

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: P212826

Luminaire Tested: **LE_6B40D010 EC6B30508050 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212826
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 EC6B30508050 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5165.8 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

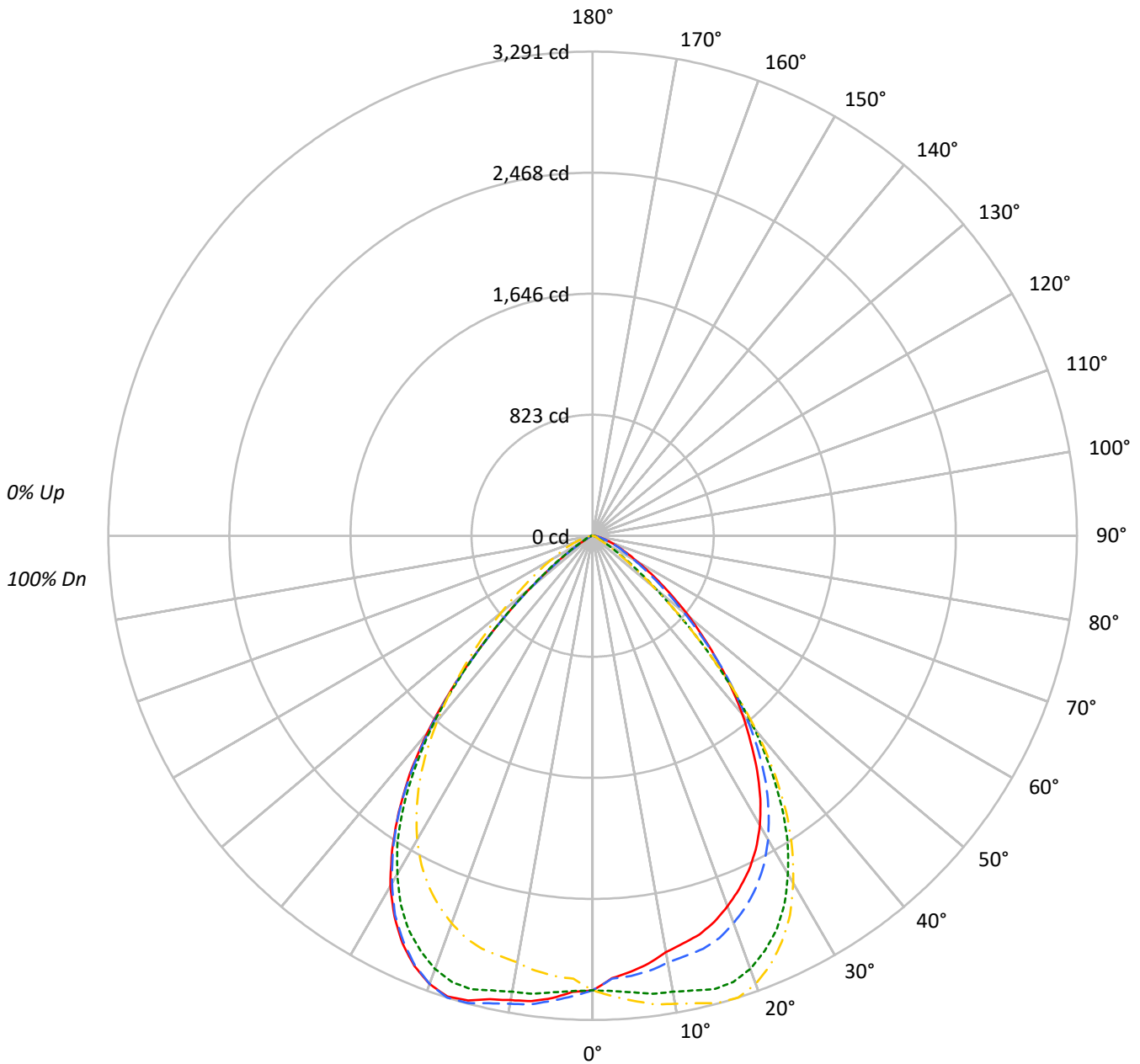
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212826

