

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: P212838

Luminaire Tested: **LE_6B50D010R EC6B30508040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212838
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 EC6B30508040 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6613.0 lumens
Efficiency: N/A
Efficacy: 112.5 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

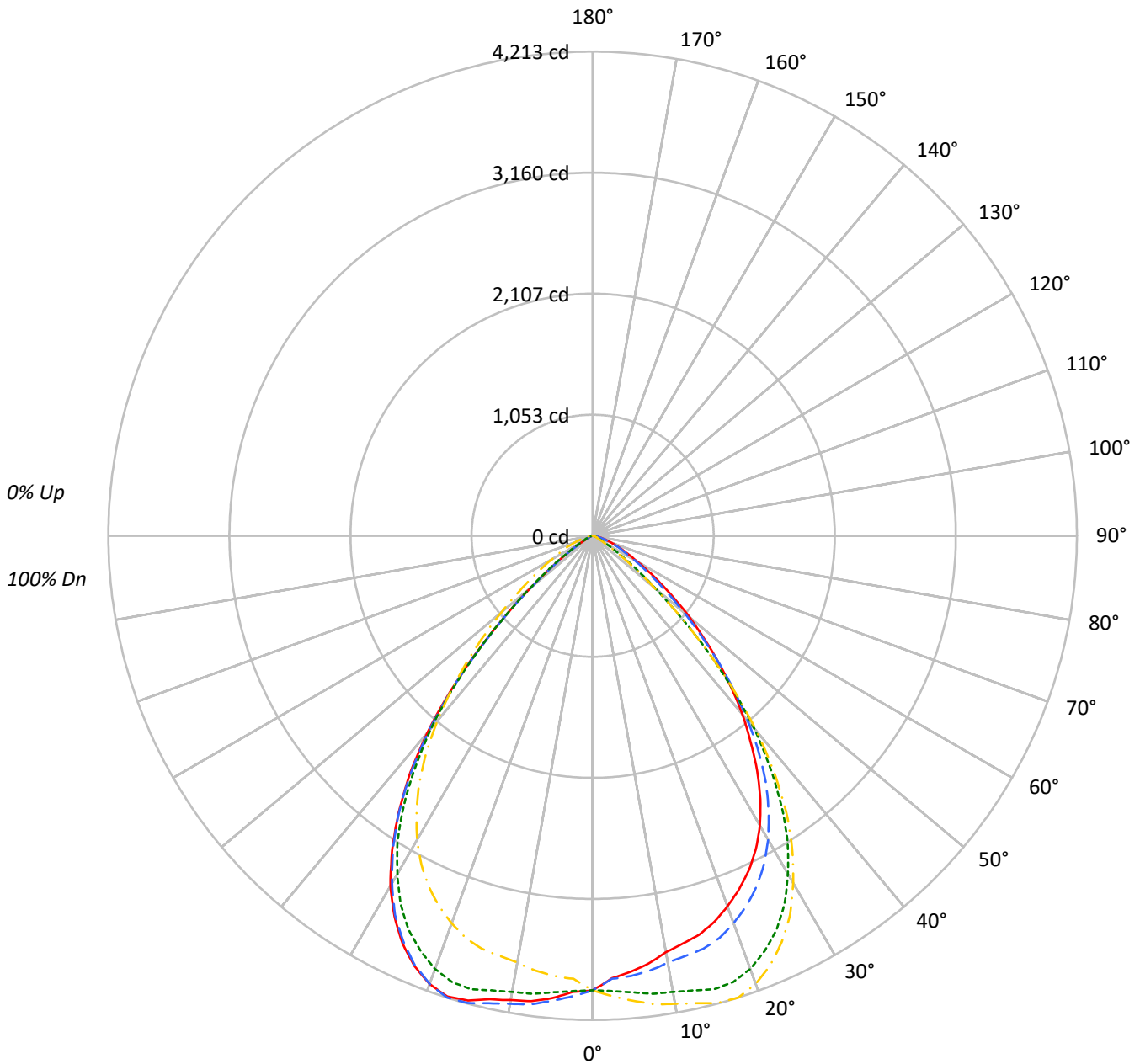
Input Watts (W): 58.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	216825	216825	216825	216825
5°	209553	219430	222215	219430
10°	204795	224278	228375	224278
15°	203832	231795	237544	231795
20°	200124	233966	242023	233966
25°	194406	228939	236741	228939
30°	184212	215103	222686	215103
35°	167013	191668	196901	191668
40°	144986	156185	160143	156185
45°	118865	107810	108523	107810
50°	93464	60476	59290	60476
55°	69092	29925	26847	29925
60°	48965	13135	9594	13135
65°	36437	8367	5967	8367
70°	26575	6652	4424	6652
75°	19508	4872	2944	4872
80°	13101	4388	1452	4388
85°	8743	2893	2893	2893



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.6	5.7
10°-20°	1121.4	17.0
20°-30°	1673.6	25.3
30°-40°	1719.4	26.0
40°-50°	1113.5	16.8
50°-60°	414.0	6.3
60°-70°	135.9	2.1
70°-80°	47.9	0.7
80°-90°	8.6	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°	3173.6	48.0
0°-40°	4893.1	74.0
0°-60°	6420.6	97.1
0°-90°	6613.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6613.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3955	3955	3955	3955	3955	
5°	3808	3988	4038	3988	3808	360
15°	3592	4084	4186	4084	3592	1010
25°	3214	3785	3914	3785	3214	1473
35°	2496	2864	2942	2864	2496	1550
45°	1533	1391	1400	1391	1533	1186
55°	723	313	281	313	723	659
65°	281	64	46	64	281	286
75°	92	23	14	23	92	101
85°	14	5	5	5	14	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°	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2
2.5°	3854.0	3909.2	3872.4	3895.4	3858.6	3858.6	3932.2	3890.9	3923.0	3890.9	3858.6
5°	3808.0	3877.0	3831.0	3854.0	3821.8	3826.4	3895.4	3863.2	3895.4	3872.4	3844.8
7.5°	3752.8	3821.8	3780.4	3803.4	3771.1	3780.4	3854.0	3821.8	3858.6	3835.6	3817.1
10°	3679.0	3752.8	3715.9	3738.9	3711.2	3715.9	3789.5	3766.5	3798.8	3784.9	3771.1
12.5°	3633.0	3702.0	3660.6	3683.6	3665.2	3674.4	3743.5	3725.1	3766.5	3752.8	3743.5
15°	3591.5	3656.0	3619.1	3642.1	3628.4	3633.0	3706.6	3688.2	3734.2	3725.1	3720.5
17.5°	3522.5	3591.5	3550.1	3577.8	3563.9	3568.5	3642.1	3628.4	3674.4	3674.4	3669.8
20°	3430.4	3499.5	3467.2	3485.6	3476.4	3485.6	3550.1	3540.9	3586.9	3586.9	3586.9
22.5°	3329.1	3398.1	3361.2	3379.8	3370.5	3384.4	3444.2	3444.2	3481.0	3485.6	3490.2
25°	3214.0	3283.0	3246.2	3269.2	3260.0	3269.2	3324.5	3329.1	3361.2	3361.2	3370.5
