

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: P212830

Luminaire Tested: **LE_6B40D010 EC6B30509035 6LBSWL11**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212830
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 EC6B30509035 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4322.5 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

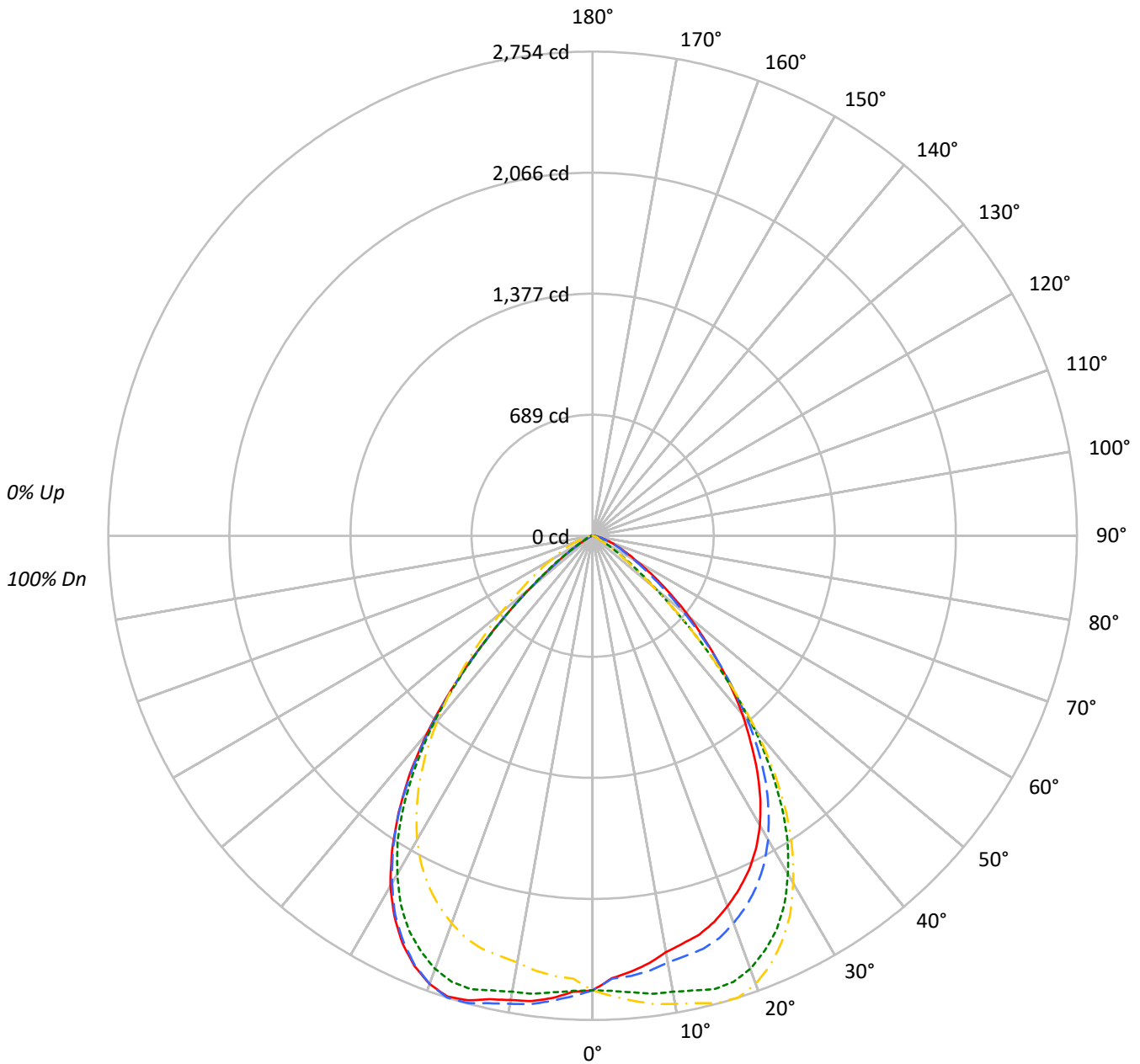
Input Watts (W): 43
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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								
1	112	109	106	103	110	107	104	102	103	100	99	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	71	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°	141732	141732	141732	141732
5°	136969	143429	145251	143429
10°	133865	146596	149274	146596
15°	133236	151511	155273	151511
20°	130806	152934	158202	152934
25°	127072	149646	154739	149646
30°	120405	140598	145554	140598
35°	109165	125280	128706	125280
40°	94763	102091	104682	102091
45°	77698	70465	70938	70465
50°	61081	39530	38762	39530
55°	45160	19555	17548	19555
60°	32015	8574	6260	8574
65°	23816	5461	3904	5461
70°	17375	4344	2885	4344
75°	12751	3177	1906	3177
80°	8555	2841	947	2841
85°	5661	1887	1887	1887



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.5	5.7
10°-20°	733.0	17.0
20°-30°	1093.9	25.3
30°-40°	1123.9	26.0
40°-50°	727.8	16.8
50°-60°	270.6	6.3
60°-70°	88.8	2.1
70°-80°	31.3	0.7
80°-90°	5.6	0.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2074.4	48.0
0°-40°	3198.3	74.0
0°-60°	4196.8	97.1
0°-90°	4322.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4322.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2585	2585	2585	2585	2585	
5°	2489	2606	2640	2606	2489	235
15°	2348	2670	2736	2670	2348	660
25°	2101	2474	2558	2474	2101	963
35°	1631	1872	1923	1872	1631	1013
45°	1002	909	915	909	1002	775
55°	472	205	184	205	472	431
65°	184	42	30	42	184	187
75°	60	15	9	15	60	66
85°	9	3	3	3	9	12
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°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2519.1	2555.2	2531.1	2546.2	2522.1	2522.1	2570.2	2543.2	2564.2	2543.2	2522.1
5°	2489.0	2534.1	2504.1	2519.1	2498.0	2501.0	2546.2	2525.1	2546.2	2531.1	2513.1
7.5°	2452.9	2498.0	2471.0	2486.0	2465.0	2471.0	2519.1	2498.0	2522.1	2507.1	2495.0
10°	2404.8	2452.9	2428.9	2443.9	2425.9	2428.9	2477.0	2461.9	2483.0	2474.0	2465.0
12.5°	2374.6	2419.8	2392.8	2407.8	2395.8	2401.8	2446.9	2434.9	2461.9	2452.9	2446.9
15°	2347.6	2389.8	2365.6	2380.6	2371.6	2374.6	2422.8	2410.8	2440.9	2434.9	2431.9
17.5°	2302.4	2347.6	2320.5	2338.5	2329.5	2332.5	2380.6	2371.6	2401.8	2401.8	2398.8
20°	2242.2	2287.4	2266.2	2278.4	2272.4	2278.4	2320.5	2314.5	2344.5	2344.5	2344.5
