

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: P212825

Luminaire Tested: **LE_6B40D010 EC6B30508040 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212825
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_6B40D010 EC6B30508040 6LBSWL11
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: 5168.7 lumens
Efficiency: N/A
Efficacy: 120.2 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

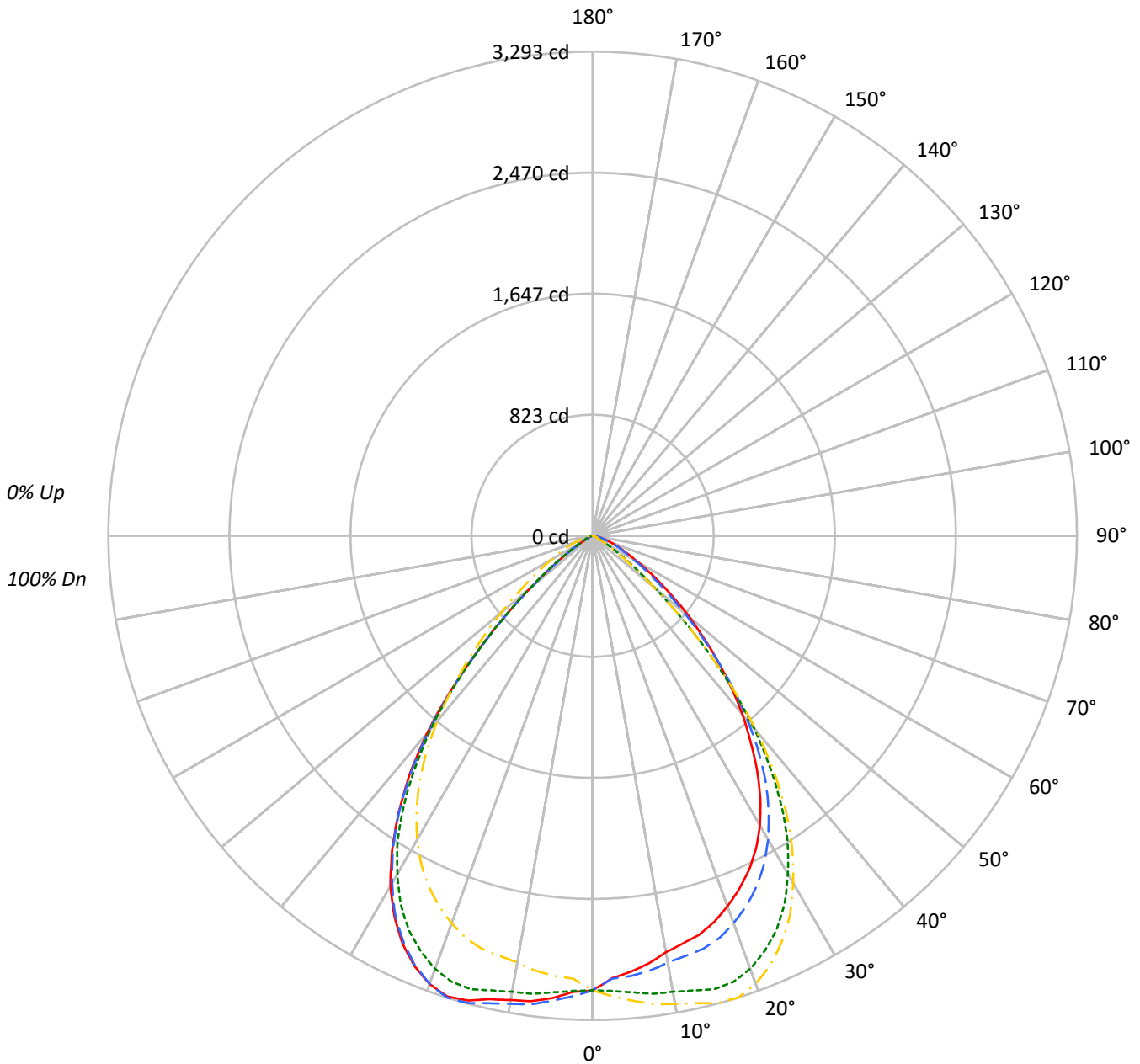
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212825

CATALOG NUMBER: LE_6B40D010 EC6B30508040 6LBSWL11

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°	169477	169477	169477	169477
5°	163779	171505	173684	171505
10°	160067	175292	178498	175292
15°	159314	181170	185665	181170
20°	156411	182868	189168	182868
25°	151944	178934	185031	178934
30°	143978	168127	174046	168127
35°	130540	149807	153910	149807
40°	113319	122079	125163	122079
45°	92909	84265	84815	84265
50°	73047	47265	46344	47265
55°	54000	23397	20979	23397
60°	38275	10262	7499	10262
65°	28473	6538	4670	6538
70°	20757	5193	3462	5193
75°	15250	3813	2288	3813
80°	10229	3410	1137	3410
85°	6793	2264	2264	2264



