

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: P212857

Luminaire Tested: **LD6B60D010TE EU6B60709040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212857
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 EU6B60709040 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4951.5 lumens
Efficiency: N/A
Efficacy: 79.2 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

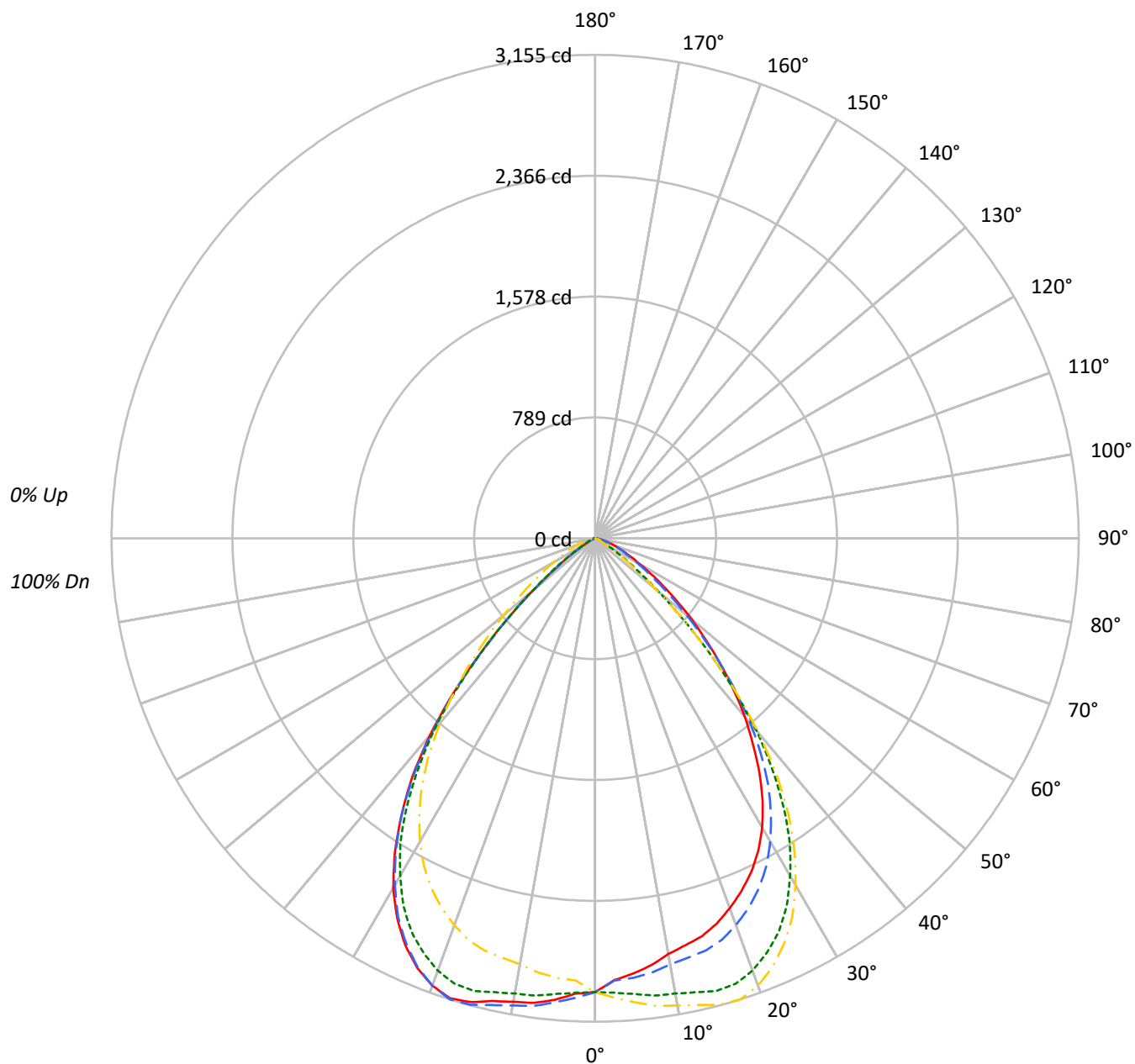
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	162355	162355	162355	162355
5°	156900	164302	166387	164302
10°	153343	167927	171000	167927
15°	152623	173559	177867	173559
20°	149842	175184	181222	175184
25°	145563	171421	177258	171421
30°	137926	161063	166735	161063
35°	125052	143517	147438	143517
40°	108561	116948	119910	116948
45°	89009	80722	81256	80722
50°	69985	45278	44399	45278
55°	51735	22403	20100	22403
60°	36664	9824	7181	9824
65°	27279	6265	4475	6265
70°	19891	4969	3318	4969
75°	14615	3643	2182	3643
80°	9787	3252	1073	3252
85°	6479	2139	2139	2139



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.5	5.7
10°-20°	839.7	17.0
20°-30°	1253.1	25.3
30°-40°	1287.4	26.0
40°-50°	833.7	16.8
50°-60°	310.0	6.3
60°-70°	101.7	2.1
70°-80°	35.9	0.7
80°-90°	6.4	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°	2376.3	48.0
0°-40°	3663.8	74.0
0°-60°	4807.5	97.1
0°-90°	4951.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4951.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2962	2962	2962	2962	2962	
5°	2851	2986	3024	2986	2851	269
15°	2689	3058	3134	3058	2689	756
25°	2406	2834	2930	2834	2406	1103
35°	1869	2144	2203	2144	1869	1160
45°	1148	1041	1048	1041	1148	888
55°	541	234	210	234	541	493
65°	210	48	34	48	210	214
75°	69	17	10	17	69	76
85°	10	3	3	3	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°	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6
2.5°	2885.7	2927.1	2899.5	2916.7	2889.2	2889.2	2944.3	2913.3	2937.4	2913.3	2889.2
5°	2851.2	2903.0	2868.5	2885.7	2861.6	2865.0	2916.7	2892.6	2916.7	2899.5	2878.8
7.5°	2809.9	2861.6	2830.6	2847.8	2823.7	2830.6	2885.7	2861.6	2889.2	2871.9	2858.1
10°	2754.7	2809.9	2782.3	2799.5	2778.8	2782.3	2837.5	2820.2	2844.3	2834.0	2823.7
12.5°	2720.2	2771.9	2740.9	2758.2	2744.4	2751.3	2803.0	2789.2	2820.2	2809.9	2803.0
15°	2689.2	2737.5	2709.9	2727.1	2716.8	2720.2	2775.4	2761.6	2796.1	2789.2	2785.7
17.5°	2637.5	2689.2	2658.2	2678.9	2668.5	2672.0	2727.1	2716.8	2751.3	2751.3	2747.8
20°	2568.5	2620.2	2596.1	2609.9	2603.0	2609.9	2658.2	2651.3	2685.8	2685.8	2685.8
22.5°	2492.7	2544.4	2516.8	2530.6	2523.7	2534.1	2578.9	2578.9	2606.5	2609.9	2613.4
25°	2406.5	2458.2	2430.6	2447.9	2441.0	2447.9	2489.2	2492.7	2516.8	2516.8	2523.7
