

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: P212851

Luminaire Tested: **LD6B60D010TE EU6B60708040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212851
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 EU6B60708040 6LBSWL11
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5910.9 lumens
Efficiency: N/A
Efficacy: 94.6 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

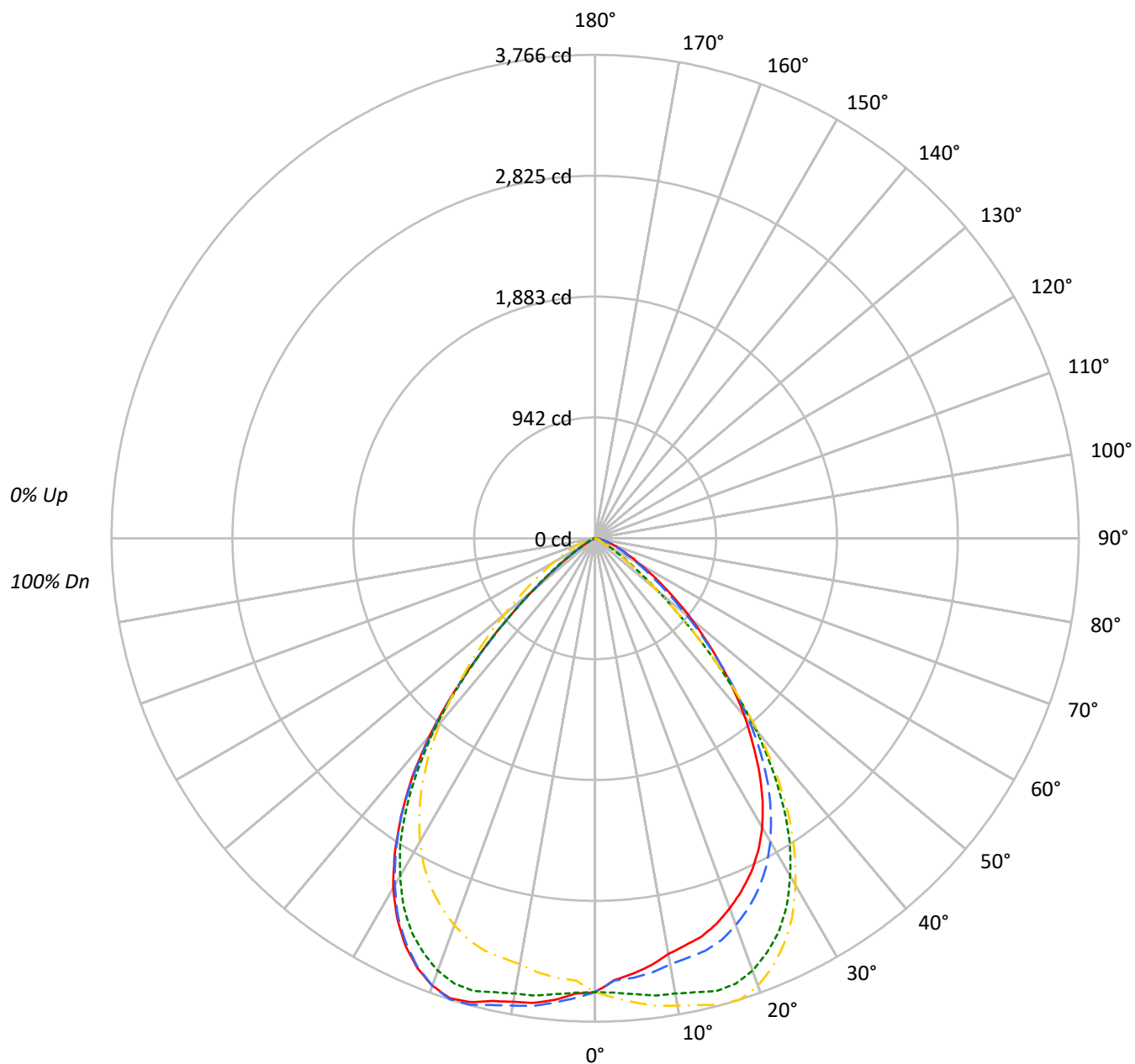
Input Watts (W): 62.48
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	193811	193811	193811	193811
5°	187304	196136	198629	196136
10°	183052	200464	204132	200464
15°	182192	207186	212328	207186
20°	178877	209132	216330	209132
25°	173768	204635	211603	204635
30°	164652	192270	199043	192270
35°	149285	171323	176001	171323
40°	129593	139604	143140	139604
45°	106251	96359	97002	96359
50°	83537	54054	53005	54054
55°	61761	26752	23999	26752
60°	43768	11732	8574	11732
65°	32572	7472	5344	7472
70°	23754	5930	3959	5930
75°	17432	4363	2605	4363
80°	11681	3883	1294	3883
85°	7737	2579	2579	2579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.4	5.7
10°-20°	1002.4	17.0
20°-30°	1495.9	25.3
30°-40°	1536.9	26.0
40°-50°	995.2	16.8
50°-60°	370.1	6.3
60°-70°	121.4	2.1
70°-80°	42.8	0.7
80°-90°	7.7	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°	2836.7	48.0
0°-40°	4373.6	74.0
0°-60°	5738.9	97.1
0°-90°	5910.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5910.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	3535	3535	3535	3535	3535	
5°	3404	3564	3610	3564	3404	322
15°	3210	3651	3741	3651	3210	903
25°	2873	3383	3498	3383	2873	1317
35°	2231	2560	2630	2560	2231	1385
45°	1370	1243	1251	1243	1370	1060
55°	646	280	251	280	646	589
65°	251	58	41	58	251	255
75°	82	21	12	21	82	90
85°	12	4	4	4	12	16
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°	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4
2.5°	3444.8	3494.2	3461.3	3481.9	3449.0	3449.0	3514.8	3477.8	3506.6	3477.8	3449.0
5°	3403.7	3465.4	3424.3	3444.8	3416.0	3420.1	3481.9	3453.1	3481.9	3461.3	3436.6
7.5°	3354.3	3416.0	3379.0	3399.6	3370.8	3379.0	3444.8	3416.0	3449.0	3428.4	3411.9
10°	3288.4	3354.3	3321.4	3341.9	3317.3	3321.4	3387.2	3366.6	3395.5	3383.1	3370.8
12.5°	3247.3	3309.0	3272.0	3292.6	3276.1	3284.3	3346.1	3329.6	3366.6	3354.3	3346.1
15°	3210.2	3267.9	3234.9	3255.5	3243.2	3247.3	3313.1	3296.7	3337.8	3329.6	3325.5
17.5°	3148.5	3210.2	3173.2	3197.9	3185.6	3189.7	3255.5	3243.2	3284.3	3284.3	3280.2
20°	3066.2	3127.9	3099.1	3115.6	3107.4	3115.6	3173.2	3165.0	3206.1	3206.1	3206.1
22.5°	2975.7	3037.4	3004.5	3020.9	3012.7	3025.0	3078.5	3078.5	3111.5	3115.6	3119.7
25°	2872.8	2934.5	2901.6	2922.1	2913.9	2922.1	2971.5	2975.7	3004.5	3004.5	3012.7