TEST NUMBER: P212825

CATALOG NUMBER: LE_6B40D010 EC6B30508040 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.9	5.7
10°-20°	876.5	17.0
20°-30°	1308.0	25.3
30°-40°	1343.9	26.0
40°-50°	870.3	16.8
50°-60°	323.6	6.3
60°-70°	106.2	2.1
70°-80°	37.5	0.7
80°-90°	6.7	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°	2480.5	48.0
0°-40°	3824.4	74.0
0°-60°	5018.3	97.1
0°-90°	5168.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5168.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3092	3092	3092	3092	3092	
5°	2976	3117	3156	3117	2976	281
15°	2807	3192	3271	3192	2807	789
25°	2512	2958	3059	2958	2512	1151
35°	1951	2238	2300	2238	1951	1211
45°	1198	1087	1094	1087	1198	927
55°	565	245	220	245	565	515
65°	220	50	36	50	220	223
75°	72	18	11	18	72	79
85°	11	4	4	4	11	14
90°	0	0	0	0	0	



TEST NUMBER: P212825

CATALOG NUMBER: LE_6B40D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5
2.5°	3012.2	3055.5	3026.6	3044.6	3015.9	3015.9	3073.5	3041.0	3066.2	3041.0	3015.9
5°	2976.2	3030.2	2994.2	3012.2	2987.1	2990.6	3044.6	3019.5	3044.6	3026.6	3005.1
7.5°	2933.1	2987.1	2954.6	2972.6	2947.5	2954.6	3012.2	2987.1	3015.9	2997.9	2983.5
10°	2875.5	2933.1	2904.2	2922.2	2900.8	2904.2	2961.9	2943.9	2969.1	2958.2	2947.5
12.5°	2839.5	2893.5	2861.1	2879.1	2864.8	2871.9	2925.9	2911.5	2943.9	2933.1	2925.9
15°	2807.1	2857.5	2828.8	2846.8	2835.9	2839.5	2897.1	2882.8	2918.8	2911.5	2907.9
17.5°	2753.1	2807.1	2774.8	2796.4	2785.5	2789.1	2846.8	2835.9	2871.9	2871.9	2868.4
20°	2681.1	2735.1	2710.0	2724.4	2717.1	2724.4	2774.8	2767.5	2803.5	2803.5	2803.5
22.5°	2602.0	2656.0	2627.2	2641.6	2634.4	2645.1	2692.0	2692.0	2720.8	2724.4	2728.0
25°	2512.0	2566.0	2537.2	2555.2	2548.0	2555.2	2598.4	2602.0	2627.2	2627.2	2634.4
27.5°	2404.0	2458.0	2429.2	2443.6	2440.0	2443.6	2490.4	2497.6	2512.0	2515.6	2522.9
30°	2274.5	2324.9	2296.1	2310.5	2310.5	2310.5	2357.2	2360.9	2375.2	2378.9	2386.0
32.5°	2123.4	2166.5	2144.9	2159.4	2155.8	2162.9	2195.4	2209.8	2227.8	2224.1	2227.8
35°	1950.6	1997.4	1975.8	1986.6	1990.1	2001.0	2022.6	2040.6	2044.1	2047.8	2055.0
37.5°	1763.5	1810.2	1788.6	1799.5	1803.0	1824.6	1831.9	1849.9	1857.0	1857.0	1857.0
40°	1583.5	1605.1	1587.1	1597.9	1601.5	1619.5	1626.8	1641.1	1648.2	1644.8	1641.1
42.5°	1389.1	1407.1	1389.1	1400.0	1400.0	1414.4	1418.0	1436.0	1436.0	1428.8	1418.0
45°	1198.4	1216.4	1198.4	1205.6	1205.6	1220.0	1220.0	1220.0	1227.2	1216.4	1198.4
47.5°	1018.5	1036.5	1018.5	1025.6	1022.1	1032.9	1029.2	1032.9	1022.1	1014.9	993.2
50°	856.5	863.8	856.5	852.9	856.5	863.8	860.1	860.1	845.8	835.0	809.8
52.5°	698.1	709.0	698.1	698.1	698.1	705.4	705.4	701.8	687.4	673.0	647.8
55°	565.0	572.2	568.6	565.0	565.0	572.2	565.0	565.0	550.6	539.9	514.6
57.5°	449.9	453.5	449.9	449.9	449.9	453.5	453.5	446.2	435.5	424.6	406.6
60°	349.1	352.8	352.8	349.1	349.1	356.2	356.2	352.8	341.9	334.8	316.8
62.5°	277.1	277.1	277.1	277.1	277.1	280.8	280.8	280.8	273.5	266.4	251.9
65°	219.5	223.1	219.5	219.5	223.1	226.8	223.1	226.8	219.5	215.9	205.1
67.5°	169.1	172.8	169.1	172.8	172.8	176.4	172.8	176.4	169.1	165.5	158.4
70°	129.5	129.5	129.5	129.5	129.5	133.1	129.5	133.1	129.5	126.0	118.8
72.5°	97.1	97.1	100.8	100.8	97.1	100.8	97.1	97.1	97.1	93.6	90.0
75°	72.0	72.0	75.6	72.0	72.0	72.0	72.0	72.0	68.4	68.4	64.8
77.5°	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	46.8	46.8	43.1
80°	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	28.8	28.8
82.5°	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	18.0	18.0
85°	10.8	10.8	10.8	14.4	10.8	10.8	10.8	10.8	10.8	10.8	10.8
87.5°	3.6	3.6	3.6	7.2	3.6	3.6	7.2	7.2	3.6	3.6	3.6
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: P212825

