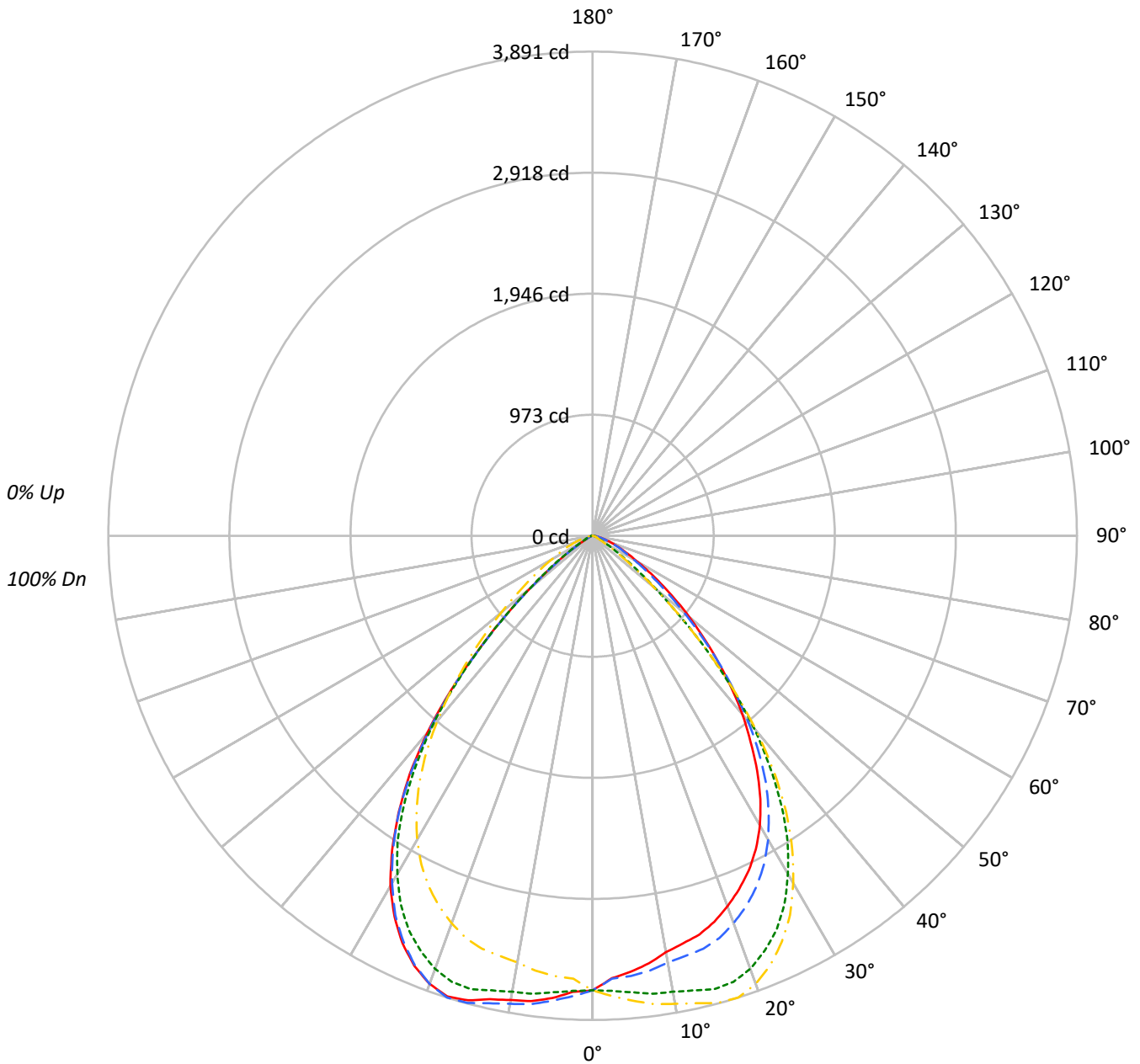
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





TEST NUMBER: P212835

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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	99	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	71	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°	200236	200236	200236	200236
5°	193517	202641	205216	202641
10°	189125	207122	210907	207122
15°	188242	214065	219366	214065
20°	184810	216074	223506	216074
25°	179526	211428	218626	211428
30°	170115	198644	205652	198644
35°	154244	177005	181837	177005
40°	133894	144235	147891	144235
45°	109779	99553	100212	99553
50°	86308	55853	54762	55853
55°	63807	27631	24792	27631
60°	45227	12115	8859	12115
65°	33648	7718	5513	7718
70°	24539	6123	4087	6123
75°	18004	4490	2711	4490
80°	12060	4041	1326	4041
85°	8051	2642	2642	2642



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.7	5.7
10°-20°	1035.6	17.0
20°-30°	1545.5	25.3
30°-40°	1587.9	26.0
40°-50°	1028.3	16.8
50°-60°	382.4	6.3
60°-70°	125.4	2.1
70°-80°	44.2	0.7
80°-90°	7.9	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2930.8	48.0
0°-40°	4518.7	74.0
0°-60°	5929.3	97.1
0°-90°	6106.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6106.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3653	3653	3653	3653	3653	
5°	3517	3682	3729	3682	3517	332
15°	3317	3772	3865	3772	3317	933
25°	2968	3495	3614	3495	2968	1360
35°	2305	2645	2717	2645	2305	1431
45°	1416	1284	1293	1284	1416	1095
55°	668	289	259	289	668	609
65°	259	60	42	60	259	264
75°	85	21	13	21	85	93
85°	13	4	4	4	13	17
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6
2.5°	3559.1	3610.1	3576.1	3597.4	3563.4	3563.4	3631.4	3593.1	3622.9	3593.1	3563.4
5°	3516.6	3580.4	3537.9	3559.1	3529.4	3533.6	3597.4	3567.6	3597.4	3576.1	3550.6
7.5°	3465.6	3529.4	3491.1	3512.4	3482.6	3491.1	3559.1	3529.4	3563.4	3542.1	3525.1
10°	3397.5	3465.6	3431.5	3452.8	3427.2	3431.5	3499.6	3478.4	3508.1	3495.4	3482.6
12.5°	3355.0	3418.8	3380.5	3401.8	3384.8	3393.2	3457.0	3440.0	3478.4	3465.6	3457.0
15°	3316.8	3376.2	3342.2	3363.5	3350.8	3355.0	3423.0	3406.0	3448.5	3440.0	3435.8
17.5°	3253.0	3316.8	3278.5	3304.0	3291.2	3295.5	3363.5	3350.8	3393.2	3393.2	3389.0
20°	3167.9	3231.8	3201.9	3218.9	3210.4	3218.9	3278.5	3270.0	3312.5	3312.5	3312.5
22.5°	3074.4	3138.1	3104.1	3121.1	3112.6	3125.4	3180.6	3180.6	3214.6	3218.9	3223.2
25°	2968.0	3031.9	2997.9	3019.1	3010.6	3019.1	3070.1	3074.4	3104.1	3104.1	3112.6
27.5°	2840.5	2904.2	2870.2	2887.2	2883.0	2887.2	2942.5	2951.0	2968.0	2972.2	2980.8
30°	2687.4	2747.0	2712.9	2729.9	2729.9	2729.9	2785.2	2789.5	2806.5	2810.8	2819.2