CATALOG NUMBER: LE_6B40D010 EC6B30508050 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°	169383	169383	169383	169383
5°	163691	171412	173591	171412
10°	159978	175192	178398	175192
15°	159223	181068	185557	181068
20°	156324	182768	189063	182768
25°	151860	178837	184934	178837
30°	143896	168032	173951	168032
35°	130467	149720	153816	149720
40°	113255	122007	125099	122007
45°	92862	84210	84776	84210
50°	73004	47239	46318	47239
55°	53981	23378	20969	23378
60°	38254	10251	7499	10251
65°	28460	6538	4670	6538
70°	20757	5193	3462	5193
75°	15229	3813	2288	3813
80°	10229	3410	1137	3410
85°	6793	2264	2264	2264



TEST NUMBER: P212826

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSWL11

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.8	5.7
10°-20°	876.0	17.0
20°-30°	1307.3	25.3
30°-40°	1343.1	26.0
40°-50°	869.8	16.8
50°-60°	323.4	6.3
60°-70°	106.1	2.1
70°-80°	37.4	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°	2479.1	48.0
0°-40°	3822.3	74.0
0°-60°	5015.5	97.1
0°-90°	5165.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5165.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3090	3090	3090	3090	3090	
5°	2975	3115	3154	3115	2975	281
15°	2806	3190	3270	3190	2806	789
25°	2511	2957	3057	2957	2511	1151
35°	1950	2237	2298	2237	1950	1210
45°	1198	1086	1094	1086	1198	926
55°	565	245	219	245	565	515
65°	219	50	36	50	219	223
75°	72	18	11	18	72	79
85°	11	4	4	4	11	14
90°	0	0	0	0	0	



TEST NUMBER: P212826

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8
2.5°	3010.6	3053.8	3025.0	3043.0	3014.1	3014.1	3071.8	3039.4	3064.5	3039.4	3014.1
5°	2974.6	3028.5	2992.6	3010.6	2985.4	2989.0	3043.0	3017.8	3043.0	3025.0	3003.4
7.5°	2931.5	2985.4	2953.0	2971.0	2945.9	2953.0	3010.6	2985.4	3014.1	2996.1	2981.8
10°	2873.9	2931.5	2902.6	2920.6	2899.1	2902.6	2960.2	2942.2	2967.4	2956.6	2945.9
12.5°	2837.9	2891.9	2859.5	2877.5	2863.1	2870.2	2924.2	2909.9	2942.2	2931.5	2924.2
15°	2805.5	2855.9	2827.1	2845.1	2834.4	2837.9	2895.5	2881.1	2917.0	2909.9	2906.2
17.5°	2751.6	2805.5	2773.1	2794.8	2784.0	2787.6	2845.1	2834.4	2870.2	2870.2	2866.8
20°	2679.6	2733.6	2708.4	2722.9	2715.6	2722.9	2773.1	2766.0	2802.0	2802.0	2802.0
22.5°	2600.5	2654.5	2625.8	2640.1	2632.9	2643.8	2690.5	2690.5	2719.2	2722.9	2726.4
25°	2510.6	2564.6	2535.8	2553.8	2546.6	2553.8	2596.9	2600.5	2625.8	2625.8	2632.9
27.5°	2402.8	2456.6	2427.9	2442.2	2438.6	2442.2	2489.0	2496.2	2510.6	2514.2	2521.4
30°	2273.2	2323.6	2294.8	2309.1	2309.1	2309.1	2356.0	2359.5	2373.9	2377.5	2384.8
32.5°	2122.1	2165.2	2143.8	2158.1	2154.5	2161.8	2194.1	2208.5	2226.5	2222.9	2226.5
35°	1949.5	1996.2	1974.6	1985.5	1989.1	1999.9	2021.4	2039.4	2043.0	2046.6	2053.8
37.5°	1762.5	1809.2	1787.6	1798.4	1802.0	1823.6	1830.8	1848.8	1856.0	1856.0	1856.0
40°	1582.6	1604.2	1586.2	1597.0	1600.6	1618.6	1625.8	1640.1	1647.4	1643.8	1640.1
42.5°	1388.4	1406.4	1388.4	1399.1	1399.1	1413.6	1417.1	1435.1	1435.1	1428.0	1417.1
45°	1197.8	1215.8	1197.8	1205.0	1205.0	1219.4	1219.4	1219.4	1226.5	1215.8	1197.8
47.5°	1017.9	1035.9	1017.9	1025.1	1021.5	1032.2	1028.8	1032.2	1021.5	1014.4	992.8
50°	856.0	863.2	856.0	852.5	856.0	863.2	859.6	859.6	845.2	834.5	809.2
52.5°	697.8	708.6	697.8	697.8	697.8	705.0	705.0	701.4	687.0	672.6	647.4
55°	564.8	571.9	568.2	564.8	564.8	571.9	564.8	564.8	550.4	539.5	514.4
57.5°	449.6	453.2	449.6	449.6	449.6	453.2	453.2	446.0	435.2	424.4	406.5
60°	348.9	352.5	352.5	348.9	348.9	356.1	356.1	352.5	341.8	334.5	316.5
62.5°	277.0	277.0	277.0	277.0	277.0	280.5	280.5	280.5	273.4	266.1	251.8
65°	219.4	223.0	219.4	219.4	223.0	226.6	223.0	226.6	219.4	215.8	205.0
67.5°	169.0	172.6	169.0	172.6	172.6	176.2	172.6	176.2	169.0	165.5	158.2
70°	129.5	129.5	129.5	129.5	129.5	133.1	129.5	133.1	129.5	125.9	118.8
72.5°	97.1	97.1	100.8	100.8	97.1	100.8	97.1	97.1	97.1	93.5	89.9
75°	71.9	71.9	75.5	71.9	71.9	71.9	71.9	71.9	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: P212826

