

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: P212823

Luminaire Tested: **LE\_6B40D010 EC6B30508030 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212823  
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 EC6B30508030 6LBSWL1  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 80CRI / 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4989.9 lumens  
Efficiency: N/A  
Efficacy: 116.0 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

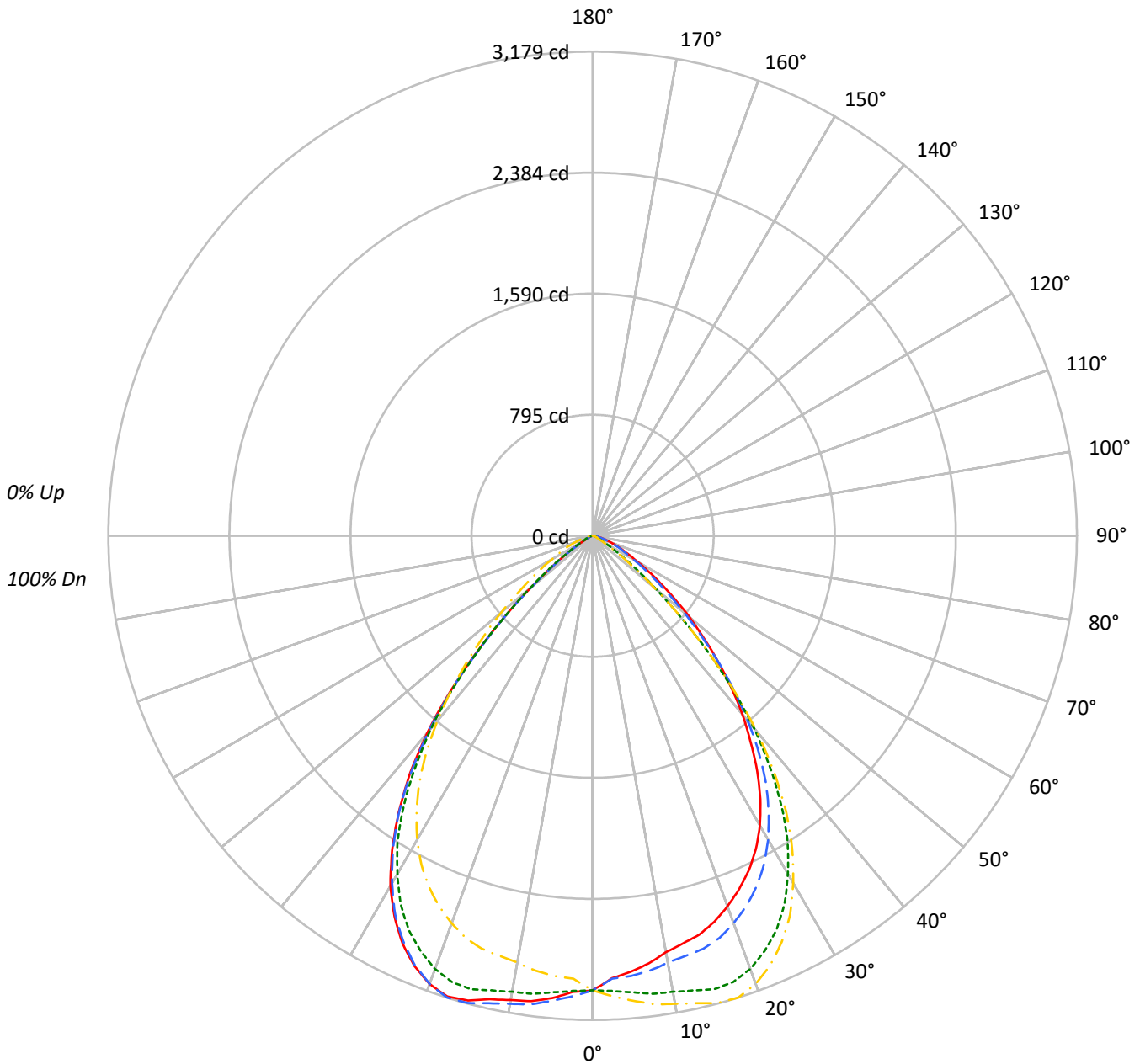
Input Watts (W): 43  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	163611	163611	163611	163611
5°	158111	165573	167675	165573
10°	154528	169230	172319	169230
15°	153803	174905	179241	174905
20°	151003	176538	182623	176538
25°	146688	172746	178631	172746
30°	138996	162310	168026	162310
35°	126023	144621	148576	144621
40°	109405	117857	120834	117857
45°	89699	81342	81884	81342
50°	70522	45627	44741	45627
55°	52137	22575	20253	22575
60°	36949	9911	7236	9911
65°	27487	6304	4514	6304
70°	20051	5001	3350	5001
75°	14721	3685	2203	3685
80°	9850	3283	1105	3283
85°	6542	2201	2201	2201



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.7	5.7
10°-20°	846.2	17.0
20°-30°	1262.8	25.3
30°-40°	1297.4	26.0
40°-50°	840.2	16.8
50°-60°	312.4	6.3
60°-70°	102.5	2.1
70°-80°	36.2	0.7
80°-90°	6.5	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°	2394.7	48.0
0°-40°	3692.1	74.0
0°-60°	4844.7	97.1
0°-90°	4989.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4989.9	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2984	2984	2984	2984	2984	
5°	2873	3009	3047	3009	2873	271
15°	2710	3082	3158	3082	2710	762
25°	2425	2856	2953	2856	2425	1111
35°	1883	2161	2220	2161	1883	1169
45°	1157	1049	1056	1049	1157	895
55°	546	236	212	236	546	497
65°	212	49	35	49	212	215
75°	70	17	10	17	70	76
85°	10	4	4	4	10	14
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°	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5
2.5°	2908.0	2949.8	2922.0	2939.4	2911.5	2911.5	2967.1	2935.9	2960.1	2935.9	2911.5
5°	2873.2	2925.4	2890.6	2908.0	2883.8	2887.2	2939.4	2915.0	2939.4	2922.0	2901.1
7.5°	2831.6	2883.8	2852.5	2869.9	2845.5	2852.5	2908.0	2883.8	2911.5	2894.1	2880.2
10°	2776.0	2831.6	2803.9	2821.1	2800.4	2803.9	2859.4	2842.0	2866.4	2855.9	2845.5
12.5°	2741.2	2793.4	2762.1	2779.5	2765.6	2772.5	2824.6	2810.8	2842.0	2831.6	2824.6
15°	2710.0	2758.6	2730.9	2748.2	2737.8	2741.2	2796.9	2783.0	2817.8	2810.8	2807.2
17.5°	2657.9	2710.0	2678.8	2699.6	2689.1	2692.6	2748.2	2737.8	2772.5	2772.5	2769.1
20°	2588.4	2640.5	2616.2	2630.1	2623.1	2630.1	2678.8	2671.8	2706.5	2706.5	2706.5
22.5°	2512.0	2564.1	2536.2	2550.1	2543.2	2553.6	2598.9	2598.9	2626.6	2630.1	2633.6