CATALOG NUMBER: LE_6B40D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5
2.5°	3044.6	3055.5	3055.5	3044.6	3069.9	3048.2	3091.5	3051.9	3062.6	3098.6	3095.0
5°	3033.9	3048.2	3051.9	3044.6	3077.0	3059.0	3102.2	3062.6	3080.6	3116.6	3116.6
7.5°	3019.5	3037.5	3044.6	3051.9	3080.6	3062.6	3113.0	3073.5	3098.6	3141.9	3138.2
10°	2987.1	3012.2	3026.6	3037.5	3066.2	3055.5	3109.5	3077.0	3098.6	3149.0	3145.4
12.5°	2969.1	2997.9	3019.5	3037.5	3069.9	3062.6	3116.6	3087.9	3116.6	3167.0	3167.0
15°	2954.6	2987.1	3012.2	3044.6	3077.0	3069.9	3127.4	3102.2	3131.0	3192.2	3188.6
17.5°	2918.8	2958.2	2983.5	3019.5	3051.9	3048.2	3109.5	3091.5	3123.9	3181.4	3185.0
20°	2857.5	2893.5	2922.2	2965.5	3001.5	2994.2	3059.0	3041.0	3073.5	3134.6	3138.2
22.5°	2778.4	2814.4	2843.1	2889.9	2922.2	2918.8	2983.5	2965.5	2997.9	3055.5	3059.0
25°	2684.8	2717.1	2746.0	2789.1	2825.1	2825.1	2882.8	2864.8	2900.8	2958.2	2958.2
27.5°	2569.6	2598.4	2623.6	2674.0	2702.8	2702.8	2756.8	2738.8	2774.8	2825.1	2821.5
30°	2429.2	2454.5	2476.0	2519.2	2544.4	2548.0	2594.8	2576.8	2612.8	2656.0	2656.0
32.5°	2260.1	2285.2	2299.8	2353.6	2371.6	2368.1	2404.0	2386.0	2422.0	2468.9	2458.0
35°	2080.1	2091.0	2101.8	2155.8	2162.9	2148.5	2184.5	2166.5	2191.8	2238.5	2231.2
37.5°	1875.0	1878.6	1878.6	1925.4	1929.0	1918.2	1939.8	1918.2	1936.2	1979.4	1975.8
40°	1648.2	1644.8	1641.1	1677.1	1673.5	1651.9	1666.2	1648.2	1673.5	1705.9	1687.9
42.5°	1418.0	1407.1	1392.8	1410.8	1396.4	1378.4	1385.6	1356.8	1374.8	1400.0	1378.4
45°	1191.2	1169.6	1140.9	1144.5	1126.5	1104.9	1094.0	1065.2	1061.6	1086.9	1068.9
47.5°	978.9	935.8	910.5	896.1	867.4	849.4	827.8	795.4	781.0	795.4	777.4
50°	788.1	745.0	712.6	680.2	651.4	629.8	593.9	572.2	550.6	554.2	539.9
52.5°	622.6	593.9	539.9	514.6	485.9	460.6	428.2	403.1	377.9	377.9	363.5
55°	493.0	453.5	417.5	381.5	352.8	331.1	298.8	273.5	248.4	244.8	230.4
57.5°	381.5	352.8	313.1	277.1	259.1	237.5	205.1	176.4	162.0	151.1	140.4
60°	295.1	266.4	233.9	205.1	183.5	169.1	136.8	115.1	100.8	93.6	82.8
62.5°	237.5	212.4	183.5	154.8	140.4	126.0	100.8	82.8	68.4	61.1	54.0
65°	190.8	169.1	147.5	126.0	115.1	100.8	82.8	68.4	57.6	50.4	43.1
67.5°	147.5	133.1	115.1	100.8	90.0	79.1	64.8	54.0	46.8	39.6	36.0
70°	111.6	100.8	90.0	75.6	68.4	61.1	50.4	39.6	36.0	32.4	28.8
72.5°	86.4	75.6	64.8	57.6	50.4	46.8	39.6	32.4	28.8	25.2	21.6
75°	57.6	54.0	46.8	39.6	36.0	32.4	28.8	25.2	21.6	18.0	18.0
77.5°	39.6	36.0	32.4	28.8	25.2	25.2	21.6	18.0	14.4	14.4	10.8
80°	25.2	21.6	21.6	18.0	18.0	18.0	14.4	10.8	10.8	10.8	7.2
82.5°	18.0	14.4	14.4	10.8	10.8	10.8	10.8	7.2	7.2	7.2	3.6
85°	10.8	7.2	7.2	7.2	7.2	7.2	7.2	3.6	3.6	3.6	3.6
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	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