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8
2.5°	3043.0	3053.8	3053.8	3043.0	3068.1	3046.5	3089.8	3050.1	3060.9	3096.9	3093.2
5°	3032.1	3046.5	3050.1	3043.0	3075.4	3057.4	3100.5	3060.9	3078.9	3114.9	3114.9
7.5°	3017.8	3035.8	3043.0	3050.1	3078.9	3060.9	3111.2	3071.8	3096.9	3140.0	3136.5
10°	2985.4	3010.6	3025.0	3035.8	3064.5	3053.8	3107.8	3075.4	3096.9	3147.2	3143.6
12.5°	2967.4	2996.1	3017.8	3035.8	3068.1	3060.9	3114.9	3086.1	3114.9	3165.2	3165.2
15°	2953.0	2985.4	3010.6	3043.0	3075.4	3068.1	3125.6	3100.5	3129.2	3190.4	3186.9
17.5°	2917.0	2956.6	2981.8	3017.8	3050.1	3046.5	3107.8	3089.8	3122.1	3179.6	3183.2
20°	2855.9	2891.9	2920.6	2963.9	2999.8	2992.6	3057.4	3039.4	3071.8	3132.9	3136.5
22.5°	2776.8	2812.8	2841.5	2888.2	2920.6	2917.0	2981.8	2963.9	2996.1	3053.8	3057.4
25°	2683.2	2715.6	2744.4	2787.6	2823.5	2823.5	2881.1	2863.1	2899.1	2956.6	2956.6
27.5°	2568.1	2596.9	2622.1	2672.5	2701.2	2701.2	2755.2	2737.2	2773.1	2823.5	2820.0
30°	2427.9	2453.0	2474.6	2517.8	2543.0	2546.6	2593.4	2575.4	2611.4	2654.5	2654.5
32.5°	2258.9	2284.0	2298.4	2352.4	2370.4	2366.8	2402.8	2384.8	2420.8	2467.5	2456.6
35°	2079.0	2089.8	2100.6	2154.5	2161.8	2147.4	2183.2	2165.2	2190.5	2237.2	2230.0
37.5°	1874.0	1877.5	1877.5	1924.4	1927.9	1917.1	1938.8	1917.1	1935.1	1978.2	1974.6
40°	1647.4	1643.8	1640.1	1676.1	1672.5	1651.0	1665.4	1647.4	1672.5	1704.9	1686.9
42.5°	1417.1	1406.4	1392.0	1410.0	1395.6	1377.6	1384.8	1356.0	1374.0	1399.1	1377.6
45°	1190.5	1169.0	1140.2	1143.8	1125.9	1104.2	1093.5	1064.6	1061.1	1086.2	1068.2
47.5°	978.4	935.1	910.0	895.6	866.9	848.9	827.2	794.9	780.5	794.9	776.9
50°	787.8	744.5	712.1	679.8	651.0	629.5	593.5	571.9	550.4	553.9	539.5
52.5°	622.2	593.5	539.5	514.4	485.6	460.4	428.0	402.9	377.6	377.6	363.2
55°	492.8	453.2	417.2	381.2	352.5	330.9	298.5	273.4	248.1	244.6	230.2
57.5°	381.2	352.5	312.9	277.0	259.0	237.4	205.0	176.2	161.9	151.1	140.2
60°	295.0	266.1	233.8	205.0	183.5	169.0	136.6	115.1	100.8	93.5	82.8
62.5°	237.4	212.2	183.5	154.6	140.2	125.9	100.8	82.8	68.4	61.1	54.0
65°	190.6	169.0	147.5	125.9	115.1	100.8	82.8	68.4	57.5	50.4	43.1
67.5°	147.5	133.1	115.1	100.8	89.9	79.1	64.8	54.0	46.8	39.6	36.0
70°	111.5	100.8	89.9	75.5	68.4	61.1	50.4	39.6	36.0	32.4	28.8
72.5°	86.4	75.5	64.8	57.5	50.4	46.8	39.6	32.4	28.8	25.1	21.6
75°	57.5	54.0	46.8	39.6	36.0	32.4	28.8	25.1	21.6	18.0	18.0
77.5°	39.6	36.0	32.4	28.8	25.1	25.1	21.6	18.0	14.4	14.4	10.8
80°	25.1	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: P212826