25°	2425.1	2477.2	2449.4	2466.8	2459.9	2466.8	2508.5	2512.0	2536.2	2536.2	2543.2
27.5°	2320.9	2373.0	2345.2	2359.1	2355.6	2359.1	2404.2	2411.2	2425.1	2428.6	2435.5
30°	2195.8	2244.5	2216.6	2230.5	2230.5	2230.5	2275.8	2279.1	2293.1	2296.5	2303.5
32.5°	2049.9	2091.6	2070.8	2084.6	2081.1	2088.1	2119.4	2133.2	2150.6	2147.1	2150.6
35°	1883.1	1928.2	1907.4	1917.9	1921.4	1931.8	1952.6	1970.0	1973.5	1976.9	1983.9
37.5°	1702.5	1747.6	1726.8	1737.1	1740.6	1761.5	1768.5	1785.9	1792.8	1792.8	1792.8
40°	1528.8	1549.6	1532.2	1542.6	1546.1	1563.5	1570.4	1584.2	1591.2	1587.8	1584.2
42.5°	1341.1	1358.5	1341.1	1351.5	1351.5	1365.4	1368.9	1386.2	1386.2	1379.4	1368.9
45°	1157.0	1174.4	1157.0	1163.9	1163.9	1177.8	1177.8	1177.8	1184.8	1174.4	1157.0
47.5°	983.2	1000.6	983.2	990.2	986.8	997.1	993.6	997.1	986.8	979.8	958.9
50°	826.9	833.9	826.9	823.4	826.9	833.9	830.4	830.4	816.5	806.0	781.8
52.5°	674.0	684.5	674.0	674.0	674.0	681.0	681.0	677.5	663.6	649.8	625.4
55°	545.5	552.4	549.0	545.5	545.5	552.4	545.5	545.5	531.6	521.1	496.9
57.5°	434.2	437.8	434.2	434.2	434.2	437.8	437.8	430.9	420.4	410.0	392.6
60°	337.0	340.5	340.5	337.0	337.0	344.0	344.0	340.5	330.1	323.1	305.8
62.5°	267.5	267.5	267.5	267.5	267.5	271.0	271.0	271.0	264.0	257.1	243.2
65°	211.9	215.4	211.9	211.9	215.4	218.9	215.4	218.9	211.9	208.5	198.0
67.5°	163.2	166.8	163.2	166.8	166.8	170.2	166.8	170.2	163.2	159.9	152.9
70°	125.1	125.1	125.1	125.1	125.1	128.5	125.1	128.5	125.1	121.6	114.6
72.5°	93.8	93.8	97.2	97.2	93.8	97.2	93.8	93.8	93.8	90.4	86.9
75°	69.5	69.5	73.0	69.5	69.5	69.5	69.5	69.5	66.0	66.0	62.5
77.5°	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	45.1	45.1	41.8
80°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	27.8	27.8
82.5°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	17.4	17.4
85°	10.4	10.4	10.4	13.9	10.4	10.4	10.4	10.4	10.4	10.4	10.4
87.5°	3.5	3.5	3.5	7.0	3.5	3.5	7.0	7.0	3.5	3.5	3.5
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°	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5
2.5°	2939.4	2949.8	2949.8	2939.4	2963.6	2942.8	2984.5	2946.2	2956.8	2991.4	2988.0
5°	2928.9	2942.8	2946.2	2939.4	2970.6	2953.2	2994.9	2956.8	2974.0	3008.8	3008.8
7.5°	2915.0	2932.4	2939.4	2946.2	2974.0	2956.8	3005.4	2967.1	2991.4	3033.1	3029.6
10°	2883.8	2908.0	2922.0	2932.4	2960.1	2949.8	3001.9	2970.6	2991.4	3040.1	3036.6
12.5°	2866.4	2894.1	2915.0	2932.4	2963.6	2956.8	3008.8	2981.0	3008.8	3057.5	3057.5
15°	2852.5	2883.8	2908.0	2939.4	2970.6	2963.6	3019.2	2994.9	3022.8	3081.8	3078.2
17.5°	2817.8	2855.9	2880.2	2915.0	2946.2	2942.8	3001.9	2984.5	3015.8	3071.4	3074.9
20°	2758.6	2793.4	2821.1	2862.9	2897.6	2890.6	2953.2	2935.9	2967.1	3026.1	3029.6
22.5°	2682.2	2717.0	2744.8	2789.9	2821.1	2817.8	2880.2	2862.9	2894.1	2949.8	2953.2
