

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: io LED

Report Number: P212858

Luminaire Tested: **LD6B60D010TE EU6B60709050 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212858
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: io LED
Catalog Number: LD6B60D010TE EU6B60709050 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: 4973.2 lumens
Efficiency: N/A
Efficacy: 79.6 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

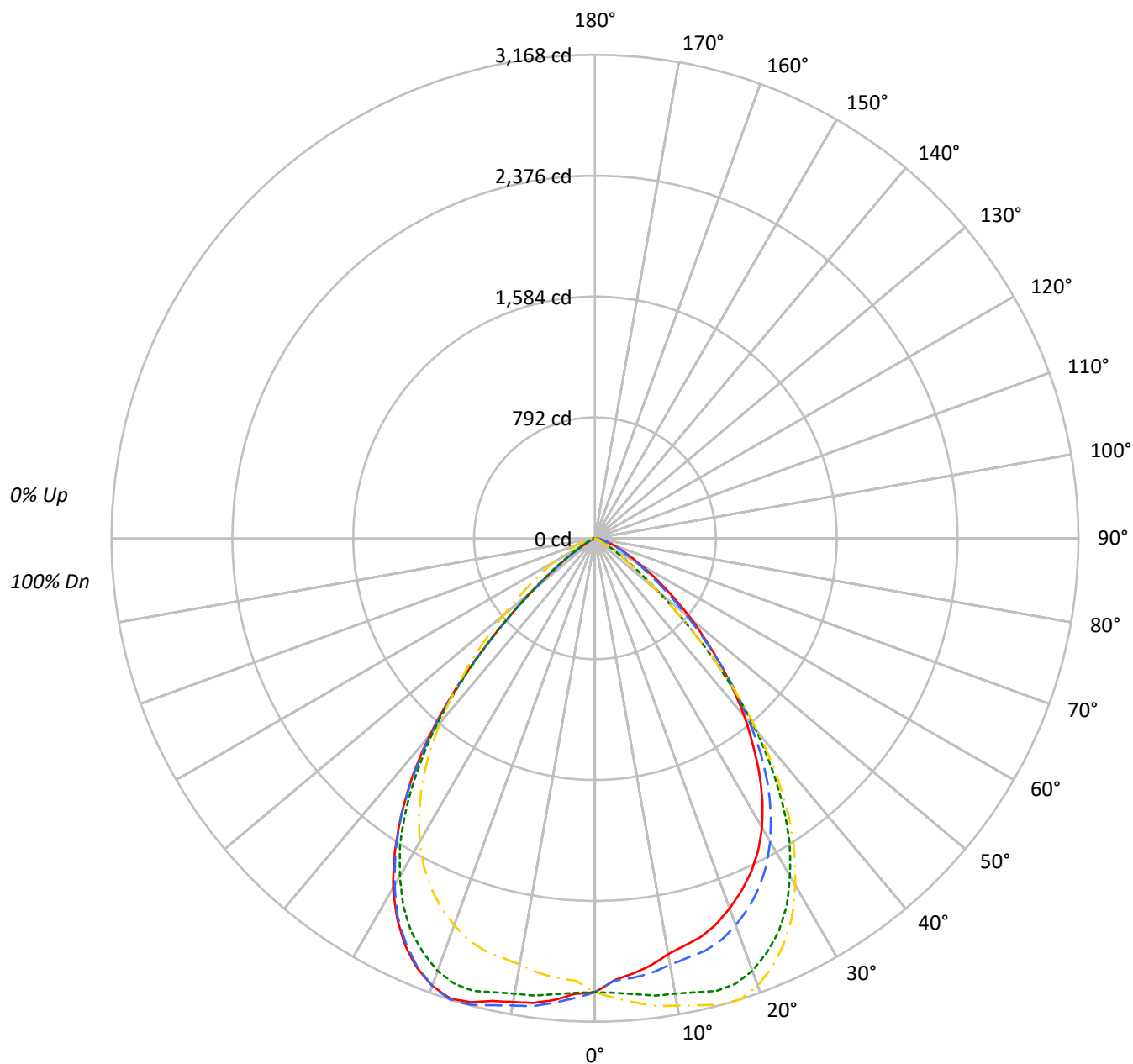
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	163063	163063	163063	163063
5°	157588	165017	167114	165017
10°	154011	168662	171746	168662
15°	153287	174320	178639	174320
20°	150496	175949	182010	175949
25°	146198	172171	178032	172171
30°	138534	161765	167462	161765
35°	125601	144139	148081	144139
40°	109033	117456	120433	117456
45°	89397	81070	81613	81070
50°	70283	45483	44596	45483
55°	51965	22508	20186	22508
60°	36828	9868	7214	9868
65°	27396	6291	4488	6291
70°	19987	5001	3334	5001
75°	14678	3664	2203	3664
80°	9850	3283	1105	3283
85°	6542	2201	2201	2201



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.8	5.7
10°-20°	843.4	17.0
20°-30°	1258.6	25.3
30°-40°	1293.1	26.0
40°-50°	837.4	16.8
50°-60°	311.4	6.3
60°-70°	102.2	2.1
70°-80°	36.0	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°	2386.7	48.0
0°-40°	3679.7	74.0
0°-60°	4828.5	97.1
0°-90°	4973.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4973.2	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2974	2974	2974	2974	2974	
5°	2864	2999	3037	2999	2864	271
15°	2701	3072	3148	3072	2701	760
25°	2417	2846	2943	2846	2417	1108
35°	1877	2154	2213	2154	1877	1165
45°	1153	1046	1053	1046	1153	892
55°	544	236	211	236	544	496
65°	211	48	35	48	211	215
75°	69	17	10	17	69	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°	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5
2.5°	2898.3	2939.9	2912.2	2929.5	2901.8	2901.8	2957.2	2926.0	2950.3	2926.0	2901.8
5°	2863.7	2915.6	2881.0	2898.3	2874.1	2877.5	2929.5	2905.2	2929.5	2912.2	2891.4
7.5°	2822.1	2874.1	2842.9	2860.2	2836.0	2842.9	2898.3	2874.1	2901.8	2884.5	2870.6
10°	2766.7	2822.1	2794.4	2811.7	2791.0	2794.4	2849.8	2832.5	2856.8	2846.4	2836.0
12.5°	2732.1	2784.0	2752.9	2770.2	2756.3	2763.3	2815.2	2801.4	2832.5	2822.1	2815.2
15°	2700.9	2749.4	2721.7	2739.0	2728.6	2732.1	2787.5	2773.7	2808.3	2801.4	2797.9
17.5°	2649.0	2700.9	2669.8	2690.6	2680.2	2683.6	2739.0	2728.6	2763.3	2763.3	2759.8
20°	2579.7	2631.7	2607.4	2621.3	2614.4	2621.3	2669.8	2662.9	2697.5	2697.5	2697.5
22.5°	2503.6	2555.5	2527.8	2541.7	2534.7	2545.1	2590.1	2590.1	2617.8	2621.3	2624.8