27.5°	2303.1	2354.8	2327.2	2341.0	2337.5	2341.0	2385.8	2392.7	2406.5	2409.9	2416.8
30°	2178.9	2227.2	2199.6	2213.4	2213.4	2213.4	2258.2	2261.7	2275.5	2278.9	2285.8
32.5°	2034.1	2075.5	2054.8	2068.6	2065.2	2072.1	2103.1	2116.9	2134.1	2130.7	2134.1
35°	1868.6	1913.5	1892.8	1903.1	1906.6	1916.9	1937.6	1954.8	1958.3	1961.7	1968.6
37.5°	1689.4	1734.2	1713.5	1723.8	1727.3	1748.0	1754.9	1772.1	1779.0	1779.0	1779.0
40°	1517.0	1537.7	1520.4	1530.8	1534.2	1551.5	1558.4	1572.1	1579.0	1575.6	1572.1
42.5°	1330.8	1348.0	1330.8	1341.2	1341.2	1354.9	1358.4	1375.6	1375.6	1368.7	1358.4
45°	1148.1	1165.3	1148.1	1155.0	1155.0	1168.8	1168.8	1168.8	1175.7	1165.3	1148.1
47.5°	975.7	992.9	975.7	982.6	979.1	989.5	986.0	989.5	979.1	972.2	951.6
50°	820.6	827.4	820.6	817.1	820.6	827.4	824.0	824.0	810.2	799.9	775.7
52.5°	668.9	679.2	668.9	668.9	668.9	675.7	675.7	672.3	658.5	644.7	620.6
55°	541.3	548.2	544.7	541.3	541.3	548.2	541.3	541.3	527.5	517.2	493.0
57.5°	431.0	434.4	431.0	431.0	431.0	434.4	434.4	427.5	417.2	406.8	389.6
60°	334.4	337.9	337.9	334.4	334.4	341.3	341.3	337.9	327.5	320.6	303.4
62.5°	265.5	265.5	265.5	265.5	265.5	268.9	268.9	268.9	262.0	255.1	241.3
65°	210.3	213.8	210.3	210.3	213.8	217.2	213.8	217.2	210.3	206.9	196.5
67.5°	162.0	165.5	162.0	165.5	165.5	168.9	165.5	168.9	162.0	158.6	151.7
70°	124.1	124.1	124.1	124.1	124.1	127.6	124.1	127.6	124.1	120.7	113.8
72.5°	93.1	93.1	96.5	96.5	93.1	96.5	93.1	93.1	93.1	89.6	86.2
75°	69.0	69.0	72.4	69.0	69.0	69.0	69.0	69.0	65.5	65.5	62.1
77.5°	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	44.8	44.8	41.4
80°	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	31.0	27.6	27.6
82.5°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	17.2	17.2
85°	10.3	10.3	10.3	13.8	10.3	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	3.4	3.4	3.4	6.9	3.4	3.4	6.9	6.9	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°	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6
2.5°	2916.7	2927.1	2927.1	2916.7	2940.9	2920.2	2961.6	2923.6	2934.0	2968.5	2965.0
5°	2906.4	2920.2	2923.6	2916.7	2947.8	2930.5	2971.9	2934.0	2951.2	2985.7	2985.7
7.5°	2892.6	2909.9	2916.7	2923.6	2951.2	2934.0	2982.3	2944.3	2968.5	3009.8	3006.4
10°	2861.6	2885.7	2899.5	2909.9	2937.4	2927.1	2978.8	2947.8	2968.5	3016.7	3013.3
12.5°	2844.3	2871.9	2892.6	2909.9	2940.9	2934.0	2985.7	2958.1	2985.7	3034.0	3034.0
15°	2830.6	2861.6	2885.7	2916.7	2947.8	2940.9	2996.0	2971.9	2999.5	3058.1	3054.7
17.5°	2796.1	2834.0	2858.1	2892.6	2923.6	2920.2	2978.8	2961.6	2992.6	3047.8	3051.2
20°	2737.5	2771.9	2799.5	2840.9	2875.4	2868.5	2930.5	2913.3	2944.3	3002.9	3006.4
22.5°	2661.6	2696.1	2723.7	2768.5	2799.5	2796.1	2858.1	2840.9	2871.9	2927.1	2930.5