22.5°	2176.0	2221.1	2197.1	2209.1	2203.1	2212.1	2251.2	2251.2	2275.4	2278.4	2281.4
25°	2100.8	2145.9	2121.9	2136.9	2130.9	2136.9	2173.0	2176.0	2197.1	2197.1	2203.1
27.5°	2010.5	2055.6	2031.5	2043.6	2040.6	2043.6	2082.8	2088.8	2100.8	2103.8	2109.8
30°	1902.1	1944.2	1920.2	1932.2	1932.2	1932.2	1971.4	1974.4	1986.4	1989.4	1995.4
32.5°	1775.8	1811.9	1793.8	1805.9	1802.8	1808.9	1835.9	1848.0	1863.0	1860.0	1863.0
35°	1631.2	1670.4	1652.4	1661.4	1664.4	1673.4	1691.5	1706.5	1709.5	1712.5	1718.5
37.5°	1474.8	1513.9	1495.9	1504.9	1507.9	1525.9	1532.0	1547.0	1553.0	1553.0	1553.0
40°	1324.2	1342.4	1327.2	1336.2	1339.4	1354.4	1360.4	1372.4	1378.5	1375.4	1372.4
42.5°	1161.8	1176.8	1161.8	1170.8	1170.8	1182.9	1185.9	1200.9	1200.9	1194.9	1185.9
45°	1002.2	1017.2	1002.2	1008.2	1008.2	1020.2	1020.2	1020.2	1026.2	1017.2	1002.2
47.5°	851.8	866.8	851.8	857.8	854.8	863.8	860.8	863.8	854.8	848.8	830.6
50°	716.2	722.4	716.2	713.2	716.2	722.4	719.4	719.4	707.2	698.2	677.1
52.5°	583.9	592.9	583.9	583.9	583.9	589.9	589.9	586.9	574.9	562.9	541.8
55°	472.5	478.5	475.5	472.5	472.5	478.5	472.5	472.5	460.5	451.5	430.4
57.5°	376.2	379.2	376.2	376.2	376.2	379.2	379.2	373.2	364.1	355.1	340.1
60°	292.0	295.0	295.0	292.0	292.0	298.0	298.0	295.0	285.9	279.9	264.9
62.5°	231.8	231.8	231.8	231.8	231.8	234.8	234.8	234.8	228.8	222.8	210.6
65°	183.6	186.6	183.6	183.6	186.6	189.6	186.6	189.6	183.6	180.6	171.5
67.5°	141.5	144.5	141.5	144.5	144.5	147.5	144.5	147.5	141.5	138.5	132.4
70°	108.4	108.4	108.4	108.4	108.4	111.4	108.4	111.4	108.4	105.4	99.4
72.5°	81.2	81.2	84.2	84.2	81.2	84.2	81.2	81.2	81.2	78.2	75.2
75°	60.2	60.2	63.2	60.2	60.2	60.2	60.2	60.2	57.1	57.1	54.1
77.5°	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	39.1	39.1	36.1
80°	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	24.1	24.1
82.5°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	15.0	15.0
85°	9.0	9.0	9.0	12.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
87.5°	3.0	3.0	3.0	6.0	3.0	3.0	6.0	6.0	3.0	3.0	3.0
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):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2546.2	2555.2	2555.2	2546.2	2567.2	2549.2	2585.4	2552.2	2561.2	2591.4	2588.4
5°	2537.1	2549.2	2552.2	2546.2	2573.2	2558.2	2594.4	2561.2	2576.2	2606.4	2606.4
7.5°	2525.1	2540.2	2546.2	2552.2	2576.2	2561.2	2603.4	2570.2	2591.4	2627.5	2624.5
10°	2498.0	2519.1	2531.1	2540.2	2564.2	2555.2	2600.4	2573.2	2591.4	2633.5	2630.5
12.5°	2483.0	2507.1	2525.1	2540.2	2567.2	2561.2	2606.4	2582.4	2606.4	2648.5	2648.5
15°	2471.0	2498.0	2519.1	2546.2	2573.2	2567.2	2615.4	2594.4	2618.5	2669.6	2666.6
17.5°	2440.9	2474.0	2495.0	2525.1	2552.2	2549.2	2600.4	2585.4	2612.4	2660.6	2663.6