32.5°	2508.9	2559.9	2534.4	2551.4	2547.1	2555.6	2593.9	2610.9	2632.1	2627.9	2632.1
35°	2304.8	2360.0	2334.5	2347.2	2351.5	2364.2	2389.8	2411.0	2415.2	2419.5	2428.0
37.5°	2083.6	2138.9	2113.4	2126.1	2130.4	2155.9	2164.4	2185.6	2194.1	2194.1	2194.1
40°	1871.0	1896.5	1875.2	1888.0	1892.2	1913.5	1922.0	1939.0	1947.5	1943.2	1939.0
42.5°	1641.4	1662.6	1641.4	1654.1	1654.1	1671.1	1675.4	1696.6	1696.6	1688.1	1675.4
45°	1416.0	1437.2	1416.0	1424.5	1424.5	1441.5	1441.5	1441.5	1450.0	1437.2	1416.0
47.5°	1203.4	1224.6	1203.4	1211.9	1207.6	1220.4	1216.1	1220.4	1207.6	1199.1	1173.6
50°	1012.0	1020.5	1012.0	1007.8	1012.0	1020.5	1016.2	1016.2	999.2	986.5	956.8
52.5°	824.9	837.8	824.9	824.9	824.9	833.4	833.4	829.1	812.1	795.1	765.4
55°	667.6	676.1	671.9	667.6	667.6	676.1	667.6	667.6	650.6	637.9	608.1
57.5°	531.5	535.8	531.5	531.5	531.5	535.8	535.8	527.2	514.5	501.8	480.5
60°	412.5	416.8	416.8	412.5	412.5	421.0	421.0	416.8	404.0	395.5	374.2
62.5°	327.4	327.4	327.4	327.4	327.4	331.6	331.6	331.6	323.1	314.6	297.6
65°	259.4	263.6	259.4	259.4	263.6	267.9	263.6	267.9	259.4	255.1	242.4
67.5°	199.9	204.1	199.9	204.1	204.1	208.4	204.1	208.4	199.9	195.6	187.1
70°	153.1	153.1	153.1	153.1	153.1	157.4	153.1	157.4	153.1	148.9	140.4
72.5°	114.8	114.8	119.0	119.0	114.8	119.0	114.8	114.8	114.8	110.5	106.2
75°	85.0	85.0	89.2	85.0	85.0	85.0	85.0	85.0	80.8	80.8	76.5
77.5°	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.5	55.2	55.2	51.0
80°	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	34.0	34.0
82.5°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	21.2	21.2
85°	12.8	12.8	12.8	17.0	12.8	12.8	12.8	12.8	12.8	12.8	12.8
87.5°	4.2	4.2	4.2	8.5	4.2	4.2	8.5	8.5	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6
2.5°	3597.4	3610.1	3610.1	3597.4	3627.1	3601.6	3652.6	3605.9	3618.6	3661.1	3656.9
5°	3584.6	3601.6	3605.9	3597.4	3635.6	3614.4	3665.4	3618.6	3639.9	3682.4	3682.4
7.5°	3567.6	3588.9	3597.4	3605.9	3639.9	3618.6	3678.1	3631.4	3661.1	3712.2	3708.0
10°	3529.4	3559.1	3576.1	3588.9	3622.9	3610.1	3673.9	3635.6	3661.1	3720.8	3716.5
12.5°	3508.1	3542.1	3567.6	3588.9	3627.1	3618.6	3682.4	3648.4	3682.4	3742.0	3742.0
15°	3491.1	3529.4	3559.1	3597.4	3635.6	3627.1	3695.1	3665.4	3699.5	3771.8	3767.5
17.5°	3448.5	3495.4	3525.1	3567.6	3605.9	3601.6	3673.9	3652.6	3690.9	3759.0	3763.2
20°	3376.2	3418.8	3452.8	3503.9	3546.4	3537.9	3614.4	3593.1	3631.4	3703.8	3708.0
22.5°	3282.8	3325.2	3359.2	3414.5	3452.8	3448.5	3525.1	3503.9	3542.1	3610.1	3614.4
25°	3172.1	3210.4	3244.5	3295.5	3338.0	3338.0	3406.0	3384.8	3427.2	3495.4	3495.4
27.5°	3036.1	3070.1	3099.9	3159.4	3193.4	3193.4	3257.2	3236.0	3278.5	3338.0	3333.8
30°	2870.2	2900.0	2925.5	2976.5	3006.4	3010.6	3065.9	3044.6	3087.1	3138.1	3138.1