TEST NUMBER: P212825

CATALOG NUMBER: LE_6B40D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5
2.5°	3066.2	3098.6	3098.6	3127.4	3131.0	3123.9	3091.5	3091.5	3134.6	3159.9	3116.6
5°	3095.0	3127.4	3127.4	3156.2	3170.6	3159.9	3127.4	3131.0	3174.2	3203.0	3159.9
7.5°	3120.2	3152.6	3159.9	3192.2	3203.0	3192.2	3159.9	3167.0	3213.8	3239.0	3195.8
10°	3131.0	3163.4	3167.0	3203.0	3217.4	3203.0	3177.9	3181.4	3231.8	3249.8	3210.2
12.5°	3156.2	3188.6	3188.6	3228.2	3242.6	3231.8	3199.4	3206.6	3257.0	3275.0	3235.4
15°	3181.4	3213.8	3213.8	3257.0	3275.0	3260.6	3235.4	3239.0	3289.4	3307.4	3275.0
17.5°	3181.4	3210.2	3210.2	3257.0	3275.0	3264.2	3235.4	3239.0	3293.0	3307.4	3275.0
20°	3134.6	3167.0	3159.9	3206.6	3224.6	3213.8	3188.6	3188.6	3242.6	3257.0	3224.6
22.5°	3059.0	3087.9	3080.6	3123.9	3145.4	3131.0	3109.5	3105.9	3159.9	3174.2	3141.9
25°	2954.6	2983.5	2976.2	3019.5	3041.0	3023.1	2997.9	3001.5	3044.6	3066.2	3037.5
27.5°	2832.4	2850.4	2839.5	2882.8	2904.2	2886.2	2861.1	2864.8	2907.9	2922.2	2900.8
30°	2666.8	2681.1	2670.4	2706.4	2720.8	2710.0	2688.4	2688.4	2728.0	2746.0	2724.4
32.5°	2468.9	2479.6	2468.9	2497.6	2526.4	2504.9	2483.2	2483.2	2526.4	2540.9	2515.6
35°	2238.5	2249.2	2242.1	2270.9	2292.5	2263.8	2245.8	2238.5	2296.1	2288.9	2274.5
37.5°	1983.0	1990.1	1968.6	2019.0	2029.8	1997.4	1983.0	1975.8	2026.1	2022.6	2008.1
40°	1695.1	1702.2	1687.9	1723.9	1727.5	1702.2	1691.5	1680.6	1731.1	1727.5	1716.6
42.5°	1389.1	1392.8	1374.8	1403.6	1410.8	1385.6	1382.0	1367.6	1414.4	1407.1	1403.6
45°	1072.5	1072.5	1058.1	1079.6	1086.9	1065.2	1058.1	1054.5	1086.9	1086.9	1079.6
47.5°	777.4	766.6	748.6	781.0	784.5	770.1	766.6	755.8	788.1	788.1	781.0
50°	532.6	529.0	525.5	532.6	536.2	518.2	529.0	518.2	536.2	536.2	536.2
52.5°	356.2	352.8	345.5	352.8	352.8	341.9	341.9	338.2	352.8	352.8	345.5
55°	223.1	219.5	215.9	219.5	219.5	208.8	215.9	208.8	215.9	215.9	212.4
57.5°	136.8	129.5	129.5	126.0	126.0	118.8	122.4	122.4	122.4	122.4	122.4
60°	79.1	75.6	72.0	72.0	72.0	68.4	68.4	68.4	68.4	68.4	68.4
62.5°	50.4	50.4	46.8	46.8	46.8	46.8	46.8	43.1	46.8	46.8	46.8
65°	43.1	39.6	39.6	39.6	39.6	36.0	36.0	36.0	36.0	36.0	36.0
67.5°	36.0	32.4	32.4	32.4	32.4	28.8	28.8	28.8	28.8	28.8	28.8
70°	28.8	25.2	25.2	25.2	25.2	25.2	21.6	25.2	25.2	21.6	21.6
72.5°	21.6	21.6	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
75°	14.4	14.4	14.4	14.4	14.4	10.8	10.8	10.8	10.8	10.8	10.8
77.5°	10.8	10.8	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
80°	7.2	7.2	7.2	7.2	7.2	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	3.6	3.6	3.6	3.6	3.6	0.0	3.6	0.0	3.6	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: P212825

