

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: P212855

Luminaire Tested: **LD6B60D010TE EU6B60709030 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212855
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 EU6B60709030 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4873.4 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

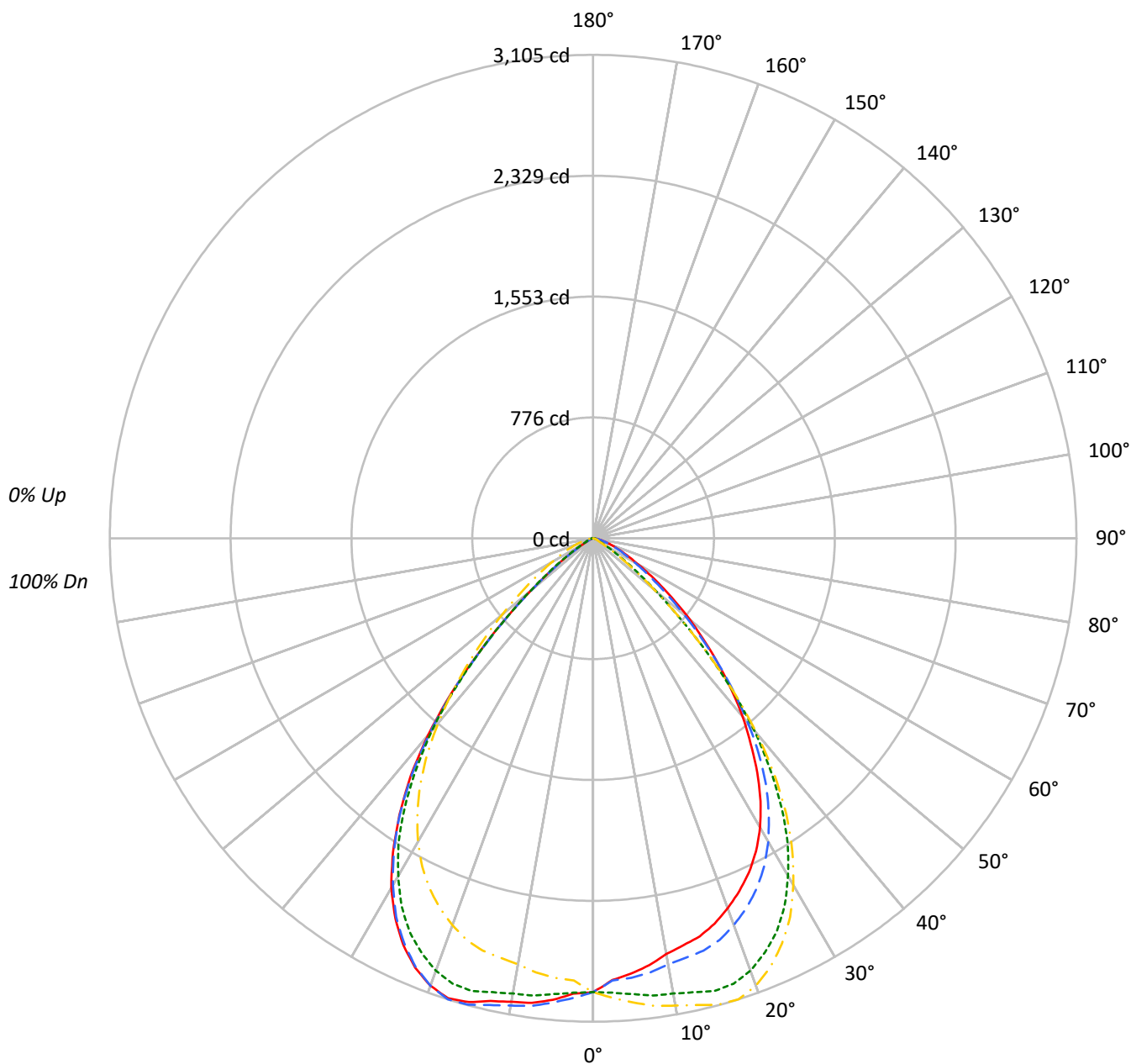
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P212855

CATALOG NUMBER: LD6B60D010TE EU6B60709030 6LBSWL11

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
RW	70	50	30	10		70	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
1	112	109	106	103		110	107	104	102		103	100	98		99	97	96		95	94	93
2	105	99	94	90		103	97	93	89		94	90	87		91	88	85		88	86	84
3	98	91	84	80		96	89	84	79		86	82	78		84	80	76		81	78	75
4	92	83	76	71		90	82	75	70		79	74	70		77	73	69		75	71	68
5	86	76	69	64		84	75	68	63		73	67	63		71	66	62		70	65	62
6	81	70	63	57		79	69	62	57		67	61	57		66	60	56		64	60	56
7	76	64	57	52		74	64	57	52		62	56	52		61	56	51		60	55	51
8	71	60	53	48		70	59	52	48		58	52	47		57	51	47		56	51	47
9	67	55	48	44		66	55	48	44		54	48	43		53	47	43		52	47	43
10	63	52	45	40		62	51	45	40		50	44	40		49	44	40		49	43	40

