

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: P212832

Luminaire Tested: **LE\_6B40D010 EC6B30509050 6LBSWL11**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212832  
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 EC6B30509050 6LBSWL11  
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4348.6 lumens  
Efficiency: N/A  
Efficacy: 101.1 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

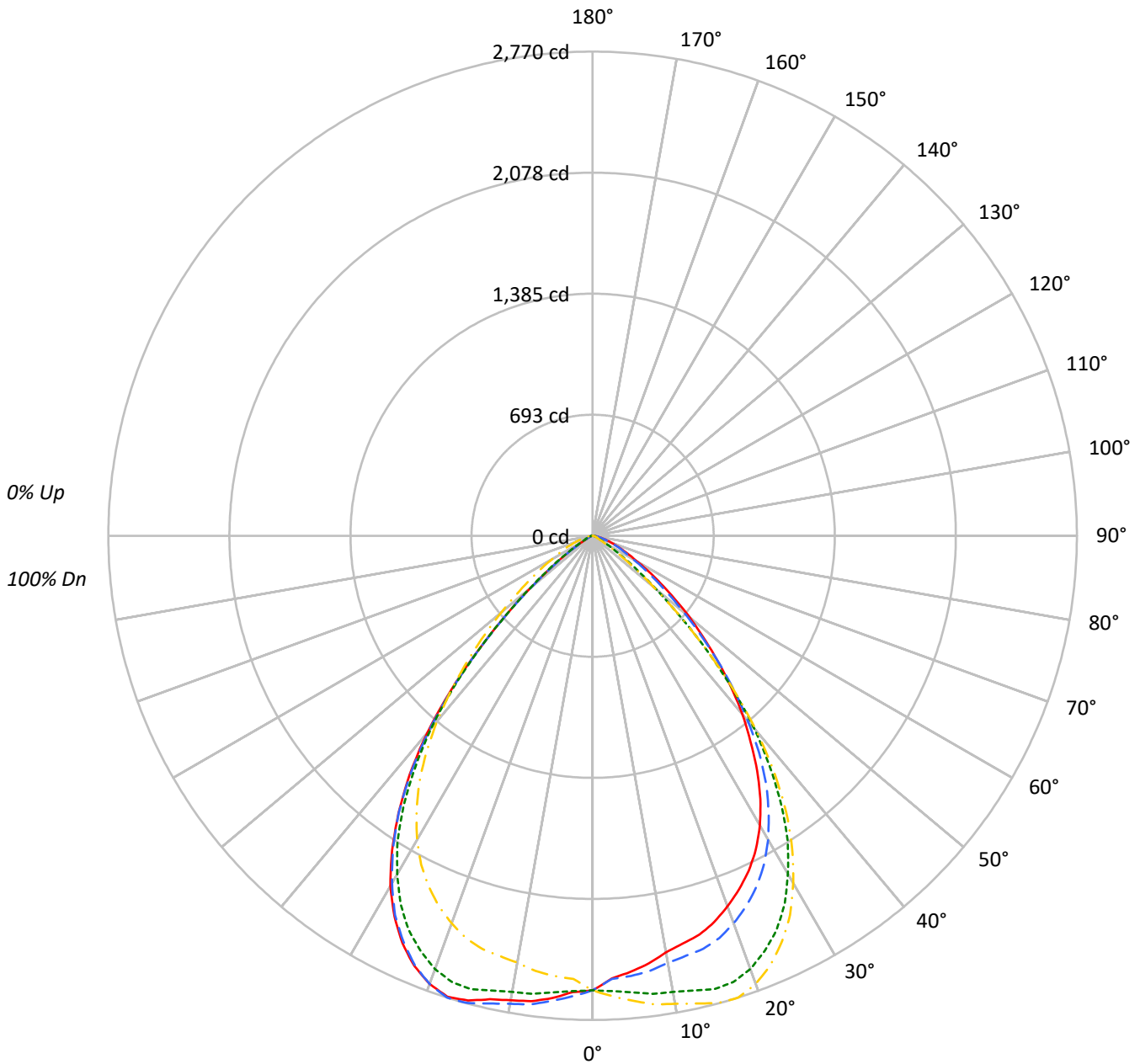
Input Watts (W): 43  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	142587	142587	142587	142587
5°	137800	144293	146131	144293
10°	134667	147481	150181	147481
15°	134042	152430	156210	152430
20°	131600	153862	159153	153862
25°	127840	150553	155682	150553
30°	121133	141452	146440	141452
35°	109827	126043	129489	126043
40°	95336	102707	105312	102707
45°	78163	70891	71364	70891
50°	61456	39760	38992	39760
55°	45437	19679	17662	19679
60°	32212	8640	6304	8640
65°	23971	5500	3917	5500
70°	17471	4360	2901	4360
75°	12814	3198	1927	3198
80°	8587	2873	947	2873
85°	5724	1887	1887	1887



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	249.0	5.7
10°-20°	737.5	17.0
20°-30°	1100.5	25.3
30°-40°	1130.7	26.0
40°-50°	732.2	16.8
50°-60°	272.3	6.3
60°-70°	89.3	2.1
70°-80°	31.5	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°	2087.0	48.0
0°-40°	3217.7	74.0
0°-60°	4222.1	97.1
0°-90°	4348.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4348.6	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	2601	2601	2601	2601	2601	
5°	2504	2622	2656	2622	2504	237
15°	2362	2686	2752	2686	2362	664
25°	2114	2489	2574	2489	2114	969
35°	1641	1883	1935	1883	1641	1019
45°	1008	914	920	914	1008	780
55°	475	206	185	206	475	433
65°	185	42	30	42	185	188
75°	60	15	9	15	60	67
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°	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0
2.5°	2534.4	2570.8	2546.5	2561.6	2537.4	2537.4	2585.9	2558.6	2579.8	2558.6	2537.4
5°	2504.1	2549.5	2519.2	2534.4	2513.1	2516.2	2561.6	2540.4	2561.6	2546.5	2528.4
7.5°	2467.8	2513.1	2485.9	2501.1	2479.9	2485.9	2534.4	2513.1	2537.4	2522.2	2510.1
10°	2419.2	2467.8	2443.5	2458.6	2440.5	2443.5	2492.0	2476.9	2498.0	2489.0	2479.9
12.5°	2389.0	2434.5	2407.2	2422.4	2410.2	2416.2	2461.8	2449.6	2476.9	2467.8	2461.8
15°	2361.8	2404.1	2380.0	2395.1	2386.0	2389.0	2437.5	2425.4	2455.6	2449.6	2446.6
17.5°	2316.4	2361.8	2334.5	2352.8	2343.6	2346.6	2395.1	2386.0	2416.2	2416.2	2413.2
20°	2255.8	2301.2	2280.0	2292.1	2286.1	2292.1	2334.5	2328.5	2358.8	2358.8	2358.8
22.5°	2189.2	2234.6	2210.4	2222.5	2216.5	2225.5	2264.9	2264.9	2289.1	2292.1	2295.1
