

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: P212822

Luminaire Tested: **LE_6B40D010 EC6B30508027 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212822
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 EC6B30508027 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4773.2 lumens
Efficiency: N/A
Efficacy: 111.0 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

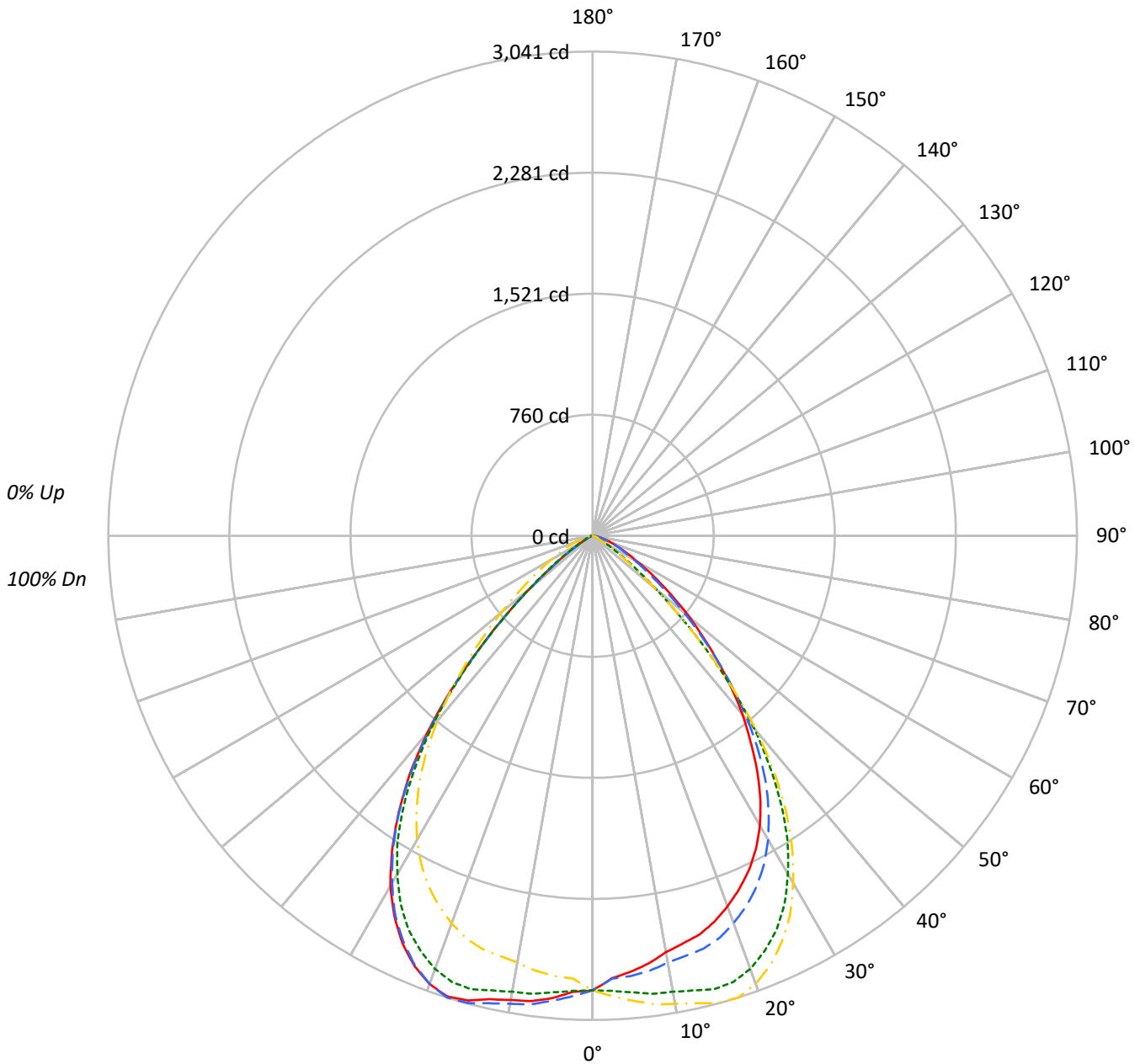
Input Watts (W): 43
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				
RC	80				70				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			100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	96	95	94	93	91			91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82			82
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73			73
4	92	83	76	71	90	82	75	70	79	74	70	77	73	69	75	71	68	66			66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60			60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54			54
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49			49
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			45
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42			42
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			38

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	156506	156506	156506	156506
5°	151249	158381	160400	158381
10°	147821	161882	164838	161882
15°	147129	167311	171460	167311
20°	144446	168878	174694	168878
25°	140325	165251	170877	165251
30°	132963	155264	160727	155264
35°	120555	138343	142131	138343
40°	104653	112740	115588	112740
45°	85807	77822	78334	77822
50°	67460	43657	42805	43657
55°	49872	21600	19383	21600
60°	35348	9473	6918	9473
65°	26306	6032	4307	6032
70°	19170	4792	3206	4792
75°	14085	3516	2118	3516
80°	9439	3157	1073	3157
85°	6290	2139	2139	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.3	5.7
10°-20°	809.5	17.0
20°-30°	1208.0	25.3
30°-40°	1241.1	26.0
40°-50°	803.7	16.8
50°-60°	298.9	6.3
60°-70°	98.0	2.1
70°-80°	34.6	0.7
80°-90°	6.2	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°	2290.7	48.0
0°-40°	3531.8	74.0
0°-60°	4634.4	97.1
0°-90°	4773.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4773.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2855	2855	2855	2855	2855	
5°	2748	2878	2915	2878	2748	260
15°	2592	2948	3021	2948	2592	729
25°	2320	2732	2825	2732	2320	1063
35°	1801	2067	2124	2067	1801	1118
45°	1107	1004	1010	1004	1107	856
55°	522	226	203	226	522	476
65°	203	46	33	46	203	206
75°	66	17	10	17	66	73
85°	10	3	3	3	10	13
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°	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9
2.5°	2781.8	2821.6	2795.1	2811.8	2785.1	2785.1	2838.2	2808.4	2831.6	2808.4	2785.1
5°	2748.5	2798.4	2765.1	2781.8	2758.5	2761.9	2811.8	2788.5	2811.8	2795.1	2775.1