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	159790	159790	159790	159790
5°	154424	161710	163763	161710
10°	150921	165278	168300	165278
15°	150217	170818	175058	170818
20°	147479	172419	178358	172419
25°	143264	168717	174464	168717
30°	135755	158518	164108	158518
35°	123085	141248	145109	141248
40°	106843	115101	118014	115101
45°	87606	79450	79977	79450
50°	68876	44570	43700	44570
55°	50913	22049	19784	22049
60°	36083	9670	7072	9670
65°	26851	6161	4397	6161
70°	19587	4889	3270	4889
75°	14382	3601	2160	3601
80°	9629	3220	1073	3220
85°	6416	2139	2139	2139



TEST NUMBER: P212855

CATALOG NUMBER: LD6B60D010TE EU6B60709030 6LBSWLI1

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	5.7
10°-20°	826.4	17.0
20°-30°	1233.3	25.3
30°-40°	1267.1	26.0
40°-50°	820.6	16.8
50°-60°	305.1	6.3
60°-70°	100.1	2.1
70°-80°	35.3	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°	2338.8	48.0
0°-40°	3605.9	74.0
0°-60°	4731.6	97.1
0°-90°	4873.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4873.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	2915	2915	2915	2915	2915	
5°	2806	2939	2976	2939	2806	265
15°	2647	3010	3084	3010	2647	744
25°	2368	2789	2884	2789	2368	1085
35°	1839	2111	2168	2111	1839	1142
45°	1130	1025	1032	1025	1130	874
55°	533	231	207	231	533	486
65°	207	48	34	48	207	210
75°	68	17	10	17	68	75
85°	10	3	3	3	10	13
90°	0	0	0	0	0	



TEST NUMBER: P212855

CATALOG NUMBER: LD6B60D010TE EU6B60709030 6LBSWL11

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8
2.5°	2840.2	2880.9	2853.7	2870.7	2843.6	2843.6	2897.9	2867.3	2891.1	2867.3	2843.6
5°	2806.2	2857.1	2823.2	2840.2	2816.4	2819.8	2870.7	2847.0	2870.7	2853.7	2833.4
7.5°	2765.5	2816.4	2785.9	2802.8	2779.1	2785.9	2840.2	2816.4	2843.6	2826.6	2813.0
10°	2711.2	2765.5	2738.4	2755.3	2735.0	2738.4	2792.7	2775.7	2799.5	2789.3	2779.1
12.5°	2677.3	2728.2	2697.7	2714.6	2701.1	2707.8	2758.7	2745.2	2775.7	2765.5	2758.7
15°	2646.8	2694.3	2667.1	2684.1	2673.9	2677.3	2731.6	2718.0	2752.0	2745.2	2741.8
17.5°	2595.9	2646.8	2616.2	2636.6	2626.4	2629.8	2684.1	2673.9	2707.8	2707.8	2704.4
20°	2528.0	2578.9	2555.1	2568.7	2561.9	2568.7	2616.2	2609.4	2643.4	2643.4	2643.4
22.5°	2453.3	2504.2	2477.1	2490.7	2483.9	2494.1	2538.2	2538.2	2565.3	2568.7	2572.1
25°	2368.5	2419.4	2392.3	2409.2	2402.4	2409.2	2449.9	2453.3	2477.1	2477.1	2483.9
27.5°	2266.7	2317.6	2290.5	2304.0	2300.6	2304.0	2348.2	2354.9	2368.5	2371.9	2378.7
30°	2144.6	2192.1	2164.9	2178.5	2178.5	2178.5	2222.6	2226.0	2239.6	2243.0	2249.7
32.5°	2002.0	2042.8	2022.4	2036.0	2032.6	2039.4	2069.9	2083.5	2100.4	2097.0	2100.4
35°	1839.2	1883.3	1862.9	1873.1	1876.5	1886.7	1907.0	1924.0	1927.4	1930.8	1937.6
37.5°	1662.7	1706.8	1686.5	1696.6	1700.0	1720.4	1727.2	1744.1	1750.9	1750.9	1750.9
40°	1493.0	1513.4	1496.4	1506.6	1510.0	1527.0	1533.8	1547.3	1554.1	1550.7	1547.3
42.5°	1309.8	1326.8	1309.8	1320.0	1320.0	1333.6	1337.0	1353.9	1353.9	1347.1	1337.0
45°	1130.0	1146.9	1130.0	1136.7	1136.7	1150.3	1150.3	1150.3	1157.1	1146.9	1130.0
47.5°	960.3	977.3	960.3	967.1	963.7	973.9	970.5	973.9	963.7	956.9	936.5
50°	807.6	814.4	807.6	804.2	807.6	814.4	811.0	811.0	797.4	787.2	763.5
52.5°	658.3	668.5	658.3	658.3	658.3	665.1	665.1	661.7	648.1	634.5	610.8
55°	532.7	539.5	536.1	532.7	532.7	539.5	532.7	532.7	519.2	509.0	485.2
57.5°	424.2	427.6	424.2	424.2	424.2	427.6	427.6	420.8	410.6	400.4	383.4
60°	329.1	332.5	332.5	329.1	329.1	335.9	335.9	332.5	322.4	315.6	298.6
62.5°	261.3	261.3	261.3	261.3	261.3	264.7	264.7	264.7	257.9	251.1	237.5
65°	207.0	210.4	207.0	207.0	210.4	213.8	210.4	213.8	207.0	203.6	193.4
67.5°	159.5	162.9	159.5	162.9	162.9	166.3	162.9	166.3	159.5	156.1	149.3
70°	122.2	122.2	122.2	122.2	122.2	125.6	122.2	125.6	122.2	118.8	112.0
72.5°	91.6	91.6	95.0	95.0	91.6	95.0	91.6	91.6	91.6	88.2	84.8
75°	67.9	67.9	71.3	67.9	67.9	67.9	67.9	67.9	64.5	64.5	61.1
77.5°	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	44.1	44.1	40.7
80°	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	27.1	27.1
82.5°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	17.0	17.0
85°	10.2	10.2	10.2	13.6	10.2	10.2	10.2	10.2	10.2	10.2	10.2
87.5°	3.4	3.4	3.4	6.8	3.4	3.4	6.8	6.8	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: P212855