25°	2572.0	2603.0	2630.6	2672.0	2706.4	2706.4	2761.6	2744.4	2778.8	2834.0	2834.0
27.5°	2461.7	2489.2	2513.4	2561.6	2589.2	2589.2	2640.9	2623.7	2658.2	2706.4	2703.0
30°	2327.2	2351.3	2372.0	2413.4	2437.5	2441.0	2485.8	2468.5	2503.0	2544.4	2544.4
32.5°	2165.2	2189.3	2203.1	2254.8	2272.0	2268.6	2303.1	2285.8	2320.3	2365.1	2354.8
35°	1992.8	2003.1	2013.5	2065.2	2072.1	2058.3	2092.7	2075.5	2099.6	2144.5	2137.6
37.5°	1796.2	1799.7	1799.7	1844.5	1848.0	1837.6	1858.3	1837.6	1854.9	1896.2	1892.8
40°	1579.0	1575.6	1572.1	1606.6	1603.2	1582.5	1596.3	1579.0	1603.2	1634.2	1617.0
42.5°	1358.4	1348.0	1334.3	1351.5	1337.7	1320.5	1327.4	1299.8	1317.0	1341.2	1320.5
45°	1141.2	1120.5	1092.9	1096.4	1079.1	1058.4	1048.1	1020.5	1017.1	1041.2	1024.0
47.5°	937.8	896.4	872.3	858.5	830.9	813.7	793.0	761.9	748.1	761.9	744.7
50°	755.0	713.7	682.6	651.6	624.0	603.3	568.9	548.2	527.5	530.9	517.2
52.5°	596.5	568.9	517.2	493.0	465.4	441.3	410.3	386.1	362.0	362.0	348.2
55°	472.3	434.4	399.9	365.5	337.9	317.2	286.2	262.0	237.9	234.4	220.7
57.5°	365.5	337.9	299.9	265.5	248.2	227.5	196.5	168.9	155.1	144.8	134.5
60°	282.7	255.1	224.1	196.5	175.8	162.0	131.0	110.3	96.5	89.6	79.3
62.5°	227.5	203.4	175.8	148.3	134.5	120.7	96.5	79.3	65.5	58.6	51.7
65°	182.7	162.0	141.4	120.7	110.3	96.5	79.3	65.5	55.2	48.3	41.4
67.5°	141.4	127.6	110.3	96.5	86.2	75.8	62.1	51.7	44.8	37.9	34.5
70°	106.9	96.5	86.2	72.4	65.5	58.6	48.3	37.9	34.5	31.0	27.6
72.5°	82.7	72.4	62.1	55.2	48.3	44.8	37.9	31.0	27.6	24.1	20.7
75°	55.2	51.7	44.8	37.9	34.5	31.0	27.6	24.1	20.7	17.2	17.2
77.5°	37.9	34.5	31.0	27.6	24.1	24.1	20.7	17.2	13.8	13.8	10.3
80°	24.1	20.7	20.7	17.2	17.2	17.2	13.8	10.3	10.3	10.3	6.9
82.5°	17.2	13.8	13.8	10.3	10.3	10.3	10.3	6.9	6.9	6.9	3.4
85°	10.3	6.9	6.9	6.9	6.9	6.9	6.9	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°	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6
2.5°	2937.4	2968.5	2968.5	2996.0	2999.5	2992.6	2961.6	2961.6	3002.9	3027.1	2985.7
5°	2965.0	2996.0	2996.0	3023.6	3037.4	3027.1	2996.0	2999.5	3040.9	3068.4	3027.1
7.5°	2989.2	3020.2	3027.1	3058.1	3068.4	3058.1	3027.1	3034.0	3078.8	3102.9	3061.6
10°	2999.5	3030.5	3034.0	3068.4	3082.2	3068.4	3044.3	3047.8	3096.0	3113.3	3075.3
12.5°	3023.6	3054.7	3054.7	3092.6	3106.4	3096.0	3065.0	3071.9	3120.2	3137.4	3099.5
15°	3047.8	3078.8	3078.8	3120.2	3137.4	3123.6	3099.5	3102.9	3151.2	3168.4	3137.4
17.5°	3047.8	3075.3	3075.3	3120.2	3137.4	3127.1	3099.5	3102.9	3154.6	3168.4	3137.4
20°	3002.9	3034.0	3027.1	3071.9	3089.1	3078.8	3054.7	3054.7	3106.4	3120.2	3089.1
22.5°	2930.5	2958.1	2951.2	2992.6	3013.3	2999.5	2978.8	2975.4	3027.1	3040.9	3009.8