CATALOG NUMBER: LE_6B40D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5
2.5°	3167.0	3131.0	3113.0	3149.0	3163.4	3145.4	3131.0	3105.9	3131.0	3145.4	3163.4
5°	3210.2	3177.9	3163.4	3188.6	3210.2	3192.2	3181.4	3156.2	3181.4	3192.2	3210.2
7.5°	3249.8	3217.4	3199.4	3224.6	3249.8	3224.6	3213.8	3192.2	3213.8	3224.6	3249.8
10°	3264.2	3228.2	3213.8	3235.4	3260.6	3235.4	3221.0	3206.6	3221.0	3235.4	3260.6
12.5°	3289.4	3253.4	3235.4	3253.4	3278.6	3253.4	3239.0	3228.2	3239.0	3253.4	3278.6
15°	3325.4	3293.0	3271.4	3289.4	3321.8	3293.0	3275.0	3271.4	3275.0	3293.0	3321.8
17.5°	3325.4	3300.1	3278.6	3293.0	3325.4	3303.8	3278.6	3285.8	3278.6	3303.8	3325.4
20°	3278.6	3253.4	3235.4	3235.4	3282.1	3253.4	3231.8	3242.6	3231.8	3253.4	3282.1
22.5°	3195.8	3174.2	3156.2	3152.6	3199.4	3174.2	3145.4	3167.0	3145.4	3174.2	3199.4
25°	3087.9	3066.2	3051.9	3044.6	3091.5	3062.6	3037.5	3059.0	3037.5	3062.6	3091.5
27.5°	2947.5	2929.5	2915.1	2904.2	2947.5	2922.2	2897.1	2918.8	2897.1	2922.2	2947.5
30°	2767.5	2756.8	2742.4	2728.0	2771.1	2746.0	2720.8	2749.5	2720.8	2746.0	2771.1
32.5°	2558.8	2551.6	2533.6	2519.2	2562.4	2533.6	2515.6	2537.2	2515.6	2533.6	2562.4
35°	2317.6	2306.9	2296.1	2270.9	2317.6	2292.5	2292.5	2299.8	2292.5	2292.5	2317.6
37.5°	2047.8	2040.6	2026.1	2004.6	2044.1	2026.1	2019.0	2040.6	2019.0	2026.1	2044.1
40°	1745.5	1741.9	1731.1	1705.9	1749.0	1731.1	1720.2	1749.0	1720.2	1731.1	1749.0
42.5°	1428.8	1421.5	1410.8	1407.1	1428.8	1414.4	1425.1	1425.1	1425.1	1414.4	1428.8
45°	1101.2	1094.0	1086.9	1072.5	1097.6	1090.5	1086.9	1094.0	1086.9	1090.5	1097.6
47.5°	799.0	791.8	784.5	773.8	799.0	788.1	788.1	795.4	788.1	788.1	799.0
50°	536.2	539.9	536.2	529.0	536.2	532.6	536.2	543.4	536.2	532.6	536.2
52.5°	356.2	356.2	349.1	345.5	352.8	349.1	359.9	352.8	359.9	349.1	352.8
55°	215.9	219.5	215.9	212.4	215.9	212.4	223.1	219.5	223.1	212.4	215.9
57.5°	122.4	122.4	126.0	122.4	129.5	126.0	126.0	126.0	126.0	126.0	129.5
60°	68.4	68.4	68.4	68.4	68.4	68.4	72.0	68.4	72.0	68.4	68.4
62.5°	46.8	46.8	46.8	43.1	46.8	43.1	46.8	46.8	46.8	43.1	46.8
65°	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
67.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8
70°	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6	21.6
72.5°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
75°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
77.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	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: P212825