CATALOG NUMBER: LD6B60D010TE EU6B60709030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°
0°	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8
2.5°	2870.7	2880.9	2880.9	2870.7	2894.5	2874.1	2914.8	2877.5	2887.7	2921.6	2918.2
5°	2860.5	2874.1	2877.5	2870.7	2901.3	2884.3	2925.0	2887.7	2904.6	2938.6	2938.6
7.5°	2847.0	2863.9	2870.7	2877.5	2904.6	2887.7	2935.2	2897.9	2921.6	2962.3	2958.9
10°	2816.4	2840.2	2853.7	2863.9	2891.1	2880.9	2931.8	2901.3	2921.6	2969.1	2965.7
12.5°	2799.5	2826.6	2847.0	2863.9	2894.5	2887.7	2938.6	2911.4	2938.6	2986.1	2986.1
15°	2785.9	2816.4	2840.2	2870.7	2901.3	2894.5	2948.8	2925.0	2952.2	3009.8	3006.4
17.5°	2752.0	2789.3	2813.0	2847.0	2877.5	2874.1	2931.8	2914.8	2945.4	2999.7	3003.1
20°	2694.3	2728.2	2755.3	2796.1	2830.0	2823.2	2884.3	2867.3	2897.9	2955.5	2958.9
22.5°	2619.6	2653.5	2680.7	2724.8	2755.3	2752.0	2813.0	2796.1	2826.6	2880.9	2884.3
25°	2531.4	2561.9	2589.1	2629.8	2663.7	2663.7	2718.0	2701.1	2735.0	2789.3	2789.3
27.5°	2422.8	2449.9	2473.7	2521.2	2548.4	2548.4	2599.3	2582.3	2616.2	2663.7	2660.3
30°	2290.5	2314.2	2334.6	2375.3	2399.0	2402.4	2446.6	2429.6	2463.5	2504.2	2504.2
32.5°	2131.0	2154.7	2168.3	2219.2	2236.2	2232.8	2266.7	2249.7	2283.7	2327.8	2317.6
35°	1961.3	1971.5	1981.7	2032.6	2039.4	2025.8	2059.7	2042.8	2066.5	2110.6	2103.8
37.5°	1767.9	1771.3	1771.3	1815.4	1818.8	1808.6	1829.0	1808.6	1825.6	1866.3	1862.9
40°	1554.1	1550.7	1547.3	1581.3	1577.9	1557.5	1571.1	1554.1	1577.9	1608.4	1591.4
42.5°	1337.0	1326.8	1313.2	1330.2	1316.6	1299.6	1306.4	1279.3	1296.2	1320.0	1299.6
45°	1123.2	1102.8	1075.7	1079.1	1062.1	1041.7	1031.6	1004.4	1001.0	1024.8	1007.8
47.5°	923.0	882.3	858.5	844.9	817.8	800.8	780.5	749.9	736.3	749.9	732.9
50°	743.1	702.4	671.9	641.3	614.2	593.8	559.9	539.5	519.2	522.6	509.0
52.5°	587.0	559.9	509.0	485.2	458.1	434.3	403.8	380.0	356.3	356.3	342.7
55°	464.9	427.6	393.6	359.7	332.5	312.2	281.6	257.9	234.1	230.7	217.2
57.5°	359.7	332.5	295.2	261.3	244.3	224.0	193.4	166.3	152.7	142.5	132.3
60°	278.2	251.1	220.6	193.4	173.1	159.5	128.9	108.6	95.0	88.2	78.0
62.5°	224.0	200.2	173.1	145.9	132.3	118.8	95.0	78.0	64.5	57.7	50.9
65°	179.8	159.5	139.1	118.8	108.6	95.0	78.0	64.5	54.3	47.5	40.7
67.5°	139.1	125.6	108.6	95.0	84.8	74.7	61.1	50.9	44.1	37.3	33.9
70°	105.2	95.0	84.8	71.3	64.5	57.7	47.5	37.3	33.9	30.5	27.1
72.5°	81.4	71.3	61.1	54.3	47.5	44.1	37.3	30.5	27.1	23.8	20.4
75°	54.3	50.9	44.1	37.3	33.9	30.5	27.1	23.8	20.4	17.0	17.0
77.5°	37.3	33.9	30.5	27.1	23.8	23.8	20.4	17.0	13.6	13.6	10.2
80°	23.8	20.4	20.4	17.0	17.0	17.0	13.6	10.2	10.2	10.2	6.8
82.5°	17.0	13.6	13.6	10.2	10.2	10.2	10.2	6.8	6.8	6.8	3.4
85°	10.2	6.8	6.8	6.8	6.8	6.8	6.8	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