27.5°	2749.3	2811.0	2778.1	2794.6	2790.4	2794.6	2848.1	2856.3	2872.8	2876.9	2885.1
30°	2601.1	2658.7	2625.8	2642.3	2642.3	2642.3	2695.8	2699.9	2716.4	2720.5	2728.7
32.5°	2428.3	2477.7	2453.0	2469.4	2465.3	2473.5	2510.6	2527.0	2547.6	2543.5	2547.6
35°	2230.7	2284.2	2259.5	2271.9	2276.0	2288.3	2313.0	2333.6	2337.7	2341.8	2350.1
37.5°	2016.7	2070.2	2045.5	2057.8	2062.0	2086.7	2094.9	2115.5	2123.7	2123.7	2123.7
40°	1810.9	1835.6	1815.0	1827.4	1831.5	1852.1	1860.3	1876.8	1885.0	1880.9	1876.8
42.5°	1588.7	1609.2	1588.7	1601.0	1601.0	1617.5	1621.6	1642.2	1642.2	1633.9	1621.6
45°	1370.5	1391.1	1370.5	1378.8	1378.8	1395.2	1395.2	1395.2	1403.5	1391.1	1370.5
47.5°	1164.7	1185.3	1164.7	1173.0	1168.9	1181.2	1177.1	1181.2	1168.9	1160.6	1135.9
50°	979.5	987.8	979.5	975.4	979.5	987.8	983.7	983.7	967.2	954.8	926.0
52.5°	798.4	810.8	798.4	798.4	798.4	806.7	806.7	802.6	786.1	769.6	740.8
55°	646.2	654.4	650.3	646.2	646.2	654.4	646.2	646.2	629.7	617.4	588.5
57.5°	514.5	518.6	514.5	514.5	514.5	518.6	518.6	510.3	498.0	485.7	465.1
60°	399.2	403.3	403.3	399.2	399.2	407.5	407.5	403.3	391.0	382.8	362.2
62.5°	316.9	316.9	316.9	316.9	316.9	321.0	321.0	321.0	312.8	304.6	288.1
65°	251.1	255.2	251.1	251.1	255.2	259.3	255.2	259.3	251.1	246.9	234.6
67.5°	193.4	197.6	193.4	197.6	197.6	201.7	197.6	201.7	193.4	189.3	181.1
70°	148.2	148.2	148.2	148.2	148.2	152.3	148.2	152.3	148.2	144.0	135.8
72.5°	111.1	111.1	115.2	115.2	111.1	115.2	111.1	111.1	111.1	107.0	102.9
75°	82.3	82.3	86.4	82.3	82.3	82.3	82.3	82.3	78.2	78.2	74.1
77.5°	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	53.5	53.5	49.4
80°	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0	32.9	32.9
82.5°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	20.6	20.6
85°	12.3	12.3	12.3	16.5	12.3	12.3	12.3	12.3	12.3	12.3	12.3
87.5°	4.1	4.1	4.1	8.2	4.1	4.1	8.2	8.2	4.1	4.1	4.1
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°	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4
2.5°	3481.9	3494.2	3494.2	3481.9	3510.7	3486.0	3535.4	3490.1	3502.5	3543.6	3539.5
5°	3469.5	3486.0	3490.1	3481.9	3518.9	3498.3	3547.7	3502.5	3523.0	3564.2	3564.2
7.5°	3453.1	3473.6	3481.9	3490.1	3523.0	3502.5	3560.1	3514.8	3543.6	3593.0	3588.9
10°	3416.0	3444.8	3461.3	3473.6	3506.6	3494.2	3556.0	3518.9	3543.6	3601.2	3597.1
12.5°	3395.5	3428.4	3453.1	3473.6	3510.7	3502.5	3564.2	3531.3	3564.2	3621.8	3621.8
15°	3379.0	3416.0	3444.8	3481.9	3518.9	3510.7	3576.5	3547.7	3580.7	3650.6	3646.5
17.5°	3337.8	3383.1	3411.9	3453.1	3490.1	3486.0	3556.0	3535.4	3572.4	3638.3	3642.4
20°	3267.9	3309.0	3341.9	3391.3	3432.5	3424.3	3498.3	3477.8	3514.8	3584.8	3588.9
22.5°	3177.3	3218.5	3251.4	3304.9	3341.9	3337.8	3411.9	3391.3	3428.4	3494.2	3498.3