7.5°	2708.6	2758.5	2728.6	2745.2	2722.0	2728.6	2781.8	2758.5	2785.1	2768.5	2755.2
10°	2655.5	2708.6	2682.1	2698.8	2678.8	2682.1	2735.2	2718.6	2741.9	2732.0	2722.0
12.5°	2622.2	2672.1	2642.2	2658.9	2645.5	2652.1	2702.0	2688.8	2718.6	2708.6	2702.0
15°	2592.4	2638.9	2612.2	2628.9	2619.0	2622.2	2675.5	2662.1	2695.4	2688.8	2685.4
17.5°	2542.5	2592.4	2562.5	2582.4	2572.4	2575.8	2628.9	2619.0	2652.1	2652.1	2648.9
20°	2476.0	2525.9	2502.6	2515.9	2509.2	2515.9	2562.5	2555.8	2589.0	2589.0	2589.0
22.5°	2402.9	2452.8	2426.1	2439.5	2432.9	2442.8	2486.0	2486.0	2512.6	2515.9	2519.2
25°	2319.9	2369.6	2343.1	2359.8	2353.0	2359.8	2399.6	2402.9	2426.1	2426.1	2432.9
27.5°	2220.1	2270.0	2243.4	2256.6	2253.4	2256.6	2299.9	2306.5	2319.9	2323.1	2329.8
30°	2100.5	2147.0	2120.4	2133.8	2133.8	2133.8	2176.9	2180.2	2193.5	2196.9	2203.5
32.5°	1960.9	2000.8	1980.9	1994.1	1990.8	1997.5	2027.4	2040.6	2057.2	2054.0	2057.2
35°	1801.4	1844.5	1824.6	1834.6	1837.9	1847.9	1867.9	1884.5	1887.8	1891.1	1897.8
37.5°	1628.5	1671.8	1651.8	1661.8	1665.1	1685.0	1691.6	1708.2	1715.0	1715.0	1715.0
40°	1462.4	1482.2	1465.6	1475.6	1479.0	1495.6	1502.2	1515.5	1522.1	1518.9	1515.5
42.5°	1282.9	1299.5	1282.9	1292.9	1292.9	1306.1	1309.5	1326.1	1326.1	1319.5	1309.5
45°	1106.8	1123.4	1106.8	1113.4	1113.4	1126.6	1126.6	1126.6	1133.4	1123.4	1106.8
47.5°	940.5	957.1	940.5	947.2	943.9	953.9	950.5	953.9	943.9	937.2	917.2
50°	791.0	797.6	791.0	787.6	791.0	797.6	794.4	794.4	781.0	771.0	747.8
52.5°	644.8	654.8	644.8	644.8	644.8	651.4	651.4	648.1	634.8	621.5	598.2
55°	521.8	528.5	525.1	521.8	521.8	528.5	521.8	521.8	508.5	498.5	475.2
57.5°	415.5	418.8	415.5	415.5	415.5	418.8	418.8	412.1	402.1	392.1	375.5
60°	322.4	325.8	325.8	322.4	322.4	329.0	329.0	325.8	315.8	309.1	292.5
62.5°	255.9	255.9	255.9	255.9	255.9	259.2	259.2	259.2	252.6	246.0	232.6
65°	202.8	206.0	202.8	202.8	206.0	209.4	206.0	209.4	202.8	199.4	189.5
67.5°	156.2	159.5	156.2	159.5	159.5	162.9	159.5	162.9	156.2	152.9	146.2
70°	119.6	119.6	119.6	119.6	119.6	123.0	119.6	123.0	119.6	116.4	109.6
72.5°	89.8	89.8	93.0	93.0	89.8	93.0	89.8	89.8	89.8	86.4	83.1
75°	66.5	66.5	69.8	66.5	66.5	66.5	66.5	66.5	63.1	63.1	59.9
77.5°	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	43.2	43.2	39.9
80°	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	29.9	26.6	26.6
82.5°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	16.6	16.6
85°	10.0	10.0	10.0	13.2	10.0	10.0	10.0	10.0	10.0	10.0	10.0
87.5°	3.4	3.4	3.4	6.6	3.4	3.4	6.6	6.6	3.4	3.4	3.4
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°	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9
2.5°	2811.8	2821.6	2821.6	2811.8	2835.0	2815.0	2854.9	2818.4	2828.4	2861.5	2858.2
5°	2801.8	2815.0	2818.4	2811.8	2841.6	2825.0	2864.9	2828.4	2845.0	2878.1	2878.1