25°	2417.0	2468.9	2441.2	2458.5	2451.6	2458.5	2500.1	2503.6	2527.8	2527.8	2534.7
27.5°	2313.1	2365.1	2337.4	2351.2	2347.7	2351.2	2396.2	2403.1	2417.0	2420.5	2427.4
30°	2188.5	2236.9	2209.2	2223.1	2223.1	2223.1	2268.1	2271.6	2285.4	2288.9	2295.8
32.5°	2043.0	2084.6	2063.8	2077.6	2074.2	2081.1	2112.3	2126.1	2143.4	2140.0	2143.4
35°	1876.8	1921.8	1901.0	1911.4	1914.9	1925.3	1946.1	1963.4	1966.8	1970.3	1977.2
37.5°	1696.7	1741.8	1721.0	1731.4	1734.8	1755.6	1762.5	1779.9	1786.8	1786.8	1786.8
40°	1523.6	1544.4	1527.1	1537.5	1540.9	1558.2	1565.2	1579.0	1585.9	1582.5	1579.0
42.5°	1336.6	1353.9	1336.6	1347.0	1347.0	1360.9	1364.3	1381.6	1381.6	1374.7	1364.3
45°	1153.1	1170.4	1153.1	1160.0	1160.0	1173.9	1173.9	1173.9	1180.8	1170.4	1153.1
47.5°	980.0	997.3	980.0	986.9	983.4	993.8	990.3	993.8	983.4	976.5	955.7
50°	824.1	831.1	824.1	820.7	824.1	831.1	827.6	827.6	813.7	803.4	779.1
52.5°	671.8	682.2	671.8	671.8	671.8	678.7	678.7	675.2	661.4	647.5	623.3
55°	543.7	550.6	547.1	543.7	543.7	550.6	543.7	543.7	529.8	519.4	495.2
57.5°	432.8	436.3	432.8	432.8	432.8	436.3	436.3	429.4	419.0	408.6	391.3
60°	335.9	339.3	339.3	335.9	335.9	342.8	342.8	339.3	329.0	322.0	304.7
62.5°	266.6	266.6	266.6	266.6	266.6	270.1	270.1	270.1	263.2	256.2	242.4
65°	211.2	214.7	211.2	211.2	214.7	218.2	214.7	218.2	211.2	207.8	197.4
67.5°	162.7	166.2	162.7	166.2	166.2	169.7	166.2	169.7	162.7	159.3	152.4
70°	124.7	124.7	124.7	124.7	124.7	128.1	124.7	128.1	124.7	121.2	114.3
72.5°	93.5	93.5	97.0	97.0	93.5	97.0	93.5	93.5	93.5	90.0	86.6
75°	69.3	69.3	72.7	69.3	69.3	69.3	69.3	69.3	65.8	65.8	62.3
77.5°	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	45.0	45.0	41.6
80°	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	27.7	27.7
82.5°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	17.3	17.3
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	6.9	3.5	3.5	6.9	6.9	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°	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5
2.5°	2929.5	2939.9	2939.9	2929.5	2953.7	2932.9	2974.5	2936.4	2946.8	2981.4	2978.0
5°	2919.1	2932.9	2936.4	2929.5	2960.6	2943.3	2984.9	2946.8	2964.1	2998.7	2998.7
7.5°	2905.2	2922.6	2929.5	2936.4	2964.1	2946.8	2995.3	2957.2	2981.4	3023.0	3019.5
10°	2874.1	2898.3	2912.2	2922.6	2950.3	2939.9	2991.8	2960.6	2981.4	3029.9	3026.4
12.5°	2856.8	2884.5	2905.2	2922.6	2953.7	2946.8	2998.7	2971.0	2998.7	3047.2	3047.2
15°	2842.9	2874.1	2898.3	2929.5	2960.6	2953.7	3009.1	2984.9	3012.6	3071.5	3068.0
17.5°	2808.3	2846.4	2870.6	2905.2	2936.4	2932.9	2991.8	2974.5	3005.7	3061.1	3064.5
20°	2749.4	2784.0	2811.7	2853.3	2887.9	2881.0	2943.3	2926.0	2957.2	3016.0	3019.5