25°	2591.9	2623.1	2651.0	2692.6	2727.4	2727.4	2783.0	2765.6	2800.4	2855.9	2855.9
27.5°	2480.8	2508.5	2532.9	2581.5	2609.2	2609.2	2661.4	2644.0	2678.8	2727.4	2723.9
30°	2345.2	2369.5	2390.4	2432.0	2456.4	2459.9	2505.0	2487.6	2522.4	2564.1	2564.1
32.5°	2181.9	2206.2	2220.1	2272.2	2289.6	2286.1	2320.9	2303.5	2338.2	2383.4	2373.0
35°	2008.1	2018.6	2029.0	2081.1	2088.1	2074.2	2109.0	2091.6	2115.9	2161.0	2154.1
37.5°	1810.1	1813.6	1813.6	1858.8	1862.2	1851.9	1872.6	1851.9	1869.2	1910.9	1907.4
40°	1591.2	1587.8	1584.2	1619.0	1615.6	1594.8	1608.6	1591.2	1615.6	1646.9	1629.5
42.5°	1368.9	1358.5	1344.6	1362.0	1348.0	1330.6	1337.6	1309.9	1327.2	1351.5	1330.6
45°	1150.0	1129.1	1101.4	1104.9	1087.5	1066.6	1056.2	1028.4	1025.0	1049.2	1031.9
47.5°	945.0	903.4	879.0	865.1	837.4	820.0	799.1	767.9	754.0	767.9	750.5
50°	760.9	719.2	687.9	656.6	628.9	608.0	573.2	552.4	531.6	535.0	521.1
52.5°	601.1	573.2	521.1	496.9	469.0	444.8	413.5	389.1	364.8	364.8	350.9
55°	476.0	437.8	403.0	368.2	340.5	319.6	288.4	264.0	239.8	236.2	222.4
57.5°	368.2	340.5	302.2	267.5	250.1	229.2	198.0	170.2	156.4	145.9	135.5
60°	284.9	257.1	225.9	198.0	177.2	163.2	132.0	111.1	97.2	90.4	79.9
62.5°	229.2	205.0	177.2	149.4	135.5	121.6	97.2	79.9	66.0	59.1	52.1
65°	184.1	163.2	142.5	121.6	111.1	97.2	79.9	66.0	55.6	48.6	41.8
67.5°	142.5	128.5	111.1	97.2	86.9	76.4	62.5	52.1	45.1	38.2	34.8
70°	107.8	97.2	86.9	73.0	66.0	59.1	48.6	38.2	34.8	31.2	27.8
72.5°	83.4	73.0	62.5	55.6	48.6	45.1	38.2	31.2	27.8	24.4	20.9
75°	55.6	52.1	45.1	38.2	34.8	31.2	27.8	24.4	20.9	17.4	17.4
77.5°	38.2	34.8	31.2	27.8	24.4	24.4	20.9	17.4	13.9	13.9	10.4
80°	24.4	20.9	20.9	17.4	17.4	17.4	13.9	10.4	10.4	10.4	7.0
82.5°	17.4	13.9	13.9	10.4	10.4	10.4	10.4	7.0	7.0	7.0	3.5
85°	10.4	7.0	7.0	7.0	7.0	7.0	7.0	3.5	3.5	3.5	3.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	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°	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5
2.5°	2960.1	2991.4	2991.4	3019.2	3022.8	3015.8	2984.5	2984.5	3026.1	3050.5	3008.8
5°	2988.0	3019.2	3019.2	3047.0	3060.9	3050.5	3019.2	3022.8	3064.4	3092.2	3050.5
7.5°	3012.2	3043.5	3050.5	3081.8	3092.2	3081.8	3050.5	3057.5	3102.6	3126.9	3085.2
10°	3022.8	3054.0	3057.5	3092.2	3106.1	3092.2	3067.9	3071.4	3120.0	3137.4	3099.1
12.5°	3047.0	3078.2	3078.2	3116.5	3130.4	3120.0	3088.8	3095.6	3144.2	3161.6	3123.5
15°	3071.4	3102.6	3102.6	3144.2	3161.6	3147.8	3123.5	3126.9	3175.6	3193.0	3161.6
17.5°	3071.4	3099.1	3099.1	3144.2	3161.6	3151.2	3123.5	3126.9	3179.0	3193.0	3161.6
20°	3026.1	3057.5	3050.5	3095.6	3113.0	3102.6	3078.2	3078.2	3130.4	3144.2	3113.0
22.5°	2953.2	2981.0	2974.0	3015.8	3036.6	3022.8	3001.9	2998.4	3050.5	3064.4	3033.1
25°	2852.5	2880.2	2873.2	2915.0	2935.9	2918.5	2894.1	2897.6	2939.4	2960.1	2932.4