TEST NUMBER: P212855

CATALOG NUMBER: LD6B60D010TE EU6B60709030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	100°	105°	110°	112.5°	115°	120°	125°	130°	135°	140°	145°
0°	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8
2.5°	2891.1	2921.6	2921.6	2948.8	2952.2	2945.4	2914.8	2914.8	2955.5	2979.3	2938.6
5°	2918.2	2948.8	2948.8	2975.9	2989.5	2979.3	2948.8	2952.2	2992.9	3020.0	2979.3
7.5°	2942.0	2972.5	2979.3	3009.8	3020.0	3009.8	2979.3	2986.1	3030.2	3054.0	3013.2
10°	2952.2	2982.7	2986.1	3020.0	3033.6	3020.0	2996.3	2999.7	3047.2	3064.1	3026.8
12.5°	2975.9	3006.4	3006.4	3043.8	3057.3	3047.2	3016.6	3023.4	3070.9	3087.9	3050.6
15°	2999.7	3030.2	3030.2	3070.9	3087.9	3074.3	3050.6	3054.0	3101.5	3118.4	3087.9
17.5°	2999.7	3026.8	3026.8	3070.9	3087.9	3077.7	3050.6	3054.0	3104.9	3118.4	3087.9
20°	2955.5	2986.1	2979.3	3023.4	3040.4	3030.2	3006.4	3006.4	3057.3	3070.9	3040.4
22.5°	2884.3	2911.4	2904.6	2945.4	2965.7	2952.2	2931.8	2928.4	2979.3	2992.9	2962.3
25°	2785.9	2813.0	2806.2	2847.0	2867.3	2850.4	2826.6	2830.0	2870.7	2891.1	2863.9
27.5°	2670.5	2687.5	2677.3	2718.0	2738.4	2721.4	2697.7	2701.1	2741.8	2755.3	2735.0
30°	2514.4	2528.0	2517.8	2551.7	2565.3	2555.1	2534.8	2534.8	2572.1	2589.1	2568.7
32.5°	2327.8	2338.0	2327.8	2354.9	2382.1	2361.7	2341.4	2341.4	2382.1	2395.7	2371.9
35°	2110.6	2120.8	2114.0	2141.2	2161.5	2134.4	2117.4	2110.6	2164.9	2158.1	2144.6
37.5°	1869.7	1876.5	1856.1	1903.6	1913.8	1883.3	1869.7	1862.9	1910.4	1907.0	1893.5
40°	1598.2	1605.0	1591.4	1625.4	1628.8	1605.0	1594.8	1584.7	1632.2	1628.8	1618.6
42.5°	1309.8	1313.2	1296.2	1323.4	1330.2	1306.4	1303.0	1289.4	1333.6	1326.8	1323.4
45°	1011.2	1011.2	997.6	1018.0	1024.8	1004.4	997.6	994.2	1024.8	1024.8	1018.0
47.5°	732.9	722.8	705.8	736.3	739.7	726.2	722.8	712.6	743.1	743.1	736.3
50°	502.2	498.8	495.4	502.2	505.6	488.6	498.8	488.6	505.6	505.6	505.6
52.5°	335.9	332.5	325.8	332.5	332.5	322.4	322.4	319.0	332.5	332.5	325.8
55°	210.4	207.0	203.6	207.0	207.0	196.8	203.6	196.8	203.6	203.6	200.2
57.5°	128.9	122.2	122.2	118.8	118.8	112.0	115.4	115.4	115.4	115.4	115.4
60°	74.7	71.3	67.9	67.9	67.9	64.5	64.5	64.5	64.5	64.5	64.5
62.5°	47.5	47.5	44.1	44.1	44.1	44.1	44.1	40.7	44.1	44.1	44.1
65°	40.7	37.3	37.3	37.3	37.3	33.9	33.9	33.9	33.9	33.9	33.9
67.5°	33.9	30.5	30.5	30.5	30.5	27.1	27.1	27.1	27.1	27.1	27.1
70°	27.1	23.8	23.8	23.8	23.8	23.8	20.4	23.8	23.8	20.4	20.4
72.5°	20.4	20.4	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
75°	13.6	13.6	13.6	13.6	13.6	10.2	10.2	10.2	10.2	10.2	10.2
77.5°	10.2	10.2	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	6.8	6.8	6.8	6.8	6.8	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: P212855