22.5°	2673.2	2707.9	2735.6	2780.6	2811.7	2808.3	2870.6	2853.3	2884.5	2939.9	2943.3
25°	2583.2	2614.4	2642.1	2683.6	2718.3	2718.3	2773.7	2756.3	2791.0	2846.4	2846.4
27.5°	2472.4	2500.1	2524.3	2572.8	2600.5	2600.5	2652.5	2635.1	2669.8	2718.3	2714.8
30°	2337.4	2361.6	2382.4	2423.9	2448.2	2451.6	2496.6	2479.3	2514.0	2555.5	2555.5
32.5°	2174.6	2198.8	2212.7	2264.6	2281.9	2278.5	2313.1	2295.8	2330.4	2375.4	2365.1
35°	2001.5	2011.9	2022.2	2074.2	2081.1	2067.3	2101.9	2084.6	2108.8	2153.8	2146.9
37.5°	1804.1	1807.6	1807.6	1852.6	1856.0	1845.6	1866.4	1845.6	1863.0	1904.5	1901.0
40°	1585.9	1582.5	1579.0	1613.6	1610.2	1589.4	1603.3	1585.9	1610.2	1641.3	1624.0
42.5°	1364.3	1353.9	1340.1	1357.4	1343.5	1326.2	1333.2	1305.5	1322.8	1347.0	1326.2
45°	1146.2	1125.4	1097.7	1101.2	1083.8	1063.1	1052.7	1025.0	1021.5	1045.7	1028.4
47.5°	941.9	900.3	876.1	862.2	834.5	817.2	796.4	765.3	751.4	765.3	748.0
50°	758.3	716.8	685.6	654.5	626.8	606.0	571.4	550.6	529.8	533.3	519.4
52.5°	599.1	571.4	519.4	495.2	467.5	443.2	412.1	387.8	363.6	363.6	349.7
55°	474.4	436.3	401.7	367.1	339.3	318.6	287.4	263.2	238.9	235.5	221.6
57.5°	367.1	339.3	301.3	266.6	249.3	228.5	197.4	169.7	155.8	145.4	135.0
60°	283.9	256.2	225.1	197.4	176.6	162.7	131.6	110.8	97.0	90.0	79.6
62.5°	228.5	204.3	176.6	148.9	135.0	121.2	97.0	79.6	65.8	58.9	51.9
65°	183.5	162.7	142.0	121.2	110.8	97.0	79.6	65.8	55.4	48.5	41.6
67.5°	142.0	128.1	110.8	97.0	86.6	76.2	62.3	51.9	45.0	38.1	34.6
70°	107.3	97.0	86.6	72.7	65.8	58.9	48.5	38.1	34.6	31.2	27.7
72.5°	83.1	72.7	62.3	55.4	48.5	45.0	38.1	31.2	27.7	24.2	20.8
75°	55.4	51.9	45.0	38.1	34.6	31.2	27.7	24.2	20.8	17.3	17.3
77.5°	38.1	34.6	31.2	27.7	24.2	24.2	20.8	17.3	13.9	13.9	10.4
80°	24.2	20.8	20.8	17.3	17.3	17.3	13.9	10.4	10.4	10.4	6.9
82.5°	17.3	13.9	13.9	10.4	10.4	10.4	10.4	6.9	6.9	6.9	3.5
85°	10.4	6.9	6.9	6.9	6.9	6.9	6.9	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°	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5
2.5°	2950.3	2981.4	2981.4	3009.1	3012.6	3005.7	2974.5	2974.5	3016.0	3040.3	2998.7
5°	2978.0	3009.1	3009.1	3036.8	3050.7	3040.3	3009.1	3012.6	3054.1	3081.8	3040.3
7.5°	3002.2	3033.4	3040.3	3071.5	3081.8	3071.5	3040.3	3047.2	3092.2	3116.5	3074.9
10°	3012.6	3043.8	3047.2	3081.8	3095.7	3081.8	3057.6	3061.1	3109.5	3126.9	3088.8
12.5°	3036.8	3068.0	3068.0	3106.1	3119.9	3109.5	3078.4	3085.3	3133.8	3151.1	3113.0
15°	3061.1	3092.2	3092.2	3133.8	3151.1	3137.2	3113.0	3116.5	3164.9	3182.3	3151.1
17.5°	3061.1	3088.8	3088.8	3133.8	3151.1	3140.7	3113.0	3116.5	3168.4	3182.3	3151.1
20°	3016.0	3047.2	3040.3	3085.3	3102.6	3092.2	3068.0	3068.0	3119.9	3133.8	3102.6