7.5°	2788.5	2805.0	2811.8	2818.4	2845.0	2828.4	2874.9	2838.2	2861.5	2901.5	2898.1
10°	2758.5	2781.8	2795.1	2805.0	2831.6	2821.6	2871.5	2841.6	2861.5	2908.1	2904.8
12.5°	2741.9	2768.5	2788.5	2805.0	2835.0	2828.4	2878.1	2851.6	2878.1	2924.8	2924.8
15°	2728.6	2758.5	2781.8	2811.8	2841.6	2835.0	2888.1	2864.9	2891.5	2948.0	2944.6
17.5°	2695.4	2732.0	2755.2	2788.5	2818.4	2815.0	2871.5	2854.9	2884.9	2938.0	2941.4
20°	2638.9	2672.1	2698.8	2738.6	2771.9	2765.1	2825.0	2808.4	2838.2	2894.8	2898.1
22.5°	2565.8	2599.0	2625.6	2668.8	2698.8	2695.4	2755.2	2738.6	2768.5	2821.6	2825.0
25°	2479.4	2509.2	2535.9	2575.8	2609.0	2609.0	2662.1	2645.5	2678.8	2732.0	2732.0
27.5°	2373.0	2399.6	2422.9	2469.4	2496.0	2496.0	2545.9	2529.2	2562.5	2609.0	2605.6
30°	2243.4	2266.6	2286.6	2326.5	2349.8	2353.0	2396.2	2379.6	2412.9	2452.8	2452.8
32.5°	2087.1	2110.5	2123.8	2173.6	2190.2	2186.9	2220.1	2203.5	2236.8	2280.0	2270.0
35°	1921.0	1931.0	1941.0	1990.8	1997.5	1984.1	2017.4	2000.8	2024.0	2067.2	2060.6
37.5°	1731.5	1734.9	1734.9	1778.1	1781.4	1771.5	1791.4	1771.5	1788.0	1828.0	1824.6
40°	1522.1	1518.9	1515.5	1548.8	1545.5	1525.5	1538.8	1522.1	1545.5	1575.4	1558.8
42.5°	1309.5	1299.5	1286.2	1302.9	1289.5	1272.9	1279.5	1253.0	1269.6	1292.9	1272.9
45°	1100.1	1080.1	1053.5	1056.9	1040.2	1020.4	1010.4	983.8	980.5	1003.8	987.1
47.5°	904.0	864.1	840.9	827.5	801.0	784.4	764.4	734.5	721.2	734.5	717.9
50°	727.9	688.0	658.0	628.1	601.5	581.6	548.4	528.5	508.5	511.9	498.5
52.5°	575.0	548.4	498.5	475.2	448.6	425.4	395.5	372.2	349.0	349.0	335.6
55°	455.4	418.8	385.5	352.2	325.8	305.8	275.9	252.6	229.4	226.0	212.8
57.5°	352.2	325.8	289.1	255.9	239.2	219.4	189.5	162.9	149.5	139.6	129.6
60°	272.5	246.0	216.0	189.5	169.5	156.2	126.2	106.4	93.0	86.4	76.5
62.5°	219.4	196.1	169.5	142.9	129.6	116.4	93.0	76.5	63.1	56.5	49.9
65°	176.1	156.2	136.2	116.4	106.4	93.0	76.5	63.1	53.1	46.5	39.9
67.5°	136.2	123.0	106.4	93.0	83.1	73.1	59.9	49.9	43.2	36.5	33.2
70°	103.0	93.0	83.1	69.8	63.1	56.5	46.5	36.5	33.2	29.9	26.6
72.5°	79.8	69.8	59.9	53.1	46.5	43.2	36.5	29.9	26.6	23.2	20.0
75°	53.1	49.9	43.2	36.5	33.2	29.9	26.6	23.2	20.0	16.6	16.6
77.5°	36.5	33.2	29.9	26.6	23.2	23.2	20.0	16.6	13.2	13.2	10.0
80°	23.2	20.0	20.0	16.6	16.6	16.6	13.2	10.0	10.0	10.0	6.6
82.5°	16.6	13.2	13.2	10.0	10.0	10.0	10.0	6.6	6.6	6.6	3.4
85°	10.0	6.6	6.6	6.6	6.6	6.6	6.6	3.4	3.4	3.4	3.4
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	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°	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9
2.5°	2831.6	2861.5	2861.5	2888.1	2891.5	2884.9	2854.9	2854.9	2894.8	2918.0	2878.1
5°	2858.2	2888.1	2888.1	2914.8	2928.0	2918.0	2888.1	2891.5	2931.4	2958.0	2918.0
7.5°	2881.5	2911.4	2918.0	2948.0	2958.0	2948.0	2918.0	2924.8	2967.9	2991.1	2951.2
10°	2891.5	2921.4	2924.8	2958.0	2971.2	2958.0	2934.6	2938.0	2984.5	3001.1	2964.6