25°	2113.5	2158.9	2134.6	2149.9	2143.8	2149.9	2186.1	2189.2	2210.4	2210.4	2216.5
27.5°	2022.6	2068.1	2043.9	2056.0	2052.9	2056.0	2095.4	2101.4	2113.5	2116.5	2122.6
30°	1913.6	1956.0	1931.9	1943.9	1943.9	1943.9	1983.2	1986.4	1998.4	2001.5	2007.5
32.5°	1786.5	1822.8	1804.6	1816.8	1813.8	1819.8	1847.0	1859.1	1874.2	1871.2	1874.2
35°	1641.1	1680.5	1662.4	1671.4	1674.5	1683.5	1701.8	1716.9	1719.9	1722.9	1729.0
37.5°	1483.6	1523.0	1504.9	1514.0	1517.0	1535.1	1541.2	1556.4	1562.4	1562.4	1562.4
40°	1332.2	1350.5	1335.4	1344.4	1347.4	1362.6	1368.6	1380.8	1386.8	1383.8	1380.8
42.5°	1168.8	1183.9	1168.8	1177.9	1177.9	1190.0	1193.0	1208.1	1208.1	1202.1	1193.0
45°	1008.2	1023.5	1008.2	1014.4	1014.4	1026.5	1026.5	1026.5	1032.5	1023.5	1008.2
47.5°	856.9	872.0	856.9	863.0	859.9	869.0	866.0	869.0	859.9	853.9	835.8
50°	720.6	726.8	720.6	717.6	720.6	726.8	723.6	723.6	711.5	702.5	681.2
52.5°	587.4	596.5	587.4	587.4	587.4	593.5	593.5	590.5	578.4	566.2	545.0
55°	475.4	481.5	478.4	475.4	475.4	481.5	475.4	475.4	463.2	454.2	433.0
57.5°	378.5	381.5	378.5	378.5	378.5	381.5	381.5	375.5	366.4	357.2	342.1
60°	293.8	296.8	296.8	293.8	293.8	299.8	299.8	296.8	287.6	281.6	266.5
62.5°	233.1	233.1	233.1	233.1	233.1	236.1	236.1	236.1	230.1	224.1	212.0
65°	184.8	187.8	184.8	184.8	187.8	190.8	187.8	190.8	184.8	181.6	172.6
67.5°	142.2	145.4	142.2	145.4	145.4	148.4	145.4	148.4	142.2	139.2	133.2
70°	109.0	109.0	109.0	109.0	109.0	112.0	109.0	112.0	109.0	106.0	99.9
72.5°	81.8	81.8	84.8	84.8	81.8	84.8	81.8	81.8	81.8	78.8	75.8
75°	60.5	60.5	63.6	60.5	60.5	60.5	60.5	60.5	57.5	57.5	54.5
77.5°	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	39.4	39.4	36.4
80°	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	27.2	24.2	24.2
82.5°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	15.1	15.1
85°	9.1	9.1	9.1	12.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
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°	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0
2.5°	2561.6	2570.8	2570.8	2561.6	2582.9	2564.6	2601.0	2567.6	2576.8	2607.0	2604.0
5°	2552.5	2564.6	2567.6	2561.6	2588.9	2573.8	2610.1	2576.8	2591.9	2622.1	2622.1
7.5°	2540.4	2555.6	2561.6	2567.6	2591.9	2576.8	2619.1	2585.9	2607.0	2643.4	2640.4
10°	2513.1	2534.4	2546.5	2555.6	2579.8	2570.8	2616.1	2588.9	2607.0	2649.4	2646.4
12.5°	2498.0	2522.2	2540.4	2555.6	2582.9	2576.8	2622.1	2598.0	2622.1	2664.6	2664.6
15°	2485.9	2513.1	2534.4	2561.6	2588.9	2582.9	2631.2	2610.1	2634.2	2685.8	2682.8
17.5°	2455.6	2489.0	2510.1	2540.4	2567.6	2564.6	2616.1	2601.0	2628.2	2676.6	2679.8
20°	2404.1	2434.5	2458.6	2495.0	2525.2	2519.2	2573.8	2558.6	2585.9	2637.4	2640.4