22.5°	2943.3	2971.0	2964.1	3005.7	3026.4	3012.6	2991.8	2988.3	3040.3	3054.1	3023.0
25°	2842.9	2870.6	2863.7	2905.2	2926.0	2908.7	2884.5	2887.9	2929.5	2950.3	2922.6
27.5°	2725.2	2742.5	2732.1	2773.7	2794.4	2777.1	2752.9	2756.3	2797.9	2811.7	2791.0
30°	2565.9	2579.7	2569.4	2604.0	2617.8	2607.4	2586.7	2586.7	2624.8	2642.1	2621.3
32.5°	2375.4	2385.8	2375.4	2403.1	2430.8	2410.1	2389.3	2389.3	2430.8	2444.7	2420.5
35°	2153.8	2164.2	2157.3	2185.0	2205.8	2178.1	2160.8	2153.8	2209.2	2202.3	2188.5
37.5°	1908.0	1914.9	1894.1	1942.6	1953.0	1921.8	1908.0	1901.0	1949.5	1946.1	1932.2
40°	1631.0	1637.9	1624.0	1658.7	1662.1	1637.9	1627.5	1617.1	1665.6	1662.1	1651.7
42.5°	1336.6	1340.1	1322.8	1350.5	1357.4	1333.2	1329.7	1315.8	1360.9	1353.9	1350.5
45°	1031.9	1031.9	1018.0	1038.8	1045.7	1025.0	1018.0	1014.6	1045.7	1045.7	1038.8
47.5°	748.0	737.6	720.3	751.4	754.9	741.0	737.6	727.2	758.3	758.3	751.4
50°	512.5	509.0	505.6	512.5	515.9	498.6	509.0	498.6	515.9	515.9	515.9
52.5°	342.8	339.3	332.4	339.3	339.3	329.0	329.0	325.5	339.3	339.3	332.4
55°	214.7	211.2	207.8	211.2	211.2	200.8	207.8	200.8	207.8	207.8	204.3
57.5°	131.6	124.7	124.7	121.2	121.2	114.3	117.7	117.7	117.7	117.7	117.7
60°	76.2	72.7	69.3	69.3	69.3	65.8	65.8	65.8	65.8	65.8	65.8
62.5°	48.5	48.5	45.0	45.0	45.0	45.0	45.0	41.6	45.0	45.0	45.0
65°	41.6	38.1	38.1	38.1	38.1	34.6	34.6	34.6	34.6	34.6	34.6
67.5°	34.6	31.2	31.2	31.2	31.2	27.7	27.7	27.7	27.7	27.7	27.7
70°	27.7	24.2	24.2	24.2	24.2	24.2	20.8	24.2	24.2	20.8	20.8
72.5°	20.8	20.8	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
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	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	6.9	6.9	6.9	6.9	6.9	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: P212858

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5
2.5°	3047.2	3012.6	2995.3	3029.9	3043.8	3026.4	3012.6	2988.3	3012.6	3026.4	3043.8
5°	3088.8	3057.6	3043.8	3068.0	3088.8	3071.5	3061.1	3036.8	3061.1	3071.5	3088.8
7.5°	3126.9	3095.7	3078.4	3102.6	3126.9	3102.6	3092.2	3071.5	3092.2	3102.6	3126.9
10°	3140.7	3106.1	3092.2	3113.0	3137.2	3113.0	3099.2	3085.3	3099.2	3113.0	3137.2
12.5°	3164.9	3130.3	3113.0	3130.3	3154.6	3130.3	3116.5	3106.1	3116.5	3130.3	3154.6
15°	3199.6	3168.4	3147.6	3164.9	3196.1	3168.4	3151.1	3147.6	3151.1	3168.4	3196.1
17.5°	3199.6	3175.3	3154.6	3168.4	3199.6	3178.8	3154.6	3161.5	3154.6	3178.8	3199.6
20°	3154.6	3130.3	3113.0	3113.0	3158.0	3130.3	3109.5	3119.9	3109.5	3130.3	3158.0
22.5°	3074.9	3054.1	3036.8	3033.4	3078.4	3054.1	3026.4	3047.2	3026.4	3054.1	3078.4
25°	2971.0	2950.3	2936.4	2929.5	2974.5	2946.8	2922.6	2943.3	2922.6	2946.8	2974.5