27.5°	2734.4	2751.8	2741.2	2783.0	2803.9	2786.5	2762.1	2765.6	2807.2	2821.1	2800.4
30°	2574.5	2588.4	2578.0	2612.8	2626.6	2616.2	2595.4	2595.4	2633.6	2651.0	2630.1
32.5°	2383.4	2393.9	2383.4	2411.2	2439.0	2418.1	2397.4	2397.4	2439.0	2452.9	2428.6
35°	2161.0	2171.5	2164.5	2192.4	2213.1	2185.4	2168.0	2161.0	2216.6	2209.8	2195.8
37.5°	1914.4	1921.4	1900.5	1949.1	1959.5	1928.2	1914.4	1907.4	1956.1	1952.6	1938.8
40°	1636.4	1643.4	1629.5	1664.2	1667.8	1643.4	1633.0	1622.5	1671.1	1667.8	1657.2
42.5°	1341.1	1344.6	1327.2	1355.0	1362.0	1337.6	1334.1	1320.2	1365.4	1358.5	1355.0
45°	1035.4	1035.4	1021.5	1042.2	1049.2	1028.4	1021.5	1018.0	1049.2	1049.2	1042.2
47.5°	750.5	740.0	722.6	754.0	757.4	743.5	740.0	729.6	760.9	760.9	754.0
50°	514.2	510.8	507.2	514.2	517.6	500.2	510.8	500.2	517.6	517.6	517.6
52.5°	344.0	340.5	333.5	340.5	340.5	330.1	330.1	326.6	340.5	340.5	333.5
55°	215.4	211.9	208.5	211.9	211.9	201.5	208.5	201.5	208.5	208.5	205.0
57.5°	132.0	125.1	125.1	121.6	121.6	114.6	118.1	118.1	118.1	118.1	118.1
60°	76.4	73.0	69.5	69.5	69.5	66.0	66.0	66.0	66.0	66.0	66.0
62.5°	48.6	48.6	45.1	45.1	45.1	45.1	45.1	41.8	45.1	45.1	45.1
65°	41.8	38.2	38.2	38.2	38.2	34.8	34.8	34.8	34.8	34.8	34.8
67.5°	34.8	31.2	31.2	31.2	31.2	27.8	27.8	27.8	27.8	27.8	27.8
70°	27.8	24.4	24.4	24.4	24.4	24.4	20.9	24.4	24.4	20.9	20.9
72.5°	20.9	20.9	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
75°	13.9	13.9	13.9	13.9	13.9	10.4	10.4	10.4	10.4	10.4	10.4
77.5°	10.4	10.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
80°	7.0	7.0	7.0	7.0	7.0	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	3.5	3.5	3.5	3.5	3.5	0.0	3.5	0.0	3.5	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: P212823

CATALOG NUMBER: LE\_6B40D010 EC6B30508030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5
2.5°	3057.5	3022.8	3005.4	3040.1	3054.0	3036.6	3022.8	2998.4	3022.8	3036.6	3054.0
5°	3099.1	3067.9	3054.0	3078.2	3099.1	3081.8	3071.4	3047.0	3071.4	3081.8	3099.1
7.5°	3137.4	3106.1	3088.8	3113.0	3137.4	3113.0	3102.6	3081.8	3102.6	3113.0	3137.4
10°	3151.2	3116.5	3102.6	3123.5	3147.8	3123.5	3109.5	3095.6	3109.5	3123.5	3147.8
12.5°	3175.6	3140.9	3123.5	3140.9	3165.1	3140.9	3126.9	3116.5	3126.9	3140.9	3165.1
15°	3210.4	3179.0	3158.2	3175.6	3206.9	3179.0	3161.6	3158.2	3161.6	3179.0	3206.9
17.5°	3210.4	3186.0	3165.1	3179.0	3210.4	3189.5	3165.1	3172.1	3165.1	3189.5	3210.4
20°	3165.1	3140.9	3123.5	3123.5	3168.6	3140.9	3120.0	3130.4	3120.0	3140.9	3168.6
22.5°	3085.2	3064.4	3047.0	3043.5	3088.8	3064.4	3036.6	3057.5	3036.6	3064.4	3088.8
25°	2981.0	2960.1	2946.2	2939.4	2984.5	2956.8	2932.4	2953.2	2932.4	2956.8	2984.5
27.5°	2845.5	2828.1	2814.2	2803.9	2845.5	2821.1	2796.9	2817.8	2796.9	2821.1	2845.5