20°	2389.8	2419.8	2443.9	2480.0	2510.1	2504.1	2558.2	2543.2	2570.2	2621.5	2624.5
22.5°	2323.5	2353.6	2377.6	2416.8	2443.9	2440.9	2495.0	2480.0	2507.1	2555.2	2558.2
25°	2245.2	2272.4	2296.4	2332.5	2362.6	2362.6	2410.8	2395.8	2425.9	2474.0	2474.0
27.5°	2148.9	2173.0	2194.1	2236.2	2260.2	2260.2	2305.4	2290.4	2320.5	2362.6	2359.6
30°	2031.5	2052.6	2070.6	2106.8	2127.9	2130.9	2170.0	2155.0	2185.0	2221.1	2221.1
32.5°	1890.1	1911.1	1923.2	1968.4	1983.4	1980.4	2010.5	1995.4	2025.5	2064.6	2055.6
35°	1739.6	1748.6	1757.6	1802.8	1808.9	1796.8	1826.9	1811.9	1832.9	1872.0	1866.0
37.5°	1568.0	1571.1	1571.1	1610.2	1613.2	1604.1	1622.2	1604.1	1619.2	1655.4	1652.4
40°	1378.5	1375.4	1372.4	1402.5	1399.5	1381.5	1393.5	1378.5	1399.5	1426.6	1411.5
42.5°	1185.9	1176.8	1164.8	1179.8	1167.8	1152.8	1158.8	1134.6	1149.8	1170.8	1152.8
45°	996.2	978.1	954.1	957.1	942.0	924.0	915.0	890.9	887.9	908.9	893.9
47.5°	818.6	782.5	761.5	749.4	725.4	710.2	692.2	665.1	653.1	665.1	650.1
50°	659.1	623.0	595.9	568.9	544.8	526.8	496.6	478.5	460.5	463.5	451.5
52.5°	520.6	496.6	451.5	430.4	406.2	385.2	358.1	337.1	316.0	316.0	304.0
55°	412.4	379.2	349.1	319.0	295.0	276.9	249.8	228.8	207.6	204.6	192.6
57.5°	319.0	295.0	261.9	231.8	216.8	198.6	171.5	147.5	135.4	126.4	117.4
60°	246.8	222.8	195.6	171.5	153.5	141.5	114.4	96.2	84.2	78.2	69.2
62.5°	198.6	177.6	153.5	129.4	117.4	105.4	84.2	69.2	57.1	51.1	45.1
65°	159.5	141.5	123.4	105.4	96.2	84.2	69.2	57.1	48.1	42.1	36.1
67.5°	123.4	111.4	96.2	84.2	75.2	66.2	54.1	45.1	39.1	33.1	30.1
70°	93.2	84.2	75.2	63.2	57.1	51.1	42.1	33.1	30.1	27.1	24.1
72.5°	72.2	63.2	54.1	48.1	42.1	39.1	33.1	27.1	24.1	21.1	18.0
75°	48.1	45.1	39.1	33.1	30.1	27.1	24.1	21.1	18.0	15.0	15.0
77.5°	33.1	30.1	27.1	24.1	21.1	21.1	18.0	15.0	12.0	12.0	9.0
80°	21.1	18.0	18.0	15.0	15.0	15.0	12.0	9.0	9.0	9.0	6.0
82.5°	15.0	12.0	12.0	9.0	9.0	9.0	9.0	6.0	6.0	6.0	3.0
85°	9.0	6.0	6.0	6.0	6.0	6.0	6.0	3.0	3.0	3.0	3.0
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	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



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CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2564.2	2591.4	2591.4	2615.4	2618.5	2612.4	2585.4	2585.4	2621.5	2642.5	2606.4
5°	2588.4	2615.4	2615.4	2639.5	2651.5	2642.5	2615.4	2618.5	2654.5	2678.6	2642.5
7.5°	2609.4	2636.5	2642.5	2669.6	2678.6	2669.6	2642.5	2648.5	2687.6	2708.8	2672.6
10°	2618.5	2645.5	2648.5	2678.6	2690.6	2678.6	2657.6	2660.6	2702.8	2717.8	2684.6
12.5°	2639.5	2666.6	2666.6	2699.8	2711.8	2702.8	2675.6	2681.6	2723.8	2738.9	2705.8
15°	2660.6	2687.6	2687.6	2723.8	2738.9	2726.8	2705.8	2708.8	2750.9	2765.9	2738.9
17.5°	2660.6	2684.6	2684.6	2723.8	2738.9	2729.8	2705.8	2708.8	2753.9	2765.9	2738.9