27.5°	2836.0	2818.7	2804.8	2794.4	2836.0	2811.7	2787.5	2808.3	2787.5	2811.7	2836.0
30°	2662.9	2652.5	2638.6	2624.8	2666.3	2642.1	2617.8	2645.5	2617.8	2642.1	2666.3
32.5°	2462.0	2455.1	2437.8	2423.9	2465.5	2437.8	2420.5	2441.2	2420.5	2437.8	2465.5
35°	2230.0	2219.6	2209.2	2185.0	2230.0	2205.8	2205.8	2212.7	2205.8	2205.8	2230.0
37.5°	1970.3	1963.4	1949.5	1928.7	1966.8	1949.5	1942.6	1963.4	1942.6	1949.5	1966.8
40°	1679.4	1676.0	1665.6	1641.3	1682.9	1665.6	1655.2	1682.9	1655.2	1665.6	1682.9
42.5°	1374.7	1367.8	1357.4	1353.9	1374.7	1360.9	1371.2	1371.2	1371.2	1360.9	1374.7
45°	1059.6	1052.7	1045.7	1031.9	1056.1	1049.2	1045.7	1052.7	1045.7	1049.2	1056.1
47.5°	768.7	761.8	754.9	744.5	768.7	758.3	758.3	765.3	758.3	758.3	768.7
50°	515.9	519.4	515.9	509.0	515.9	512.5	515.9	522.9	515.9	512.5	515.9
52.5°	342.8	342.8	335.9	332.4	339.3	335.9	346.3	339.3	346.3	335.9	339.3
55°	207.8	211.2	207.8	204.3	207.8	204.3	214.7	211.2	214.7	204.3	207.8
57.5°	117.7	117.7	121.2	117.7	124.7	121.2	121.2	121.2	121.2	121.2	124.7
60°	65.8	65.8	65.8	65.8	65.8	65.8	69.3	65.8	69.3	65.8	65.8
62.5°	45.0	45.0	45.0	41.6	45.0	41.6	45.0	45.0	45.0	41.6	45.0
65°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6
67.5°	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
70°	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8	20.8
72.5°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
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: P212858

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5
2.5°	3029.9	2995.3	3012.6	3047.2	2998.7	3040.3	3016.0	2974.5	2974.5	3005.7	3012.6
5°	3068.0	3043.8	3057.6	3088.8	3040.3	3081.8	3054.1	3012.6	3009.1	3040.3	3050.7
7.5°	3102.6	3078.4	3095.7	3126.9	3074.9	3116.5	3092.2	3047.2	3040.3	3071.5	3081.8
10°	3113.0	3092.2	3106.1	3140.7	3088.8	3126.9	3109.5	3061.1	3057.6	3081.8	3095.7
12.5°	3130.3	3113.0	3130.3	3164.9	3113.0	3151.1	3133.8	3085.3	3078.4	3109.5	3119.9
15°	3164.9	3147.6	3168.4	3199.6	3151.1	3182.3	3164.9	3116.5	3113.0	3137.2	3151.1
17.5°	3168.4	3154.6	3175.3	3199.6	3151.1	3182.3	3168.4	3116.5	3113.0	3140.7	3151.1
20°	3113.0	3113.0	3130.3	3154.6	3102.6	3133.8	3119.9	3068.0	3068.0	3092.2	3102.6
22.5°	3033.4	3036.8	3054.1	3074.9	3023.0	3054.1	3040.3	2988.3	2991.8	3012.6	3026.4
25°	2929.5	2936.4	2950.3	2971.0	2922.6	2950.3	2929.5	2887.9	2884.5	2908.7	2926.0
27.5°	2794.4	2804.8	2818.7	2836.0	2791.0	2811.7	2797.9	2756.3	2752.9	2777.1	2794.4
30°	2624.8	2638.6	2652.5	2662.9	2621.3	2642.1	2624.8	2586.7	2586.7	2607.4	2617.8
32.5°	2423.9	2437.8	2455.1	2462.0	2420.5	2444.7	2430.8	2389.3	2389.3	2410.1	2430.8
35°	2185.0	2209.2	2219.6	2230.0	2188.5	2202.3	2209.2	2153.8	2160.8	2178.1	2205.8