12.5°	2914.8	2944.6	2944.6	2981.2	2994.5	2984.5	2954.6	2961.2	3007.8	3024.4	2987.9
15°	2938.0	2967.9	2967.9	3007.8	3024.4	3011.1	2987.9	2991.1	3037.8	3054.4	3024.4
17.5°	2938.0	2964.6	2964.6	3007.8	3024.4	3014.5	2987.9	2991.1	3041.0	3054.4	3024.4
20°	2894.8	2924.8	2918.0	2961.2	2977.9	2967.9	2944.6	2944.6	2994.5	3007.8	2977.9
22.5°	2825.0	2851.6	2845.0	2884.9	2904.8	2891.5	2871.5	2868.2	2918.0	2931.4	2901.5
25°	2728.6	2755.2	2748.5	2788.5	2808.4	2791.8	2768.5	2771.9	2811.8	2831.6	2805.0
27.5°	2615.6	2632.2	2622.2	2662.1	2682.1	2665.5	2642.2	2645.5	2685.4	2698.8	2678.8
30°	2462.8	2476.0	2466.0	2499.2	2512.6	2502.6	2482.6	2482.6	2519.2	2535.9	2515.9
32.5°	2280.0	2289.9	2280.0	2306.5	2333.1	2313.1	2293.2	2293.2	2333.1	2346.4	2323.1
35°	2067.2	2077.2	2070.5	2097.1	2117.1	2090.5	2073.9	2067.2	2120.4	2113.8	2100.5
37.5°	1831.2	1837.9	1818.0	1864.5	1874.5	1844.5	1831.2	1824.6	1871.1	1867.9	1854.5
40°	1565.4	1572.0	1558.8	1592.0	1595.2	1572.0	1562.0	1552.1	1598.6	1595.2	1585.4
42.5°	1282.9	1286.2	1269.6	1296.1	1302.9	1279.5	1276.2	1263.0	1306.1	1299.5	1296.1
45°	990.4	990.4	977.1	997.0	1003.8	983.8	977.1	973.8	1003.8	1003.8	997.0
47.5°	717.9	707.9	691.2	721.2	724.5	711.2	707.9	698.0	727.9	727.9	721.2
50°	491.9	488.5	485.2	491.9	495.2	478.6	488.5	478.6	495.2	495.2	495.2
52.5°	329.0	325.8	319.0	325.8	325.8	315.8	315.8	312.4	325.8	325.8	319.0
55°	206.0	202.8	199.4	202.8	202.8	192.8	199.4	192.8	199.4	199.4	196.1
57.5°	126.2	119.6	119.6	116.4	116.4	109.6	113.0	113.0	113.0	113.0	113.0
60°	73.1	69.8	66.5	66.5	66.5	63.1	63.1	63.1	63.1	63.1	63.1
62.5°	46.5	46.5	43.2	43.2	43.2	43.2	43.2	39.9	43.2	43.2	43.2
65°	39.9	36.5	36.5	36.5	36.5	33.2	33.2	33.2	33.2	33.2	33.2
67.5°	33.2	29.9	29.9	29.9	29.9	26.6	26.6	26.6	26.6	26.6	26.6
70°	26.6	23.2	23.2	23.2	23.2	23.2	20.0	23.2	23.2	20.0	20.0
72.5°	20.0	20.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
75°	13.2	13.2	13.2	13.2	13.2	10.0	10.0	10.0	10.0	10.0	10.0
77.5°	10.0	10.0	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	6.6	6.6	6.6	6.6	6.6	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	3.4	3.4	3.4	3.4	3.4	0.0	3.4	0.0	3.4	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: P212822

CATALOG NUMBER: LE_6B40D010 EC6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9
2.5°	2924.8	2891.5	2874.9	2908.1	2921.4	2904.8	2891.5	2868.2	2891.5	2904.8	2921.4
5°	2964.6	2934.6	2921.4	2944.6	2964.6	2948.0	2938.0	2914.8	2938.0	2948.0	2964.6
7.5°	3001.1	2971.2	2954.6	2977.9	3001.1	2977.9	2967.9	2948.0	2967.9	2977.9	3001.1
10°	3014.5	2981.2	2967.9	2987.9	3011.1	2987.9	2974.5	2961.2	2974.5	2987.9	3011.1
12.5°	3037.8	3004.5	2987.9	3004.5	3027.8	3004.5	2991.1	2981.2	2991.1	3004.5	3027.8
15°	3071.0	3041.0	3021.1	3037.8	3067.6	3041.0	3024.4	3021.1	3024.4	3041.0	3067.6