22.5°	2337.5	2367.9	2392.0	2431.4	2458.6	2455.6	2510.1	2495.0	2522.2	2570.8	2573.8
25°	2258.9	2286.1	2310.2	2346.6	2376.9	2376.9	2425.4	2410.2	2440.5	2489.0	2489.0
27.5°	2162.0	2186.1	2207.4	2249.8	2274.0	2274.0	2319.4	2304.2	2334.5	2376.9	2373.9
30°	2043.9	2065.0	2083.2	2119.5	2140.8	2143.8	2183.1	2168.0	2198.2	2234.6	2234.6
32.5°	1901.5	1922.8	1934.9	1980.2	1995.4	1992.4	2022.6	2007.5	2037.8	2077.1	2068.1
35°	1750.1	1759.2	1768.2	1813.8	1819.8	1807.6	1838.0	1822.8	1844.0	1883.4	1877.4
37.5°	1577.5	1580.6	1580.6	1620.0	1623.0	1613.9	1632.0	1613.9	1629.0	1665.4	1662.4
40°	1386.8	1383.8	1380.8	1411.0	1408.0	1389.9	1401.9	1386.8	1408.0	1435.2	1420.1
42.5°	1193.0	1183.9	1171.8	1187.0	1174.9	1159.8	1165.8	1141.5	1156.6	1177.9	1159.8
45°	1002.2	984.1	959.9	962.9	947.8	929.6	920.5	896.2	893.2	914.4	899.2
47.5°	823.6	787.2	766.1	754.0	729.8	714.6	696.4	669.1	657.0	669.1	654.0
50°	663.1	626.8	599.5	572.2	548.0	529.9	499.6	481.5	463.2	466.2	454.2
52.5°	523.9	499.6	454.2	433.0	408.8	387.6	360.4	339.1	317.9	317.9	305.9
55°	414.9	381.5	351.2	321.0	296.8	278.6	251.4	230.1	208.9	205.9	193.8
57.5°	321.0	296.8	263.4	233.1	218.0	199.9	172.6	148.4	136.2	127.1	118.1
60°	248.2	224.1	196.9	172.6	154.4	142.2	115.0	96.9	84.8	78.8	69.6
62.5°	199.9	178.6	154.4	130.2	118.1	106.0	84.8	69.6	57.5	51.5	45.4
65°	160.5	142.2	124.1	106.0	96.9	84.8	69.6	57.5	48.5	42.4	36.4
67.5°	124.1	112.0	96.9	84.8	75.8	66.6	54.5	45.4	39.4	33.2	30.2
70°	93.9	84.8	75.8	63.6	57.5	51.5	42.4	33.2	30.2	27.2	24.2
72.5°	72.6	63.6	54.5	48.5	42.4	39.4	33.2	27.2	24.2	21.2	18.1
75°	48.5	45.4	39.4	33.2	30.2	27.2	24.2	21.2	18.1	15.1	15.1
77.5°	33.2	30.2	27.2	24.2	21.2	21.2	18.1	15.1	12.1	12.1	9.1
80°	21.2	18.1	18.1	15.1	15.1	15.1	12.1	9.1	9.1	9.1	6.0
82.5°	15.1	12.1	12.1	9.1	9.1	9.1	9.1	6.0	6.0	6.0	3.0
85°	9.1	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°	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0
2.5°	2579.8	2607.0	2607.0	2631.2	2634.2	2628.2	2601.0	2601.0	2637.4	2658.5	2622.1
5°	2604.0	2631.2	2631.2	2655.5	2667.6	2658.5	2631.2	2634.2	2670.6	2694.9	2658.5
7.5°	2625.2	2652.5	2658.5	2685.8	2694.9	2685.8	2658.5	2664.6	2703.9	2725.1	2688.8
10°	2634.2	2661.5	2664.6	2694.9	2707.0	2694.9	2673.6	2676.6	2719.1	2734.2	2700.9
12.5°	2655.5	2682.8	2682.8	2716.0	2728.1	2719.1	2691.9	2697.9	2740.2	2755.4	2722.1
15°	2676.6	2703.9	2703.9	2740.2	2755.4	2743.2	2722.1	2725.1	2767.5	2782.6	2755.4
17.5°	2676.6	2700.9	2700.9	2740.2	2755.4	2746.4	2722.1	2725.1	2770.5	2782.6	2755.4
20°	2637.4	2664.6	2658.5	2697.9	2713.0	2703.9	2682.8	2682.8	2728.1	2740.2	2713.0
22.5°	2573.8	2598.0	2591.9	2628.2	2646.4	2634.2	2616.1	2613.1	2658.5	2670.6	2643.4