20°	2621.5	2648.5	2642.5	2681.6	2696.8	2687.6	2666.6	2666.6	2711.8	2723.8	2696.8
22.5°	2558.2	2582.4	2576.2	2612.4	2630.5	2618.5	2600.4	2597.4	2642.5	2654.5	2627.5
25°	2471.0	2495.0	2489.0	2525.1	2543.2	2528.1	2507.1	2510.1	2546.2	2564.2	2540.2
27.5°	2368.6	2383.6	2374.6	2410.8	2428.9	2413.8	2392.8	2395.8	2431.9	2443.9	2425.9
30°	2230.2	2242.2	2233.2	2263.2	2275.4	2266.2	2248.2	2248.2	2281.4	2296.4	2278.4
32.5°	2064.6	2073.6	2064.6	2088.8	2112.8	2094.8	2076.8	2076.8	2112.8	2124.9	2103.8
35°	1872.0	1881.1	1875.0	1899.1	1917.1	1893.1	1878.0	1872.0	1920.2	1914.1	1902.1
37.5°	1658.4	1664.4	1646.2	1688.5	1697.5	1670.4	1658.4	1652.4	1694.5	1691.5	1679.4
40°	1417.6	1423.6	1411.5	1441.6	1444.6	1423.6	1414.5	1405.5	1447.6	1444.6	1435.6
42.5°	1161.8	1164.8	1149.8	1173.8	1179.8	1158.8	1155.8	1143.6	1182.9	1176.8	1173.8
45°	896.9	896.9	884.9	902.9	908.9	890.9	884.9	881.9	908.9	908.9	902.9
47.5°	650.1	641.1	626.0	653.1	656.1	644.1	641.1	632.0	659.1	659.1	653.1
50°	445.4	442.4	439.4	445.4	448.5	433.4	442.4	433.4	448.5	448.5	448.5
52.5°	298.0	295.0	288.9	295.0	295.0	285.9	285.9	282.9	295.0	295.0	288.9
55°	186.6	183.6	180.6	183.6	183.6	174.6	180.6	174.6	180.6	180.6	177.6
57.5°	114.4	108.4	108.4	105.4	105.4	99.4	102.4	102.4	102.4	102.4	102.4
60°	66.2	63.2	60.2	60.2	60.2	57.1	57.1	57.1	57.1	57.1	57.1
62.5°	42.1	42.1	39.1	39.1	39.1	39.1	39.1	36.1	39.1	39.1	39.1
65°	36.1	33.1	33.1	33.1	33.1	30.1	30.1	30.1	30.1	30.1	30.1
67.5°	30.1	27.1	27.1	27.1	27.1	24.1	24.1	24.1	24.1	24.1	24.1
70°	24.1	21.1	21.1	21.1	21.1	21.1	18.0	21.1	21.1	18.0	18.0
72.5°	18.0	18.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
75°	12.0	12.0	12.0	12.0	12.0	9.0	9.0	9.0	9.0	9.0	9.0
77.5°	9.0	9.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
80°	6.0	6.0	6.0	6.0	6.0	3.0	3.0	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	3.0	3.0	3.0	3.0	3.0	0.0	3.0	0.0	3.0	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: P212830

CATALOG NUMBER: LE_6B40D010 EC6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2648.5	2618.5	2603.4	2633.5	2645.5	2630.5	2618.5	2597.4	2618.5	2630.5	2645.5
5°	2684.6	2657.6	2645.5	2666.6	2684.6	2669.6	2660.6	2639.5	2660.6	2669.6	2684.6
7.5°	2717.8	2690.6	2675.6	2696.8	2717.8	2696.8	2687.6	2669.6	2687.6	2696.8	2717.8
10°	2729.8	2699.8	2687.6	2705.8	2726.8	2705.8	2693.6	2681.6	2693.6	2705.8	2726.8
12.5°	2750.9	2720.8	2705.8	2720.8	2741.9	2720.8	2708.8	2699.8	2708.8	2720.8	2741.9
15°	2781.0	2753.9	2735.9	2750.9	2778.0	2753.9	2738.9	2735.9	2738.9	2753.9	2778.0
17.5°	2781.0	2759.9	2741.9	2753.9	2781.0	2762.9	2741.9	2747.9	2741.9	2762.9	2781.0
20°	2741.9	2720.8	2705.8	2705.8	2744.9	2720.8	2702.8	2711.8	2702.8	2720.8	2744.9
22.5°	2672.6	2654.5	2639.5	2636.5	2675.6	2654.5	2630.5	2648.5	2630.5	2654.5	2675.6