27.5°	3075.9	3144.9	3108.0	3126.5	3121.9	3126.5	3186.4	3195.5	3214.0	3218.6	3227.8
30°	2910.1	2974.5	2937.8	2956.1	2956.1	2956.1	3016.0	3020.6	3039.0	3043.6	3052.8
32.5°	2716.6	2771.9	2744.2	2762.8	2758.1	2767.4	2808.8	2827.1	2850.2	2845.6	2850.2
35°	2495.6	2555.5	2527.9	2541.8	2546.2	2560.1	2587.8	2610.8	2615.4	2620.0	2629.1
37.5°	2256.2	2316.1	2288.5	2302.2	2306.9	2334.5	2343.8	2366.8	2375.9	2375.9	2375.9
40°	2026.0	2053.6	2030.6	2044.4	2049.0	2072.0	2081.2	2099.6	2108.9	2104.2	2099.6
42.5°	1777.4	1800.4	1777.4	1791.1	1791.1	1809.6	1814.1	1837.2	1837.2	1828.0	1814.1
45°	1533.2	1556.4	1533.2	1542.5	1542.5	1560.9	1560.9	1560.9	1570.1	1556.4	1533.2
47.5°	1303.1	1326.1	1303.1	1312.2	1307.6	1321.5	1316.9	1321.5	1307.6	1298.5	1270.9
50°	1095.9	1105.1	1095.9	1091.2	1095.9	1105.1	1100.5	1100.5	1082.1	1068.2	1036.0
52.5°	893.2	907.1	893.2	893.2	893.2	902.5	902.5	897.9	879.5	861.0	828.9
55°	722.9	732.1	727.5	722.9	722.9	732.1	722.9	722.9	704.5	690.6	658.5
57.5°	575.6	580.1	575.6	575.6	575.6	580.1	580.1	571.0	557.1	543.4	520.2
60°	446.6	451.2	451.2	446.6	446.6	455.9	455.9	451.2	437.4	428.2	405.2
62.5°	354.5	354.5	354.5	354.5	354.5	359.1	359.1	359.1	350.0	340.8	322.4
65°	280.9	285.5	280.9	280.9	285.5	290.1	285.5	290.1	280.9	276.2	262.5
67.5°	216.4	221.0	216.4	221.0	221.0	225.6	221.0	225.6	216.4	211.8	202.6
70°	165.8	165.8	165.8	165.8	165.8	170.4	165.8	170.4	165.8	161.1	152.0
72.5°	124.4	124.4	128.9	128.9	124.4	128.9	124.4	124.4	124.4	119.8	115.1
75°	92.1	92.1	96.8	92.1	92.1	92.1	92.1	92.1	87.5	87.5	82.9
77.5°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	59.9	59.9	55.2
80°	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	36.9	36.9
82.5°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	23.0	23.0
85°	13.9	13.9	13.9	18.4	13.9	13.9	13.9	13.9	13.9	13.9	13.9
87.5°	4.6	4.6	4.6	9.2	4.6	4.6	9.2	9.2	4.6	4.6	4.6
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°	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2
2.5°	3895.4	3909.2	3909.2	3895.4	3927.6	3900.0	3955.2	3904.6	3918.5	3964.5	3959.9
5°	3881.6	3900.0	3904.6	3895.4	3936.9	3913.9	3969.1	3918.5	3941.5	3987.5	3987.5
7.5°	3863.2	3886.2	3895.4	3904.6	3941.5	3918.5	3982.9	3932.2	3964.5	4019.8	4015.1
10°	3821.8	3854.0	3872.4	3886.2	3923.0	3909.2	3978.4	3936.9	3964.5	4029.0	4024.4
12.5°	3798.8	3835.6	3863.2	3886.2	3927.6	3918.5	3987.5	3950.6	3987.5	4052.0	4052.0
15°	3780.4	3821.8	3854.0	3895.4	3936.9	3927.6	4001.4	3969.1	4006.0	4084.2	4079.6
17.5°	3734.2	3784.9	3817.1	3863.2	3904.6	3900.0	3978.4	3955.2	3996.8	4070.4	4075.0
20°	3656.0	3702.0	3738.9	3794.1	3840.1	3831.0	3913.9	3890.9	3932.2	4010.5	4015.1
22.5°	3554.8	3600.8	3637.6	3697.4	3738.9	3734.2	3817.1	3794.1	3835.6	3909.2	3913.9