25°	3070.3	3107.4	3140.3	3189.7	3230.8	3230.8	3296.7	3276.1	3317.3	3383.1	3383.1
27.5°	2938.6	2971.5	3000.3	3058.0	3090.9	3090.9	3152.6	3132.0	3173.2	3230.8	3226.7
30°	2778.1	2806.9	2831.6	2881.0	2909.8	2913.9	2967.4	2946.8	2988.0	3037.4	3037.4
32.5°	2584.7	2613.5	2629.9	2691.7	2712.2	2708.1	2749.3	2728.7	2769.9	2823.4	2811.0
35°	2378.9	2391.2	2403.6	2465.3	2473.5	2457.1	2498.2	2477.7	2506.5	2560.0	2551.7
37.5°	2144.3	2148.4	2148.4	2201.9	2206.0	2193.7	2218.4	2193.7	2214.2	2263.6	2259.5
40°	1885.0	1880.9	1876.8	1917.9	1913.8	1889.1	1905.6	1885.0	1913.8	1950.8	1930.3
42.5°	1621.6	1609.2	1592.8	1613.4	1596.9	1576.3	1584.5	1551.6	1572.2	1601.0	1576.3
45°	1362.3	1337.6	1304.7	1308.8	1288.2	1263.5	1251.2	1218.2	1214.1	1242.9	1222.4
47.5°	1119.5	1070.1	1041.3	1024.8	991.9	971.3	946.6	909.6	893.1	909.6	889.0
50°	901.3	851.9	814.9	777.9	744.9	720.2	679.1	654.4	629.7	633.8	617.4
52.5°	712.0	679.1	617.4	588.5	555.6	526.8	489.8	461.0	432.1	432.1	415.7
55°	563.9	518.6	477.4	436.3	403.3	378.6	341.6	312.8	284.0	279.9	263.4
57.5°	436.3	403.3	358.1	316.9	296.3	271.6	234.6	201.7	185.2	172.9	160.5
60°	337.5	304.6	267.5	234.6	209.9	193.4	156.4	131.7	115.2	107.0	94.7
62.5°	271.6	242.8	209.9	177.0	160.5	144.0	115.2	94.7	78.2	70.0	61.7
65°	218.1	193.4	168.7	144.0	131.7	115.2	94.7	78.2	65.9	57.6	49.4
67.5°	168.7	152.3	131.7	115.2	102.9	90.5	74.1	61.7	53.5	45.3	41.2
70°	127.6	115.2	102.9	86.4	78.2	70.0	57.6	45.3	41.2	37.0	32.9
72.5°	98.8	86.4	74.1	65.9	57.6	53.5	45.3	37.0	32.9	28.8	24.7
75°	65.9	61.7	53.5	45.3	41.2	37.0	32.9	28.8	24.7	20.6	20.6
77.5°	45.3	41.2	37.0	32.9	28.8	28.8	24.7	20.6	16.5	16.5	12.3
80°	28.8	24.7	24.7	20.6	20.6	20.6	16.5	12.3	12.3	12.3	8.2
82.5°	20.6	16.5	16.5	12.3	12.3	12.3	12.3	8.2	8.2	8.2	4.1
85°	12.3	8.2	8.2	8.2	8.2	8.2	8.2	4.1	4.1	4.1	4.1
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	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°	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4
2.5°	3506.6	3543.6	3543.6	3576.5	3580.7	3572.4	3535.4	3535.4	3584.8	3613.6	3564.2
5°	3539.5	3576.5	3576.5	3609.5	3625.9	3613.6	3576.5	3580.7	3630.0	3663.0	3613.6
7.5°	3568.3	3605.4	3613.6	3650.6	3663.0	3650.6	3613.6	3621.8	3675.3	3704.1	3654.7
10°	3580.7	3617.7	3621.8	3663.0	3679.4	3663.0	3634.2	3638.3	3695.9	3716.5	3671.2
12.5°	3609.5	3646.5	3646.5	3691.8	3708.2	3695.9	3658.9	3667.1	3724.7	3745.3	3700.0
15°	3638.3	3675.3	3675.3	3724.7	3745.3	3728.8	3700.0	3704.1	3761.7	3782.3	3745.3
17.5°	3638.3	3671.2	3671.2	3724.7	3745.3	3732.9	3700.0	3704.1	3765.9	3782.3	3745.3
20°	3584.8	3621.8	3613.6	3667.1	3687.7	3675.3	3646.5	3646.5	3708.2	3724.7	3687.7
22.5°	3498.3	3531.3	3523.0	3572.4	3597.1	3580.7	3556.0	3551.8	3613.6	3630.0	3593.0