30°	2671.8	2661.4	2647.5	2633.6	2675.2	2651.0	2626.6	2654.4	2626.6	2651.0	2675.2
32.5°	2470.2	2463.4	2446.0	2432.0	2473.8	2446.0	2428.6	2449.4	2428.6	2446.0	2473.8
35°	2237.5	2227.1	2216.6	2192.4	2237.5	2213.1	2213.1	2220.1	2213.1	2213.1	2237.5
37.5°	1976.9	1970.0	1956.1	1935.2	1973.5	1956.1	1949.1	1970.0	1949.1	1956.1	1973.5
40°	1685.1	1681.6	1671.1	1646.9	1688.5	1671.1	1660.8	1688.5	1660.8	1671.1	1688.5
42.5°	1379.4	1372.4	1362.0	1358.5	1379.4	1365.4	1375.9	1375.9	1375.9	1365.4	1379.4
45°	1063.1	1056.2	1049.2	1035.4	1059.6	1052.8	1049.2	1056.2	1049.2	1052.8	1059.6
47.5°	771.2	764.4	757.4	747.0	771.2	760.9	760.9	767.9	760.9	760.9	771.2
50°	517.6	521.1	517.6	510.8	517.6	514.2	517.6	524.6	517.6	514.2	517.6
52.5°	344.0	344.0	337.0	333.5	340.5	337.0	347.4	340.5	347.4	337.0	340.5
55°	208.5	211.9	208.5	205.0	208.5	205.0	215.4	211.9	215.4	205.0	208.5
57.5°	118.1	118.1	121.6	118.1	125.1	121.6	121.6	121.6	121.6	121.6	125.1
60°	66.0	66.0	66.0	66.0	66.0	66.0	69.5	66.0	69.5	66.0	66.0
62.5°	45.1	45.1	45.1	41.8	45.1	41.8	45.1	45.1	45.1	41.8	45.1
65°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8
67.5°	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8
70°	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.9
72.5°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
75°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.5	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: P212823

CATALOG NUMBER: LE\_6B40D010 EC6B30508030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5
2.5°	3040.1	3005.4	3022.8	3057.5	3008.8	3050.5	3026.1	2984.5	2984.5	3015.8	3022.8
5°	3078.2	3054.0	3067.9	3099.1	3050.5	3092.2	3064.4	3022.8	3019.2	3050.5	3060.9
7.5°	3113.0	3088.8	3106.1	3137.4	3085.2	3126.9	3102.6	3057.5	3050.5	3081.8	3092.2
10°	3123.5	3102.6	3116.5	3151.2	3099.1	3137.4	3120.0	3071.4	3067.9	3092.2	3106.1
12.5°	3140.9	3123.5	3140.9	3175.6	3123.5	3161.6	3144.2	3095.6	3088.8	3120.0	3130.4
15°	3175.6	3158.2	3179.0	3210.4	3161.6	3193.0	3175.6	3126.9	3123.5	3147.8	3161.6
17.5°	3179.0	3165.1	3186.0	3210.4	3161.6	3193.0	3179.0	3126.9	3123.5	3151.2	3161.6
20°	3123.5	3123.5	3140.9	3165.1	3113.0	3144.2	3130.4	3078.2	3078.2	3102.6	3113.0
22.5°	3043.5	3047.0	3064.4	3085.2	3033.1	3064.4	3050.5	2998.4	3001.9	3022.8	3036.6
25°	2939.4	2946.2	2960.1	2981.0	2932.4	2960.1	2939.4	2897.6	2894.1	2918.5	2935.9
27.5°	2803.9	2814.2	2828.1	2845.5	2800.4	2821.1	2807.2	2765.6	2762.1	2786.5	2803.9
30°	2633.6	2647.5	2661.4	2671.8	2630.1	2651.0	2633.6	2595.4	2595.4	2616.2	2626.6
32.5°	2432.0	2446.0	2463.4	2470.2	2428.6	2452.9	2439.0	2397.4	2397.4	2418.1	2439.0
35°	2192.4	2216.6	2227.1	2237.5	2195.8	2209.8	2216.6	2161.0	2168.0	2185.4	2213.1