25°	2830.6	2858.1	2851.2	2892.6	2913.3	2896.1	2871.9	2875.4	2916.7	2937.4	2909.9
27.5°	2713.3	2730.6	2720.2	2761.6	2782.3	2765.1	2740.9	2744.4	2785.7	2799.5	2778.8
30°	2554.7	2568.5	2558.2	2592.7	2606.5	2596.1	2575.4	2575.4	2613.4	2630.6	2609.9
32.5°	2365.1	2375.5	2365.1	2392.7	2420.3	2399.6	2378.9	2378.9	2420.3	2434.1	2409.9
35°	2144.5	2154.8	2147.9	2175.5	2196.2	2168.6	2151.4	2144.5	2199.6	2192.7	2178.9
37.5°	1899.7	1906.6	1885.9	1934.2	1944.5	1913.5	1899.7	1892.8	1941.1	1937.6	1923.8
40°	1623.9	1630.8	1617.0	1651.4	1654.9	1630.8	1620.4	1610.1	1658.3	1654.9	1644.5
42.5°	1330.8	1334.3	1317.0	1344.6	1351.5	1327.4	1323.9	1310.1	1354.9	1348.0	1344.6
45°	1027.4	1027.4	1013.6	1034.3	1041.2	1020.5	1013.6	1010.2	1041.2	1041.2	1034.3
47.5°	744.7	734.4	717.1	748.1	751.6	737.8	734.4	724.0	755.0	755.0	748.1
50°	510.3	506.8	503.4	510.3	513.7	496.5	506.8	496.5	513.7	513.7	513.7
52.5°	341.3	337.9	331.0	337.9	337.9	327.5	327.5	324.1	337.9	337.9	331.0
55°	213.8	210.3	206.9	210.3	210.3	200.0	206.9	200.0	206.9	206.9	203.4
57.5°	131.0	124.1	124.1	120.7	120.7	113.8	117.2	117.2	117.2	117.2	117.2
60°	75.8	72.4	69.0	69.0	69.0	65.5	65.5	65.5	65.5	65.5	65.5
62.5°	48.3	48.3	44.8	44.8	44.8	44.8	44.8	41.4	44.8	44.8	44.8
65°	41.4	37.9	37.9	37.9	37.9	34.5	34.5	34.5	34.5	34.5	34.5
67.5°	34.5	31.0	31.0	31.0	31.0	27.6	27.6	27.6	27.6	27.6	27.6
70°	27.6	24.1	24.1	24.1	24.1	24.1	20.7	24.1	24.1	20.7	20.7
72.5°	20.7	20.7	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
75°	13.8	13.8	13.8	13.8	13.8	10.3	10.3	10.3	10.3	10.3	10.3
77.5°	10.3	10.3	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	3.4	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: P212857

CATALOG NUMBER: LD6B60D010TE EU6B60709040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6
2.5°	3034.0	2999.5	2982.3	3016.7	3030.5	3013.3	2999.5	2975.4	2999.5	3013.3	3030.5
5°	3075.3	3044.3	3030.5	3054.7	3075.3	3058.1	3047.8	3023.6	3047.8	3058.1	3075.3
7.5°	3113.3	3082.2	3065.0	3089.1	3113.3	3089.1	3078.8	3058.1	3078.8	3089.1	3113.3
10°	3127.1	3092.6	3078.8	3099.5	3123.6	3099.5	3085.7	3071.9	3085.7	3099.5	3123.6
12.5°	3151.2	3116.7	3099.5	3116.7	3140.8	3116.7	3102.9	3092.6	3102.9	3116.7	3140.8
15°	3185.7	3154.6	3134.0	3151.2	3182.2	3154.6	3137.4	3134.0	3137.4	3154.6	3182.2
17.5°	3185.7	3161.5	3140.8	3154.6	3185.7	3165.0	3140.8	3147.7	3140.8	3165.0	3185.7
20°	3140.8	3116.7	3099.5	3099.5	3144.3	3116.7	3096.0	3106.4	3096.0	3116.7	3144.3
22.5°	3061.6	3040.9	3023.6	3020.2	3065.0	3040.9	3013.3	3034.0	3013.3	3040.9	3065.0
25°	2958.1	2937.4	2923.6	2916.7	2961.6	2934.0	2909.9	2930.5	2909.9	2934.0	2961.6
27.5°	2823.7	2806.4	2792.6	2782.3	2823.7	2799.5	2775.4	2796.1	2775.4	2799.5	2823.7