25°	2582.4	2564.2	2552.2	2546.2	2585.4	2561.2	2540.2	2558.2	2540.2	2561.2	2585.4
27.5°	2465.0	2449.9	2437.9	2428.9	2465.0	2443.9	2422.8	2440.9	2422.8	2443.9	2465.0
30°	2314.5	2305.4	2293.4	2281.4	2317.5	2296.4	2275.4	2299.4	2275.4	2296.4	2317.5
32.5°	2139.9	2133.9	2118.9	2106.8	2142.9	2118.9	2103.8	2121.9	2103.8	2118.9	2142.9
35°	1938.2	1929.2	1920.2	1899.1	1938.2	1917.1	1917.1	1923.2	1917.1	1917.1	1938.2
37.5°	1712.5	1706.5	1694.5	1676.4	1709.5	1694.5	1688.5	1706.5	1688.5	1694.5	1709.5
40°	1459.8	1456.8	1447.6	1426.6	1462.8	1447.6	1438.6	1462.8	1438.6	1447.6	1462.8
42.5°	1194.9	1188.9	1179.8	1176.8	1194.9	1182.9	1191.9	1191.9	1191.9	1182.9	1194.9
45°	921.0	915.0	908.9	896.9	918.0	912.0	908.9	915.0	908.9	912.0	918.0
47.5°	668.1	662.1	656.1	647.1	668.1	659.1	659.1	665.1	659.1	659.1	668.1
50°	448.5	451.5	448.5	442.4	448.5	445.4	448.5	454.5	448.5	445.4	448.5
52.5°	298.0	298.0	292.0	288.9	295.0	292.0	301.0	295.0	301.0	292.0	295.0
55°	180.6	183.6	180.6	177.6	180.6	177.6	186.6	183.6	186.6	177.6	180.6
57.5°	102.4	102.4	105.4	102.4	108.4	105.4	105.4	105.4	105.4	105.4	108.4
60°	57.1	57.1	57.1	57.1	57.1	57.1	60.2	57.1	60.2	57.1	57.1
62.5°	39.1	39.1	39.1	36.1	39.1	36.1	39.1	39.1	39.1	36.1	39.1
65°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1
67.5°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1
70°	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
72.5°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
75°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
77.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	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: P212830

CATALOG NUMBER: LE_6B40D010 EC6B30509035 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2633.5	2603.4	2618.5	2648.5	2606.4	2642.5	2621.5	2585.4	2585.4	2612.4	2618.5
5°	2666.6	2645.5	2657.6	2684.6	2642.5	2678.6	2654.5	2618.5	2615.4	2642.5	2651.5
7.5°	2696.8	2675.6	2690.6	2717.8	2672.6	2708.8	2687.6	2648.5	2642.5	2669.6	2678.6
10°	2705.8	2687.6	2699.8	2729.8	2684.6	2717.8	2702.8	2660.6	2657.6	2678.6	2690.6
12.5°	2720.8	2705.8	2720.8	2750.9	2705.8	2738.9	2723.8	2681.6	2675.6	2702.8	2711.8
15°	2750.9	2735.9	2753.9	2781.0	2738.9	2765.9	2750.9	2708.8	2705.8	2726.8	2738.9
17.5°	2753.9	2741.9	2759.9	2781.0	2738.9	2765.9	2753.9	2708.8	2705.8	2729.8	2738.9
20°	2705.8	2705.8	2720.8	2741.9	2696.8	2723.8	2711.8	2666.6	2666.6	2687.6	2696.8
22.5°	2636.5	2639.5	2654.5	2672.6	2627.5	2654.5	2642.5	2597.4	2600.4	2618.5	2630.5
25°	2546.2	2552.2	2564.2	2582.4	2540.2	2564.2	2546.2	2510.1	2507.1	2528.1	2543.2
27.5°	2428.9	2437.9	2449.9	2465.0	2425.9	2443.9	2431.9	2395.8	2392.8	2413.8	2428.9
30°	2281.4	2293.4	2305.4	2314.5	2278.4	2296.4	2281.4	2248.2	2248.2	2266.2	2275.4