32.5°	2670.4	2700.1	2717.1	2781.0	2802.2	2798.0	2840.5	2819.2	2861.8	2917.0	2904.2
35°	2457.8	2470.5	2483.2	2547.1	2555.6	2538.6	2581.1	2559.9	2589.6	2644.9	2636.4
37.5°	2215.4	2219.6	2219.6	2275.0	2279.2	2266.4	2292.0	2266.4	2287.8	2338.8	2334.5
40°	1947.5	1943.2	1939.0	1981.5	1977.2	1951.8	1968.8	1947.5	1977.2	2015.5	1994.2
42.5°	1675.4	1662.6	1645.6	1666.9	1649.9	1628.6	1637.1	1603.1	1624.4	1654.1	1628.6
45°	1407.5	1382.0	1348.0	1352.2	1331.0	1305.4	1292.6	1258.6	1254.4	1284.1	1262.9
47.5°	1156.6	1105.6	1075.9	1058.8	1024.8	1003.5	978.0	939.8	922.8	939.8	918.5
50°	931.2	880.2	842.0	803.6	769.6	744.1	701.6	676.1	650.6	654.9	637.9
52.5°	735.6	701.6	637.9	608.1	574.0	544.2	506.0	476.2	446.5	446.5	429.5
55°	582.5	535.8	493.2	450.8	416.8	391.2	352.9	323.1	293.4	289.1	272.1
57.5°	450.8	416.8	370.0	327.4	306.1	280.6	242.4	208.4	191.4	178.6	165.9
60°	348.6	314.6	276.4	242.4	216.9	199.9	161.6	136.1	119.0	110.5	97.8
62.5°	280.6	250.9	216.9	182.9	165.9	148.9	119.0	97.8	80.8	72.2	63.8
65°	225.4	199.9	174.4	148.9	136.1	119.0	97.8	80.8	68.0	59.5	51.0
67.5°	174.4	157.4	136.1	119.0	106.2	93.5	76.5	63.8	55.2	46.8	42.5
70°	131.9	119.0	106.2	89.2	80.8	72.2	59.5	46.8	42.5	38.2	34.0
72.5°	102.0	89.2	76.5	68.0	59.5	55.2	46.8	38.2	34.0	29.8	25.5
75°	68.0	63.8	55.2	46.8	42.5	38.2	34.0	29.8	25.5	21.2	21.2
77.5°	46.8	42.5	38.2	34.0	29.8	29.8	25.5	21.2	17.0	17.0	12.8
80°	29.8	25.5	25.5	21.2	21.2	21.2	17.0	12.8	12.8	12.8	8.5
82.5°	21.2	17.0	17.0	12.8	12.8	12.8	12.8	8.5	8.5	8.5	4.2
85°	12.8	8.5	8.5	8.5	8.5	8.5	8.5	4.2	4.2	4.2	4.2
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6
2.5°	3622.9	3661.1	3661.1	3695.1	3699.5	3690.9	3652.6	3652.6	3703.8	3733.5	3682.4
5°	3656.9	3695.1	3695.1	3729.2	3746.2	3733.5	3695.1	3699.5	3750.5	3784.5	3733.5
7.5°	3686.6	3725.0	3733.5	3771.8	3784.5	3771.8	3733.5	3742.0	3797.2	3827.0	3776.0
10°	3699.5	3737.8	3742.0	3784.5	3801.5	3784.5	3754.8	3759.0	3818.5	3839.8	3793.0
12.5°	3729.2	3767.5	3767.5	3814.2	3831.2	3818.5	3780.2	3788.8	3848.2	3869.5	3822.8
15°	3759.0	3797.2	3797.2	3848.2	3869.5	3852.5	3822.8	3827.0	3886.5	3907.8	3869.5
17.5°	3759.0	3793.0	3793.0	3848.2	3869.5	3856.8	3822.8	3827.0	3890.8	3907.8	3869.5
20°	3703.8	3742.0	3733.5	3788.8	3810.0	3797.2	3767.5	3767.5	3831.2	3848.2	3810.0
22.5°	3614.4	3648.4	3639.9	3690.9	3716.5	3699.5	3673.9	3669.6	3733.5	3750.5	3712.2
25°	3491.1	3525.1	3516.6	3567.6	3593.1	3571.9	3542.1	3546.4	3597.4	3622.9	3588.9
27.5°	3346.5	3367.8	3355.0	3406.0	3431.5	3410.2	3380.5	3384.8	3435.8	3452.8	3427.2
30°	3150.9	3167.9	3155.1	3197.6	3214.6	3201.9	3176.4	3176.4	3223.2	3244.5	3218.9
32.5°	2917.0	2929.8	2917.0	2951.0	2985.1	2959.5	2934.0	2934.0	2985.1	3002.1	2972.2