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8
2.5°	3064.5	3096.9	3096.9	3125.6	3129.2	3122.1	3089.8	3089.8	3132.9	3158.0	3114.9
5°	3093.2	3125.6	3125.6	3154.5	3168.9	3158.0	3125.6	3129.2	3172.4	3201.2	3158.0
7.5°	3118.5	3150.9	3158.0	3190.4	3201.2	3190.4	3158.0	3165.2	3212.0	3237.1	3194.0
10°	3129.2	3161.6	3165.2	3201.2	3215.6	3201.2	3176.0	3179.6	3230.0	3248.0	3208.4
12.5°	3154.5	3186.9	3186.9	3226.4	3240.8	3230.0	3197.6	3204.8	3255.1	3273.1	3233.6
15°	3179.6	3212.0	3212.0	3255.1	3273.1	3258.8	3233.6	3237.1	3287.5	3305.5	3273.1
17.5°	3179.6	3208.4	3208.4	3255.1	3273.1	3262.4	3233.6	3237.1	3291.1	3305.5	3273.1
20°	3132.9	3165.2	3158.0	3204.8	3222.8	3212.0	3186.9	3186.9	3240.8	3255.1	3222.8
22.5°	3057.4	3086.1	3078.9	3122.1	3143.6	3129.2	3107.8	3104.1	3158.0	3172.4	3140.0
25°	2953.0	2981.8	2974.6	3017.8	3039.4	3021.4	2996.1	2999.8	3043.0	3064.5	3035.8
27.5°	2830.8	2848.8	2837.9	2881.1	2902.6	2884.6	2859.5	2863.1	2906.2	2920.6	2899.1
30°	2665.2	2679.6	2668.9	2704.9	2719.2	2708.4	2686.9	2686.9	2726.4	2744.4	2722.9
32.5°	2467.5	2478.2	2467.5	2496.2	2525.0	2503.4	2481.9	2481.9	2525.0	2539.4	2514.2
35°	2237.2	2248.0	2240.9	2269.6	2291.2	2262.4	2244.5	2237.2	2294.8	2287.6	2273.2
37.5°	1981.9	1989.1	1967.5	2017.9	2028.6	1996.2	1981.9	1974.6	2025.0	2021.4	2007.0
40°	1694.1	1701.4	1686.9	1722.9	1726.5	1701.4	1690.5	1679.8	1730.1	1726.5	1715.8
42.5°	1388.4	1392.0	1374.0	1402.8	1410.0	1384.8	1381.2	1366.8	1413.6	1406.4	1402.8
45°	1071.9	1071.9	1057.5	1079.0	1086.2	1064.6	1057.5	1053.9	1086.2	1086.2	1079.0
47.5°	776.9	766.1	748.1	780.5	784.1	769.8	766.1	755.4	787.8	787.8	780.5
50°	532.4	528.8	525.1	532.4	535.9	518.0	528.8	518.0	535.9	535.9	535.9
52.5°	356.1	352.5	345.2	352.5	352.5	341.8	341.8	338.1	352.5	352.5	345.2
55°	223.0	219.4	215.8	219.4	219.4	208.6	215.8	208.6	215.8	215.8	212.2
57.5°	136.6	129.5	129.5	125.9	125.9	118.8	122.2	122.2	122.2	122.2	122.2
60°	79.1	75.5	71.9	71.9	71.9	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	25.1	25.1	25.1	25.1	25.1	21.6	25.1	25.1	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: P212826