25°	3379.0	3411.9	3403.7	3453.1	3477.8	3457.2	3428.4	3432.5	3481.9	3506.6	3473.6
27.5°	3239.1	3259.6	3247.3	3296.7	3321.4	3300.8	3272.0	3276.1	3325.5	3341.9	3317.3
30°	3049.7	3066.2	3053.8	3095.0	3111.5	3099.1	3074.4	3074.4	3119.7	3140.3	3115.6
32.5°	2823.4	2835.7	2823.4	2856.3	2889.2	2864.5	2839.8	2839.8	2889.2	2905.7	2876.9
35°	2560.0	2572.3	2564.1	2597.0	2621.7	2588.8	2568.2	2560.0	2625.8	2617.6	2601.1
37.5°	2267.7	2276.0	2251.3	2308.9	2321.3	2284.2	2267.7	2259.5	2317.1	2313.0	2296.6
40°	1938.5	1946.7	1930.3	1971.4	1975.5	1946.7	1934.4	1922.0	1979.7	1975.5	1963.2
42.5°	1588.7	1592.8	1572.2	1605.1	1613.4	1584.5	1580.4	1564.0	1617.5	1609.2	1605.1
45°	1226.5	1226.5	1210.0	1234.7	1242.9	1218.2	1210.0	1205.9	1242.9	1242.9	1234.7
47.5°	889.0	876.6	856.1	893.1	897.2	880.8	876.6	864.3	901.3	901.3	893.1
50°	609.1	605.0	600.9	609.1	613.2	592.7	605.0	592.7	613.2	613.2	613.2
52.5°	407.5	403.3	395.1	403.3	403.3	391.0	391.0	386.9	403.3	403.3	395.1
55°	255.2	251.1	246.9	251.1	251.1	238.7	246.9	238.7	246.9	246.9	242.8
57.5°	156.4	148.2	148.2	144.0	144.0	135.8	139.9	139.9	139.9	139.9	139.9
60°	90.5	86.4	82.3	82.3	82.3	78.2	78.2	78.2	78.2	78.2	78.2
62.5°	57.6	57.6	53.5	53.5	53.5	53.5	53.5	49.4	53.5	53.5	53.5
65°	49.4	45.3	45.3	45.3	45.3	41.2	41.2	41.2	41.2	41.2	41.2
67.5°	41.2	37.0	37.0	37.0	37.0	32.9	32.9	32.9	32.9	32.9	32.9
70°	32.9	28.8	28.8	28.8	28.8	28.8	24.7	28.8	28.8	24.7	24.7
72.5°	24.7	24.7	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
75°	16.5	16.5	16.5	16.5	16.5	12.3	12.3	12.3	12.3	12.3	12.3
77.5°	12.3	12.3	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	8.2	8.2	8.2	8.2	8.2	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	4.1	4.1	4.1	4.1	4.1	0.0	4.1	0.0	4.1	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: P212851

CATALOG NUMBER: LD6B60D010TE EU6B60708040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4
2.5°	3621.8	3580.7	3560.1	3601.2	3617.7	3597.1	3580.7	3551.8	3580.7	3597.1	3617.7
5°	3671.2	3634.2	3617.7	3646.5	3671.2	3650.6	3638.3	3609.5	3638.3	3650.6	3671.2
7.5°	3716.5	3679.4	3658.9	3687.7	3716.5	3687.7	3675.3	3650.6	3675.3	3687.7	3716.5
10°	3732.9	3691.8	3675.3	3700.0	3728.8	3700.0	3683.6	3667.1	3683.6	3700.0	3728.8
12.5°	3761.7	3720.6	3700.0	3720.6	3749.4	3720.6	3704.1	3691.8	3704.1	3720.6	3749.4
15°	3802.9	3765.9	3741.2	3761.7	3798.8	3765.9	3745.3	3741.2	3745.3	3765.9	3798.8
17.5°	3802.9	3774.1	3749.4	3765.9	3802.9	3778.2	3749.4	3757.6	3749.4	3778.2	3802.9
20°	3749.4	3720.6	3700.0	3700.0	3753.5	3720.6	3695.9	3708.2	3695.9	3720.6	3753.5
22.5°	3654.7	3630.0	3609.5	3605.4	3658.9	3630.0	3597.1	3621.8	3597.1	3630.0	3658.9
25°	3531.3	3506.6	3490.1	3481.9	3535.4	3502.5	3473.6	3498.3	3473.6	3502.5	3535.4