17.5°	3071.0	3047.6	3027.8	3041.0	3071.0	3051.0	3027.8	3034.4	3027.8	3051.0	3071.0
20°	3027.8	3004.5	2987.9	2987.9	3031.0	3004.5	2984.5	2994.5	2984.5	3004.5	3031.0
22.5°	2951.2	2931.4	2914.8	2911.4	2954.6	2931.4	2904.8	2924.8	2904.8	2931.4	2954.6
25°	2851.6	2831.6	2818.4	2811.8	2854.9	2828.4	2805.0	2825.0	2805.0	2828.4	2854.9
27.5°	2722.0	2705.4	2692.0	2682.1	2722.0	2698.8	2675.5	2695.4	2675.5	2698.8	2722.0
30°	2555.8	2545.9	2532.5	2519.2	2559.1	2535.9	2512.6	2539.1	2512.6	2535.9	2559.1
32.5°	2363.0	2356.4	2339.8	2326.5	2366.4	2339.8	2323.1	2343.1	2323.1	2339.8	2366.4
35°	2140.4	2130.4	2120.4	2097.1	2140.4	2117.1	2117.1	2123.8	2117.1	2117.1	2140.4
37.5°	1891.1	1884.5	1871.1	1851.2	1887.8	1871.1	1864.5	1884.5	1864.5	1871.1	1887.8
40°	1611.9	1608.6	1598.6	1575.4	1615.2	1598.6	1588.6	1615.2	1588.6	1598.6	1615.2
42.5°	1319.5	1312.8	1302.9	1299.5	1319.5	1306.1	1316.1	1316.1	1316.1	1306.1	1319.5
45°	1017.0	1010.4	1003.8	990.4	1013.6	1007.0	1003.8	1010.4	1003.8	1007.0	1013.6
47.5°	737.9	731.1	724.5	714.5	737.9	727.9	727.9	734.5	727.9	727.9	737.9
50°	495.2	498.5	495.2	488.5	495.2	491.9	495.2	501.9	495.2	491.9	495.2
52.5°	329.0	329.0	322.4	319.0	325.8	322.4	332.4	325.8	332.4	322.4	325.8
55°	199.4	202.8	199.4	196.1	199.4	196.1	206.0	202.8	206.0	196.1	199.4
57.5°	113.0	113.0	116.4	113.0	119.6	116.4	116.4	116.4	116.4	116.4	119.6
60°	63.1	63.1	63.1	63.1	63.1	63.1	66.5	63.1	66.5	63.1	63.1
62.5°	43.2	43.2	43.2	39.9	43.2	39.9	43.2	43.2	43.2	39.9	43.2
65°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2
67.5°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6
70°	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0
72.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
75°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	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: P212822

CATALOG NUMBER: LE_6B40D010 EC6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9
2.5°	2908.1	2874.9	2891.5	2924.8	2878.1	2918.0	2894.8	2854.9	2854.9	2884.9	2891.5
5°	2944.6	2921.4	2934.6	2964.6	2918.0	2958.0	2931.4	2891.5	2888.1	2918.0	2928.0
7.5°	2977.9	2954.6	2971.2	3001.1	2951.2	2991.1	2967.9	2924.8	2918.0	2948.0	2958.0
10°	2987.9	2967.9	2981.2	3014.5	2964.6	3001.1	2984.5	2938.0	2934.6	2958.0	2971.2
12.5°	3004.5	2987.9	3004.5	3037.8	2987.9	3024.4	3007.8	2961.2	2954.6	2984.5	2994.5
15°	3037.8	3021.1	3041.0	3071.0	3024.4	3054.4	3037.8	2991.1	2987.9	3011.1	3024.4
17.5°	3041.0	3027.8	3047.6	3071.0	3024.4	3054.4	3041.0	2991.1	2987.9	3014.5	3024.4
20°	2987.9	2987.9	3004.5	3027.8	2977.9	3007.8	2994.5	2944.6	2944.6	2967.9	2977.9
22.5°	2911.4	2914.8	2931.4	2951.2	2901.5	2931.4	2918.0	2868.2	2871.5	2891.5	2904.8
25°	2811.8	2818.4	2831.6	2851.6	2805.0	2831.6	2811.8	2771.9	2768.5	2791.8	2808.4