25°	3435.0	3476.4	3513.2	3568.5	3614.5	3614.5	3688.2	3665.2	3711.2	3784.9	3784.9
27.5°	3287.6	3324.5	3356.8	3421.1	3458.0	3458.0	3527.1	3504.0	3550.1	3614.5	3610.0
30°	3108.0	3140.2	3167.9	3223.1	3255.4	3260.0	3319.9	3296.9	3342.9	3398.1	3398.1
32.5°	2891.6	2923.9	2942.2	3011.4	3034.4	3029.8	3075.9	3052.8	3098.9	3158.8	3144.9
35°	2661.4	2675.2	2689.0	2758.1	2767.4	2748.9	2795.0	2771.9	2804.1	2864.0	2854.8
37.5°	2399.0	2403.6	2403.6	2463.4	2468.0	2454.2	2481.9	2454.2	2477.2	2532.5	2527.9
40°	2108.9	2104.2	2099.6	2145.8	2141.1	2113.5	2131.9	2108.9	2141.1	2182.5	2159.5
42.5°	1814.1	1800.4	1782.0	1805.0	1786.5	1763.5	1772.8	1735.9	1758.9	1791.1	1763.5
45°	1524.1	1496.5	1459.6	1464.2	1441.2	1413.6	1399.8	1363.0	1358.4	1390.6	1367.5
47.5°	1252.4	1197.1	1165.0	1146.5	1109.8	1086.6	1059.0	1017.6	999.1	1017.6	994.6
50°	1008.4	953.1	911.8	870.2	833.4	805.8	759.8	732.1	704.5	709.1	690.6
52.5°	796.6	759.8	690.6	658.5	621.6	589.4	548.0	515.8	483.5	483.5	465.0
55°	630.9	580.1	534.1	488.1	451.2	423.6	382.1	350.0	317.8	313.1	294.8
57.5°	488.1	451.2	400.6	354.5	331.5	303.9	262.5	225.6	207.2	193.4	179.6
60°	377.6	340.8	299.2	262.5	234.9	216.4	175.0	147.4	128.9	119.8	105.9
62.5°	303.9	271.6	234.9	198.0	179.6	161.1	128.9	105.9	87.5	78.2	69.1
65°	244.0	216.4	188.8	161.1	147.4	128.9	105.9	87.5	73.6	64.5	55.2
67.5°	188.8	170.4	147.4	128.9	115.1	101.2	82.9	69.1	59.9	50.6	46.0
70°	142.8	128.9	115.1	96.8	87.5	78.2	64.5	50.6	46.0	41.5	36.9
72.5°	110.5	96.8	82.9	73.6	64.5	59.9	50.6	41.5	36.9	32.2	27.6
75°	73.6	69.1	59.9	50.6	46.0	41.5	36.9	32.2	27.6	23.0	23.0
77.5°	50.6	46.0	41.5	36.9	32.2	32.2	27.6	23.0	18.4	18.4	13.9
80°	32.2	27.6	27.6	23.0	23.0	23.0	18.4	13.9	13.9	13.9	9.2
82.5°	23.0	18.4	18.4	13.9	13.9	13.9	13.9	9.2	9.2	9.2	4.6
85°	13.9	9.2	9.2	9.2	9.2	9.2	9.2	4.6	4.6	4.6	4.6
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	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°	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2
2.5°	3923.0	3964.5	3964.5	4001.4	4006.0	3996.8	3955.2	3955.2	4010.5	4042.8	3987.5
5°	3959.9	4001.4	4001.4	4038.1	4056.6	4042.8	4001.4	4006.0	4061.2	4098.0	4042.8
7.5°	3992.1	4033.6	4042.8	4084.2	4098.0	4084.2	4042.8	4052.0	4111.9	4144.1	4088.9
10°	4006.0	4047.4	4052.0	4098.0	4116.5	4098.0	4065.8	4070.4	4134.9	4157.9	4107.2
12.5°	4038.1	4079.6	4079.6	4130.2	4148.6	4134.9	4093.4	4102.6	4167.1	4190.1	4139.5
15°	4070.4	4111.9	4111.9	4167.1	4190.1	4171.8	4139.5	4144.1	4208.5	4231.5	4190.1
17.5°	4070.4	4107.2	4107.2	4167.1	4190.1	4176.2	4139.5	4144.1	4213.1	4231.5	4190.1
20°	4010.5	4052.0	4042.8	4102.6	4125.6	4111.9	4079.6	4079.6	4148.6	4167.1	4125.6
22.5°	3913.9	3950.6	3941.5	3996.8	4024.4	4006.0	3978.4	3973.8	4042.8	4061.2	4019.8
25°	3780.4	3817.1	3808.0	3863.2	3890.9	3867.8	3835.6	3840.1	3895.4	3923.0	3886.2