27.5°	3370.8	3350.2	3333.7	3321.4	3370.8	3341.9	3313.1	3337.8	3313.1	3341.9	3370.8
30°	3165.0	3152.6	3136.2	3119.7	3169.1	3140.3	3111.5	3144.4	3111.5	3140.3	3169.1
32.5°	2926.3	2918.0	2897.5	2881.0	2930.4	2897.5	2876.9	2901.6	2876.9	2897.5	2930.4
35°	2650.5	2638.2	2625.8	2597.0	2650.5	2621.7	2621.7	2629.9	2621.7	2621.7	2650.5
37.5°	2341.8	2333.6	2317.1	2292.4	2337.7	2317.1	2308.9	2333.6	2308.9	2317.1	2337.7
40°	1996.1	1992.0	1979.7	1950.8	2000.2	1979.7	1967.3	2000.2	1967.3	1979.7	2000.2
42.5°	1633.9	1625.7	1613.4	1609.2	1633.9	1617.5	1629.8	1629.8	1629.8	1617.5	1633.9
45°	1259.4	1251.2	1242.9	1226.5	1255.3	1247.1	1242.9	1251.2	1242.9	1247.1	1255.3
47.5°	913.7	905.5	897.2	884.9	913.7	901.3	901.3	909.6	901.3	901.3	913.7
50°	613.2	617.4	613.2	605.0	613.2	609.1	613.2	621.5	613.2	609.1	613.2
52.5°	407.5	407.5	399.2	395.1	403.3	399.2	411.6	403.3	411.6	399.2	403.3
55°	246.9	251.1	246.9	242.8	246.9	242.8	255.2	251.1	255.2	242.8	246.9
57.5°	139.9	139.9	144.0	139.9	148.2	144.0	144.0	144.0	144.0	144.0	148.2
60°	78.2	78.2	78.2	78.2	78.2	78.2	82.3	78.2	82.3	78.2	78.2
62.5°	53.5	53.5	53.5	49.4	53.5	49.4	53.5	53.5	53.5	49.4	53.5
65°	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
67.5°	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9
70°	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
72.5°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
75°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	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: P212851

CATALOG NUMBER: LD6B60D010TE EU6B60708040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4
2.5°	3601.2	3560.1	3580.7	3621.8	3564.2	3613.6	3584.8	3535.4	3535.4	3572.4	3580.7
5°	3646.5	3617.7	3634.2	3671.2	3613.6	3663.0	3630.0	3580.7	3576.5	3613.6	3625.9
7.5°	3687.7	3658.9	3679.4	3716.5	3654.7	3704.1	3675.3	3621.8	3613.6	3650.6	3663.0
10°	3700.0	3675.3	3691.8	3732.9	3671.2	3716.5	3695.9	3638.3	3634.2	3663.0	3679.4
12.5°	3720.6	3700.0	3720.6	3761.7	3700.0	3745.3	3724.7	3667.1	3658.9	3695.9	3708.2
15°	3761.7	3741.2	3765.9	3802.9	3745.3	3782.3	3761.7	3704.1	3700.0	3728.8	3745.3
17.5°	3765.9	3749.4	3774.1	3802.9	3745.3	3782.3	3765.9	3704.1	3700.0	3732.9	3745.3
20°	3700.0	3700.0	3720.6	3749.4	3687.7	3724.7	3708.2	3646.5	3646.5	3675.3	3687.7
22.5°	3605.4	3609.5	3630.0	3654.7	3593.0	3630.0	3613.6	3551.8	3556.0	3580.7	3597.1
25°	3481.9	3490.1	3506.6	3531.3	3473.6	3506.6	3481.9	3432.5	3428.4	3457.2	3477.8
27.5°	3321.4	3333.7	3350.2	3370.8	3317.3	3341.9	3325.5	3276.1	3272.0	3300.8	3321.4
30°	3119.7	3136.2	3152.6	3165.0	3115.6	3140.3	3119.7	3074.4	3074.4	3099.1	3111.5
32.5°	2881.0	2897.5	2918.0	2926.3	2876.9	2905.7	2889.2	2839.8	2839.8	2864.5	2889.2