CATALOG NUMBER: LD6B60D010TE EU6B60709030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8
2.5°	2986.1	2952.2	2935.2	2969.1	2982.7	2965.7	2952.2	2928.4	2952.2	2965.7	2982.7
5°	3026.8	2996.3	2982.7	3006.4	3026.8	3009.8	2999.7	2975.9	2999.7	3009.8	3026.8
7.5°	3064.1	3033.6	3016.6	3040.4	3064.1	3040.4	3030.2	3009.8	3030.2	3040.4	3064.1
10°	3077.7	3043.8	3030.2	3050.6	3074.3	3050.6	3037.0	3023.4	3037.0	3050.6	3074.3
12.5°	3101.5	3067.5	3050.6	3067.5	3091.3	3067.5	3054.0	3043.8	3054.0	3067.5	3091.3
15°	3135.4	3104.9	3084.5	3101.5	3132.0	3104.9	3087.9	3084.5	3087.9	3104.9	3132.0
17.5°	3135.4	3111.6	3091.3	3104.9	3135.4	3115.0	3091.3	3098.1	3091.3	3115.0	3135.4
20°	3091.3	3067.5	3050.6	3050.6	3094.7	3067.5	3047.2	3057.3	3047.2	3067.5	3094.7
22.5°	3013.2	2992.9	2975.9	2972.5	3016.6	2992.9	2965.7	2986.1	2965.7	2992.9	3016.6
25°	2911.4	2891.1	2877.5	2870.7	2914.8	2887.7	2863.9	2884.3	2863.9	2887.7	2914.8
27.5°	2779.1	2762.1	2748.6	2738.4	2779.1	2755.3	2731.6	2752.0	2731.6	2755.3	2779.1
30°	2609.4	2599.3	2585.7	2572.1	2612.8	2589.1	2565.3	2592.5	2565.3	2589.1	2612.8
32.5°	2412.6	2405.8	2388.9	2375.3	2416.0	2388.9	2371.9	2392.3	2371.9	2388.9	2416.0
35°	2185.3	2175.1	2164.9	2141.2	2185.3	2161.5	2161.5	2168.3	2161.5	2161.5	2185.3
37.5°	1930.8	1924.0	1910.4	1890.1	1927.4	1910.4	1903.6	1924.0	1903.6	1910.4	1927.4
40°	1645.7	1642.3	1632.2	1608.4	1649.1	1632.2	1622.0	1649.1	1622.0	1632.2	1649.1
42.5°	1347.1	1340.3	1330.2	1326.8	1347.1	1333.6	1343.7	1343.7	1343.7	1333.6	1347.1
45°	1038.3	1031.6	1024.8	1011.2	1035.0	1028.2	1024.8	1031.6	1024.8	1028.2	1035.0
47.5°	753.3	746.5	739.7	729.6	753.3	743.1	743.1	749.9	743.1	743.1	753.3
50°	505.6	509.0	505.6	498.8	505.6	502.2	505.6	512.4	505.6	502.2	505.6
52.5°	335.9	335.9	329.1	325.8	332.5	329.1	339.3	332.5	339.3	329.1	332.5
55°	203.6	207.0	203.6	200.2	203.6	200.2	210.4	207.0	210.4	200.2	203.6
57.5°	115.4	115.4	118.8	115.4	122.2	118.8	118.8	118.8	118.8	118.8	122.2
60°	64.5	64.5	64.5	64.5	64.5	64.5	67.9	64.5	67.9	64.5	64.5
62.5°	44.1	44.1	44.1	40.7	44.1	40.7	44.1	44.1	44.1	40.7	44.1
65°	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9
67.5°	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1
70°	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4	20.4
72.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
75°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
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: P212855