CATALOG NUMBER: LE_6B40D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5
2.5°	3149.0	3113.0	3131.0	3167.0	3116.6	3159.9	3134.6	3091.5	3091.5	3123.9	3131.0
5°	3188.6	3163.4	3177.9	3210.2	3159.9	3203.0	3174.2	3131.0	3127.4	3159.9	3170.6
7.5°	3224.6	3199.4	3217.4	3249.8	3195.8	3239.0	3213.8	3167.0	3159.9	3192.2	3203.0
10°	3235.4	3213.8	3228.2	3264.2	3210.2	3249.8	3231.8	3181.4	3177.9	3203.0	3217.4
12.5°	3253.4	3235.4	3253.4	3289.4	3235.4	3275.0	3257.0	3206.6	3199.4	3231.8	3242.6
15°	3289.4	3271.4	3293.0	3325.4	3275.0	3307.4	3289.4	3239.0	3235.4	3260.6	3275.0
17.5°	3293.0	3278.6	3300.1	3325.4	3275.0	3307.4	3293.0	3239.0	3235.4	3264.2	3275.0
20°	3235.4	3235.4	3253.4	3278.6	3224.6	3257.0	3242.6	3188.6	3188.6	3213.8	3224.6
22.5°	3152.6	3156.2	3174.2	3195.8	3141.9	3174.2	3159.9	3105.9	3109.5	3131.0	3145.4
25°	3044.6	3051.9	3066.2	3087.9	3037.5	3066.2	3044.6	3001.5	2997.9	3023.1	3041.0
27.5°	2904.2	2915.1	2929.5	2947.5	2900.8	2922.2	2907.9	2864.8	2861.1	2886.2	2904.2
30°	2728.0	2742.4	2756.8	2767.5	2724.4	2746.0	2728.0	2688.4	2688.4	2710.0	2720.8
32.5°	2519.2	2533.6	2551.6	2558.8	2515.6	2540.9	2526.4	2483.2	2483.2	2504.9	2526.4
35°	2270.9	2296.1	2306.9	2317.6	2274.5	2288.9	2296.1	2238.5	2245.8	2263.8	2292.5
37.5°	2004.6	2026.1	2040.6	2047.8	2008.1	2022.6	2026.1	1975.8	1983.0	1997.4	2029.8
40°	1705.9	1731.1	1741.9	1745.5	1716.6	1727.5	1731.1	1680.6	1691.5	1702.2	1727.5
42.5°	1407.1	1410.8	1421.5	1428.8	1403.6	1407.1	1414.4	1367.6	1382.0	1385.6	1410.8
45°	1072.5	1086.9	1094.0	1101.2	1079.6	1086.9	1086.9	1054.5	1058.1	1065.2	1086.9
47.5°	773.8	784.5	791.8	799.0	781.0	788.1	788.1	755.8	766.6	770.1	784.5
50°	529.0	536.2	539.9	536.2	536.2	536.2	536.2	518.2	529.0	518.2	536.2
52.5°	345.5	349.1	356.2	356.2	345.5	352.8	352.8	338.2	341.9	341.9	352.8
55°	212.4	215.9	219.5	215.9	212.4	215.9	215.9	208.8	215.9	208.8	219.5
57.5°	122.4	126.0	122.4	122.4	122.4	122.4	122.4	122.4	122.4	118.8	126.0
60°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	72.0
62.5°	43.1	46.8	46.8	46.8	46.8	46.8	46.8	43.1	46.8	46.8	46.8
65°	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	39.6
67.5°	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	28.8	32.4
70°	21.6	21.6	21.6	21.6	21.6	21.6	25.2	25.2	21.6	25.2	25.2
72.5°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
75°	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	14.4
77.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2
80°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.2
82.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	0.0	3.6	0.0	3.6
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: P212825