35°	2644.9	2657.6	2649.1	2683.1	2708.6	2674.6	2653.4	2644.9	2712.9	2704.4	2687.4
37.5°	2343.0	2351.5	2326.0	2385.5	2398.2	2360.0	2343.0	2334.5	2394.0	2389.8	2372.8
40°	2002.8	2011.2	1994.2	2036.9	2041.1	2011.2	1998.5	1985.8	2045.4	2041.1	2028.4
42.5°	1641.4	1645.6	1624.4	1658.4	1666.9	1637.1	1632.9	1615.9	1671.1	1662.6	1658.4
45°	1267.1	1267.1	1250.1	1275.6	1284.1	1258.6	1250.1	1245.9	1284.1	1284.1	1275.6
47.5°	918.5	905.8	884.5	922.8	927.0	910.0	905.8	893.0	931.2	931.2	922.8
50°	629.4	625.1	620.9	629.4	633.6	612.4	625.1	612.4	633.6	633.6	633.6
52.5°	421.0	416.8	408.2	416.8	416.8	404.0	404.0	399.8	416.8	416.8	408.2
55°	263.6	259.4	255.1	259.4	259.4	246.6	255.1	246.6	255.1	255.1	250.9
57.5°	161.6	153.1	153.1	148.9	148.9	140.4	144.6	144.6	144.6	144.6	144.6
60°	93.5	89.2	85.0	85.0	85.0	80.8	80.8	80.8	80.8	80.8	80.8
62.5°	59.5	59.5	55.2	55.2	55.2	55.2	55.2	51.0	55.2	55.2	55.2
65°	51.0	46.8	46.8	46.8	46.8	42.5	42.5	42.5	42.5	42.5	42.5
67.5°	42.5	38.2	38.2	38.2	38.2	34.0	34.0	34.0	34.0	34.0	34.0
70°	34.0	29.8	29.8	29.8	29.8	29.8	25.5	29.8	29.8	25.5	25.5
72.5°	25.5	25.5	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
75°	17.0	17.0	17.0	17.0	17.0	12.8	12.8	12.8	12.8	12.8	12.8
77.5°	12.8	12.8	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
80°	8.5	8.5	8.5	8.5	8.5	4.2	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85°	4.2	4.2	4.2	4.2	4.2	0.0	4.2	0.0	4.2	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212835

CATALOG NUMBER: LE_6B50D010R EC6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6
2.5°	3742.0	3699.5	3678.1	3720.8	3737.8	3716.5	3699.5	3669.6	3699.5	3716.5	3737.8
5°	3793.0	3754.8	3737.8	3767.5	3793.0	3771.8	3759.0	3729.2	3759.0	3771.8	3793.0
7.5°	3839.8	3801.5	3780.2	3810.0	3839.8	3810.0	3797.2	3771.8	3797.2	3810.0	3839.8
10°	3856.8	3814.2	3797.2	3822.8	3852.5	3822.8	3805.8	3788.8	3805.8	3822.8	3852.5
12.5°	3886.5	3844.0	3822.8	3844.0	3873.8	3844.0	3827.0	3814.2	3827.0	3844.0	3873.8
15°	3929.0	3890.8	3865.2	3886.5	3924.8	3890.8	3869.5	3865.2	3869.5	3890.8	3924.8
17.5°	3929.0	3899.2	3873.8	3890.8	3929.0	3903.5	3873.8	3882.2	3873.8	3903.5	3929.0
20°	3873.8	3844.0	3822.8	3822.8	3878.0	3844.0	3818.5	3831.2	3818.5	3844.0	3878.0
22.5°	3776.0	3750.5	3729.2	3725.0	3780.2	3750.5	3716.5	3742.0	3716.5	3750.5	3780.2
25°	3648.4	3622.9	3605.9	3597.4	3652.6	3618.6	3588.9	3614.4	3588.9	3618.6	3652.6
27.5°	3482.6	3461.4	3444.2	3431.5	3482.6	3452.8	3423.0	3448.5	3423.0	3452.8	3482.6
30°	3270.0	3257.2	3240.2	3223.2	3274.2	3244.5	3214.6	3248.8	3214.6	3244.5	3274.2
32.5°	3023.4	3014.9	2993.6	2976.5	3027.6	2993.6	2972.2	2997.9	2972.2	2993.6	3027.6