25°	2485.9	2510.1	2504.1	2540.4	2558.6	2543.5	2522.2	2525.2	2561.6	2579.8	2555.6
27.5°	2383.0	2398.1	2389.0	2425.4	2443.5	2428.4	2407.2	2410.2	2446.6	2458.6	2440.5
30°	2243.8	2255.8	2246.8	2277.0	2289.1	2280.0	2261.9	2261.9	2295.1	2310.2	2292.1
32.5°	2077.1	2086.2	2077.1	2101.4	2125.6	2107.4	2089.2	2089.2	2125.6	2137.8	2116.5
35°	1883.4	1892.5	1886.4	1910.6	1928.8	1904.6	1889.4	1883.4	1931.9	1925.8	1913.6
37.5°	1668.4	1674.5	1656.2	1698.6	1707.8	1680.5	1668.4	1662.4	1704.8	1701.8	1689.6
40°	1426.1	1432.2	1420.1	1450.4	1453.4	1432.2	1423.1	1414.0	1456.4	1453.4	1444.4
42.5°	1168.8	1171.8	1156.6	1180.9	1187.0	1165.8	1162.8	1150.6	1190.0	1183.9	1180.9
45°	902.4	902.4	890.2	908.4	914.4	896.2	890.2	887.1	914.4	914.4	908.4
47.5°	654.0	645.0	629.8	657.0	660.1	648.0	645.0	635.9	663.1	663.1	657.0
50°	448.1	445.1	442.1	448.1	451.1	436.0	445.1	436.0	451.1	451.1	451.1
52.5°	299.8	296.8	290.6	296.8	296.8	287.6	287.6	284.6	296.8	296.8	290.6
55°	187.8	184.8	181.6	184.8	184.8	175.6	181.6	175.6	181.6	181.6	178.6
57.5°	115.0	109.0	109.0	106.0	106.0	99.9	103.0	103.0	103.0	103.0	103.0
60°	66.6	63.6	60.5	60.5	60.5	57.5	57.5	57.5	57.5	57.5	57.5
62.5°	42.4	42.4	39.4	39.4	39.4	39.4	39.4	36.4	39.4	39.4	39.4
65°	36.4	33.2	33.2	33.2	33.2	30.2	30.2	30.2	30.2	30.2	30.2
67.5°	30.2	27.2	27.2	27.2	27.2	24.2	24.2	24.2	24.2	24.2	24.2
70°	24.2	21.2	21.2	21.2	21.2	21.2	18.1	21.2	21.2	18.1	18.1
72.5°	18.1	18.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
75°	12.1	12.1	12.1	12.1	12.1	9.1	9.1	9.1	9.1	9.1	9.1
77.5°	9.1	9.1	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: P212832

CATALOG NUMBER: LE\_6B40D010 EC6B30509050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0
2.5°	2664.6	2634.2	2619.1	2649.4	2661.5	2646.4	2634.2	2613.1	2634.2	2646.4	2661.5
5°	2700.9	2673.6	2661.5	2682.8	2700.9	2685.8	2676.6	2655.5	2676.6	2685.8	2700.9
7.5°	2734.2	2707.0	2691.9	2713.0	2734.2	2713.0	2703.9	2685.8	2703.9	2713.0	2734.2
10°	2746.4	2716.0	2703.9	2722.1	2743.2	2722.1	2710.0	2697.9	2710.0	2722.1	2743.2
12.5°	2767.5	2737.2	2722.1	2737.2	2758.5	2737.2	2725.1	2716.0	2725.1	2737.2	2758.5
15°	2797.8	2770.5	2752.4	2767.5	2794.8	2770.5	2755.4	2752.4	2755.4	2770.5	2794.8
17.5°	2797.8	2776.6	2758.5	2770.5	2797.8	2779.6	2758.5	2764.5	2758.5	2779.6	2797.8
20°	2758.5	2737.2	2722.1	2722.1	2761.5	2737.2	2719.1	2728.1	2719.1	2737.2	2761.5
22.5°	2688.8	2670.6	2655.5	2652.5	2691.9	2670.6	2646.4	2664.6	2646.4	2670.6	2691.9
25°	2598.0	2579.8	2567.6	2561.6	2601.0	2576.8	2555.6	2573.8	2555.6	2576.8	2601.0
27.5°	2479.9	2464.8	2452.6	2443.5	2479.9	2458.6	2437.5	2455.6	2437.5	2458.6	2479.9