37.5°	1935.2	1956.1	1970.0	1976.9	1938.8	1952.6	1956.1	1907.4	1914.4	1928.2	1959.5
40°	1646.9	1671.1	1681.6	1685.1	1657.2	1667.8	1671.1	1622.5	1633.0	1643.4	1667.8
42.5°	1358.5	1362.0	1372.4	1379.4	1355.0	1358.5	1365.4	1320.2	1334.1	1337.6	1362.0
45°	1035.4	1049.2	1056.2	1063.1	1042.2	1049.2	1049.2	1018.0	1021.5	1028.4	1049.2
47.5°	747.0	757.4	764.4	771.2	754.0	760.9	760.9	729.6	740.0	743.5	757.4
50°	510.8	517.6	521.1	517.6	517.6	517.6	517.6	500.2	510.8	500.2	517.6
52.5°	333.5	337.0	344.0	344.0	333.5	340.5	340.5	326.6	330.1	330.1	340.5
55°	205.0	208.5	211.9	208.5	205.0	208.5	208.5	201.5	208.5	201.5	211.9
57.5°	118.1	121.6	118.1	118.1	118.1	118.1	118.1	118.1	118.1	114.6	121.6
60°	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	69.5
62.5°	41.8	45.1	45.1	45.1	45.1	45.1	45.1	41.8	45.1	45.1	45.1
65°	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	34.8	38.2
67.5°	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	27.8	31.2
70°	20.9	20.9	20.9	20.9	20.9	20.9	24.4	24.4	20.9	24.4	24.4
72.5°	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4
75°	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4	13.9
77.5°	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.0
82.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	0.0	3.5	0.0	3.5
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: P212823

CATALOG NUMBER: LE\_6B40D010 EC6B30508030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5
2.5°	3019.2	2991.4	2991.4	2960.1	2988.0	2991.4	2956.8	2946.2	2984.5	2942.8	2963.6
5°	3047.0	3019.2	3019.2	2988.0	3008.8	3008.8	2974.0	2956.8	2994.9	2953.2	2970.6
7.5°	3081.8	3050.5	3043.5	3012.2	3029.6	3033.1	2991.4	2967.1	3005.4	2956.8	2974.0
10°	3092.2	3057.5	3054.0	3022.8	3036.6	3040.1	2991.4	2970.6	3001.9	2949.8	2960.1
12.5°	3116.5	3078.2	3078.2	3047.0	3057.5	3057.5	3008.8	2981.0	3008.8	2956.8	2963.6
15°	3144.2	3102.6	3102.6	3071.4	3078.2	3081.8	3022.8	2994.9	3019.2	2963.6	2970.6
17.5°	3144.2	3099.1	3099.1	3071.4	3074.9	3071.4	3015.8	2984.5	3001.9	2942.8	2946.2
20°	3095.6	3050.5	3057.5	3026.1	3029.6	3026.1	2967.1	2935.9	2953.2	2890.6	2897.6
22.5°	3015.8	2974.0	2981.0	2953.2	2953.2	2949.8	2894.1	2862.9	2880.2	2817.8	2821.1
25°	2915.0	2873.2	2880.2	2852.5	2855.9	2855.9	2800.4	2765.6	2783.0	2727.4	2727.4
27.5°	2783.0	2741.2	2751.8	2734.4	2723.9	2727.4	2678.8	2644.0	2661.4	2609.2	2609.2
30°	2612.8	2578.0	2588.4	2574.5	2564.1	2564.1	2522.4	2487.6	2505.0	2459.9	2456.4
32.5°	2411.2	2383.4	2393.9	2383.4	2373.0	2383.4	2338.2	2303.5	2320.9	2286.1	2289.6
35°	2192.4	2164.5	2171.5	2161.0	2154.1	2161.0	2115.9	2091.6	2109.0	2074.2	2088.1
37.5°	1949.1	1900.5	1921.4	1914.4	1907.4	1910.9	1869.2	1851.9	1872.6	1851.9	1862.2
40°	1664.2	1629.5	1643.4	1636.4	1629.5	1646.9	1615.6	1591.2	1608.6	1594.8	1615.6