37.5°	1928.7	1949.5	1963.4	1970.3	1932.2	1946.1	1949.5	1901.0	1908.0	1921.8	1953.0
40°	1641.3	1665.6	1676.0	1679.4	1651.7	1662.1	1665.6	1617.1	1627.5	1637.9	1662.1
42.5°	1353.9	1357.4	1367.8	1374.7	1350.5	1353.9	1360.9	1315.8	1329.7	1333.2	1357.4
45°	1031.9	1045.7	1052.7	1059.6	1038.8	1045.7	1045.7	1014.6	1018.0	1025.0	1045.7
47.5°	744.5	754.9	761.8	768.7	751.4	758.3	758.3	727.2	737.6	741.0	754.9
50°	509.0	515.9	519.4	515.9	515.9	515.9	515.9	498.6	509.0	498.6	515.9
52.5°	332.4	335.9	342.8	342.8	332.4	339.3	339.3	325.5	329.0	329.0	339.3
55°	204.3	207.8	211.2	207.8	204.3	207.8	207.8	200.8	207.8	200.8	211.2
57.5°	117.7	121.2	117.7	117.7	117.7	117.7	117.7	117.7	117.7	114.3	121.2
60°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	69.3
62.5°	41.6	45.0	45.0	45.0	45.0	45.0	45.0	41.6	45.0	45.0	45.0
65°	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	34.6	38.1
67.5°	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	31.2
70°	20.8	20.8	20.8	20.8	20.8	20.8	24.2	24.2	20.8	24.2	24.2
72.5°	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3
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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
80°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	6.9
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: P212858

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5
2.5°	3009.1	2981.4	2981.4	2950.3	2978.0	2981.4	2946.8	2936.4	2974.5	2932.9	2953.7
5°	3036.8	3009.1	3009.1	2978.0	2998.7	2998.7	2964.1	2946.8	2984.9	2943.3	2960.6
7.5°	3071.5	3040.3	3033.4	3002.2	3019.5	3023.0	2981.4	2957.2	2995.3	2946.8	2964.1
10°	3081.8	3047.2	3043.8	3012.6	3026.4	3029.9	2981.4	2960.6	2991.8	2939.9	2950.3
12.5°	3106.1	3068.0	3068.0	3036.8	3047.2	3047.2	2998.7	2971.0	2998.7	2946.8	2953.7
15°	3133.8	3092.2	3092.2	3061.1	3068.0	3071.5	3012.6	2984.9	3009.1	2953.7	2960.6
17.5°	3133.8	3088.8	3088.8	3061.1	3064.5	3061.1	3005.7	2974.5	2991.8	2932.9	2936.4
20°	3085.3	3040.3	3047.2	3016.0	3019.5	3016.0	2957.2	2926.0	2943.3	2881.0	2887.9
22.5°	3005.7	2964.1	2971.0	2943.3	2943.3	2939.9	2884.5	2853.3	2870.6	2808.3	2811.7
25°	2905.2	2863.7	2870.6	2842.9	2846.4	2846.4	2791.0	2756.3	2773.7	2718.3	2718.3
27.5°	2773.7	2732.1	2742.5	2725.2	2714.8	2718.3	2669.8	2635.1	2652.5	2600.5	2600.5
30°	2604.0	2569.4	2579.7	2565.9	2555.5	2555.5	2514.0	2479.3	2496.6	2451.6	2448.2
32.5°	2403.1	2375.4	2385.8	2375.4	2365.1	2375.4	2330.4	2295.8	2313.1	2278.5	2281.9
35°	2185.0	2157.3	2164.2	2153.8	2146.9	2153.8	2108.8	2084.6	2101.9	2067.3	2081.1
37.5°	1942.6	1894.1	1914.9	1908.0	1901.0	1904.5	1863.0	1845.6	1866.4	1845.6	1856.0