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8
2.5°	3165.2	3129.2	3111.2	3147.2	3161.6	3143.6	3129.2	3104.1	3129.2	3143.6	3161.6
5°	3208.4	3176.0	3161.6	3186.9	3208.4	3190.4	3179.6	3154.5	3179.6	3190.4	3208.4
7.5°	3248.0	3215.6	3197.6	3222.8	3248.0	3222.8	3212.0	3190.4	3212.0	3222.8	3248.0
10°	3262.4	3226.4	3212.0	3233.6	3258.8	3233.6	3219.2	3204.8	3219.2	3233.6	3258.8
12.5°	3287.5	3251.6	3233.6	3251.6	3276.8	3251.6	3237.1	3226.4	3237.1	3251.6	3276.8
15°	3323.5	3291.1	3269.5	3287.5	3319.9	3291.1	3273.1	3269.5	3273.1	3291.1	3319.9
17.5°	3323.5	3298.4	3276.8	3291.1	3323.5	3301.9	3276.8	3283.9	3276.8	3301.9	3323.5
20°	3276.8	3251.6	3233.6	3233.6	3280.4	3251.6	3230.0	3240.8	3230.0	3251.6	3280.4
22.5°	3194.0	3172.4	3154.5	3150.9	3197.6	3172.4	3143.6	3165.2	3143.6	3172.4	3197.6
25°	3086.1	3064.5	3050.1	3043.0	3089.8	3060.9	3035.8	3057.4	3035.8	3060.9	3089.8
27.5°	2945.9	2927.9	2913.5	2902.6	2945.9	2920.6	2895.5	2917.0	2895.5	2920.6	2945.9
30°	2766.0	2755.2	2740.8	2726.4	2769.6	2744.4	2719.2	2748.0	2719.2	2744.4	2769.6
32.5°	2557.4	2550.1	2532.2	2517.8	2561.0	2532.2	2514.2	2535.8	2514.2	2532.2	2561.0
35°	2316.4	2305.6	2294.8	2269.6	2316.4	2291.2	2291.2	2298.4	2291.2	2291.2	2316.4
37.5°	2046.6	2039.4	2025.0	2003.5	2043.0	2025.0	2017.9	2039.4	2017.9	2025.0	2043.0
40°	1744.5	1740.9	1730.1	1704.9	1748.1	1730.1	1719.2	1748.1	1719.2	1730.1	1748.1
42.5°	1428.0	1420.8	1410.0	1406.4	1428.0	1413.6	1424.4	1424.4	1424.4	1413.6	1428.0
45°	1100.6	1093.5	1086.2	1071.9	1097.0	1089.9	1086.2	1093.5	1086.2	1089.9	1097.0
47.5°	798.5	791.2	784.1	773.4	798.5	787.8	787.8	794.9	787.8	787.8	798.5
50°	535.9	539.5	535.9	528.8	535.9	532.4	535.9	543.1	535.9	532.4	535.9
52.5°	356.1	356.1	348.9	345.2	352.5	348.9	359.6	352.5	359.6	348.9	352.5
55°	215.8	219.4	215.8	212.2	215.8	212.2	223.0	219.4	223.0	212.2	215.8
57.5°	122.2	122.2	125.9	122.2	129.5	125.9	125.9	125.9	125.9	125.9	129.5
60°	68.4	68.4	68.4	68.4	68.4	68.4	71.9	68.4	71.9	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: P212826