42.5°	1355.0	1327.2	1344.6	1341.1	1330.6	1351.5	1327.2	1309.9	1337.6	1330.6	1348.0
45°	1042.2	1021.5	1035.4	1035.4	1031.9	1049.2	1025.0	1028.4	1056.2	1066.6	1087.5
47.5°	754.0	722.6	740.0	750.5	750.5	767.9	754.0	767.9	799.1	820.0	837.4
50°	514.2	507.2	510.8	514.2	521.1	535.0	531.6	552.4	573.2	608.0	628.9
52.5°	340.5	333.5	340.5	344.0	350.9	364.8	364.8	389.1	413.5	444.8	469.0
55°	211.9	208.5	211.9	215.4	222.4	236.2	239.8	264.0	288.4	319.6	340.5
57.5°	121.6	125.1	125.1	132.0	135.5	145.9	156.4	170.2	198.0	229.2	250.1
60°	69.5	69.5	73.0	76.4	79.9	90.4	97.2	111.1	132.0	163.2	177.2
62.5°	45.1	45.1	48.6	48.6	52.1	59.1	66.0	79.9	97.2	121.6	135.5
65°	38.2	38.2	38.2	41.8	41.8	48.6	55.6	66.0	79.9	97.2	111.1
67.5°	31.2	31.2	31.2	34.8	34.8	38.2	45.1	52.1	62.5	76.4	86.9
70°	24.4	24.4	24.4	27.8	27.8	31.2	34.8	38.2	48.6	59.1	66.0
72.5°	17.4	17.4	20.9	20.9	20.9	24.4	27.8	31.2	38.2	45.1	48.6
75°	13.9	13.9	13.9	13.9	17.4	17.4	20.9	24.4	27.8	31.2	34.8
77.5°	7.0	7.0	10.4	10.4	10.4	13.9	13.9	17.4	20.9	24.4	24.4
80°	7.0	7.0	7.0	7.0	7.0	10.4	10.4	10.4	13.9	17.4	17.4
82.5°	3.5	3.5	3.5	3.5	3.5	7.0	7.0	7.0	10.4	10.4	10.4
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.0	7.0	7.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	3.5	3.5	3.5	3.5
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: P212823

CATALOG NUMBER: LE\_6B40D010 EC6B30508030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5	2984.5
2.5°	2939.4	2949.8	2949.8	2939.4	2911.5	2935.9	2960.1	2935.9	2967.1	2911.5	2911.5
5°	2939.4	2946.2	2942.8	2928.9	2901.1	2922.0	2939.4	2915.0	2939.4	2887.2	2883.8
7.5°	2946.2	2939.4	2932.4	2915.0	2880.2	2894.1	2911.5	2883.8	2908.0	2852.5	2845.5
10°	2932.4	2922.0	2908.0	2883.8	2845.5	2855.9	2866.4	2842.0	2859.4	2803.9	2800.4
12.5°	2932.4	2915.0	2894.1	2866.4	2824.6	2831.6	2842.0	2810.8	2824.6	2772.5	2765.6
15°	2939.4	2908.0	2883.8	2852.5	2807.2	2810.8	2817.8	2783.0	2796.9	2741.2	2737.8
17.5°	2915.0	2880.2	2855.9	2817.8	2769.1	2772.5	2772.5	2737.8	2748.2	2692.6	2689.1
20°	2862.9	2821.1	2793.4	2758.6	2706.5	2706.5	2706.5	2671.8	2678.8	2630.1	2623.1
22.5°	2789.9	2744.8	2717.0	2682.2	2633.6	2630.1	2626.6	2598.9	2598.9	2553.6	2543.2
25°	2692.6	2651.0	2623.1	2591.9	2543.2	2536.2	2536.2	2512.0	2508.5	2466.8	2459.9
27.5°	2581.5	2532.9	2508.5	2480.8	2435.5	2428.6	2425.1	2411.2	2404.2	2359.1	2355.6
30°	2432.0	2390.4	2369.5	2345.2	2303.5	2296.5	2293.1	2279.1	2275.8	2230.5	2230.5
32.5°	2272.2	2220.1	2206.2	2181.9	2150.6	2147.1	2150.6	2133.2	2119.4	2088.1	2081.1
35°	2081.1	2029.0	2018.6	2008.1	1983.9	1976.9	1973.5	1970.0	1952.6	1931.8	1921.4
37.5°	1858.8	1813.6	1813.6	1810.1	1792.8	1792.8	1792.8	1785.9	1768.5	1761.5	1740.6
40°	1619.0	1584.2	1587.8	1591.2	1584.2	1587.8	1591.2	1584.2	1570.4	1563.5	1546.1