30°	2328.5	2319.4	2307.2	2295.1	2331.5	2310.2	2289.1	2313.4	2289.1	2310.2	2331.5
32.5°	2152.9	2146.8	2131.6	2119.5	2155.9	2131.6	2116.5	2134.6	2116.5	2131.6	2155.9
35°	1950.0	1940.9	1931.9	1910.6	1950.0	1928.8	1928.8	1934.9	1928.8	1928.8	1950.0
37.5°	1722.9	1716.9	1704.8	1686.5	1719.9	1704.8	1698.6	1716.9	1698.6	1704.8	1719.9
40°	1468.5	1465.5	1456.4	1435.2	1471.6	1456.4	1447.4	1471.6	1447.4	1456.4	1471.6
42.5°	1202.1	1196.0	1187.0	1183.9	1202.1	1190.0	1199.0	1199.0	1199.0	1190.0	1202.1
45°	926.5	920.5	914.4	902.4	923.5	917.5	914.4	920.5	914.4	917.5	923.5
47.5°	672.2	666.1	660.1	651.0	672.2	663.1	663.1	669.1	663.1	663.1	672.2
50°	451.1	454.2	451.1	445.1	451.1	448.1	451.1	457.2	451.1	448.1	451.1
52.5°	299.8	299.8	293.8	290.6	296.8	293.8	302.8	296.8	302.8	293.8	296.8
55°	181.6	184.8	181.6	178.6	181.6	178.6	187.8	184.8	187.8	178.6	181.6
57.5°	103.0	103.0	106.0	103.0	109.0	106.0	106.0	106.0	106.0	106.0	109.0
60°	57.5	57.5	57.5	57.5	57.5	57.5	60.5	57.5	60.5	57.5	57.5
62.5°	39.4	39.4	39.4	36.4	39.4	36.4	39.4	39.4	39.4	36.4	39.4
65°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
67.5°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2
70°	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1	18.1
72.5°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
75°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
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: P212832

CATALOG NUMBER: LE\_6B40D010 EC6B30509050 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0
2.5°	2649.4	2619.1	2634.2	2664.6	2622.1	2658.5	2637.4	2601.0	2601.0	2628.2	2634.2
5°	2682.8	2661.5	2673.6	2700.9	2658.5	2694.9	2670.6	2634.2	2631.2	2658.5	2667.6
7.5°	2713.0	2691.9	2707.0	2734.2	2688.8	2725.1	2703.9	2664.6	2658.5	2685.8	2694.9
10°	2722.1	2703.9	2716.0	2746.4	2700.9	2734.2	2719.1	2676.6	2673.6	2694.9	2707.0
12.5°	2737.2	2722.1	2737.2	2767.5	2722.1	2755.4	2740.2	2697.9	2691.9	2719.1	2728.1
15°	2767.5	2752.4	2770.5	2797.8	2755.4	2782.6	2767.5	2725.1	2722.1	2743.2	2755.4
17.5°	2770.5	2758.5	2776.6	2797.8	2755.4	2782.6	2770.5	2725.1	2722.1	2746.4	2755.4
20°	2722.1	2722.1	2737.2	2758.5	2713.0	2740.2	2728.1	2682.8	2682.8	2703.9	2713.0
22.5°	2652.5	2655.5	2670.6	2688.8	2643.4	2670.6	2658.5	2613.1	2616.1	2634.2	2646.4
25°	2561.6	2567.6	2579.8	2598.0	2555.6	2579.8	2561.6	2525.2	2522.2	2543.5	2558.6
27.5°	2443.5	2452.6	2464.8	2479.9	2440.5	2458.6	2446.6	2410.2	2407.2	2428.4	2443.5
30°	2295.1	2307.2	2319.4	2328.5	2292.1	2310.2	2295.1	2261.9	2261.9	2280.0	2289.1
32.5°	2119.5	2131.6	2146.8	2152.9	2116.5	2137.8	2125.6	2089.2	2089.2	2107.4	2125.6
35°	1910.6	1931.9	1940.9	1950.0	1913.6	1925.8	1931.9	1883.4	1889.4	1904.6	1928.8