27.5°	2682.1	2692.0	2705.4	2722.0	2678.8	2698.8	2685.4	2645.5	2642.2	2665.5	2682.1
30°	2519.2	2532.5	2545.9	2555.8	2515.9	2535.9	2519.2	2482.6	2482.6	2502.6	2512.6
32.5°	2326.5	2339.8	2356.4	2363.0	2323.1	2346.4	2333.1	2293.2	2293.2	2313.1	2333.1
35°	2097.1	2120.4	2130.4	2140.4	2100.5	2113.8	2120.4	2067.2	2073.9	2090.5	2117.1
37.5°	1851.2	1871.1	1884.5	1891.1	1854.5	1867.9	1871.1	1824.6	1831.2	1844.5	1874.5
40°	1575.4	1598.6	1608.6	1611.9	1585.4	1595.2	1598.6	1552.1	1562.0	1572.0	1595.2
42.5°	1299.5	1302.9	1312.8	1319.5	1296.1	1299.5	1306.1	1263.0	1276.2	1279.5	1302.9
45°	990.4	1003.8	1010.4	1017.0	997.0	1003.8	1003.8	973.8	977.1	983.8	1003.8
47.5°	714.5	724.5	731.1	737.9	721.2	727.9	727.9	698.0	707.9	711.2	724.5
50°	488.5	495.2	498.5	495.2	495.2	495.2	495.2	478.6	488.5	478.6	495.2
52.5°	319.0	322.4	329.0	329.0	319.0	325.8	325.8	312.4	315.8	315.8	325.8
55°	196.1	199.4	202.8	199.4	196.1	199.4	199.4	192.8	199.4	192.8	202.8
57.5°	113.0	116.4	113.0	113.0	113.0	113.0	113.0	113.0	113.0	109.6	116.4
60°	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	66.5
62.5°	39.9	43.2	43.2	43.2	43.2	43.2	43.2	39.9	43.2	43.2	43.2
65°	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	33.2	36.5
67.5°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	29.9
70°	20.0	20.0	20.0	20.0	20.0	20.0	23.2	23.2	20.0	23.2	23.2
72.5°	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6
75°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	13.2
77.5°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6	6.6
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.6
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	0.0	3.4	0.0	3.4
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: P212822

CATALOG NUMBER: LE_6B40D010 EC6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9
2.5°	2888.1	2861.5	2861.5	2831.6	2858.2	2861.5	2828.4	2818.4	2854.9	2815.0	2835.0
5°	2914.8	2888.1	2888.1	2858.2	2878.1	2878.1	2845.0	2828.4	2864.9	2825.0	2841.6
7.5°	2948.0	2918.0	2911.4	2881.5	2898.1	2901.5	2861.5	2838.2	2874.9	2828.4	2845.0
10°	2958.0	2924.8	2921.4	2891.5	2904.8	2908.1	2861.5	2841.6	2871.5	2821.6	2831.6
12.5°	2981.2	2944.6	2944.6	2914.8	2924.8	2924.8	2878.1	2851.6	2878.1	2828.4	2835.0
15°	3007.8	2967.9	2967.9	2938.0	2944.6	2948.0	2891.5	2864.9	2888.1	2835.0	2841.6
17.5°	3007.8	2964.6	2964.6	2938.0	2941.4	2938.0	2884.9	2854.9	2871.5	2815.0	2818.4
20°	2961.2	2918.0	2924.8	2894.8	2898.1	2894.8	2838.2	2808.4	2825.0	2765.1	2771.9
22.5°	2884.9	2845.0	2851.6	2825.0	2825.0	2821.6	2768.5	2738.6	2755.2	2695.4	2698.8
25°	2788.5	2748.5	2755.2	2728.6	2732.0	2732.0	2678.8	2645.5	2662.1	2609.0	2609.0
27.5°	2662.1	2622.2	2632.2	2615.6	2605.6	2609.0	2562.5	2529.2	2545.9	2496.0	2496.0
30°	2499.2	2466.0	2476.0	2462.8	2452.8	2452.8	2412.9	2379.6	2396.2	2353.0	2349.8