40°	1658.7	1624.0	1637.9	1631.0	1624.0	1641.3	1610.2	1585.9	1603.3	1589.4	1610.2
42.5°	1350.5	1322.8	1340.1	1336.6	1326.2	1347.0	1322.8	1305.5	1333.2	1326.2	1343.5
45°	1038.8	1018.0	1031.9	1031.9	1028.4	1045.7	1021.5	1025.0	1052.7	1063.1	1083.8
47.5°	751.4	720.3	737.6	748.0	748.0	765.3	751.4	765.3	796.4	817.2	834.5
50°	512.5	505.6	509.0	512.5	519.4	533.3	529.8	550.6	571.4	606.0	626.8
52.5°	339.3	332.4	339.3	342.8	349.7	363.6	363.6	387.8	412.1	443.2	467.5
55°	211.2	207.8	211.2	214.7	221.6	235.5	238.9	263.2	287.4	318.6	339.3
57.5°	121.2	124.7	124.7	131.6	135.0	145.4	155.8	169.7	197.4	228.5	249.3
60°	69.3	69.3	72.7	76.2	79.6	90.0	97.0	110.8	131.6	162.7	176.6
62.5°	45.0	45.0	48.5	48.5	51.9	58.9	65.8	79.6	97.0	121.2	135.0
65°	38.1	38.1	38.1	41.6	41.6	48.5	55.4	65.8	79.6	97.0	110.8
67.5°	31.2	31.2	31.2	34.6	34.6	38.1	45.0	51.9	62.3	76.2	86.6
70°	24.2	24.2	24.2	27.7	27.7	31.2	34.6	38.1	48.5	58.9	65.8
72.5°	17.3	17.3	20.8	20.8	20.8	24.2	27.7	31.2	38.1	45.0	48.5
75°	13.9	13.9	13.9	13.9	17.3	17.3	20.8	24.2	27.7	31.2	34.6
77.5°	6.9	6.9	10.4	10.4	10.4	13.9	13.9	17.3	20.8	24.2	24.2
80°	6.9	6.9	6.9	6.9	6.9	10.4	10.4	10.4	13.9	17.3	17.3
82.5°	3.5	3.5	3.5	3.5	3.5	6.9	6.9	6.9	10.4	10.4	10.4
85°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	6.9	6.9	6.9
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: P212858

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5	2974.5
2.5°	2929.5	2939.9	2939.9	2929.5	2901.8	2926.0	2950.3	2926.0	2957.2	2901.8	2901.8
5°	2929.5	2936.4	2932.9	2919.1	2891.4	2912.2	2929.5	2905.2	2929.5	2877.5	2874.1
7.5°	2936.4	2929.5	2922.6	2905.2	2870.6	2884.5	2901.8	2874.1	2898.3	2842.9	2836.0
10°	2922.6	2912.2	2898.3	2874.1	2836.0	2846.4	2856.8	2832.5	2849.8	2794.4	2791.0
12.5°	2922.6	2905.2	2884.5	2856.8	2815.2	2822.1	2832.5	2801.4	2815.2	2763.3	2756.3
15°	2929.5	2898.3	2874.1	2842.9	2797.9	2801.4	2808.3	2773.7	2787.5	2732.1	2728.6
17.5°	2905.2	2870.6	2846.4	2808.3	2759.8	2763.3	2763.3	2728.6	2739.0	2683.6	2680.2
20°	2853.3	2811.7	2784.0	2749.4	2697.5	2697.5	2697.5	2662.9	2669.8	2621.3	2614.4
22.5°	2780.6	2735.6	2707.9	2673.2	2624.8	2621.3	2617.8	2590.1	2590.1	2545.1	2534.7
25°	2683.6	2642.1	2614.4	2583.2	2534.7	2527.8	2527.8	2503.6	2500.1	2458.5	2451.6
27.5°	2572.8	2524.3	2500.1	2472.4	2427.4	2420.5	2417.0	2403.1	2396.2	2351.2	2347.7
30°	2423.9	2382.4	2361.6	2337.4	2295.8	2288.9	2285.4	2271.6	2268.1	2223.1	2223.1
32.5°	2264.6	2212.7	2198.8	2174.6	2143.4	2140.0	2143.4	2126.1	2112.3	2081.1	2074.2
35°	2074.2	2022.2	2011.9	2001.5	1977.2	1970.3	1966.8	1963.4	1946.1	1925.3	1914.9
37.5°	1852.6	1807.6	1807.6	1804.1	1786.8	1786.8	1786.8	1779.9	1762.5	1755.6	1734.8