30°	2651.3	2640.9	2627.1	2613.4	2654.7	2630.6	2606.5	2634.0	2606.5	2630.6	2654.7
32.5°	2451.3	2444.4	2427.2	2413.4	2454.8	2427.2	2409.9	2430.6	2409.9	2427.2	2454.8
35°	2220.3	2210.0	2199.6	2175.5	2220.3	2196.2	2196.2	2203.1	2196.2	2196.2	2220.3
37.5°	1961.7	1954.8	1941.1	1920.4	1958.3	1941.1	1934.2	1954.8	1934.2	1941.1	1958.3
40°	1672.1	1668.7	1658.3	1634.2	1675.6	1658.3	1648.0	1675.6	1648.0	1658.3	1675.6
42.5°	1368.7	1361.8	1351.5	1348.0	1368.7	1354.9	1365.3	1365.3	1365.3	1354.9	1368.7
45°	1055.0	1048.1	1041.2	1027.4	1051.5	1044.7	1041.2	1048.1	1041.2	1044.7	1051.5
47.5°	765.4	758.5	751.6	741.3	765.4	755.0	755.0	761.9	755.0	755.0	765.4
50°	513.7	517.2	513.7	506.8	513.7	510.3	513.7	520.6	513.7	510.3	513.7
52.5°	341.3	341.3	334.4	331.0	337.9	334.4	344.8	337.9	344.8	334.4	337.9
55°	206.9	210.3	206.9	203.4	206.9	203.4	213.8	210.3	213.8	203.4	206.9
57.5°	117.2	117.2	120.7	117.2	124.1	120.7	120.7	120.7	120.7	120.7	124.1
60°	65.5	65.5	65.5	65.5	65.5	65.5	69.0	65.5	69.0	65.5	65.5
62.5°	44.8	44.8	44.8	41.4	44.8	41.4	44.8	44.8	44.8	41.4	44.8
65°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5
67.5°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6
70°	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7	20.7
72.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
75°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
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°	3.4	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: P212857

CATALOG NUMBER: LD6B60D010TE EU6B60709040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6
2.5°	3016.7	2982.3	2999.5	3034.0	2985.7	3027.1	3002.9	2961.6	2961.6	2992.6	2999.5
5°	3054.7	3030.5	3044.3	3075.3	3027.1	3068.4	3040.9	2999.5	2996.0	3027.1	3037.4
7.5°	3089.1	3065.0	3082.2	3113.3	3061.6	3102.9	3078.8	3034.0	3027.1	3058.1	3068.4
10°	3099.5	3078.8	3092.6	3127.1	3075.3	3113.3	3096.0	3047.8	3044.3	3068.4	3082.2
12.5°	3116.7	3099.5	3116.7	3151.2	3099.5	3137.4	3120.2	3071.9	3065.0	3096.0	3106.4
15°	3151.2	3134.0	3154.6	3185.7	3137.4	3168.4	3151.2	3102.9	3099.5	3123.6	3137.4
17.5°	3154.6	3140.8	3161.5	3185.7	3137.4	3168.4	3154.6	3102.9	3099.5	3127.1	3137.4
20°	3099.5	3099.5	3116.7	3140.8	3089.1	3120.2	3106.4	3054.7	3054.7	3078.8	3089.1
22.5°	3020.2	3023.6	3040.9	3061.6	3009.8	3040.9	3027.1	2975.4	2978.8	2999.5	3013.3
25°	2916.7	2923.6	2937.4	2958.1	2909.9	2937.4	2916.7	2875.4	2871.9	2896.1	2913.3
27.5°	2782.3	2792.6	2806.4	2823.7	2778.8	2799.5	2785.7	2744.4	2740.9	2765.1	2782.3
30°	2613.4	2627.1	2640.9	2651.3	2609.9	2630.6	2613.4	2575.4	2575.4	2596.1	2606.5
32.5°	2413.4	2427.2	2444.4	2451.3	2409.9	2434.1	2420.3	2378.9	2378.9	2399.6	2420.3
35°	2175.5	2199.6	2210.0	2220.3	2178.9	2192.7	2199.6	2144.5	2151.4	2168.6	2196.2