35°	2738.4	2725.6	2712.9	2683.1	2738.4	2708.6	2708.6	2717.1	2708.6	2708.6	2738.4
37.5°	2419.5	2411.0	2394.0	2368.5	2415.2	2394.0	2385.5	2411.0	2385.5	2394.0	2415.2
40°	2062.4	2058.1	2045.4	2015.5	2066.6	2045.4	2032.6	2066.6	2032.6	2045.4	2066.6
42.5°	1688.1	1679.6	1666.9	1662.6	1688.1	1671.1	1683.9	1683.9	1683.9	1671.1	1688.1
45°	1301.1	1292.6	1284.1	1267.1	1296.9	1288.4	1284.1	1292.6	1284.1	1288.4	1296.9
47.5°	944.0	935.5	927.0	914.2	944.0	931.2	931.2	939.8	931.2	931.2	944.0
50°	633.6	637.9	633.6	625.1	633.6	629.4	633.6	642.1	633.6	629.4	633.6
52.5°	421.0	421.0	412.5	408.2	416.8	412.5	425.2	416.8	425.2	412.5	416.8
55°	255.1	259.4	255.1	250.9	255.1	250.9	263.6	259.4	263.6	250.9	255.1
57.5°	144.6	144.6	148.9	144.6	153.1	148.9	148.9	148.9	148.9	148.9	153.1
60°	80.8	80.8	80.8	80.8	80.8	80.8	85.0	80.8	85.0	80.8	80.8
62.5°	55.2	55.2	55.2	51.0	55.2	51.0	55.2	55.2	55.2	51.0	55.2
65°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
67.5°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
70°	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
72.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
75°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
77.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
80°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212835

CATALOG NUMBER: LE_6B50D010R EC6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6
2.5°	3720.8	3678.1	3699.5	3742.0	3682.4	3733.5	3703.8	3652.6	3652.6	3690.9	3699.5
5°	3767.5	3737.8	3754.8	3793.0	3733.5	3784.5	3750.5	3699.5	3695.1	3733.5	3746.2
7.5°	3810.0	3780.2	3801.5	3839.8	3776.0	3827.0	3797.2	3742.0	3733.5	3771.8	3784.5
10°	3822.8	3797.2	3814.2	3856.8	3793.0	3839.8	3818.5	3759.0	3754.8	3784.5	3801.5
12.5°	3844.0	3822.8	3844.0	3886.5	3822.8	3869.5	3848.2	3788.8	3780.2	3818.5	3831.2
15°	3886.5	3865.2	3890.8	3929.0	3869.5	3907.8	3886.5	3827.0	3822.8	3852.5	3869.5
17.5°	3890.8	3873.8	3899.2	3929.0	3869.5	3907.8	3890.8	3827.0	3822.8	3856.8	3869.5
20°	3822.8	3822.8	3844.0	3873.8	3810.0	3848.2	3831.2	3767.5	3767.5	3797.2	3810.0
22.5°	3725.0	3729.2	3750.5	3776.0	3712.2	3750.5	3733.5	3669.6	3673.9	3699.5	3716.5
25°	3597.4	3605.9	3622.9	3648.4	3588.9	3622.9	3597.4	3546.4	3542.1	3571.9	3593.1
27.5°	3431.5	3444.2	3461.4	3482.6	3427.2	3452.8	3435.8	3384.8	3380.5	3410.2	3431.5
30°	3223.2	3240.2	3257.2	3270.0	3218.9	3244.5	3223.2	3176.4	3176.4	3201.9	3214.6
32.5°	2976.5	2993.6	3014.9	3023.4	2972.2	3002.1	2985.1	2934.0	2934.0	2959.5	2985.1
35°	2683.1	2712.9	2725.6	2738.4	2687.4	2704.4	2712.9	2644.9	2653.4	2674.6	2708.6
37.5°	2368.5	2394.0	2411.0	2419.5	2372.8	2389.8	2394.0	2334.5	2343.0	2360.0	2398.2
40°	2015.5	2045.4	2058.1	2062.4	2028.4	2041.1	2045.4	1985.8	1998.5	2011.2	2041.1