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8
2.5°	3147.2	3111.2	3129.2	3165.2	3114.9	3158.0	3132.9	3089.8	3089.8	3122.1	3129.2
5°	3186.9	3161.6	3176.0	3208.4	3158.0	3201.2	3172.4	3129.2	3125.6	3158.0	3168.9
7.5°	3222.8	3197.6	3215.6	3248.0	3194.0	3237.1	3212.0	3165.2	3158.0	3190.4	3201.2
10°	3233.6	3212.0	3226.4	3262.4	3208.4	3248.0	3230.0	3179.6	3176.0	3201.2	3215.6
12.5°	3251.6	3233.6	3251.6	3287.5	3233.6	3273.1	3255.1	3204.8	3197.6	3230.0	3240.8
15°	3287.5	3269.5	3291.1	3323.5	3273.1	3305.5	3287.5	3237.1	3233.6	3258.8	3273.1
17.5°	3291.1	3276.8	3298.4	3323.5	3273.1	3305.5	3291.1	3237.1	3233.6	3262.4	3273.1
20°	3233.6	3233.6	3251.6	3276.8	3222.8	3255.1	3240.8	3186.9	3186.9	3212.0	3222.8
22.5°	3150.9	3154.5	3172.4	3194.0	3140.0	3172.4	3158.0	3104.1	3107.8	3129.2	3143.6
25°	3043.0	3050.1	3064.5	3086.1	3035.8	3064.5	3043.0	2999.8	2996.1	3021.4	3039.4
27.5°	2902.6	2913.5	2927.9	2945.9	2899.1	2920.6	2906.2	2863.1	2859.5	2884.6	2902.6
30°	2726.4	2740.8	2755.2	2766.0	2722.9	2744.4	2726.4	2686.9	2686.9	2708.4	2719.2
32.5°	2517.8	2532.2	2550.1	2557.4	2514.2	2539.4	2525.0	2481.9	2481.9	2503.4	2525.0
35°	2269.6	2294.8	2305.6	2316.4	2273.2	2287.6	2294.8	2237.2	2244.5	2262.4	2291.2
37.5°	2003.5	2025.0	2039.4	2046.6	2007.0	2021.4	2025.0	1974.6	1981.9	1996.2	2028.6
40°	1704.9	1730.1	1740.9	1744.5	1715.8	1726.5	1730.1	1679.8	1690.5	1701.4	1726.5
42.5°	1406.4	1410.0	1420.8	1428.0	1402.8	1406.4	1413.6	1366.8	1381.2	1384.8	1410.0
45°	1071.9	1086.2	1093.5	1100.6	1079.0	1086.2	1086.2	1053.9	1057.5	1064.6	1086.2
47.5°	773.4	784.1	791.2	798.5	780.5	787.8	787.8	755.4	766.1	769.8	784.1
50°	528.8	535.9	539.5	535.9	535.9	535.9	535.9	518.0	528.8	518.0	535.9
52.5°	345.2	348.9	356.1	356.1	345.2	352.5	352.5	338.1	341.8	341.8	352.5
55°	212.2	215.8	219.4	215.8	212.2	215.8	215.8	208.6	215.8	208.6	219.4
57.5°	122.2	125.9	122.2	122.2	122.2	122.2	122.2	122.2	122.2	118.8	125.9
60°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	71.9
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	25.1	25.1	21.6	25.1	25.1
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: P212826