37.5°	1920.4	1941.1	1954.8	1961.7	1923.8	1937.6	1941.1	1892.8	1899.7	1913.5	1944.5
40°	1634.2	1658.3	1668.7	1672.1	1644.5	1654.9	1658.3	1610.1	1620.4	1630.8	1654.9
42.5°	1348.0	1351.5	1361.8	1368.7	1344.6	1348.0	1354.9	1310.1	1323.9	1327.4	1351.5
45°	1027.4	1041.2	1048.1	1055.0	1034.3	1041.2	1041.2	1010.2	1013.6	1020.5	1041.2
47.5°	741.3	751.6	758.5	765.4	748.1	755.0	755.0	724.0	734.4	737.8	751.6
50°	506.8	513.7	517.2	513.7	513.7	513.7	513.7	496.5	506.8	496.5	513.7
52.5°	331.0	334.4	341.3	341.3	331.0	337.9	337.9	324.1	327.5	327.5	337.9
55°	203.4	206.9	210.3	206.9	203.4	206.9	206.9	200.0	206.9	200.0	210.3
57.5°	117.2	120.7	117.2	117.2	117.2	117.2	117.2	117.2	117.2	113.8	120.7
60°	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	69.0
62.5°	41.4	44.8	44.8	44.8	44.8	44.8	44.8	41.4	44.8	44.8	44.8
65°	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	34.5	37.9
67.5°	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	27.6	31.0
70°	20.7	20.7	20.7	20.7	20.7	20.7	24.1	24.1	20.7	24.1	24.1
72.5°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2
75°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	13.8
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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.9
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: P212857

CATALOG NUMBER: LD6B60D010TE EU6B60709040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6
2.5°	2996.0	2968.5	2968.5	2937.4	2965.0	2968.5	2934.0	2923.6	2961.6	2920.2	2940.9
5°	3023.6	2996.0	2996.0	2965.0	2985.7	2985.7	2951.2	2934.0	2971.9	2930.5	2947.8
7.5°	3058.1	3027.1	3020.2	2989.2	3006.4	3009.8	2968.5	2944.3	2982.3	2934.0	2951.2
10°	3068.4	3034.0	3030.5	2999.5	3013.3	3016.7	2968.5	2947.8	2978.8	2927.1	2937.4
12.5°	3092.6	3054.7	3054.7	3023.6	3034.0	3034.0	2985.7	2958.1	2985.7	2934.0	2940.9
15°	3120.2	3078.8	3078.8	3047.8	3054.7	3058.1	2999.5	2971.9	2996.0	2940.9	2947.8
17.5°	3120.2	3075.3	3075.3	3047.8	3051.2	3047.8	2992.6	2961.6	2978.8	2920.2	2923.6
20°	3071.9	3027.1	3034.0	3002.9	3006.4	3002.9	2944.3	2913.3	2930.5	2868.5	2875.4
22.5°	2992.6	2951.2	2958.1	2930.5	2930.5	2927.1	2871.9	2840.9	2858.1	2796.1	2799.5
25°	2892.6	2851.2	2858.1	2830.6	2834.0	2834.0	2778.8	2744.4	2761.6	2706.4	2706.4
27.5°	2761.6	2720.2	2730.6	2713.3	2703.0	2706.4	2658.2	2623.7	2640.9	2589.2	2589.2
30°	2592.7	2558.2	2568.5	2554.7	2544.4	2544.4	2503.0	2468.5	2485.8	2441.0	2437.5
32.5°	2392.7	2365.1	2375.5	2365.1	2354.8	2365.1	2320.3	2285.8	2303.1	2268.6	2272.0
35°	2175.5	2147.9	2154.8	2144.5	2137.6	2144.5	2099.6	2075.5	2092.7	2058.3	2072.1
37.5°	1934.2	1885.9	1906.6	1899.7	1892.8	1896.2	1854.9	1837.6	1858.3	1837.6	1848.0