CATALOG NUMBER: LE_6B40D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5
2.5°	3127.4	3098.6	3098.6	3066.2	3095.0	3098.6	3062.6	3051.9	3091.5	3048.2	3069.9
5°	3156.2	3127.4	3127.4	3095.0	3116.6	3116.6	3080.6	3062.6	3102.2	3059.0	3077.0
7.5°	3192.2	3159.9	3152.6	3120.2	3138.2	3141.9	3098.6	3073.5	3113.0	3062.6	3080.6
10°	3203.0	3167.0	3163.4	3131.0	3145.4	3149.0	3098.6	3077.0	3109.5	3055.5	3066.2
12.5°	3228.2	3188.6	3188.6	3156.2	3167.0	3167.0	3116.6	3087.9	3116.6	3062.6	3069.9
15°	3257.0	3213.8	3213.8	3181.4	3188.6	3192.2	3131.0	3102.2	3127.4	3069.9	3077.0
17.5°	3257.0	3210.2	3210.2	3181.4	3185.0	3181.4	3123.9	3091.5	3109.5	3048.2	3051.9
20°	3206.6	3159.9	3167.0	3134.6	3138.2	3134.6	3073.5	3041.0	3059.0	2994.2	3001.5
22.5°	3123.9	3080.6	3087.9	3059.0	3059.0	3055.5	2997.9	2965.5	2983.5	2918.8	2922.2
25°	3019.5	2976.2	2983.5	2954.6	2958.2	2958.2	2900.8	2864.8	2882.8	2825.1	2825.1
27.5°	2882.8	2839.5	2850.4	2832.4	2821.5	2825.1	2774.8	2738.8	2756.8	2702.8	2702.8
30°	2706.4	2670.4	2681.1	2666.8	2656.0	2656.0	2612.8	2576.8	2594.8	2548.0	2544.4
32.5°	2497.6	2468.9	2479.6	2468.9	2458.0	2468.9	2422.0	2386.0	2404.0	2368.1	2371.6
35°	2270.9	2242.1	2249.2	2238.5	2231.2	2238.5	2191.8	2166.5	2184.5	2148.5	2162.9
37.5°	2019.0	1968.6	1990.1	1983.0	1975.8	1979.4	1936.2	1918.2	1939.8	1918.2	1929.0
40°	1723.9	1687.9	1702.2	1695.1	1687.9	1705.9	1673.5	1648.2	1666.2	1651.9	1673.5
42.5°	1403.6	1374.8	1392.8	1389.1	1378.4	1400.0	1374.8	1356.8	1385.6	1378.4	1396.4
45°	1079.6	1058.1	1072.5	1072.5	1068.9	1086.9	1061.6	1065.2	1094.0	1104.9	1126.5
47.5°	781.0	748.6	766.6	777.4	777.4	795.4	781.0	795.4	827.8	849.4	867.4
50°	532.6	525.5	529.0	532.6	539.9	554.2	550.6	572.2	593.9	629.8	651.4
52.5°	352.8	345.5	352.8	356.2	363.5	377.9	377.9	403.1	428.2	460.6	485.9
55°	219.5	215.9	219.5	223.1	230.4	244.8	248.4	273.5	298.8	331.1	352.8
57.5°	126.0	129.5	129.5	136.8	140.4	151.1	162.0	176.4	205.1	237.5	259.1
60°	72.0	72.0	75.6	79.1	82.8	93.6	100.8	115.1	136.8	169.1	183.5
62.5°	46.8	46.8	50.4	50.4	54.0	61.1	68.4	82.8	100.8	126.0	140.4
65°	39.6	39.6	39.6	43.1	43.1	50.4	57.6	68.4	82.8	100.8	115.1
67.5°	32.4	32.4	32.4	36.0	36.0	39.6	46.8	54.0	64.8	79.1	90.0
70°	25.2	25.2	25.2	28.8	28.8	32.4	36.0	39.6	50.4	61.1	68.4
72.5°	18.0	18.0	21.6	21.6	21.6	25.2	28.8	32.4	39.6	46.8	50.4
75°	14.4	14.4	14.4	14.4	18.0	18.0	21.6	25.2	28.8	32.4	36.0
77.5°	7.2	7.2	10.8	10.8	10.8	14.4	14.4	18.0	21.6	25.2	25.2
80°	7.2	7.2	7.2	7.2	7.2	10.8	10.8	10.8	14.4	18.0	18.0
82.5°	3.6	3.6	3.6	3.6	3.6	7.2	7.2	7.2	10.8	10.8	10.8
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.2	7.2	7.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	3.6	3.6	3.6	3.6
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: P212825