CATALOG NUMBER: LD6B60D010TE EU6B60709030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8
2.5°	2969.1	2935.2	2952.2	2986.1	2938.6	2979.3	2955.5	2914.8	2914.8	2945.4	2952.2
5°	3006.4	2982.7	2996.3	3026.8	2979.3	3020.0	2992.9	2952.2	2948.8	2979.3	2989.5
7.5°	3040.4	3016.6	3033.6	3064.1	3013.2	3054.0	3030.2	2986.1	2979.3	3009.8	3020.0
10°	3050.6	3030.2	3043.8	3077.7	3026.8	3064.1	3047.2	2999.7	2996.3	3020.0	3033.6
12.5°	3067.5	3050.6	3067.5	3101.5	3050.6	3087.9	3070.9	3023.4	3016.6	3047.2	3057.3
15°	3101.5	3084.5	3104.9	3135.4	3087.9	3118.4	3101.5	3054.0	3050.6	3074.3	3087.9
17.5°	3104.9	3091.3	3111.6	3135.4	3087.9	3118.4	3104.9	3054.0	3050.6	3077.7	3087.9
20°	3050.6	3050.6	3067.5	3091.3	3040.4	3070.9	3057.3	3006.4	3006.4	3030.2	3040.4
22.5°	2972.5	2975.9	2992.9	3013.2	2962.3	2992.9	2979.3	2928.4	2931.8	2952.2	2965.7
25°	2870.7	2877.5	2891.1	2911.4	2863.9	2891.1	2870.7	2830.0	2826.6	2850.4	2867.3
27.5°	2738.4	2748.6	2762.1	2779.1	2735.0	2755.3	2741.8	2701.1	2697.7	2721.4	2738.4
30°	2572.1	2585.7	2599.3	2609.4	2568.7	2589.1	2572.1	2534.8	2534.8	2555.1	2565.3
32.5°	2375.3	2388.9	2405.8	2412.6	2371.9	2395.7	2382.1	2341.4	2341.4	2361.7	2382.1
35°	2141.2	2164.9	2175.1	2185.3	2144.6	2158.1	2164.9	2110.6	2117.4	2134.4	2161.5
37.5°	1890.1	1910.4	1924.0	1930.8	1893.5	1907.0	1910.4	1862.9	1869.7	1883.3	1913.8
40°	1608.4	1632.2	1642.3	1645.7	1618.6	1628.8	1632.2	1584.7	1594.8	1605.0	1628.8
42.5°	1326.8	1330.2	1340.3	1347.1	1323.4	1326.8	1333.6	1289.4	1303.0	1306.4	1330.2
45°	1011.2	1024.8	1031.6	1038.3	1018.0	1024.8	1024.8	994.2	997.6	1004.4	1024.8
47.5°	729.6	739.7	746.5	753.3	736.3	743.1	743.1	712.6	722.8	726.2	739.7
50°	498.8	505.6	509.0	505.6	505.6	505.6	505.6	488.6	498.8	488.6	505.6
52.5°	325.8	329.1	335.9	335.9	325.8	332.5	332.5	319.0	322.4	322.4	332.5
55°	200.2	203.6	207.0	203.6	200.2	203.6	203.6	196.8	203.6	196.8	207.0
57.5°	115.4	118.8	115.4	115.4	115.4	115.4	115.4	115.4	115.4	112.0	118.8
60°	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	67.9
62.5°	40.7	44.1	44.1	44.1	44.1	44.1	44.1	40.7	44.1	44.1	44.1
65°	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	33.9	37.3
67.5°	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	27.1	30.5
70°	20.4	20.4	20.4	20.4	20.4	20.4	23.8	23.8	20.4	23.8	23.8
72.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0
75°	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2	13.6
77.5°	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8
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: P212855