32.5°	2106.8	2118.9	2133.9	2139.9	2103.8	2124.9	2112.8	2076.8	2076.8	2094.8	2112.8
35°	1899.1	1920.2	1929.2	1938.2	1902.1	1914.1	1920.2	1872.0	1878.0	1893.1	1917.1
37.5°	1676.4	1694.5	1706.5	1712.5	1679.4	1691.5	1694.5	1652.4	1658.4	1670.4	1697.5
40°	1426.6	1447.6	1456.8	1459.8	1435.6	1444.6	1447.6	1405.5	1414.5	1423.6	1444.6
42.5°	1176.8	1179.8	1188.9	1194.9	1173.8	1176.8	1182.9	1143.6	1155.8	1158.8	1179.8
45°	896.9	908.9	915.0	921.0	902.9	908.9	908.9	881.9	884.9	890.9	908.9
47.5°	647.1	656.1	662.1	668.1	653.1	659.1	659.1	632.0	641.1	644.1	656.1
50°	442.4	448.5	451.5	448.5	448.5	448.5	448.5	433.4	442.4	433.4	448.5
52.5°	288.9	292.0	298.0	298.0	288.9	295.0	295.0	282.9	285.9	285.9	295.0
55°	177.6	180.6	183.6	180.6	177.6	180.6	180.6	174.6	180.6	174.6	183.6
57.5°	102.4	105.4	102.4	102.4	102.4	102.4	102.4	102.4	102.4	99.4	105.4
60°	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	60.2
62.5°	36.1	39.1	39.1	39.1	39.1	39.1	39.1	36.1	39.1	39.1	39.1
65°	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	30.1	33.1
67.5°	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	24.1	27.1
70°	18.0	18.0	18.0	18.0	18.0	18.0	21.1	21.1	18.0	21.1	21.1
72.5°	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0	15.0
75°	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	12.0
77.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	3.0	0.0	3.0
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: P212830

CATALOG NUMBER: LE_6B40D010 EC6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2615.4	2591.4	2591.4	2564.2	2588.4	2591.4	2561.2	2552.2	2585.4	2549.2	2567.2
5°	2639.5	2615.4	2615.4	2588.4	2606.4	2606.4	2576.2	2561.2	2594.4	2558.2	2573.2
7.5°	2669.6	2642.5	2636.5	2609.4	2624.5	2627.5	2591.4	2570.2	2603.4	2561.2	2576.2
10°	2678.6	2648.5	2645.5	2618.5	2630.5	2633.5	2591.4	2573.2	2600.4	2555.2	2564.2
12.5°	2699.8	2666.6	2666.6	2639.5	2648.5	2648.5	2606.4	2582.4	2606.4	2561.2	2567.2
15°	2723.8	2687.6	2687.6	2660.6	2666.6	2669.6	2618.5	2594.4	2615.4	2567.2	2573.2
17.5°	2723.8	2684.6	2684.6	2660.6	2663.6	2660.6	2612.4	2585.4	2600.4	2549.2	2552.2
20°	2681.6	2642.5	2648.5	2621.5	2624.5	2621.5	2570.2	2543.2	2558.2	2504.1	2510.1
22.5°	2612.4	2576.2	2582.4	2558.2	2558.2	2555.2	2507.1	2480.0	2495.0	2440.9	2443.9
25°	2525.1	2489.0	2495.0	2471.0	2474.0	2474.0	2425.9	2395.8	2410.8	2362.6	2362.6
27.5°	2410.8	2374.6	2383.6	2368.6	2359.6	2362.6	2320.5	2290.4	2305.4	2260.2	2260.2
30°	2263.2	2233.2	2242.2	2230.2	2221.1	2221.1	2185.0	2155.0	2170.0	2130.9	2127.9
32.5°	2088.8	2064.6	2073.6	2064.6	2055.6	2064.6	2025.5	1995.4	2010.5	1980.4	1983.4
35°	1899.1	1875.0	1881.1	1872.0	1866.0	1872.0	1832.9	1811.9	1826.9	1796.8	1808.9