27.5°	3623.8	3646.8	3633.0	3688.2	3715.9	3692.9	3660.6	3665.2	3720.5	3738.9	3711.2
30°	3412.0	3430.4	3416.5	3462.6	3481.0	3467.2	3439.6	3439.6	3490.2	3513.2	3485.6
32.5°	3158.8	3172.5	3158.8	3195.5	3232.4	3204.8	3177.1	3177.1	3232.4	3250.8	3218.6
35°	2864.0	2877.9	2868.6	2905.5	2933.1	2896.2	2873.2	2864.0	2937.8	2928.5	2910.1
37.5°	2537.1	2546.2	2518.6	2583.1	2597.0	2555.5	2537.1	2527.9	2592.4	2587.8	2569.4
40°	2168.8	2178.0	2159.5	2205.6	2210.1	2178.0	2164.1	2150.4	2214.8	2210.1	2196.4
42.5°	1777.4	1782.0	1758.9	1795.8	1805.0	1772.8	1768.1	1749.8	1809.6	1800.4	1795.8
45°	1372.1	1372.1	1353.8	1381.4	1390.6	1363.0	1353.8	1349.1	1390.6	1390.6	1381.4
47.5°	994.6	980.8	957.8	999.1	1003.8	985.4	980.8	967.0	1008.4	1008.4	999.1
50°	681.5	676.9	672.2	681.5	686.1	663.0	676.9	663.0	686.1	686.1	686.1
52.5°	455.9	451.2	442.0	451.2	451.2	437.4	437.4	432.9	451.2	451.2	442.0
55°	285.5	280.9	276.2	280.9	280.9	267.1	276.2	267.1	276.2	276.2	271.6
57.5°	175.0	165.8	165.8	161.1	161.1	152.0	156.5	156.5	156.5	156.5	156.5
60°	101.2	96.8	92.1	92.1	92.1	87.5	87.5	87.5	87.5	87.5	87.5
62.5°	64.5	64.5	59.9	59.9	59.9	59.9	59.9	55.2	59.9	59.9	59.9
65°	55.2	50.6	50.6	50.6	50.6	46.0	46.0	46.0	46.0	46.0	46.0
67.5°	46.0	41.5	41.5	41.5	41.5	36.9	36.9	36.9	36.9	36.9	36.9
70°	36.9	32.2	32.2	32.2	32.2	32.2	27.6	32.2	32.2	27.6	27.6
72.5°	27.6	27.6	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
75°	18.4	18.4	18.4	18.4	18.4	13.9	13.9	13.9	13.9	13.9	13.9
77.5°	13.9	13.9	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
80°	9.2	9.2	9.2	9.2	9.2	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	4.6	4.6	4.6	4.6	4.6	0.0	4.6	0.0	4.6	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: P212838

CATALOG NUMBER: LE_6B50D010R EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2
2.5°	4052.0	4006.0	3982.9	4029.0	4047.4	4024.4	4006.0	3973.8	4006.0	4024.4	4047.4
5°	4107.2	4065.8	4047.4	4079.6	4107.2	4084.2	4070.4	4038.1	4070.4	4084.2	4107.2
7.5°	4157.9	4116.5	4093.4	4125.6	4157.9	4125.6	4111.9	4084.2	4111.9	4125.6	4157.9
10°	4176.2	4130.2	4111.9	4139.5	4171.8	4139.5	4121.0	4102.6	4121.0	4139.5	4171.8
12.5°	4208.5	4162.5	4139.5	4162.5	4194.8	4162.5	4144.1	4130.2	4144.1	4162.5	4194.8
15°	4254.6	4213.1	4185.5	4208.5	4250.0	4213.1	4190.1	4185.5	4190.1	4213.1	4250.0
17.5°	4254.6	4222.4	4194.8	4213.1	4254.6	4227.0	4194.8	4203.9	4194.8	4227.0	4254.6
20°	4194.8	4162.5	4139.5	4139.5	4199.4	4162.5	4134.9	4148.6	4134.9	4162.5	4199.4
22.5°	4088.9	4061.2	4038.1	4033.6	4093.4	4061.2	4024.4	4052.0	4024.4	4061.2	4093.4
25°	3950.6	3923.0	3904.6	3895.4	3955.2	3918.5	3886.2	3913.9	3886.2	3918.5	3955.2
27.5°	3771.1	3748.1	3729.6	3715.9	3771.1	3738.9	3706.6	3734.2	3706.6	3738.9	3771.1