CATALOG NUMBER: LD6B60D010TE EU6B60709030 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8
2.5°	2948.8	2921.6	2921.6	2891.1	2918.2	2921.6	2887.7	2877.5	2914.8	2874.1	2894.5
5°	2975.9	2948.8	2948.8	2918.2	2938.6	2938.6	2904.6	2887.7	2925.0	2884.3	2901.3
7.5°	3009.8	2979.3	2972.5	2942.0	2958.9	2962.3	2921.6	2897.9	2935.2	2887.7	2904.6
10°	3020.0	2986.1	2982.7	2952.2	2965.7	2969.1	2921.6	2901.3	2931.8	2880.9	2891.1
12.5°	3043.8	3006.4	3006.4	2975.9	2986.1	2986.1	2938.6	2911.4	2938.6	2887.7	2894.5
15°	3070.9	3030.2	3030.2	2999.7	3006.4	3009.8	2952.2	2925.0	2948.8	2894.5	2901.3
17.5°	3070.9	3026.8	3026.8	2999.7	3003.1	2999.7	2945.4	2914.8	2931.8	2874.1	2877.5
20°	3023.4	2979.3	2986.1	2955.5	2958.9	2955.5	2897.9	2867.3	2884.3	2823.2	2830.0
22.5°	2945.4	2904.6	2911.4	2884.3	2884.3	2880.9	2826.6	2796.1	2813.0	2752.0	2755.3
25°	2847.0	2806.2	2813.0	2785.9	2789.3	2789.3	2735.0	2701.1	2718.0	2663.7	2663.7
27.5°	2718.0	2677.3	2687.5	2670.5	2660.3	2663.7	2616.2	2582.3	2599.3	2548.4	2548.4
30°	2551.7	2517.8	2528.0	2514.4	2504.2	2504.2	2463.5	2429.6	2446.6	2402.4	2399.0
32.5°	2354.9	2327.8	2338.0	2327.8	2317.6	2327.8	2283.7	2249.7	2266.7	2232.8	2236.2
35°	2141.2	2114.0	2120.8	2110.6	2103.8	2110.6	2066.5	2042.8	2059.7	2025.8	2039.4
37.5°	1903.6	1856.1	1876.5	1869.7	1862.9	1866.3	1825.6	1808.6	1829.0	1808.6	1818.8
40°	1625.4	1591.4	1605.0	1598.2	1591.4	1608.4	1577.9	1554.1	1571.1	1557.5	1577.9
42.5°	1323.4	1296.2	1313.2	1309.8	1299.6	1320.0	1296.2	1279.3	1306.4	1299.6	1316.6
45°	1018.0	997.6	1011.2	1011.2	1007.8	1024.8	1001.0	1004.4	1031.6	1041.7	1062.1
47.5°	736.3	705.8	722.8	732.9	732.9	749.9	736.3	749.9	780.5	800.8	817.8
50°	502.2	495.4	498.8	502.2	509.0	522.6	519.2	539.5	559.9	593.8	614.2
52.5°	332.5	325.8	332.5	335.9	342.7	356.3	356.3	380.0	403.8	434.3	458.1
55°	207.0	203.6	207.0	210.4	217.2	230.7	234.1	257.9	281.6	312.2	332.5
57.5°	118.8	122.2	122.2	128.9	132.3	142.5	152.7	166.3	193.4	224.0	244.3
60°	67.9	67.9	71.3	74.7	78.0	88.2	95.0	108.6	128.9	159.5	173.1
62.5°	44.1	44.1	47.5	47.5	50.9	57.7	64.5	78.0	95.0	118.8	132.3
65°	37.3	37.3	37.3	40.7	40.7	47.5	54.3	64.5	78.0	95.0	108.6
67.5°	30.5	30.5	30.5	33.9	33.9	37.3	44.1	50.9	61.1	74.7	84.8
70°	23.8	23.8	23.8	27.1	27.1	30.5	33.9	37.3	47.5	57.7	64.5
72.5°	17.0	17.0	20.4	20.4	20.4	23.8	27.1	30.5	37.3	44.1	47.5
75°	13.6	13.6	13.6	13.6	17.0	17.0	20.4	23.8	27.1	30.5	33.9
77.5°	6.8	6.8	10.2	10.2	10.2	13.6	13.6	17.0	20.4	23.8	23.8
80°	6.8	6.8	6.8	6.8	6.8	10.2	10.2	10.2	13.6	17.0	17.0
82.5°	3.4	3.4	3.4	3.4	3.4	6.8	6.8	6.8	10.2	10.2	10.2
85°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	6.8
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: P212855