35°	2597.0	2625.8	2638.2	2650.5	2601.1	2617.6	2625.8	2560.0	2568.2	2588.8	2621.7
37.5°	2292.4	2317.1	2333.6	2341.8	2296.6	2313.0	2317.1	2259.5	2267.7	2284.2	2321.3
40°	1950.8	1979.7	1992.0	1996.1	1963.2	1975.5	1979.7	1922.0	1934.4	1946.7	1975.5
42.5°	1609.2	1613.4	1625.7	1633.9	1605.1	1609.2	1617.5	1564.0	1580.4	1584.5	1613.4
45°	1226.5	1242.9	1251.2	1259.4	1234.7	1242.9	1242.9	1205.9	1210.0	1218.2	1242.9
47.5°	884.9	897.2	905.5	913.7	893.1	901.3	901.3	864.3	876.6	880.8	897.2
50°	605.0	613.2	617.4	613.2	613.2	613.2	613.2	592.7	605.0	592.7	613.2
52.5°	395.1	399.2	407.5	407.5	395.1	403.3	403.3	386.9	391.0	391.0	403.3
55°	242.8	246.9	251.1	246.9	242.8	246.9	246.9	238.7	246.9	238.7	251.1
57.5°	139.9	144.0	139.9	139.9	139.9	139.9	139.9	139.9	139.9	135.8	144.0
60°	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	82.3
62.5°	49.4	53.5	53.5	53.5	53.5	53.5	53.5	49.4	53.5	53.5	53.5
65°	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	45.3
67.5°	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	32.9	37.0
70°	24.7	24.7	24.7	24.7	24.7	24.7	28.8	28.8	24.7	28.8	28.8
72.5°	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6	20.6
75°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	16.5
77.5°	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	0.0	4.1	0.0	4.1
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: P212851

CATALOG NUMBER: LD6B60D010TE EU6B60708040 6LBSWL11

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4
2.5°	3576.5	3543.6	3543.6	3506.6	3539.5	3543.6	3502.5	3490.1	3535.4	3486.0	3510.7
5°	3609.5	3576.5	3576.5	3539.5	3564.2	3564.2	3523.0	3502.5	3547.7	3498.3	3518.9
7.5°	3650.6	3613.6	3605.4	3568.3	3588.9	3593.0	3543.6	3514.8	3560.1	3502.5	3523.0
10°	3663.0	3621.8	3617.7	3580.7	3597.1	3601.2	3543.6	3518.9	3556.0	3494.2	3506.6
12.5°	3691.8	3646.5	3646.5	3609.5	3621.8	3621.8	3564.2	3531.3	3564.2	3502.5	3510.7
15°	3724.7	3675.3	3675.3	3638.3	3646.5	3650.6	3580.7	3547.7	3576.5	3510.7	3518.9
17.5°	3724.7	3671.2	3671.2	3638.3	3642.4	3638.3	3572.4	3535.4	3556.0	3486.0	3490.1
20°	3667.1	3613.6	3621.8	3584.8	3588.9	3584.8	3514.8	3477.8	3498.3	3424.3	3432.5
22.5°	3572.4	3523.0	3531.3	3498.3	3498.3	3494.2	3428.4	3391.3	3411.9	3337.8	3341.9
25°	3453.1	3403.7	3411.9	3379.0	3383.1	3383.1	3317.3	3276.1	3296.7	3230.8	3230.8
27.5°	3296.7	3247.3	3259.6	3239.1	3226.7	3230.8	3173.2	3132.0	3152.6	3090.9	3090.9
30°	3095.0	3053.8	3066.2	3049.7	3037.4	3037.4	2988.0	2946.8	2967.4	2913.9	2909.8
32.5°	2856.3	2823.4	2835.7	2823.4	2811.0	2823.4	2769.9	2728.7	2749.3	2708.1	2712.2
35°	2597.0	2564.1	2572.3	2560.0	2551.7	2560.0	2506.5	2477.7	2498.2	2457.1	2473.5
37.5°	2308.9	2251.3	2276.0	2267.7	2259.5	2263.6	2214.2	2193.7	2218.4	2193.7	2206.0