32.5°	2306.5	2280.0	2289.9	2280.0	2270.0	2280.0	2236.8	2203.5	2220.1	2186.9	2190.2
35°	2097.1	2070.5	2077.2	2067.2	2060.6	2067.2	2024.0	2000.8	2017.4	1984.1	1997.5
37.5°	1864.5	1818.0	1837.9	1831.2	1824.6	1828.0	1788.0	1771.5	1791.4	1771.5	1781.4
40°	1592.0	1558.8	1572.0	1565.4	1558.8	1575.4	1545.5	1522.1	1538.8	1525.5	1545.5
42.5°	1296.1	1269.6	1286.2	1282.9	1272.9	1292.9	1269.6	1253.0	1279.5	1272.9	1289.5
45°	997.0	977.1	990.4	990.4	987.1	1003.8	980.5	983.8	1010.4	1020.4	1040.2
47.5°	721.2	691.2	707.9	717.9	717.9	734.5	721.2	734.5	764.4	784.4	801.0
50°	491.9	485.2	488.5	491.9	498.5	511.9	508.5	528.5	548.4	581.6	601.5
52.5°	325.8	319.0	325.8	329.0	335.6	349.0	349.0	372.2	395.5	425.4	448.6
55°	202.8	199.4	202.8	206.0	212.8	226.0	229.4	252.6	275.9	305.8	325.8
57.5°	116.4	119.6	119.6	126.2	129.6	139.6	149.5	162.9	189.5	219.4	239.2
60°	66.5	66.5	69.8	73.1	76.5	86.4	93.0	106.4	126.2	156.2	169.5
62.5°	43.2	43.2	46.5	46.5	49.9	56.5	63.1	76.5	93.0	116.4	129.6
65°	36.5	36.5	36.5	39.9	39.9	46.5	53.1	63.1	76.5	93.0	106.4
67.5°	29.9	29.9	29.9	33.2	33.2	36.5	43.2	49.9	59.9	73.1	83.1
70°	23.2	23.2	23.2	26.6	26.6	29.9	33.2	36.5	46.5	56.5	63.1
72.5°	16.6	16.6	20.0	20.0	20.0	23.2	26.6	29.9	36.5	43.2	46.5
75°	13.2	13.2	13.2	13.2	16.6	16.6	20.0	23.2	26.6	29.9	33.2
77.5°	6.6	6.6	10.0	10.0	10.0	13.2	13.2	16.6	20.0	23.2	23.2
80°	6.6	6.6	6.6	6.6	6.6	10.0	10.0	10.0	13.2	16.6	16.6
82.5°	3.4	3.4	3.4	3.4	3.4	6.6	6.6	6.6	10.0	10.0	10.0
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.6	6.6	6.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
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: P212822

CATALOG NUMBER: LE_6B40D010 EC6B30508027 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9	2854.9
2.5°	2811.8	2821.6	2821.6	2811.8	2785.1	2808.4	2831.6	2808.4	2838.2	2785.1	2785.1
5°	2811.8	2818.4	2815.0	2801.8	2775.1	2795.1	2811.8	2788.5	2811.8	2761.9	2758.5
7.5°	2818.4	2811.8	2805.0	2788.5	2755.2	2768.5	2785.1	2758.5	2781.8	2728.6	2722.0
10°	2805.0	2795.1	2781.8	2758.5	2722.0	2732.0	2741.9	2718.6	2735.2	2682.1	2678.8
12.5°	2805.0	2788.5	2768.5	2741.9	2702.0	2708.6	2718.6	2688.8	2702.0	2652.1	2645.5
15°	2811.8	2781.8	2758.5	2728.6	2685.4	2688.8	2695.4	2662.1	2675.5	2622.2	2619.0
17.5°	2788.5	2755.2	2732.0	2695.4	2648.9	2652.1	2652.1	2619.0	2628.9	2575.8	2572.4
20°	2738.6	2698.8	2672.1	2638.9	2589.0	2589.0	2589.0	2555.8	2562.5	2515.9	2509.2
22.5°	2668.8	2625.6	2599.0	2565.8	2519.2	2515.9	2512.6	2486.0	2486.0	2442.8	2432.9
25°	2575.8	2535.9	2509.2	2479.4	2432.9	2426.1	2426.1	2402.9	2399.6	2359.8	2353.0
27.5°	2469.4	2422.9	2399.6	2373.0	2329.8	2323.1	2319.9	2306.5	2299.9	2256.6	2253.4
30°	2326.5	2286.6	2266.6	2243.4	2203.5	2196.9	2193.5	2180.2	2176.9	2133.8	2133.8
32.5°	2173.6	2123.8	2110.5	2087.1	2057.2	2054.0	2057.2	2040.6	2027.4	1997.5	1990.8