30°	3540.9	3527.1	3508.6	3490.2	3545.5	3513.2	3481.0	3517.9	3481.0	3513.2	3545.5
32.5°	3273.9	3264.6	3241.6	3223.1	3278.4	3241.6	3218.6	3246.2	3218.6	3241.6	3278.4
35°	2965.4	2951.5	2937.8	2905.5	2965.4	2933.1	2933.1	2942.2	2933.1	2933.1	2965.4
37.5°	2620.0	2610.8	2592.4	2564.8	2615.4	2592.4	2583.1	2610.8	2583.1	2592.4	2615.4
40°	2233.2	2228.6	2214.8	2182.5	2237.8	2214.8	2201.0	2237.8	2201.0	2214.8	2237.8
42.5°	1828.0	1818.8	1805.0	1800.4	1828.0	1809.6	1823.4	1823.4	1823.4	1809.6	1828.0
45°	1409.0	1399.8	1390.6	1372.1	1404.4	1395.1	1390.6	1399.8	1390.6	1395.1	1404.4
47.5°	1022.2	1013.0	1003.8	990.0	1022.2	1008.4	1008.4	1017.6	1008.4	1008.4	1022.2
50°	686.1	690.6	686.1	676.9	686.1	681.5	686.1	695.2	686.1	681.5	686.1
52.5°	455.9	455.9	446.6	442.0	451.2	446.6	460.5	451.2	460.5	446.6	451.2
55°	276.2	280.9	276.2	271.6	276.2	271.6	285.5	280.9	285.5	271.6	276.2
57.5°	156.5	156.5	161.1	156.5	165.8	161.1	161.1	161.1	161.1	161.1	165.8
60°	87.5	87.5	87.5	87.5	87.5	87.5	92.1	87.5	92.1	87.5	87.5
62.5°	59.9	59.9	59.9	55.2	59.9	55.2	59.9	59.9	59.9	55.2	59.9
65°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
67.5°	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
70°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
72.5°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
75°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
77.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.6	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: P212838

CATALOG NUMBER: LE_6B50D010R EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2
2.5°	4029.0	3982.9	4006.0	4052.0	3987.5	4042.8	4010.5	3955.2	3955.2	3996.8	4006.0
5°	4079.6	4047.4	4065.8	4107.2	4042.8	4098.0	4061.2	4006.0	4001.4	4042.8	4056.6
7.5°	4125.6	4093.4	4116.5	4157.9	4088.9	4144.1	4111.9	4052.0	4042.8	4084.2	4098.0
10°	4139.5	4111.9	4130.2	4176.2	4107.2	4157.9	4134.9	4070.4	4065.8	4098.0	4116.5
12.5°	4162.5	4139.5	4162.5	4208.5	4139.5	4190.1	4167.1	4102.6	4093.4	4134.9	4148.6
15°	4208.5	4185.5	4213.1	4254.6	4190.1	4231.5	4208.5	4144.1	4139.5	4171.8	4190.1
17.5°	4213.1	4194.8	4222.4	4254.6	4190.1	4231.5	4213.1	4144.1	4139.5	4176.2	4190.1
20°	4139.5	4139.5	4162.5	4194.8	4125.6	4167.1	4148.6	4079.6	4079.6	4111.9	4125.6
22.5°	4033.6	4038.1	4061.2	4088.9	4019.8	4061.2	4042.8	3973.8	3978.4	4006.0	4024.4
25°	3895.4	3904.6	3923.0	3950.6	3886.2	3923.0	3895.4	3840.1	3835.6	3867.8	3890.9
27.5°	3715.9	3729.6	3748.1	3771.1	3711.2	3738.9	3720.5	3665.2	3660.6	3692.9	3715.9
30°	3490.2	3508.6	3527.1	3540.9	3485.6	3513.2	3490.2	3439.6	3439.6	3467.2	3481.0
32.5°	3223.1	3241.6	3264.6	3273.9	3218.6	3250.8	3232.4	3177.1	3177.1	3204.8	3232.4
35°	2905.5	2937.8	2951.5	2965.4	2910.1	2928.5	2937.8	2864.0	2873.2	2896.2	2933.1