40°	1971.4	1930.3	1946.7	1938.5	1930.3	1950.8	1913.8	1885.0	1905.6	1889.1	1913.8
42.5°	1605.1	1572.2	1592.8	1588.7	1576.3	1601.0	1572.2	1551.6	1584.5	1576.3	1596.9
45°	1234.7	1210.0	1226.5	1226.5	1222.4	1242.9	1214.1	1218.2	1251.2	1263.5	1288.2
47.5°	893.1	856.1	876.6	889.0	889.0	909.6	893.1	909.6	946.6	971.3	991.9
50°	609.1	600.9	605.0	609.1	617.4	633.8	629.7	654.4	679.1	720.2	744.9
52.5°	403.3	395.1	403.3	407.5	415.7	432.1	432.1	461.0	489.8	526.8	555.6
55°	251.1	246.9	251.1	255.2	263.4	279.9	284.0	312.8	341.6	378.6	403.3
57.5°	144.0	148.2	148.2	156.4	160.5	172.9	185.2	201.7	234.6	271.6	296.3
60°	82.3	82.3	86.4	90.5	94.7	107.0	115.2	131.7	156.4	193.4	209.9
62.5°	53.5	53.5	57.6	57.6	61.7	70.0	78.2	94.7	115.2	144.0	160.5
65°	45.3	45.3	45.3	49.4	49.4	57.6	65.9	78.2	94.7	115.2	131.7
67.5°	37.0	37.0	37.0	41.2	41.2	45.3	53.5	61.7	74.1	90.5	102.9
70°	28.8	28.8	28.8	32.9	32.9	37.0	41.2	45.3	57.6	70.0	78.2
72.5°	20.6	20.6	24.7	24.7	24.7	28.8	32.9	37.0	45.3	53.5	57.6
75°	16.5	16.5	16.5	16.5	20.6	20.6	24.7	28.8	32.9	37.0	41.2
77.5°	8.2	8.2	12.3	12.3	12.3	16.5	16.5	20.6	24.7	28.8	28.8
80°	8.2	8.2	8.2	8.2	8.2	12.3	12.3	12.3	16.5	20.6	20.6
82.5°	4.1	4.1	4.1	4.1	4.1	8.2	8.2	8.2	12.3	12.3	12.3
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2	8.2	8.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.1	4.1	4.1	4.1	4.1
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: P212851

CATALOG NUMBER: LD6B60D010TE EU6B60708040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4	3535.4
2.5°	3481.9	3494.2	3494.2	3481.9	3449.0	3477.8	3506.6	3477.8	3514.8	3449.0	3449.0
5°	3481.9	3490.1	3486.0	3469.5	3436.6	3461.3	3481.9	3453.1	3481.9	3420.1	3416.0
7.5°	3490.1	3481.9	3473.6	3453.1	3411.9	3428.4	3449.0	3416.0	3444.8	3379.0	3370.8
10°	3473.6	3461.3	3444.8	3416.0	3370.8	3383.1	3395.5	3366.6	3387.2	3321.4	3317.3
12.5°	3473.6	3453.1	3428.4	3395.5	3346.1	3354.3	3366.6	3329.6	3346.1	3284.3	3276.1
15°	3481.9	3444.8	3416.0	3379.0	3325.5	3329.6	3337.8	3296.7	3313.1	3247.3	3243.2
17.5°	3453.1	3411.9	3383.1	3337.8	3280.2	3284.3	3284.3	3243.2	3255.5	3189.7	3185.6
20°	3391.3	3341.9	3309.0	3267.9	3206.1	3206.1	3206.1	3165.0	3173.2	3115.6	3107.4
22.5°	3304.9	3251.4	3218.5	3177.3	3119.7	3115.6	3111.5	3078.5	3078.5	3025.0	3012.7
25°	3189.7	3140.3	3107.4	3070.3	3012.7	3004.5	3004.5	2975.7	2971.5	2922.1	2913.9
27.5°	3058.0	3000.3	2971.5	2938.6	2885.1	2876.9	2872.8	2856.3	2848.1	2794.6	2790.4
30°	2881.0	2831.6	2806.9	2778.1	2728.7	2720.5	2716.4	2699.9	2695.8	2642.3	2642.3
32.5°	2691.7	2629.9	2613.5	2584.7	2547.6	2543.5	2547.6	2527.0	2510.6	2473.5	2465.3
35°	2465.3	2403.6	2391.2	2378.9	2350.1	2341.8	2337.7	2333.6	2313.0	2288.3	2276.0
37.5°	2201.9	2148.4	2148.4	2144.3	2123.7	2123.7	2123.7	2115.5	2094.9	2086.7	2062.0