35°	1990.8	1941.0	1931.0	1921.0	1897.8	1891.1	1887.8	1884.5	1867.9	1847.9	1837.9
37.5°	1778.1	1734.9	1734.9	1731.5	1715.0	1715.0	1715.0	1708.2	1691.6	1685.0	1665.1
40°	1548.8	1515.5	1518.9	1522.1	1515.5	1518.9	1522.1	1515.5	1502.2	1495.6	1479.0
42.5°	1302.9	1286.2	1299.5	1309.5	1309.5	1319.5	1326.1	1326.1	1309.5	1306.1	1292.9
45°	1056.9	1053.5	1080.1	1100.1	1106.8	1123.4	1133.4	1126.6	1126.6	1126.6	1113.4
47.5°	827.5	840.9	864.1	904.0	917.2	937.2	943.9	953.9	950.5	953.9	943.9
50°	628.1	658.0	688.0	727.9	747.8	771.0	781.0	794.4	794.4	797.6	791.0
52.5°	475.2	498.5	548.4	575.0	598.2	621.5	634.8	648.1	651.4	651.4	644.8
55°	352.2	385.5	418.8	455.4	475.2	498.5	508.5	521.8	521.8	528.5	521.8
57.5°	255.9	289.1	325.8	352.2	375.5	392.1	402.1	412.1	418.8	418.8	415.5
60°	189.5	216.0	246.0	272.5	292.5	309.1	315.8	325.8	329.0	329.0	322.4
62.5°	142.9	169.5	196.1	219.4	232.6	246.0	252.6	259.2	259.2	259.2	255.9
65°	116.4	136.2	156.2	176.1	189.5	199.4	202.8	209.4	206.0	209.4	206.0
67.5°	93.0	106.4	123.0	136.2	146.2	152.9	156.2	162.9	159.5	162.9	159.5
70°	69.8	83.1	93.0	103.0	109.6	116.4	119.6	123.0	119.6	123.0	119.6
72.5°	53.1	59.9	69.8	79.8	83.1	86.4	89.8	89.8	89.8	93.0	89.8
75°	36.5	43.2	49.9	53.1	59.9	63.1	63.1	66.5	66.5	66.5	66.5
77.5°	26.6	29.9	33.2	36.5	39.9	43.2	43.2	46.5	46.5	46.5	46.5
80°	16.6	20.0	20.0	23.2	26.6	26.6	29.9	29.9	29.9	29.9	29.9
82.5°	10.0	13.2	13.2	16.6	16.6	16.6	20.0	20.0	20.0	20.0	20.0
85°	6.6	6.6	6.6	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.6	6.6	3.4	3.4
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: P212822

CATALOG NUMBER: LE_6B40D010 EC6B30508027 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2854.9	2854.9	2854.9	2854.9
2.5°	2811.8	2795.1	2821.6	2781.8
5°	2781.8	2765.1	2798.4	2748.5
7.5°	2745.2	2728.6	2758.5	2708.6
10°	2698.8	2682.1	2708.6	2655.5
12.5°	2658.9	2642.2	2672.1	2622.2
15°	2628.9	2612.2	2638.9	2592.4
17.5°	2582.4	2562.5	2592.4	2542.5
20°	2515.9	2502.6	2525.9	2476.0
22.5°	2439.5	2426.1	2452.8	2402.9
25°	2359.8	2343.1	2369.6	2319.9
27.5°	2256.6	2243.4	2270.0	2220.1
30°	2133.8	2120.4	2147.0	2100.5
32.5°	1994.1	1980.9	2000.8	1960.9
35°	1834.6	1824.6	1844.5	1801.4
37.5°	1661.8	1651.8	1671.8	1628.5
40°	1475.6	1465.6	1482.2	1462.4
42.5°	1292.9	1282.9	1299.5	1282.9
45°	1113.4	1106.8	1123.4	1106.8
47.5°	947.2	940.5	957.1	940.5
50°	787.6	791.0	797.6	791.0
52.5°	644.8	644.8	654.8	644.8
55°	521.8	525.1	528.5	521.8
57.5°	415.5	415.5	418.8	415.5
60°	322.4	325.8	325.8	322.4
62.5°	255.9	255.9	255.9	255.9
65°	202.8	202.8	206.0	202.8
67.5°	159.5	156.2	159.5	156.2
70°	119.6	119.6	119.6	119.6
72.5°	93.0	93.0	89.8	89.8
75°	66.5	69.8	66.5	66.5
77.5°	46.5	46.5	46.5	46.5
80°	29.9	29.9	29.9	29.9
82.5°	20.0	20.0	20.0	20.0
85°	13.2	10.0	10.0	10.0
87.5°	6.6	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)