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8
2.5°	3125.6	3096.9	3096.9	3064.5	3093.2	3096.9	3060.9	3050.1	3089.8	3046.5	3068.1
5°	3154.5	3125.6	3125.6	3093.2	3114.9	3114.9	3078.9	3060.9	3100.5	3057.4	3075.4
7.5°	3190.4	3158.0	3150.9	3118.5	3136.5	3140.0	3096.9	3071.8	3111.2	3060.9	3078.9
10°	3201.2	3165.2	3161.6	3129.2	3143.6	3147.2	3096.9	3075.4	3107.8	3053.8	3064.5
12.5°	3226.4	3186.9	3186.9	3154.5	3165.2	3165.2	3114.9	3086.1	3114.9	3060.9	3068.1
15°	3255.1	3212.0	3212.0	3179.6	3186.9	3190.4	3129.2	3100.5	3125.6	3068.1	3075.4
17.5°	3255.1	3208.4	3208.4	3179.6	3183.2	3179.6	3122.1	3089.8	3107.8	3046.5	3050.1
20°	3204.8	3158.0	3165.2	3132.9	3136.5	3132.9	3071.8	3039.4	3057.4	2992.6	2999.8
22.5°	3122.1	3078.9	3086.1	3057.4	3057.4	3053.8	2996.1	2963.9	2981.8	2917.0	2920.6
25°	3017.8	2974.6	2981.8	2953.0	2956.6	2956.6	2899.1	2863.1	2881.1	2823.5	2823.5
27.5°	2881.1	2837.9	2848.8	2830.8	2820.0	2823.5	2773.1	2737.2	2755.2	2701.2	2701.2
30°	2704.9	2668.9	2679.6	2665.2	2654.5	2654.5	2611.4	2575.4	2593.4	2546.6	2543.0
32.5°	2496.2	2467.5	2478.2	2467.5	2456.6	2467.5	2420.8	2384.8	2402.8	2366.8	2370.4
35°	2269.6	2240.9	2248.0	2237.2	2230.0	2237.2	2190.5	2165.2	2183.2	2147.4	2161.8
37.5°	2017.9	1967.5	1989.1	1981.9	1974.6	1978.2	1935.1	1917.1	1938.8	1917.1	1927.9
40°	1722.9	1686.9	1701.4	1694.1	1686.9	1704.9	1672.5	1647.4	1665.4	1651.0	1672.5
42.5°	1402.8	1374.0	1392.0	1388.4	1377.6	1399.1	1374.0	1356.0	1384.8	1377.6	1395.6
45°	1079.0	1057.5	1071.9	1071.9	1068.2	1086.2	1061.1	1064.6	1093.5	1104.2	1125.9
47.5°	780.5	748.1	766.1	776.9	776.9	794.9	780.5	794.9	827.2	848.9	866.9
50°	532.4	525.1	528.8	532.4	539.5	553.9	550.4	571.9	593.5	629.5	651.0
52.5°	352.5	345.2	352.5	356.1	363.2	377.6	377.6	402.9	428.0	460.4	485.6
55°	219.4	215.8	219.4	223.0	230.2	244.6	248.1	273.4	298.5	330.9	352.5
57.5°	125.9	129.5	129.5	136.6	140.2	151.1	161.9	176.2	205.0	237.4	259.0
60°	71.9	71.9	75.5	79.1	82.8	93.5	100.8	115.1	136.6	169.0	183.5
62.5°	46.8	46.8	50.4	50.4	54.0	61.1	68.4	82.8	100.8	125.9	140.2
65°	39.6	39.6	39.6	43.1	43.1	50.4	57.5	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	89.9
70°	25.1	25.1	25.1	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	25.1	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	25.1	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	25.1	25.1
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: P212826