37.5°	1686.5	1704.8	1716.9	1722.9	1689.6	1701.8	1704.8	1662.4	1668.4	1680.5	1707.8
40°	1435.2	1456.4	1465.5	1468.5	1444.4	1453.4	1456.4	1414.0	1423.1	1432.2	1453.4
42.5°	1183.9	1187.0	1196.0	1202.1	1180.9	1183.9	1190.0	1150.6	1162.8	1165.8	1187.0
45°	902.4	914.4	920.5	926.5	908.4	914.4	914.4	887.1	890.2	896.2	914.4
47.5°	651.0	660.1	666.1	672.2	657.0	663.1	663.1	635.9	645.0	648.0	660.1
50°	445.1	451.1	454.2	451.1	451.1	451.1	451.1	436.0	445.1	436.0	451.1
52.5°	290.6	293.8	299.8	299.8	290.6	296.8	296.8	284.6	287.6	287.6	296.8
55°	178.6	181.6	184.8	181.6	178.6	181.6	181.6	175.6	181.6	175.6	184.8
57.5°	103.0	106.0	103.0	103.0	103.0	103.0	103.0	103.0	103.0	99.9	106.0
60°	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	60.5
62.5°	36.4	39.4	39.4	39.4	39.4	39.4	39.4	36.4	39.4	39.4	39.4
65°	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	33.2
67.5°	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	27.2
70°	18.1	18.1	18.1	18.1	18.1	18.1	21.2	21.2	18.1	21.2	21.2
72.5°	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1	15.1
75°	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1	12.1
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: P212832

CATALOG NUMBER: LE\_6B40D010 EC6B30509050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0
2.5°	2631.2	2607.0	2607.0	2579.8	2604.0	2607.0	2576.8	2567.6	2601.0	2564.6	2582.9
5°	2655.5	2631.2	2631.2	2604.0	2622.1	2622.1	2591.9	2576.8	2610.1	2573.8	2588.9
7.5°	2685.8	2658.5	2652.5	2625.2	2640.4	2643.4	2607.0	2585.9	2619.1	2576.8	2591.9
10°	2694.9	2664.6	2661.5	2634.2	2646.4	2649.4	2607.0	2588.9	2616.1	2570.8	2579.8
12.5°	2716.0	2682.8	2682.8	2655.5	2664.6	2664.6	2622.1	2598.0	2622.1	2576.8	2582.9
15°	2740.2	2703.9	2703.9	2676.6	2682.8	2685.8	2634.2	2610.1	2631.2	2582.9	2588.9
17.5°	2740.2	2700.9	2700.9	2676.6	2679.8	2676.6	2628.2	2601.0	2616.1	2564.6	2567.6
20°	2697.9	2658.5	2664.6	2637.4	2640.4	2637.4	2585.9	2558.6	2573.8	2519.2	2525.2
22.5°	2628.2	2591.9	2598.0	2573.8	2573.8	2570.8	2522.2	2495.0	2510.1	2455.6	2458.6
25°	2540.4	2504.1	2510.1	2485.9	2489.0	2489.0	2440.5	2410.2	2425.4	2376.9	2376.9
27.5°	2425.4	2389.0	2398.1	2383.0	2373.9	2376.9	2334.5	2304.2	2319.4	2274.0	2274.0
30°	2277.0	2246.8	2255.8	2243.8	2234.6	2234.6	2198.2	2168.0	2183.1	2143.8	2140.8
32.5°	2101.4	2077.1	2086.2	2077.1	2068.1	2077.1	2037.8	2007.5	2022.6	1992.4	1995.4
35°	1910.6	1886.4	1892.5	1883.4	1877.4	1883.4	1844.0	1822.8	1838.0	1807.6	1819.8
37.5°	1698.6	1656.2	1674.5	1668.4	1662.4	1665.4	1629.0	1613.9	1632.0	1613.9	1623.0
40°	1450.4	1420.1	1432.2	1426.1	1420.1	1435.2	1408.0	1386.8	1401.9	1389.9	1408.0