37.5°	1688.5	1646.2	1664.4	1658.4	1652.4	1655.4	1619.2	1604.1	1622.2	1604.1	1613.2
40°	1441.6	1411.5	1423.6	1417.6	1411.5	1426.6	1399.5	1378.5	1393.5	1381.5	1399.5
42.5°	1173.8	1149.8	1164.8	1161.8	1152.8	1170.8	1149.8	1134.6	1158.8	1152.8	1167.8
45°	902.9	884.9	896.9	896.9	893.9	908.9	887.9	890.9	915.0	924.0	942.0
47.5°	653.1	626.0	641.1	650.1	650.1	665.1	653.1	665.1	692.2	710.2	725.4
50°	445.4	439.4	442.4	445.4	451.5	463.5	460.5	478.5	496.6	526.8	544.8
52.5°	295.0	288.9	295.0	298.0	304.0	316.0	316.0	337.1	358.1	385.2	406.2
55°	183.6	180.6	183.6	186.6	192.6	204.6	207.6	228.8	249.8	276.9	295.0
57.5°	105.4	108.4	108.4	114.4	117.4	126.4	135.4	147.5	171.5	198.6	216.8
60°	60.2	60.2	63.2	66.2	69.2	78.2	84.2	96.2	114.4	141.5	153.5
62.5°	39.1	39.1	42.1	42.1	45.1	51.1	57.1	69.2	84.2	105.4	117.4
65°	33.1	33.1	33.1	36.1	36.1	42.1	48.1	57.1	69.2	84.2	96.2
67.5°	27.1	27.1	27.1	30.1	30.1	33.1	39.1	45.1	54.1	66.2	75.2
70°	21.1	21.1	21.1	24.1	24.1	27.1	30.1	33.1	42.1	51.1	57.1
72.5°	15.0	15.0	18.0	18.0	18.0	21.1	24.1	27.1	33.1	39.1	42.1
75°	12.0	12.0	12.0	12.0	15.0	15.0	18.0	21.1	24.1	27.1	30.1
77.5°	6.0	6.0	9.0	9.0	9.0	12.0	12.0	15.0	18.0	21.1	21.1
80°	6.0	6.0	6.0	6.0	6.0	9.0	9.0	9.0	12.0	15.0	15.0
82.5°	3.0	3.0	3.0	3.0	3.0	6.0	6.0	6.0	9.0	9.0	9.0
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	6.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
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: P212830

CATALOG NUMBER: LE_6B40D010 EC6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4	2585.4
2.5°	2546.2	2555.2	2555.2	2546.2	2522.1	2543.2	2564.2	2543.2	2570.2	2522.1	2522.1
5°	2546.2	2552.2	2549.2	2537.1	2513.1	2531.1	2546.2	2525.1	2546.2	2501.0	2498.0
7.5°	2552.2	2546.2	2540.2	2525.1	2495.0	2507.1	2522.1	2498.0	2519.1	2471.0	2465.0
10°	2540.2	2531.1	2519.1	2498.0	2465.0	2474.0	2483.0	2461.9	2477.0	2428.9	2425.9
12.5°	2540.2	2525.1	2507.1	2483.0	2446.9	2452.9	2461.9	2434.9	2446.9	2401.8	2395.8
15°	2546.2	2519.1	2498.0	2471.0	2431.9	2434.9	2440.9	2410.8	2422.8	2374.6	2371.6
17.5°	2525.1	2495.0	2474.0	2440.9	2398.8	2401.8	2401.8	2371.6	2380.6	2332.5	2329.5
20°	2480.0	2443.9	2419.8	2389.8	2344.5	2344.5	2344.5	2314.5	2320.5	2278.4	2272.4
22.5°	2416.8	2377.6	2353.6	2323.5	2281.4	2278.4	2275.4	2251.2	2251.2	2212.1	2203.1
25°	2332.5	2296.4	2272.4	2245.2	2203.1	2197.1	2197.1	2176.0	2173.0	2136.9	2130.9
27.5°	2236.2	2194.1	2173.0	2148.9	2109.8	2103.8	2100.8	2088.8	2082.8	2043.6	2040.6
30°	2106.8	2070.6	2052.6	2031.5	1995.4	1989.4	1986.4	1974.4	1971.4	1932.2	1932.2
32.5°	1968.4	1923.2	1911.1	1890.1	1863.0	1860.0	1863.0	1848.0	1835.9	1808.9	1802.8
35°	1802.8	1757.6	1748.6	1739.6	1718.5	1712.5	1709.5	1706.5	1691.5	1673.4	1664.4
37.5°	1610.2	1571.1	1571.1	1568.0	1553.0	1553.0	1553.0	1547.0	1532.0	1525.9	1507.9