42.5°	1662.6	1666.9	1679.6	1688.1	1658.4	1662.6	1671.1	1615.9	1632.9	1637.1	1666.9
45°	1267.1	1284.1	1292.6	1301.1	1275.6	1284.1	1284.1	1245.9	1250.1	1258.6	1284.1
47.5°	914.2	927.0	935.5	944.0	922.8	931.2	931.2	893.0	905.8	910.0	927.0
50°	625.1	633.6	637.9	633.6	633.6	633.6	633.6	612.4	625.1	612.4	633.6
52.5°	408.2	412.5	421.0	421.0	408.2	416.8	416.8	399.8	404.0	404.0	416.8
55°	250.9	255.1	259.4	255.1	250.9	255.1	255.1	246.6	255.1	246.6	259.4
57.5°	144.6	148.9	144.6	144.6	144.6	144.6	144.6	144.6	144.6	140.4	148.9
60°	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	85.0
62.5°	51.0	55.2	55.2	55.2	55.2	55.2	55.2	51.0	55.2	55.2	55.2
65°	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	46.8
67.5°	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0	38.2
70°	25.5	25.5	25.5	25.5	25.5	25.5	29.8	29.8	25.5	29.8	29.8
72.5°	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2	21.2
75°	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	17.0
77.5°	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
80°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	8.5
82.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.2	0.0	4.2	0.0	4.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212835

CATALOG NUMBER: LE_6B50D010R EC6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6
2.5°	3695.1	3661.1	3661.1	3622.9	3656.9	3661.1	3618.6	3605.9	3652.6	3601.6	3627.1
5°	3729.2	3695.1	3695.1	3656.9	3682.4	3682.4	3639.9	3618.6	3665.4	3614.4	3635.6
7.5°	3771.8	3733.5	3725.0	3686.6	3708.0	3712.2	3661.1	3631.4	3678.1	3618.6	3639.9
10°	3784.5	3742.0	3737.8	3699.5	3716.5	3720.8	3661.1	3635.6	3673.9	3610.1	3622.9
12.5°	3814.2	3767.5	3767.5	3729.2	3742.0	3742.0	3682.4	3648.4	3682.4	3618.6	3627.1
15°	3848.2	3797.2	3797.2	3759.0	3767.5	3771.8	3699.5	3665.4	3695.1	3627.1	3635.6
17.5°	3848.2	3793.0	3793.0	3759.0	3763.2	3759.0	3690.9	3652.6	3673.9	3601.6	3605.9
20°	3788.8	3733.5	3742.0	3703.8	3708.0	3703.8	3631.4	3593.1	3614.4	3537.9	3546.4
22.5°	3690.9	3639.9	3648.4	3614.4	3614.4	3610.1	3542.1	3503.9	3525.1	3448.5	3452.8
25°	3567.6	3516.6	3525.1	3491.1	3495.4	3495.4	3427.2	3384.8	3406.0	3338.0	3338.0
27.5°	3406.0	3355.0	3367.8	3346.5	3333.8	3338.0	3278.5	3236.0	3257.2	3193.4	3193.4
30°	3197.6	3155.1	3167.9	3150.9	3138.1	3138.1	3087.1	3044.6	3065.9	3010.6	3006.4
32.5°	2951.0	2917.0	2929.8	2917.0	2904.2	2917.0	2861.8	2819.2	2840.5	2798.0	2802.2
35°	2683.1	2649.1	2657.6	2644.9	2636.4	2644.9	2589.6	2559.9	2581.1	2538.6	2555.6
37.5°	2385.5	2326.0	2351.5	2343.0	2334.5	2338.8	2287.8	2266.4	2292.0	2266.4	2279.2
40°	2036.9	1994.2	2011.2	2002.8	1994.2	2015.5	1977.2	1947.5	1968.8	1951.8	1977.2