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8	3089.8
2.5°	3043.0	3053.8	3053.8	3043.0	3014.1	3039.4	3064.5	3039.4	3071.8	3014.1	3014.1
5°	3043.0	3050.1	3046.5	3032.1	3003.4	3025.0	3043.0	3017.8	3043.0	2989.0	2985.4
7.5°	3050.1	3043.0	3035.8	3017.8	2981.8	2996.1	3014.1	2985.4	3010.6	2953.0	2945.9
10°	3035.8	3025.0	3010.6	2985.4	2945.9	2956.6	2967.4	2942.2	2960.2	2902.6	2899.1
12.5°	3035.8	3017.8	2996.1	2967.4	2924.2	2931.5	2942.2	2909.9	2924.2	2870.2	2863.1
15°	3043.0	3010.6	2985.4	2953.0	2906.2	2909.9	2917.0	2881.1	2895.5	2837.9	2834.4
17.5°	3017.8	2981.8	2956.6	2917.0	2866.8	2870.2	2870.2	2834.4	2845.1	2787.6	2784.0
20°	2963.9	2920.6	2891.9	2855.9	2802.0	2802.0	2802.0	2766.0	2773.1	2722.9	2715.6
22.5°	2888.2	2841.5	2812.8	2776.8	2726.4	2722.9	2719.2	2690.5	2690.5	2643.8	2632.9
25°	2787.6	2744.4	2715.6	2683.2	2632.9	2625.8	2625.8	2600.5	2596.9	2553.8	2546.6
27.5°	2672.5	2622.1	2596.9	2568.1	2521.4	2514.2	2510.6	2496.2	2489.0	2442.2	2438.6
30°	2517.8	2474.6	2453.0	2427.9	2384.8	2377.5	2373.9	2359.5	2356.0	2309.1	2309.1
32.5°	2352.4	2298.4	2284.0	2258.9	2226.5	2222.9	2226.5	2208.5	2194.1	2161.8	2154.5
35°	2154.5	2100.6	2089.8	2079.0	2053.8	2046.6	2043.0	2039.4	2021.4	1999.9	1989.1
37.5°	1924.4	1877.5	1877.5	1874.0	1856.0	1856.0	1856.0	1848.8	1830.8	1823.6	1802.0
40°	1676.1	1640.1	1643.8	1647.4	1640.1	1643.8	1647.4	1640.1	1625.8	1618.6	1600.6
42.5°	1410.0	1392.0	1406.4	1417.1	1417.1	1428.0	1435.1	1435.1	1417.1	1413.6	1399.1
45°	1143.8	1140.2	1169.0	1190.5	1197.8	1215.8	1226.5	1219.4	1219.4	1219.4	1205.0
47.5°	895.6	910.0	935.1	978.4	992.8	1014.4	1021.5	1032.2	1028.8	1032.2	1021.5
50°	679.8	712.1	744.5	787.8	809.2	834.5	845.2	859.6	859.6	863.2	856.0
52.5°	514.4	539.5	593.5	622.2	647.4	672.6	687.0	701.4	705.0	705.0	697.8
55°	381.2	417.2	453.2	492.8	514.4	539.5	550.4	564.8	564.8	571.9	564.8
57.5°	277.0	312.9	352.5	381.2	406.5	424.4	435.2	446.0	453.2	453.2	449.6
60°	205.0	233.8	266.1	295.0	316.5	334.5	341.8	352.5	356.1	356.1	348.9
62.5°	154.6	183.5	212.2	237.4	251.8	266.1	273.4	280.5	280.5	280.5	277.0
65°	125.9	147.5	169.0	190.6	205.0	215.8	219.4	226.6	223.0	226.6	223.0
67.5°	100.8	115.1	133.1	147.5	158.2	165.5	169.0	176.2	172.6	176.2	172.6
70°	75.5	89.9	100.8	111.5	118.8	125.9	129.5	133.1	129.5	133.1	129.5
72.5°	57.5	64.8	75.5	86.4	89.9	93.5	97.1	97.1	97.1	100.8	97.1
75°	39.6	46.8	54.0	57.5	64.8	68.4	68.4	71.9	71.9	71.9	71.9
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	25.1	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: P212826

CATALOG NUMBER: LE_6B40D010 EC6B30508050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3089.8	3089.8	3089.8	3089.8
2.5°	3043.0	3025.0	3053.8	3010.6
5°	3010.6	2992.6	3028.5	2974.6
7.5°	2971.0	2953.0	2985.4	2931.5
10°	2920.6	2902.6	2931.5	2873.9
12.5°	2877.5	2859.5	2891.9	2837.9
15°	2845.1	2827.1	2855.9	2805.5
17.5°	2794.8	2773.1	2805.5	2751.6
20°	2722.9	2708.4	2733.6	2679.6
22.5°	2640.1	2625.8	2654.5	2600.5
25°	2553.8	2535.8	2564.6	2510.6
27.5°	2442.2	2427.9	2456.6	2402.8
30°	2309.1	2294.8	2323.6	2273.2
32.5°	2158.1	2143.8	2165.2	2122.1
35°	1985.5	1974.6	1996.2	1949.5
37.5°	1798.4	1787.6	1809.2	1762.5
40°	1597.0	1586.2	1604.2	1582.6
42.5°	1399.1	1388.4	1406.4	1388.4
45°	1205.0	1197.8	1215.8	1197.8
47.5°	1025.1	1017.9	1035.9	1017.9
50°	852.5	856.0	863.2	856.0
52.5°	697.8	697.8	708.6	697.8
55°	564.8	568.2	571.9	564.8
57.5°	449.6	449.6	453.2	449.6
60°	348.9	352.5	352.5	348.9
62.5°	277.0	277.0	277.0	277.0
65°	219.4	219.4	223.0	219.4
67.5°	172.6	169.0	172.6	169.0
70°	129.5	129.5	129.5	129.5
72.5°	100.8	100.8	97.1	97.1
75°	71.9	75.5	71.9	71.9
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)