37.5°	2564.8	2592.4	2610.8	2620.0	2569.4	2587.8	2592.4	2527.9	2537.1	2555.5	2597.0
40°	2182.5	2214.8	2228.6	2233.2	2196.4	2210.1	2214.8	2150.4	2164.1	2178.0	2210.1
42.5°	1800.4	1805.0	1818.8	1828.0	1795.8	1800.4	1809.6	1749.8	1768.1	1772.8	1805.0
45°	1372.1	1390.6	1399.8	1409.0	1381.4	1390.6	1390.6	1349.1	1353.8	1363.0	1390.6
47.5°	990.0	1003.8	1013.0	1022.2	999.1	1008.4	1008.4	967.0	980.8	985.4	1003.8
50°	676.9	686.1	690.6	686.1	686.1	686.1	686.1	663.0	676.9	663.0	686.1
52.5°	442.0	446.6	455.9	455.9	442.0	451.2	451.2	432.9	437.4	437.4	451.2
55°	271.6	276.2	280.9	276.2	271.6	276.2	276.2	267.1	276.2	267.1	280.9
57.5°	156.5	161.1	156.5	156.5	156.5	156.5	156.5	156.5	156.5	152.0	161.1
60°	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	92.1
62.5°	55.2	59.9	59.9	59.9	59.9	59.9	59.9	55.2	59.9	59.9	59.9
65°	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	50.6
67.5°	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9	41.5
70°	27.6	27.6	27.6	27.6	27.6	27.6	32.2	32.2	27.6	32.2	32.2
72.5°	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.0
75°	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9	18.4
77.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	9.2
82.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.6	0.0	4.6	0.0	4.6
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: P212838

CATALOG NUMBER: LE_6B50D010R EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2
2.5°	4001.4	3964.5	3964.5	3923.0	3959.9	3964.5	3918.5	3904.6	3955.2	3900.0	3927.6
5°	4038.1	4001.4	4001.4	3959.9	3987.5	3987.5	3941.5	3918.5	3969.1	3913.9	3936.9
7.5°	4084.2	4042.8	4033.6	3992.1	4015.1	4019.8	3964.5	3932.2	3982.9	3918.5	3941.5
10°	4098.0	4052.0	4047.4	4006.0	4024.4	4029.0	3964.5	3936.9	3978.4	3909.2	3923.0
12.5°	4130.2	4079.6	4079.6	4038.1	4052.0	4052.0	3987.5	3950.6	3987.5	3918.5	3927.6
15°	4167.1	4111.9	4111.9	4070.4	4079.6	4084.2	4006.0	3969.1	4001.4	3927.6	3936.9
17.5°	4167.1	4107.2	4107.2	4070.4	4075.0	4070.4	3996.8	3955.2	3978.4	3900.0	3904.6
20°	4102.6	4042.8	4052.0	4010.5	4015.1	4010.5	3932.2	3890.9	3913.9	3831.0	3840.1
22.5°	3996.8	3941.5	3950.6	3913.9	3913.9	3909.2	3835.6	3794.1	3817.1	3734.2	3738.9
25°	3863.2	3808.0	3817.1	3780.4	3784.9	3784.9	3711.2	3665.2	3688.2	3614.5	3614.5
27.5°	3688.2	3633.0	3646.8	3623.8	3610.0	3614.5	3550.1	3504.0	3527.1	3458.0	3458.0
30°	3462.6	3416.5	3430.4	3412.0	3398.1	3398.1	3342.9	3296.9	3319.9	3260.0	3255.4
32.5°	3195.5	3158.8	3172.5	3158.8	3144.9	3158.8	3098.9	3052.8	3075.9	3029.8	3034.4
35°	2905.5	2868.6	2877.9	2864.0	2854.8	2864.0	2804.1	2771.9	2795.0	2748.9	2767.4
37.5°	2583.1	2518.6	2546.2	2537.1	2527.9	2532.5	2477.2	2454.2	2481.9	2454.2	2468.0
40°	2205.6	2159.5	2178.0	2168.8	2159.5	2182.5	2141.1	2108.9	2131.9	2113.5	2141.1