42.5°	1180.9	1156.6	1171.8	1168.8	1159.8	1177.9	1156.6	1141.5	1165.8	1159.8	1174.9
45°	908.4	890.2	902.4	902.4	899.2	914.4	893.2	896.2	920.5	929.6	947.8
47.5°	657.0	629.8	645.0	654.0	654.0	669.1	657.0	669.1	696.4	714.6	729.8
50°	448.1	442.1	445.1	448.1	454.2	466.2	463.2	481.5	499.6	529.9	548.0
52.5°	296.8	290.6	296.8	299.8	305.9	317.9	317.9	339.1	360.4	387.6	408.8
55°	184.8	181.6	184.8	187.8	193.8	205.9	208.9	230.1	251.4	278.6	296.8
57.5°	106.0	109.0	109.0	115.0	118.1	127.1	136.2	148.4	172.6	199.9	218.0
60°	60.5	60.5	63.6	66.6	69.6	78.8	84.8	96.9	115.0	142.2	154.4
62.5°	39.4	39.4	42.4	42.4	45.4	51.5	57.5	69.6	84.8	106.0	118.1
65°	33.2	33.2	33.2	36.4	36.4	42.4	48.5	57.5	69.6	84.8	96.9
67.5°	27.2	27.2	27.2	30.2	30.2	33.2	39.4	45.4	54.5	66.6	75.8
70°	21.2	21.2	21.2	24.2	24.2	27.2	30.2	33.2	42.4	51.5	57.5
72.5°	15.1	15.1	18.1	18.1	18.1	21.2	24.2	27.2	33.2	39.4	42.4
75°	12.1	12.1	12.1	12.1	15.1	15.1	18.1	21.2	24.2	27.2	30.2
77.5°	6.0	6.0	9.1	9.1	9.1	12.1	12.1	15.1	18.1	21.2	21.2
80°	6.0	6.0	6.0	6.0	6.0	9.1	9.1	9.1	12.1	15.1	15.1
82.5°	3.0	3.0	3.0	3.0	3.0	6.0	6.0	6.0	9.1	9.1	9.1
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: P212832

CATALOG NUMBER: LE\_6B40D010 EC6B30509050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0	2601.0
2.5°	2561.6	2570.8	2570.8	2561.6	2537.4	2558.6	2579.8	2558.6	2585.9	2537.4	2537.4
5°	2561.6	2567.6	2564.6	2552.5	2528.4	2546.5	2561.6	2540.4	2561.6	2516.2	2513.1
7.5°	2567.6	2561.6	2555.6	2540.4	2510.1	2522.2	2537.4	2513.1	2534.4	2485.9	2479.9
10°	2555.6	2546.5	2534.4	2513.1	2479.9	2489.0	2498.0	2476.9	2492.0	2443.5	2440.5
12.5°	2555.6	2540.4	2522.2	2498.0	2461.8	2467.8	2476.9	2449.6	2461.8	2416.2	2410.2
15°	2561.6	2534.4	2513.1	2485.9	2446.6	2449.6	2455.6	2425.4	2437.5	2389.0	2386.0
17.5°	2540.4	2510.1	2489.0	2455.6	2413.2	2416.2	2416.2	2386.0	2395.1	2346.6	2343.6
20°	2495.0	2458.6	2434.5	2404.1	2358.8	2358.8	2358.8	2328.5	2334.5	2292.1	2286.1
22.5°	2431.4	2392.0	2367.9	2337.5	2295.1	2292.1	2289.1	2264.9	2264.9	2225.5	2216.5
25°	2346.6	2310.2	2286.1	2258.9	2216.5	2210.4	2210.4	2189.2	2186.1	2149.9	2143.8
27.5°	2249.8	2207.4	2186.1	2162.0	2122.6	2116.5	2113.5	2101.4	2095.4	2056.0	2052.9
30°	2119.5	2083.2	2065.0	2043.9	2007.5	2001.5	1998.4	1986.4	1983.2	1943.9	1943.9
32.5°	1980.2	1934.9	1922.8	1901.5	1874.2	1871.2	1874.2	1859.1	1847.0	1819.8	1813.8
35°	1813.8	1768.2	1759.2	1750.1	1729.0	1722.9	1719.9	1716.9	1701.8	1683.5	1674.5
37.5°	1620.0	1580.6	1580.6	1577.5	1562.4	1562.4	1562.4	1556.4	1541.2	1535.1	1517.0
40°	1411.0	1380.8	1383.8	1386.8	1380.8	1383.8	1386.8	1380.8	1368.6	1362.6	1347.4