40°	1651.4	1617.0	1630.8	1623.9	1617.0	1634.2	1603.2	1579.0	1596.3	1582.5	1603.2
42.5°	1344.6	1317.0	1334.3	1330.8	1320.5	1341.2	1317.0	1299.8	1327.4	1320.5	1337.7
45°	1034.3	1013.6	1027.4	1027.4	1024.0	1041.2	1017.1	1020.5	1048.1	1058.4	1079.1
47.5°	748.1	717.1	734.4	744.7	744.7	761.9	748.1	761.9	793.0	813.7	830.9
50°	510.3	503.4	506.8	510.3	517.2	530.9	527.5	548.2	568.9	603.3	624.0
52.5°	337.9	331.0	337.9	341.3	348.2	362.0	362.0	386.1	410.3	441.3	465.4
55°	210.3	206.9	210.3	213.8	220.7	234.4	237.9	262.0	286.2	317.2	337.9
57.5°	120.7	124.1	124.1	131.0	134.5	144.8	155.1	168.9	196.5	227.5	248.2
60°	69.0	69.0	72.4	75.8	79.3	89.6	96.5	110.3	131.0	162.0	175.8
62.5°	44.8	44.8	48.3	48.3	51.7	58.6	65.5	79.3	96.5	120.7	134.5
65°	37.9	37.9	37.9	41.4	41.4	48.3	55.2	65.5	79.3	96.5	110.3
67.5°	31.0	31.0	31.0	34.5	34.5	37.9	44.8	51.7	62.1	75.8	86.2
70°	24.1	24.1	24.1	27.6	27.6	31.0	34.5	37.9	48.3	58.6	65.5
72.5°	17.2	17.2	20.7	20.7	20.7	24.1	27.6	31.0	37.9	44.8	48.3
75°	13.8	13.8	13.8	13.8	17.2	17.2	20.7	24.1	27.6	31.0	34.5
77.5°	6.9	6.9	10.3	10.3	10.3	13.8	13.8	17.2	20.7	24.1	24.1
80°	6.9	6.9	6.9	6.9	6.9	10.3	10.3	10.3	13.8	17.2	17.2
82.5°	3.4	3.4	3.4	3.4	3.4	6.9	6.9	6.9	10.3	10.3	10.3
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.9	6.9	6.9
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: P212857

CATALOG NUMBER: LD6B60D010TE EU6B60709040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6	2961.6
2.5°	2916.7	2927.1	2927.1	2916.7	2889.2	2913.3	2937.4	2913.3	2944.3	2889.2	2889.2
5°	2916.7	2923.6	2920.2	2906.4	2878.8	2899.5	2916.7	2892.6	2916.7	2865.0	2861.6
7.5°	2923.6	2916.7	2909.9	2892.6	2858.1	2871.9	2889.2	2861.6	2885.7	2830.6	2823.7
10°	2909.9	2899.5	2885.7	2861.6	2823.7	2834.0	2844.3	2820.2	2837.5	2782.3	2778.8
12.5°	2909.9	2892.6	2871.9	2844.3	2803.0	2809.9	2820.2	2789.2	2803.0	2751.3	2744.4
15°	2916.7	2885.7	2861.6	2830.6	2785.7	2789.2	2796.1	2761.6	2775.4	2720.2	2716.8
17.5°	2892.6	2858.1	2834.0	2796.1	2747.8	2751.3	2751.3	2716.8	2727.1	2672.0	2668.5
20°	2840.9	2799.5	2771.9	2737.5	2685.8	2685.8	2685.8	2651.3	2658.2	2609.9	2603.0
22.5°	2768.5	2723.7	2696.1	2661.6	2613.4	2609.9	2606.5	2578.9	2578.9	2534.1	2523.7
25°	2672.0	2630.6	2603.0	2572.0	2523.7	2516.8	2516.8	2492.7	2489.2	2447.9	2441.0
27.5°	2561.6	2513.4	2489.2	2461.7	2416.8	2409.9	2406.5	2392.7	2385.8	2341.0	2337.5
30°	2413.4	2372.0	2351.3	2327.2	2285.8	2278.9	2275.5	2261.7	2258.2	2213.4	2213.4
32.5°	2254.8	2203.1	2189.3	2165.2	2134.1	2130.7	2134.1	2116.9	2103.1	2072.1	2065.2
35°	2065.2	2013.5	2003.1	1992.8	1968.6	1961.7	1958.3	1954.8	1937.6	1916.9	1906.6
37.5°	1844.5	1799.7	1799.7	1796.2	1779.0	1779.0	1779.0	1772.1	1754.9	1748.0	1727.3