42.5°	1795.8	1758.9	1782.0	1777.4	1763.5	1791.1	1758.9	1735.9	1772.8	1763.5	1786.5
45°	1381.4	1353.8	1372.1	1372.1	1367.5	1390.6	1358.4	1363.0	1399.8	1413.6	1441.2
47.5°	999.1	957.8	980.8	994.6	994.6	1017.6	999.1	1017.6	1059.0	1086.6	1109.8
50°	681.5	672.2	676.9	681.5	690.6	709.1	704.5	732.1	759.8	805.8	833.4
52.5°	451.2	442.0	451.2	455.9	465.0	483.5	483.5	515.8	548.0	589.4	621.6
55°	280.9	276.2	280.9	285.5	294.8	313.1	317.8	350.0	382.1	423.6	451.2
57.5°	161.1	165.8	165.8	175.0	179.6	193.4	207.2	225.6	262.5	303.9	331.5
60°	92.1	92.1	96.8	101.2	105.9	119.8	128.9	147.4	175.0	216.4	234.9
62.5°	59.9	59.9	64.5	64.5	69.1	78.2	87.5	105.9	128.9	161.1	179.6
65°	50.6	50.6	50.6	55.2	55.2	64.5	73.6	87.5	105.9	128.9	147.4
67.5°	41.5	41.5	41.5	46.0	46.0	50.6	59.9	69.1	82.9	101.2	115.1
70°	32.2	32.2	32.2	36.9	36.9	41.5	46.0	50.6	64.5	78.2	87.5
72.5°	23.0	23.0	27.6	27.6	27.6	32.2	36.9	41.5	50.6	59.9	64.5
75°	18.4	18.4	18.4	18.4	23.0	23.0	27.6	32.2	36.9	41.5	46.0
77.5°	9.2	9.2	13.9	13.9	13.9	18.4	18.4	23.0	27.6	32.2	32.2
80°	9.2	9.2	9.2	9.2	9.2	13.9	13.9	13.9	18.4	23.0	23.0
82.5°	4.6	4.6	4.6	4.6	4.6	9.2	9.2	9.2	13.9	13.9	13.9
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	9.2	9.2	9.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.6	4.6	4.6	4.6	4.6
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: P212838

CATALOG NUMBER: LE_6B50D010R EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2	3955.2
2.5°	3895.4	3909.2	3909.2	3895.4	3858.6	3890.9	3923.0	3890.9	3932.2	3858.6	3858.6
5°	3895.4	3904.6	3900.0	3881.6	3844.8	3872.4	3895.4	3863.2	3895.4	3826.4	3821.8
7.5°	3904.6	3895.4	3886.2	3863.2	3817.1	3835.6	3858.6	3821.8	3854.0	3780.4	3771.1
10°	3886.2	3872.4	3854.0	3821.8	3771.1	3784.9	3798.8	3766.5	3789.5	3715.9	3711.2
12.5°	3886.2	3863.2	3835.6	3798.8	3743.5	3752.8	3766.5	3725.1	3743.5	3674.4	3665.2
15°	3895.4	3854.0	3821.8	3780.4	3720.5	3725.1	3734.2	3688.2	3706.6	3633.0	3628.4
17.5°	3863.2	3817.1	3784.9	3734.2	3669.8	3674.4	3674.4	3628.4	3642.1	3568.5	3563.9
20°	3794.1	3738.9	3702.0	3656.0	3586.9	3586.9	3586.9	3540.9	3550.1	3485.6	3476.4
22.5°	3697.4	3637.6	3600.8	3554.8	3490.2	3485.6	3481.0	3444.2	3444.2	3384.4	3370.5
25°	3568.5	3513.2	3476.4	3435.0	3370.5	3361.2	3361.2	3329.1	3324.5	3269.2	3260.0
27.5°	3421.1	3356.8	3324.5	3287.6	3227.8	3218.6	3214.0	3195.5	3186.4	3126.5	3121.9
30°	3223.1	3167.9	3140.2	3108.0	3052.8	3043.6	3039.0	3020.6	3016.0	2956.1	2956.1
32.5°	3011.4	2942.2	2923.9	2891.6	2850.2	2845.6	2850.2	2827.1	2808.8	2767.4	2758.1
35°	2758.1	2689.0	2675.2	2661.4	2629.1	2620.0	2615.4	2610.8	2587.8	2560.1	2546.2
37.5°	2463.4	2403.6	2403.6	2399.0	2375.9	2375.9	2375.9	2366.8	2343.8	2334.5	2306.9