42.5°	1362.0	1344.6	1358.5	1368.9	1368.9	1379.4	1386.2	1386.2	1368.9	1365.4	1351.5
45°	1104.9	1101.4	1129.1	1150.0	1157.0	1174.4	1184.8	1177.8	1177.8	1177.8	1163.9
47.5°	865.1	879.0	903.4	945.0	958.9	979.8	986.8	997.1	993.6	997.1	986.8
50°	656.6	687.9	719.2	760.9	781.8	806.0	816.5	830.4	830.4	833.9	826.9
52.5°	496.9	521.1	573.2	601.1	625.4	649.8	663.6	677.5	681.0	681.0	674.0
55°	368.2	403.0	437.8	476.0	496.9	521.1	531.6	545.5	545.5	552.4	545.5
57.5°	267.5	302.2	340.5	368.2	392.6	410.0	420.4	430.9	437.8	437.8	434.2
60°	198.0	225.9	257.1	284.9	305.8	323.1	330.1	340.5	344.0	344.0	337.0
62.5°	149.4	177.2	205.0	229.2	243.2	257.1	264.0	271.0	271.0	271.0	267.5
65°	121.6	142.5	163.2	184.1	198.0	208.5	211.9	218.9	215.4	218.9	215.4
67.5°	97.2	111.1	128.5	142.5	152.9	159.9	163.2	170.2	166.8	170.2	166.8
70°	73.0	86.9	97.2	107.8	114.6	121.6	125.1	128.5	125.1	128.5	125.1
72.5°	55.6	62.5	73.0	83.4	86.9	90.4	93.8	93.8	93.8	97.2	93.8
75°	38.2	45.1	52.1	55.6	62.5	66.0	66.0	69.5	69.5	69.5	69.5
77.5°	27.8	31.2	34.8	38.2	41.8	45.1	45.1	48.6	48.6	48.6	48.6
80°	17.4	20.9	20.9	24.4	27.8	27.8	31.2	31.2	31.2	31.2	31.2
82.5°	10.4	13.9	13.9	17.4	17.4	17.4	20.9	20.9	20.9	20.9	20.9
85°	7.0	7.0	7.0	10.4	10.4	10.4	10.4	10.4	10.4	10.4	10.4
87.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	7.0	7.0	3.5	3.5
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: P212823

CATALOG NUMBER: LE\_6B40D010 EC6B30508030 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	2984.5	2984.5	2984.5	2984.5
2.5°	2939.4	2922.0	2949.8	2908.0
5°	2908.0	2890.6	2925.4	2873.2
7.5°	2869.9	2852.5	2883.8	2831.6
10°	2821.1	2803.9	2831.6	2776.0
12.5°	2779.5	2762.1	2793.4	2741.2
15°	2748.2	2730.9	2758.6	2710.0
17.5°	2699.6	2678.8	2710.0	2657.9
20°	2630.1	2616.2	2640.5	2588.4
22.5°	2550.1	2536.2	2564.1	2512.0
25°	2466.8	2449.4	2477.2	2425.1
27.5°	2359.1	2345.2	2373.0	2320.9
30°	2230.5	2216.6	2244.5	2195.8
32.5°	2084.6	2070.8	2091.6	2049.9
35°	1917.9	1907.4	1928.2	1883.1
37.5°	1737.1	1726.8	1747.6	1702.5
40°	1542.6	1532.2	1549.6	1528.8
42.5°	1351.5	1341.1	1358.5	1341.1
45°	1163.9	1157.0	1174.4	1157.0
47.5°	990.2	983.2	1000.6	983.2
50°	823.4	826.9	833.9	826.9
52.5°	674.0	674.0	684.5	674.0
55°	545.5	549.0	552.4	545.5
57.5°	434.2	434.2	437.8	434.2
60°	337.0	340.5	340.5	337.0
62.5°	267.5	267.5	267.5	267.5
65°	211.9	211.9	215.4	211.9
67.5°	166.8	163.2	166.8	163.2
70°	125.1	125.1	125.1	125.1
72.5°	97.2	97.2	93.8	93.8
75°	69.5	73.0	69.5	69.5
77.5°	48.6	48.6	48.6	48.6
80°	31.2	31.2	31.2	31.2
82.5°	20.9	20.9	20.9	20.9
85°	13.9	10.4	10.4	10.4
87.5°	7.0	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0



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

























(END OF REPORT)