CATALOG NUMBER: LD6B60D010TE EU6B60709030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8	2914.8
2.5°	2870.7	2880.9	2880.9	2870.7	2843.6	2867.3	2891.1	2867.3	2897.9	2843.6	2843.6
5°	2870.7	2877.5	2874.1	2860.5	2833.4	2853.7	2870.7	2847.0	2870.7	2819.8	2816.4
7.5°	2877.5	2870.7	2863.9	2847.0	2813.0	2826.6	2843.6	2816.4	2840.2	2785.9	2779.1
10°	2863.9	2853.7	2840.2	2816.4	2779.1	2789.3	2799.5	2775.7	2792.7	2738.4	2735.0
12.5°	2863.9	2847.0	2826.6	2799.5	2758.7	2765.5	2775.7	2745.2	2758.7	2707.8	2701.1
15°	2870.7	2840.2	2816.4	2785.9	2741.8	2745.2	2752.0	2718.0	2731.6	2677.3	2673.9
17.5°	2847.0	2813.0	2789.3	2752.0	2704.4	2707.8	2707.8	2673.9	2684.1	2629.8	2626.4
20°	2796.1	2755.3	2728.2	2694.3	2643.4	2643.4	2643.4	2609.4	2616.2	2568.7	2561.9
22.5°	2724.8	2680.7	2653.5	2619.6	2572.1	2568.7	2565.3	2538.2	2538.2	2494.1	2483.9
25°	2629.8	2589.1	2561.9	2531.4	2483.9	2477.1	2477.1	2453.3	2449.9	2409.2	2402.4
27.5°	2521.2	2473.7	2449.9	2422.8	2378.7	2371.9	2368.5	2354.9	2348.2	2304.0	2300.6
30°	2375.3	2334.6	2314.2	2290.5	2249.7	2243.0	2239.6	2226.0	2222.6	2178.5	2178.5
32.5°	2219.2	2168.3	2154.7	2131.0	2100.4	2097.0	2100.4	2083.5	2069.9	2039.4	2032.6
35°	2032.6	1981.7	1971.5	1961.3	1937.6	1930.8	1927.4	1924.0	1907.0	1886.7	1876.5
37.5°	1815.4	1771.3	1771.3	1767.9	1750.9	1750.9	1750.9	1744.1	1727.2	1720.4	1700.0
40°	1581.3	1547.3	1550.7	1554.1	1547.3	1550.7	1554.1	1547.3	1533.8	1527.0	1510.0
42.5°	1330.2	1313.2	1326.8	1337.0	1337.0	1347.1	1353.9	1353.9	1337.0	1333.6	1320.0
45°	1079.1	1075.7	1102.8	1123.2	1130.0	1146.9	1157.1	1150.3	1150.3	1150.3	1136.7
47.5°	844.9	858.5	882.3	923.0	936.5	956.9	963.7	973.9	970.5	973.9	963.7
50°	641.3	671.9	702.4	743.1	763.5	787.2	797.4	811.0	811.0	814.4	807.6
52.5°	485.2	509.0	559.9	587.0	610.8	634.5	648.1	661.7	665.1	665.1	658.3
55°	359.7	393.6	427.6	464.9	485.2	509.0	519.2	532.7	532.7	539.5	532.7
57.5°	261.3	295.2	332.5	359.7	383.4	400.4	410.6	420.8	427.6	427.6	424.2
60°	193.4	220.6	251.1	278.2	298.6	315.6	322.4	332.5	335.9	335.9	329.1
62.5°	145.9	173.1	200.2	224.0	237.5	251.1	257.9	264.7	264.7	264.7	261.3
65°	118.8	139.1	159.5	179.8	193.4	203.6	207.0	213.8	210.4	213.8	210.4
67.5°	95.0	108.6	125.6	139.1	149.3	156.1	159.5	166.3	162.9	166.3	162.9
70°	71.3	84.8	95.0	105.2	112.0	118.8	122.2	125.6	122.2	125.6	122.2
72.5°	54.3	61.1	71.3	81.4	84.8	88.2	91.6	91.6	91.6	95.0	91.6
75°	37.3	44.1	50.9	54.3	61.1	64.5	64.5	67.9	67.9	67.9	67.9
77.5°	27.1	30.5	33.9	37.3	40.7	44.1	44.1	47.5	47.5	47.5	47.5
80°	17.0	20.4	20.4	23.8	27.1	27.1	30.5	30.5	30.5	30.5	30.5
82.5°	10.2	13.6	13.6	17.0	17.0	17.0	20.4	20.4	20.4	20.4	20.4
85°	6.8	6.8	6.8	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	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: P212855

CATALOG NUMBER: LD6B60D010TE EU6B60709030 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	2914.8	2914.8	2914.8	2914.8
2.5°	2870.7	2853.7	2880.9	2840.2
5°	2840.2	2823.2	2857.1	2806.2
7.5°	2802.8	2785.9	2816.4	2765.5
10°	2755.3	2738.4	2765.5	2711.2
12.5°	2714.6	2697.7	2728.2	2677.3
15°	2684.1	2667.1	2694.3	2646.8
17.5°	2636.6	2616.2	2646.8	2595.9
20°	2568.7	2555.1	2578.9	2528.0
22.5°	2490.7	2477.1	2504.2	2453.3
25°	2409.2	2392.3	2419.4	2368.5
27.5°	2304.0	2290.5	2317.6	2266.7
30°	2178.5	2164.9	2192.1	2144.6
32.5°	2036.0	2022.4	2042.8	2002.0
35°	1873.1	1862.9	1883.3	1839.2
37.5°	1696.6	1686.5	1706.8	1662.7
40°	1506.6	1496.4	1513.4	1493.0
42.5°	1320.0	1309.8	1326.8	1309.8
45°	1136.7	1130.0	1146.9	1130.0
47.5°	967.1	960.3	977.3	960.3
50°	804.2	807.6	814.4	807.6
52.5°	658.3	658.3	668.5	658.3
55°	532.7	536.1	539.5	532.7
57.5°	424.2	424.2	427.6	424.2
60°	329.1	332.5	332.5	329.1
62.5°	261.3	261.3	261.3	261.3
65°	207.0	207.0	210.4	207.0
67.5°	162.9	159.5	162.9	159.5
70°	122.2	122.2	122.2	122.2
72.5°	95.0	95.0	91.6	91.6
75°	67.9	71.3	67.9	67.9
77.5°	47.5	47.5	47.5	47.5
80°	30.5	30.5	30.5	30.5
82.5°	20.4	20.4	20.4	20.4
85°	13.6	10.2	10.2	10.2
87.5°	6.8	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)