40°	1402.5	1372.4	1375.4	1378.5	1372.4	1375.4	1378.5	1372.4	1360.4	1354.4	1339.4
42.5°	1179.8	1164.8	1176.8	1185.9	1185.9	1194.9	1200.9	1200.9	1185.9	1182.9	1170.8
45°	957.1	954.1	978.1	996.2	1002.2	1017.2	1026.2	1020.2	1020.2	1020.2	1008.2
47.5°	749.4	761.5	782.5	818.6	830.6	848.8	854.8	863.8	860.8	863.8	854.8
50°	568.9	595.9	623.0	659.1	677.1	698.2	707.2	719.4	719.4	722.4	716.2
52.5°	430.4	451.5	496.6	520.6	541.8	562.9	574.9	586.9	589.9	589.9	583.9
55°	319.0	349.1	379.2	412.4	430.4	451.5	460.5	472.5	472.5	478.5	472.5
57.5°	231.8	261.9	295.0	319.0	340.1	355.1	364.1	373.2	379.2	379.2	376.2
60°	171.5	195.6	222.8	246.8	264.9	279.9	285.9	295.0	298.0	298.0	292.0
62.5°	129.4	153.5	177.6	198.6	210.6	222.8	228.8	234.8	234.8	234.8	231.8
65°	105.4	123.4	141.5	159.5	171.5	180.6	183.6	189.6	186.6	189.6	186.6
67.5°	84.2	96.2	111.4	123.4	132.4	138.5	141.5	147.5	144.5	147.5	144.5
70°	63.2	75.2	84.2	93.2	99.4	105.4	108.4	111.4	108.4	111.4	108.4
72.5°	48.1	54.1	63.2	72.2	75.2	78.2	81.2	81.2	81.2	84.2	81.2
75°	33.1	39.1	45.1	48.1	54.1	57.1	57.1	60.2	60.2	60.2	60.2
77.5°	24.1	27.1	30.1	33.1	36.1	39.1	39.1	42.1	42.1	42.1	42.1
80°	15.0	18.0	18.0	21.1	24.1	24.1	27.1	27.1	27.1	27.1	27.1
82.5°	9.0	12.0	12.0	15.0	15.0	15.0	18.0	18.0	18.0	18.0	18.0
85°	6.0	6.0	6.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0	9.0
87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	3.0	3.0
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: P212830

CATALOG NUMBER: LE_6B40D010 EC6B30509035 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2585.4	2585.4	2585.4	2585.4
2.5°	2546.2	2531.1	2555.2	2519.1
5°	2519.1	2504.1	2534.1	2489.0
7.5°	2486.0	2471.0	2498.0	2452.9
10°	2443.9	2428.9	2452.9	2404.8
12.5°	2407.8	2392.8	2419.8	2374.6
15°	2380.6	2365.6	2389.8	2347.6
17.5°	2338.5	2320.5	2347.6	2302.4
20°	2278.4	2266.2	2287.4	2242.2
22.5°	2209.1	2197.1	2221.1	2176.0
25°	2136.9	2121.9	2145.9	2100.8
27.5°	2043.6	2031.5	2055.6	2010.5
30°	1932.2	1920.2	1944.2	1902.1
32.5°	1805.9	1793.8	1811.9	1775.8
35°	1661.4	1652.4	1670.4	1631.2
37.5°	1504.9	1495.9	1513.9	1474.8
40°	1336.2	1327.2	1342.4	1324.2
42.5°	1170.8	1161.8	1176.8	1161.8
45°	1008.2	1002.2	1017.2	1002.2
47.5°	857.8	851.8	866.8	851.8
50°	713.2	716.2	722.4	716.2
52.5°	583.9	583.9	592.9	583.9
55°	472.5	475.5	478.5	472.5
57.5°	376.2	376.2	379.2	376.2
60°	292.0	295.0	295.0	292.0
62.5°	231.8	231.8	231.8	231.8
65°	183.6	183.6	186.6	183.6
67.5°	144.5	141.5	144.5	141.5
70°	108.4	108.4	108.4	108.4
72.5°	84.2	84.2	81.2	81.2
75°	60.2	63.2	60.2	60.2
77.5°	42.1	42.1	42.1	42.1
80°	27.1	27.1	27.1	27.1
82.5°	18.0	18.0	18.0	18.0
85°	12.0	9.0	9.0	9.0
87.5°	6.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)