40°	1917.9	1876.8	1880.9	1885.0	1876.8	1880.9	1885.0	1876.8	1860.3	1852.1	1831.5
42.5°	1613.4	1592.8	1609.2	1621.6	1621.6	1633.9	1642.2	1642.2	1621.6	1617.5	1601.0
45°	1308.8	1304.7	1337.6	1362.3	1370.5	1391.1	1403.5	1395.2	1395.2	1395.2	1378.8
47.5°	1024.8	1041.3	1070.1	1119.5	1135.9	1160.6	1168.9	1181.2	1177.1	1181.2	1168.9
50°	777.9	814.9	851.9	901.3	926.0	954.8	967.2	983.7	983.7	987.8	979.5
52.5°	588.5	617.4	679.1	712.0	740.8	769.6	786.1	802.6	806.7	806.7	798.4
55°	436.3	477.4	518.6	563.9	588.5	617.4	629.7	646.2	646.2	654.4	646.2
57.5°	316.9	358.1	403.3	436.3	465.1	485.7	498.0	510.3	518.6	518.6	514.5
60°	234.6	267.5	304.6	337.5	362.2	382.8	391.0	403.3	407.5	407.5	399.2
62.5°	177.0	209.9	242.8	271.6	288.1	304.6	312.8	321.0	321.0	321.0	316.9
65°	144.0	168.7	193.4	218.1	234.6	246.9	251.1	259.3	255.2	259.3	255.2
67.5°	115.2	131.7	152.3	168.7	181.1	189.3	193.4	201.7	197.6	201.7	197.6
70°	86.4	102.9	115.2	127.6	135.8	144.0	148.2	152.3	148.2	152.3	148.2
72.5°	65.9	74.1	86.4	98.8	102.9	107.0	111.1	111.1	111.1	115.2	111.1
75°	45.3	53.5	61.7	65.9	74.1	78.2	78.2	82.3	82.3	82.3	82.3
77.5°	32.9	37.0	41.2	45.3	49.4	53.5	53.5	57.6	57.6	57.6	57.6
80°	20.6	24.7	24.7	28.8	32.9	32.9	37.0	37.0	37.0	37.0	37.0
82.5°	12.3	16.5	16.5	20.6	20.6	20.6	24.7	24.7	24.7	24.7	24.7
85°	8.2	8.2	8.2	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	8.2	8.2	4.1	4.1
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: P212851

CATALOG NUMBER: LD6B60D010TE EU6B60708040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	3535.4	3535.4	3535.4	3535.4
2.5°	3481.9	3461.3	3494.2	3444.8
5°	3444.8	3424.3	3465.4	3403.7
7.5°	3399.6	3379.0	3416.0	3354.3
10°	3341.9	3321.4	3354.3	3288.4
12.5°	3292.6	3272.0	3309.0	3247.3
15°	3255.5	3234.9	3267.9	3210.2
17.5°	3197.9	3173.2	3210.2	3148.5
20°	3115.6	3099.1	3127.9	3066.2
22.5°	3020.9	3004.5	3037.4	2975.7
25°	2922.1	2901.6	2934.5	2872.8
27.5°	2794.6	2778.1	2811.0	2749.3
30°	2642.3	2625.8	2658.7	2601.1
32.5°	2469.4	2453.0	2477.7	2428.3
35°	2271.9	2259.5	2284.2	2230.7
37.5°	2057.8	2045.5	2070.2	2016.7
40°	1827.4	1815.0	1835.6	1810.9
42.5°	1601.0	1588.7	1609.2	1588.7
45°	1378.8	1370.5	1391.1	1370.5
47.5°	1173.0	1164.7	1185.3	1164.7
50°	975.4	979.5	987.8	979.5
52.5°	798.4	798.4	810.8	798.4
55°	646.2	650.3	654.4	646.2
57.5°	514.5	514.5	518.6	514.5
60°	399.2	403.3	403.3	399.2
62.5°	316.9	316.9	316.9	316.9
65°	251.1	251.1	255.2	251.1
67.5°	197.6	193.4	197.6	193.4
70°	148.2	148.2	148.2	148.2
72.5°	115.2	115.2	111.1	111.1
75°	82.3	86.4	82.3	82.3
77.5°	57.6	57.6	57.6	57.6
80°	37.0	37.0	37.0	37.0
82.5°	24.7	24.7	24.7	24.7
85°	16.5	12.3	12.3	12.3
87.5°	8.2	4.1	4.1	4.1
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)