42.5°	1187.0	1171.8	1183.9	1193.0	1193.0	1202.1	1208.1	1208.1	1193.0	1190.0	1177.9
45°	962.9	959.9	984.1	1002.2	1008.2	1023.5	1032.5	1026.5	1026.5	1026.5	1014.4
47.5°	754.0	766.1	787.2	823.6	835.8	853.9	859.9	869.0	866.0	869.0	859.9
50°	572.2	599.5	626.8	663.1	681.2	702.5	711.5	723.6	723.6	726.8	720.6
52.5°	433.0	454.2	499.6	523.9	545.0	566.2	578.4	590.5	593.5	593.5	587.4
55°	321.0	351.2	381.5	414.9	433.0	454.2	463.2	475.4	475.4	481.5	475.4
57.5°	233.1	263.4	296.8	321.0	342.1	357.2	366.4	375.5	381.5	381.5	378.5
60°	172.6	196.9	224.1	248.2	266.5	281.6	287.6	296.8	299.8	299.8	293.8
62.5°	130.2	154.4	178.6	199.9	212.0	224.1	230.1	236.1	236.1	236.1	233.1
65°	106.0	124.1	142.2	160.5	172.6	181.6	184.8	190.8	187.8	190.8	187.8
67.5°	84.8	96.9	112.0	124.1	133.2	139.2	142.2	148.4	145.4	148.4	145.4
70°	63.6	75.8	84.8	93.9	99.9	106.0	109.0	112.0	109.0	112.0	109.0
72.5°	48.5	54.5	63.6	72.6	75.8	78.8	81.8	81.8	81.8	84.8	81.8
75°	33.2	39.4	45.4	48.5	54.5	57.5	57.5	60.5	60.5	60.5	60.5
77.5°	24.2	27.2	30.2	33.2	36.4	39.4	39.4	42.4	42.4	42.4	42.4
80°	15.1	18.1	18.1	21.2	24.2	24.2	27.2	27.2	27.2	27.2	27.2
82.5°	9.1	12.1	12.1	15.1	15.1	15.1	18.1	18.1	18.1	18.1	18.1
85°	6.0	6.0	6.0	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
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: P212832

CATALOG NUMBER: LE\_6B40D010 EC6B30509050 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	2601.0	2601.0	2601.0	2601.0
2.5°	2561.6	2546.5	2570.8	2534.4
5°	2534.4	2519.2	2549.5	2504.1
7.5°	2501.1	2485.9	2513.1	2467.8
10°	2458.6	2443.5	2467.8	2419.2
12.5°	2422.4	2407.2	2434.5	2389.0
15°	2395.1	2380.0	2404.1	2361.8
17.5°	2352.8	2334.5	2361.8	2316.4
20°	2292.1	2280.0	2301.2	2255.8
22.5°	2222.5	2210.4	2234.6	2189.2
25°	2149.9	2134.6	2158.9	2113.5
27.5°	2056.0	2043.9	2068.1	2022.6
30°	1943.9	1931.9	1956.0	1913.6
32.5°	1816.8	1804.6	1822.8	1786.5
35°	1671.4	1662.4	1680.5	1641.1
37.5°	1514.0	1504.9	1523.0	1483.6
40°	1344.4	1335.4	1350.5	1332.2
42.5°	1177.9	1168.8	1183.9	1168.8
45°	1014.4	1008.2	1023.5	1008.2
47.5°	863.0	856.9	872.0	856.9
50°	717.6	720.6	726.8	720.6
52.5°	587.4	587.4	596.5	587.4
55°	475.4	478.4	481.5	475.4
57.5°	378.5	378.5	381.5	378.5
60°	293.8	296.8	296.8	293.8
62.5°	233.1	233.1	233.1	233.1
65°	184.8	184.8	187.8	184.8
67.5°	145.4	142.2	145.4	142.2
70°	109.0	109.0	109.0	109.0
72.5°	84.8	84.8	81.8	81.8
75°	60.5	63.6	60.5	60.5
77.5°	42.4	42.4	42.4	42.4
80°	27.2	27.2	27.2	27.2
82.5°	18.1	18.1	18.1	18.1
85°	12.1	9.1	9.1	9.1
87.5°	6.0	3.0	3.0	3.0
90°	0.0	0.0	0.0	0.0



Report Generated By E9808895 / USPTCWHP6082093





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

























(END OF REPORT)