40°	2145.8	2099.6	2104.2	2108.9	2099.6	2104.2	2108.9	2099.6	2081.2	2072.0	2049.0
42.5°	1805.0	1782.0	1800.4	1814.1	1814.1	1828.0	1837.2	1837.2	1814.1	1809.6	1791.1
45°	1464.2	1459.6	1496.5	1524.1	1533.2	1556.4	1570.1	1560.9	1560.9	1560.9	1542.5
47.5°	1146.5	1165.0	1197.1	1252.4	1270.9	1298.5	1307.6	1321.5	1316.9	1321.5	1307.6
50°	870.2	911.8	953.1	1008.4	1036.0	1068.2	1082.1	1100.5	1100.5	1105.1	1095.9
52.5°	658.5	690.6	759.8	796.6	828.9	861.0	879.5	897.9	902.5	902.5	893.2
55°	488.1	534.1	580.1	630.9	658.5	690.6	704.5	722.9	722.9	732.1	722.9
57.5°	354.5	400.6	451.2	488.1	520.2	543.4	557.1	571.0	580.1	580.1	575.6
60°	262.5	299.2	340.8	377.6	405.2	428.2	437.4	451.2	455.9	455.9	446.6
62.5°	198.0	234.9	271.6	303.9	322.4	340.8	350.0	359.1	359.1	359.1	354.5
65°	161.1	188.8	216.4	244.0	262.5	276.2	280.9	290.1	285.5	290.1	285.5
67.5°	128.9	147.4	170.4	188.8	202.6	211.8	216.4	225.6	221.0	225.6	221.0
70°	96.8	115.1	128.9	142.8	152.0	161.1	165.8	170.4	165.8	170.4	165.8
72.5°	73.6	82.9	96.8	110.5	115.1	119.8	124.4	124.4	124.4	128.9	124.4
75°	50.6	59.9	69.1	73.6	82.9	87.5	87.5	92.1	92.1	92.1	92.1
77.5°	36.9	41.5	46.0	50.6	55.2	59.9	59.9	64.5	64.5	64.5	64.5
80°	23.0	27.6	27.6	32.2	36.9	36.9	41.5	41.5	41.5	41.5	41.5
82.5°	13.9	18.4	18.4	23.0	23.0	23.0	27.6	27.6	27.6	27.6	27.6
85°	9.2	9.2	9.2	13.9	13.9	13.9	13.9	13.9	13.9	13.9	13.9
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	9.2	9.2	4.6	4.6
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: P212838

CATALOG NUMBER: LE_6B50D010R EC6B30508040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3955.2	3955.2	3955.2	3955.2
2.5°	3895.4	3872.4	3909.2	3854.0
5°	3854.0	3831.0	3877.0	3808.0
7.5°	3803.4	3780.4	3821.8	3752.8
10°	3738.9	3715.9	3752.8	3679.0
12.5°	3683.6	3660.6	3702.0	3633.0
15°	3642.1	3619.1	3656.0	3591.5
17.5°	3577.8	3550.1	3591.5	3522.5
20°	3485.6	3467.2	3499.5	3430.4
22.5°	3379.8	3361.2	3398.1	3329.1
25°	3269.2	3246.2	3283.0	3214.0
27.5°	3126.5	3108.0	3144.9	3075.9
30°	2956.1	2937.8	2974.5	2910.1
32.5°	2762.8	2744.2	2771.9	2716.6
35°	2541.8	2527.9	2555.5	2495.6
37.5°	2302.2	2288.5	2316.1	2256.2
40°	2044.4	2030.6	2053.6	2026.0
42.5°	1791.1	1777.4	1800.4	1777.4
45°	1542.5	1533.2	1556.4	1533.2
47.5°	1312.2	1303.1	1326.1	1303.1
50°	1091.2	1095.9	1105.1	1095.9
52.5°	893.2	893.2	907.1	893.2
55°	722.9	727.5	732.1	722.9
57.5°	575.6	575.6	580.1	575.6
60°	446.6	451.2	451.2	446.6
62.5°	354.5	354.5	354.5	354.5
65°	280.9	280.9	285.5	280.9
67.5°	221.0	216.4	221.0	216.4
70°	165.8	165.8	165.8	165.8
72.5°	128.9	128.9	124.4	124.4
75°	92.1	96.8	92.1	92.1
77.5°	64.5	64.5	64.5	64.5
80°	41.5	41.5	41.5	41.5
82.5°	27.6	27.6	27.6	27.6
85°	18.4	13.9	13.9	13.9
87.5°	9.2	4.6	4.6	4.6
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)