40°	1606.6	1572.1	1575.6	1579.0	1572.1	1575.6	1579.0	1572.1	1558.4	1551.5	1534.2
42.5°	1351.5	1334.3	1348.0	1358.4	1358.4	1368.7	1375.6	1375.6	1358.4	1354.9	1341.2
45°	1096.4	1092.9	1120.5	1141.2	1148.1	1165.3	1175.7	1168.8	1168.8	1168.8	1155.0
47.5°	858.5	872.3	896.4	937.8	951.6	972.2	979.1	989.5	986.0	989.5	979.1
50°	651.6	682.6	713.7	755.0	775.7	799.9	810.2	824.0	824.0	827.4	820.6
52.5°	493.0	517.2	568.9	596.5	620.6	644.7	658.5	672.3	675.7	675.7	668.9
55°	365.5	399.9	434.4	472.3	493.0	517.2	527.5	541.3	541.3	548.2	541.3
57.5°	265.5	299.9	337.9	365.5	389.6	406.8	417.2	427.5	434.4	434.4	431.0
60°	196.5	224.1	255.1	282.7	303.4	320.6	327.5	337.9	341.3	341.3	334.4
62.5°	148.3	175.8	203.4	227.5	241.3	255.1	262.0	268.9	268.9	268.9	265.5
65°	120.7	141.4	162.0	182.7	196.5	206.9	210.3	217.2	213.8	217.2	213.8
67.5°	96.5	110.3	127.6	141.4	151.7	158.6	162.0	168.9	165.5	168.9	165.5
70°	72.4	86.2	96.5	106.9	113.8	120.7	124.1	127.6	124.1	127.6	124.1
72.5°	55.2	62.1	72.4	82.7	86.2	89.6	93.1	93.1	93.1	96.5	93.1
75°	37.9	44.8	51.7	55.2	62.1	65.5	65.5	69.0	69.0	69.0	69.0
77.5°	27.6	31.0	34.5	37.9	41.4	44.8	44.8	48.3	48.3	48.3	48.3
80°	17.2	20.7	20.7	24.1	27.6	27.6	31.0	31.0	31.0	31.0	31.0
82.5°	10.3	13.8	13.8	17.2	17.2	17.2	20.7	20.7	20.7	20.7	20.7
85°	6.9	6.9	6.9	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.9	6.9	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: P212857

CATALOG NUMBER: LD6B60D010TE EU6B60709040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2961.6	2961.6	2961.6	2961.6
2.5°	2916.7	2899.5	2927.1	2885.7
5°	2885.7	2868.5	2903.0	2851.2
7.5°	2847.8	2830.6	2861.6	2809.9
10°	2799.5	2782.3	2809.9	2754.7
12.5°	2758.2	2740.9	2771.9	2720.2
15°	2727.1	2709.9	2737.5	2689.2
17.5°	2678.9	2658.2	2689.2	2637.5
20°	2609.9	2596.1	2620.2	2568.5
22.5°	2530.6	2516.8	2544.4	2492.7
25°	2447.9	2430.6	2458.2	2406.5
27.5°	2341.0	2327.2	2354.8	2303.1
30°	2213.4	2199.6	2227.2	2178.9
32.5°	2068.6	2054.8	2075.5	2034.1
35°	1903.1	1892.8	1913.5	1868.6
37.5°	1723.8	1713.5	1734.2	1689.4
40°	1530.8	1520.4	1537.7	1517.0
42.5°	1341.2	1330.8	1348.0	1330.8
45°	1155.0	1148.1	1165.3	1148.1
47.5°	982.6	975.7	992.9	975.7
50°	817.1	820.6	827.4	820.6
52.5°	668.9	668.9	679.2	668.9
55°	541.3	544.7	548.2	541.3
57.5°	431.0	431.0	434.4	431.0
60°	334.4	337.9	337.9	334.4
62.5°	265.5	265.5	265.5	265.5
65°	210.3	210.3	213.8	210.3
67.5°	165.5	162.0	165.5	162.0
70°	124.1	124.1	124.1	124.1
72.5°	96.5	96.5	93.1	93.1
75°	69.0	72.4	69.0	69.0
77.5°	48.3	48.3	48.3	48.3
80°	31.0	31.0	31.0	31.0
82.5°	20.7	20.7	20.7	20.7
85°	13.8	10.3	10.3	10.3
87.5°	6.9	3.4	3.4	3.4
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)