42.5°	1658.4	1624.4	1645.6	1641.4	1628.6	1654.1	1624.4	1603.1	1637.1	1628.6	1649.9
45°	1275.6	1250.1	1267.1	1267.1	1262.9	1284.1	1254.4	1258.6	1292.6	1305.4	1331.0
47.5°	922.8	884.5	905.8	918.5	918.5	939.8	922.8	939.8	978.0	1003.5	1024.8
50°	629.4	620.9	625.1	629.4	637.9	654.9	650.6	676.1	701.6	744.1	769.6
52.5°	416.8	408.2	416.8	421.0	429.5	446.5	446.5	476.2	506.0	544.2	574.0
55°	259.4	255.1	259.4	263.6	272.1	289.1	293.4	323.1	352.9	391.2	416.8
57.5°	148.9	153.1	153.1	161.6	165.9	178.6	191.4	208.4	242.4	280.6	306.1
60°	85.0	85.0	89.2	93.5	97.8	110.5	119.0	136.1	161.6	199.9	216.9
62.5°	55.2	55.2	59.5	59.5	63.8	72.2	80.8	97.8	119.0	148.9	165.9
65°	46.8	46.8	46.8	51.0	51.0	59.5	68.0	80.8	97.8	119.0	136.1
67.5°	38.2	38.2	38.2	42.5	42.5	46.8	55.2	63.8	76.5	93.5	106.2
70°	29.8	29.8	29.8	34.0	34.0	38.2	42.5	46.8	59.5	72.2	80.8
72.5°	21.2	21.2	25.5	25.5	25.5	29.8	34.0	38.2	46.8	55.2	59.5
75°	17.0	17.0	17.0	17.0	21.2	21.2	25.5	29.8	34.0	38.2	42.5
77.5°	8.5	8.5	12.8	12.8	12.8	17.0	17.0	21.2	25.5	29.8	29.8
80°	8.5	8.5	8.5	8.5	8.5	12.8	12.8	12.8	17.0	21.2	21.2
82.5°	4.2	4.2	4.2	4.2	4.2	8.5	8.5	8.5	12.8	12.8	12.8
85°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	8.5	8.5	8.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.2	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212835

CATALOG NUMBER: LE_6B50D010R EC6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6	3652.6
2.5°	3597.4	3610.1	3610.1	3597.4	3563.4	3593.1	3622.9	3593.1	3631.4	3563.4	3563.4
5°	3597.4	3605.9	3601.6	3584.6	3550.6	3576.1	3597.4	3567.6	3597.4	3533.6	3529.4
7.5°	3605.9	3597.4	3588.9	3567.6	3525.1	3542.1	3563.4	3529.4	3559.1	3491.1	3482.6
10°	3588.9	3576.1	3559.1	3529.4	3482.6	3495.4	3508.1	3478.4	3499.6	3431.5	3427.2
12.5°	3588.9	3567.6	3542.1	3508.1	3457.0	3465.6	3478.4	3440.0	3457.0	3393.2	3384.8
15°	3597.4	3559.1	3529.4	3491.1	3435.8	3440.0	3448.5	3406.0	3423.0	3355.0	3350.8
17.5°	3567.6	3525.1	3495.4	3448.5	3389.0	3393.2	3393.2	3350.8	3363.5	3295.5	3291.2
20°	3503.9	3452.8	3418.8	3376.2	3312.5	3312.5	3312.5	3270.0	3278.5	3218.9	3210.4
22.5°	3414.5	3359.2	3325.2	3282.8	3223.2	3218.9	3214.6	3180.6	3180.6	3125.4	3112.6
25°	3295.5	3244.5	3210.4	3172.1	3112.6	3104.1	3104.1	3074.4	3070.1	3019.1	3010.6
27.5°	3159.4	3099.9	3070.1	3036.1	2980.8	2972.2	2968.0	2951.0	2942.5	2887.2	2883.0
30°	2976.5	2925.5	2900.0	2870.2	2819.2	2810.8	2806.5	2789.5	2785.2	2729.9	2729.9
32.5°	2781.0	2717.1	2700.1	2670.4	2632.1	2627.9	2632.1	2610.9	2593.9	2555.6	2547.1
35°	2547.1	2483.2	2470.5	2457.8	2428.0	2419.5	2415.2	2411.0	2389.8	2364.2	2351.5
37.5°	2275.0	2219.6	2219.6	2215.4	2194.1	2194.1	2194.1	2185.6	2164.4	2155.9	2130.4
40°	1981.5	1939.0	1943.2	1947.5	1939.0	1943.2	1947.5	1939.0	1922.0	1913.5	1892.2