CATALOG NUMBER: LE_6B40D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5	3091.5
2.5°	3044.6	3055.5	3055.5	3044.6	3015.9	3041.0	3066.2	3041.0	3073.5	3015.9	3015.9
5°	3044.6	3051.9	3048.2	3033.9	3005.1	3026.6	3044.6	3019.5	3044.6	2990.6	2987.1
7.5°	3051.9	3044.6	3037.5	3019.5	2983.5	2997.9	3015.9	2987.1	3012.2	2954.6	2947.5
10°	3037.5	3026.6	3012.2	2987.1	2947.5	2958.2	2969.1	2943.9	2961.9	2904.2	2900.8
12.5°	3037.5	3019.5	2997.9	2969.1	2925.9	2933.1	2943.9	2911.5	2925.9	2871.9	2864.8
15°	3044.6	3012.2	2987.1	2954.6	2907.9	2911.5	2918.8	2882.8	2897.1	2839.5	2835.9
17.5°	3019.5	2983.5	2958.2	2918.8	2868.4	2871.9	2871.9	2835.9	2846.8	2789.1	2785.5
20°	2965.5	2922.2	2893.5	2857.5	2803.5	2803.5	2803.5	2767.5	2774.8	2724.4	2717.1
22.5°	2889.9	2843.1	2814.4	2778.4	2728.0	2724.4	2720.8	2692.0	2692.0	2645.1	2634.4
25°	2789.1	2746.0	2717.1	2684.8	2634.4	2627.2	2627.2	2602.0	2598.4	2555.2	2548.0
27.5°	2674.0	2623.6	2598.4	2569.6	2522.9	2515.6	2512.0	2497.6	2490.4	2443.6	2440.0
30°	2519.2	2476.0	2454.5	2429.2	2386.0	2378.9	2375.2	2360.9	2357.2	2310.5	2310.5
32.5°	2353.6	2299.8	2285.2	2260.1	2227.8	2224.1	2227.8	2209.8	2195.4	2162.9	2155.8
35°	2155.8	2101.8	2091.0	2080.1	2055.0	2047.8	2044.1	2040.6	2022.6	2001.0	1990.1
37.5°	1925.4	1878.6	1878.6	1875.0	1857.0	1857.0	1857.0	1849.9	1831.9	1824.6	1803.0
40°	1677.1	1641.1	1644.8	1648.2	1641.1	1644.8	1648.2	1641.1	1626.8	1619.5	1601.5
42.5°	1410.8	1392.8	1407.1	1418.0	1418.0	1428.8	1436.0	1436.0	1418.0	1414.4	1400.0
45°	1144.5	1140.9	1169.6	1191.2	1198.4	1216.4	1227.2	1220.0	1220.0	1220.0	1205.6
47.5°	896.1	910.5	935.8	978.9	993.2	1014.9	1022.1	1032.9	1029.2	1032.9	1022.1
50°	680.2	712.6	745.0	788.1	809.8	835.0	845.8	860.1	860.1	863.8	856.5
52.5°	514.6	539.9	593.9	622.6	647.8	673.0	687.4	701.8	705.4	705.4	698.1
55°	381.5	417.5	453.5	493.0	514.6	539.9	550.6	565.0	565.0	572.2	565.0
57.5°	277.1	313.1	352.8	381.5	406.6	424.6	435.5	446.2	453.5	453.5	449.9
60°	205.1	233.9	266.4	295.1	316.8	334.8	341.9	352.8	356.2	356.2	349.1
62.5°	154.8	183.5	212.4	237.5	251.9	266.4	273.5	280.8	280.8	280.8	277.1
65°	126.0	147.5	169.1	190.8	205.1	215.9	219.5	226.8	223.1	226.8	223.1
67.5°	100.8	115.1	133.1	147.5	158.4	165.5	169.1	176.4	172.8	176.4	172.8
70°	75.6	90.0	100.8	111.6	118.8	126.0	129.5	133.1	129.5	133.1	129.5
72.5°	57.6	64.8	75.6	86.4	90.0	93.6	97.1	97.1	97.1	100.8	97.1
75°	39.6	46.8	54.0	57.6	64.8	68.4	68.4	72.0	72.0	72.0	72.0
77.5°	28.8	32.4	36.0	39.6	43.1	46.8	46.8	50.4	50.4	50.4	50.4
80°	18.0	21.6	21.6	25.2	28.8	28.8	32.4	32.4	32.4	32.4	32.4
82.5°	10.8	14.4	14.4	18.0	18.0	18.0	21.6	21.6	21.6	21.6	21.6
85°	7.2	7.2	7.2	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
87.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.2	7.2	3.6	3.6
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: P212825

CATALOG NUMBER: LE_6B40D010 EC6B30508040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3091.5	3091.5	3091.5	3091.5
2.5°	3044.6	3026.6	3055.5	3012.2
5°	3012.2	2994.2	3030.2	2976.2
7.5°	2972.6	2954.6	2987.1	2933.1
10°	2922.2	2904.2	2933.1	2875.5
12.5°	2879.1	2861.1	2893.5	2839.5
15°	2846.8	2828.8	2857.5	2807.1
17.5°	2796.4	2774.8	2807.1	2753.1
20°	2724.4	2710.0	2735.1	2681.1
22.5°	2641.6	2627.2	2656.0	2602.0
25°	2555.2	2537.2	2566.0	2512.0
27.5°	2443.6	2429.2	2458.0	2404.0
30°	2310.5	2296.1	2324.9	2274.5
32.5°	2159.4	2144.9	2166.5	2123.4
35°	1986.6	1975.8	1997.4	1950.6
37.5°	1799.5	1788.6	1810.2	1763.5
40°	1597.9	1587.1	1605.1	1583.5
42.5°	1400.0	1389.1	1407.1	1389.1
45°	1205.6	1198.4	1216.4	1198.4
47.5°	1025.6	1018.5	1036.5	1018.5
50°	852.9	856.5	863.8	856.5
52.5°	698.1	698.1	709.0	698.1
55°	565.0	568.6	572.2	565.0
57.5°	449.9	449.9	453.5	449.9
60°	349.1	352.8	352.8	349.1
62.5°	277.1	277.1	277.1	277.1
65°	219.5	219.5	223.1	219.5
67.5°	172.8	169.1	172.8	169.1
70°	129.5	129.5	129.5	129.5
72.5°	100.8	100.8	97.1	97.1
75°	72.0	75.6	72.0	72.0
77.5°	50.4	50.4	50.4	50.4
80°	32.4	32.4	32.4	32.4
82.5°	21.6	21.6	21.6	21.6
85°	14.4	10.8	10.8	10.8
87.5°	7.2	3.6	3.6	3.6
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)