40°	1613.6	1579.0	1582.5	1585.9	1579.0	1582.5	1585.9	1579.0	1565.2	1558.2	1540.9
42.5°	1357.4	1340.1	1353.9	1364.3	1364.3	1374.7	1381.6	1381.6	1364.3	1360.9	1347.0
45°	1101.2	1097.7	1125.4	1146.2	1153.1	1170.4	1180.8	1173.9	1173.9	1173.9	1160.0
47.5°	862.2	876.1	900.3	941.9	955.7	976.5	983.4	993.8	990.3	993.8	983.4
50°	654.5	685.6	716.8	758.3	779.1	803.4	813.7	827.6	827.6	831.1	824.1
52.5°	495.2	519.4	571.4	599.1	623.3	647.5	661.4	675.2	678.7	678.7	671.8
55°	367.1	401.7	436.3	474.4	495.2	519.4	529.8	543.7	543.7	550.6	543.7
57.5°	266.6	301.3	339.3	367.1	391.3	408.6	419.0	429.4	436.3	436.3	432.8
60°	197.4	225.1	256.2	283.9	304.7	322.0	329.0	339.3	342.8	342.8	335.9
62.5°	148.9	176.6	204.3	228.5	242.4	256.2	263.2	270.1	270.1	270.1	266.6
65°	121.2	142.0	162.7	183.5	197.4	207.8	211.2	218.2	214.7	218.2	214.7
67.5°	97.0	110.8	128.1	142.0	152.4	159.3	162.7	169.7	166.2	169.7	166.2
70°	72.7	86.6	97.0	107.3	114.3	121.2	124.7	128.1	124.7	128.1	124.7
72.5°	55.4	62.3	72.7	83.1	86.6	90.0	93.5	93.5	93.5	97.0	93.5
75°	38.1	45.0	51.9	55.4	62.3	65.8	65.8	69.3	69.3	69.3	69.3
77.5°	27.7	31.2	34.6	38.1	41.6	45.0	45.0	48.5	48.5	48.5	48.5
80°	17.3	20.8	20.8	24.2	27.7	27.7	31.2	31.2	31.2	31.2	31.2
82.5°	10.4	13.9	13.9	17.3	17.3	17.3	20.8	20.8	20.8	20.8	20.8
85°	6.9	6.9	6.9	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	6.9	6.9	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: P212858

CATALOG NUMBER: LD6B60D010TE EU6B60709050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2974.5	2974.5	2974.5	2974.5
2.5°	2929.5	2912.2	2939.9	2898.3
5°	2898.3	2881.0	2915.6	2863.7
7.5°	2860.2	2842.9	2874.1	2822.1
10°	2811.7	2794.4	2822.1	2766.7
12.5°	2770.2	2752.9	2784.0	2732.1
15°	2739.0	2721.7	2749.4	2700.9
17.5°	2690.6	2669.8	2700.9	2649.0
20°	2621.3	2607.4	2631.7	2579.7
22.5°	2541.7	2527.8	2555.5	2503.6
25°	2458.5	2441.2	2468.9	2417.0
27.5°	2351.2	2337.4	2365.1	2313.1
30°	2223.1	2209.2	2236.9	2188.5
32.5°	2077.6	2063.8	2084.6	2043.0
35°	1911.4	1901.0	1921.8	1876.8
37.5°	1731.4	1721.0	1741.8	1696.7
40°	1537.5	1527.1	1544.4	1523.6
42.5°	1347.0	1336.6	1353.9	1336.6
45°	1160.0	1153.1	1170.4	1153.1
47.5°	986.9	980.0	997.3	980.0
50°	820.7	824.1	831.1	824.1
52.5°	671.8	671.8	682.2	671.8
55°	543.7	547.1	550.6	543.7
57.5°	432.8	432.8	436.3	432.8
60°	335.9	339.3	339.3	335.9
62.5°	266.6	266.6	266.6	266.6
65°	211.2	211.2	214.7	211.2
67.5°	166.2	162.7	166.2	162.7
70°	124.7	124.7	124.7	124.7
72.5°	97.0	97.0	93.5	93.5
75°	69.3	72.7	69.3	69.3
77.5°	48.5	48.5	48.5	48.5
80°	31.2	31.2	31.2	31.2
82.5°	20.8	20.8	20.8	20.8
85°	13.9	10.4	10.4	10.4
87.5°	6.9	3.5	3.5	3.5
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)