42.5°	1666.9	1645.6	1662.6	1675.4	1675.4	1688.1	1696.6	1696.6	1675.4	1671.1	1654.1
45°	1352.2	1348.0	1382.0	1407.5	1416.0	1437.2	1450.0	1441.5	1441.5	1441.5	1424.5
47.5°	1058.8	1075.9	1105.6	1156.6	1173.6	1199.1	1207.6	1220.4	1216.1	1220.4	1207.6
50°	803.6	842.0	880.2	931.2	956.8	986.5	999.2	1016.2	1016.2	1020.5	1012.0
52.5°	608.1	637.9	701.6	735.6	765.4	795.1	812.1	829.1	833.4	833.4	824.9
55°	450.8	493.2	535.8	582.5	608.1	637.9	650.6	667.6	667.6	676.1	667.6
57.5°	327.4	370.0	416.8	450.8	480.5	501.8	514.5	527.2	535.8	535.8	531.5
60°	242.4	276.4	314.6	348.6	374.2	395.5	404.0	416.8	421.0	421.0	412.5
62.5°	182.9	216.9	250.9	280.6	297.6	314.6	323.1	331.6	331.6	331.6	327.4
65°	148.9	174.4	199.9	225.4	242.4	255.1	259.4	267.9	263.6	267.9	263.6
67.5°	119.0	136.1	157.4	174.4	187.1	195.6	199.9	208.4	204.1	208.4	204.1
70°	89.2	106.2	119.0	131.9	140.4	148.9	153.1	157.4	153.1	157.4	153.1
72.5°	68.0	76.5	89.2	102.0	106.2	110.5	114.8	114.8	114.8	119.0	114.8
75°	46.8	55.2	63.8	68.0	76.5	80.8	80.8	85.0	85.0	85.0	85.0
77.5°	34.0	38.2	42.5	46.8	51.0	55.2	55.2	59.5	59.5	59.5	59.5
80°	21.2	25.5	25.5	29.8	34.0	34.0	38.2	38.2	38.2	38.2	38.2
82.5°	12.8	17.0	17.0	21.2	21.2	21.2	25.5	25.5	25.5	25.5	25.5
85°	8.5	8.5	8.5	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8
87.5°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	8.5	8.5	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P212835

CATALOG NUMBER: LE_6B50D010R EC6B30508027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3652.6	3652.6	3652.6	3652.6
2.5°	3597.4	3576.1	3610.1	3559.1
5°	3559.1	3537.9	3580.4	3516.6
7.5°	3512.4	3491.1	3529.4	3465.6
10°	3452.8	3431.5	3465.6	3397.5
12.5°	3401.8	3380.5	3418.8	3355.0
15°	3363.5	3342.2	3376.2	3316.8
17.5°	3304.0	3278.5	3316.8	3253.0
20°	3218.9	3201.9	3231.8	3167.9
22.5°	3121.1	3104.1	3138.1	3074.4
25°	3019.1	2997.9	3031.9	2968.0
27.5°	2887.2	2870.2	2904.2	2840.5
30°	2729.9	2712.9	2747.0	2687.4
32.5°	2551.4	2534.4	2559.9	2508.9
35°	2347.2	2334.5	2360.0	2304.8
37.5°	2126.1	2113.4	2138.9	2083.6
40°	1888.0	1875.2	1896.5	1871.0
42.5°	1654.1	1641.4	1662.6	1641.4
45°	1424.5	1416.0	1437.2	1416.0
47.5°	1211.9	1203.4	1224.6	1203.4
50°	1007.8	1012.0	1020.5	1012.0
52.5°	824.9	824.9	837.8	824.9
55°	667.6	671.9	676.1	667.6
57.5°	531.5	531.5	535.8	531.5
60°	412.5	416.8	416.8	412.5
62.5°	327.4	327.4	327.4	327.4
65°	259.4	259.4	263.6	259.4
67.5°	204.1	199.9	204.1	199.9
70°	153.1	153.1	153.1	153.1
72.5°	119.0	119.0	114.8	114.8
75°	85.0	89.2	85.0	85.0
77.5°	59.5	59.5	59.5	59.5
80°	38.2	38.2	38.2	38.2
82.5°	25.5	25.5	25.5	25.5
85°	17.0	12.8	12.8	12.8
87.5°	8.5	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)