

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: P212871

Luminaire Tested: **LD6B70D010TE EU6B60709050 6LBSWLI1**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P212871  
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: LD6B70D010TE 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: 5902.3 lumens  
Efficiency: N/A  
Efficacy: 74.3 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

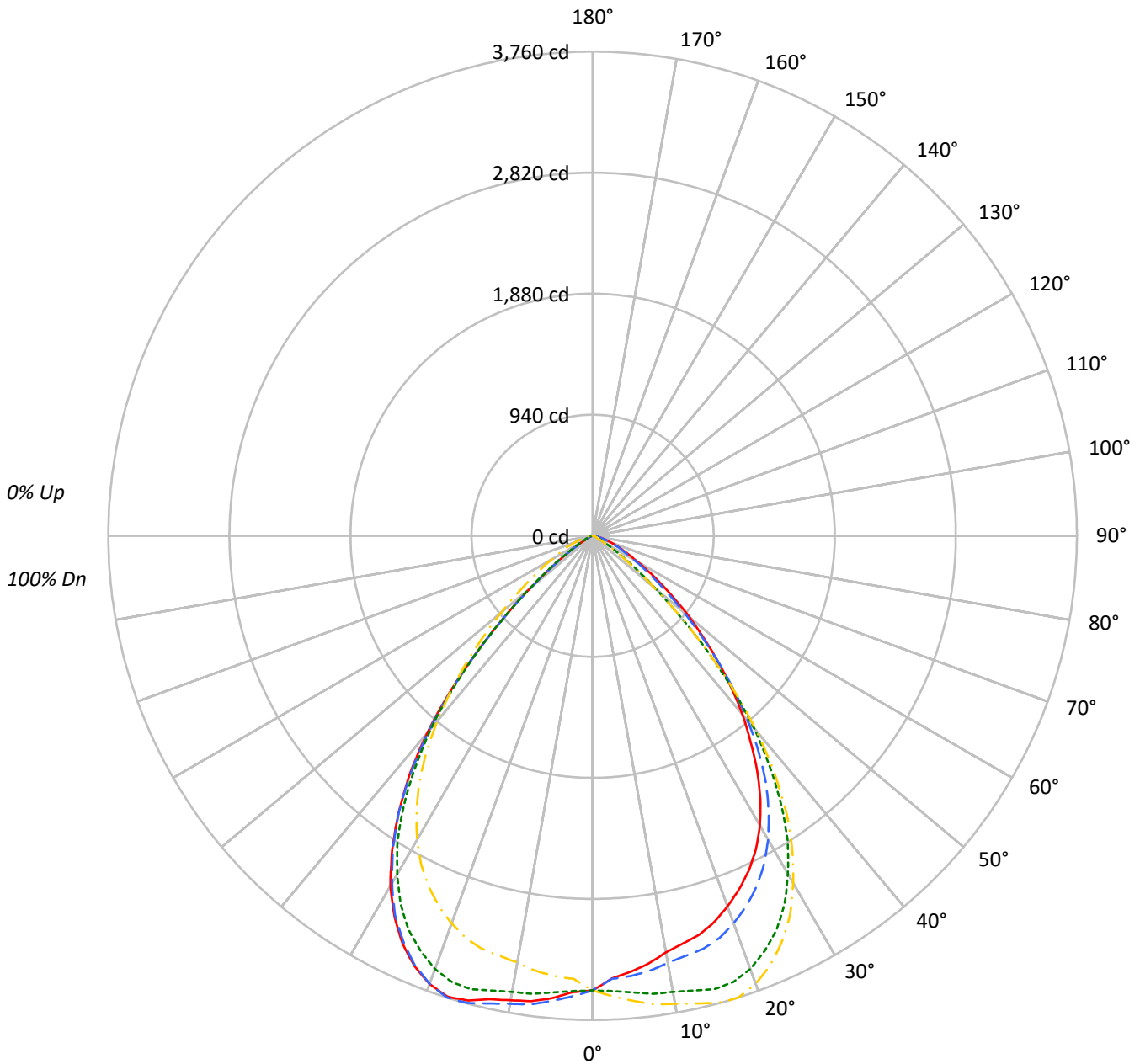
Input Watts (W): 79.45  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					20					
RC	80					70					50					30					10					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100								
1	112	109	106	103	110	107	104	102	103	100	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°	193526	193526	193526	193526
5°	187029	195850	198338	195850
10°	182784	200174	203832	200174
15°	181931	206885	212016	206885
20°	178615	208822	216015	208822
25°	173514	204338	211294	204338
30°	164411	191992	198752	191992
35°	149071	171069	175747	171069
40°	129407	139404	142932	139404
45°	106096	96219	96855	96219
50°	83417	53977	52928	53977
55°	61666	26714	23961	26714
60°	43703	11721	8563	11721
65°	32520	7459	5331	7459
70°	23706	5930	3959	5930
75°	17411	4342	2605	4342
80°	11681	3883	1294	3883
85°	7737	2579	2579	2579



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	338.0	5.7
10°-20°	1000.9	17.0
20°-30°	1493.7	25.3
30°-40°	1534.6	26.0
40°-50°	993.8	16.8
50°-60°	369.5	6.3
60°-70°	121.3	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°	2832.6	48.0
0°-40°	4367.2	74.0
0°-60°	5730.6	97.1
0°-90°	5902.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5902.3	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	3530	3530	3530	3530	3530	
5°	3399	3559	3604	3559	3399	321
15°	3206	3645	3736	3645	3206	902
25°	2869	3378	3493	3378	2869	1315
35°	2228	2556	2626	2556	2228	1383
45°	1368	1241	1249	1241	1368	1058
55°	645	280	251	280	645	588
65°	251	58	41	58	251	255
75°	82	20	12	20	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°	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2
2.5°	3439.8	3489.1	3456.3	3476.8	3443.9	3443.9	3509.7	3472.7	3501.5	3472.7	3443.9
5°	3398.7	3460.4	3419.3	3439.8	3411.0	3415.2	3476.8	3448.0	3476.8	3456.3	3431.6
7.5°	3349.4	3411.0	3374.1	3394.6	3365.8	3374.1	3439.8	3411.0	3443.9	3423.4	3406.9
10°	3283.6	3349.4	3316.5	3337.1	3312.4	3316.5	3382.3	3361.7	3390.5	3378.2	3365.8
12.5°	3242.6	3304.2	3267.2	3287.8	3271.3	3279.5	3341.2	3324.7	3361.7	3349.4	3341.2
15°	3205.6	3263.1	3230.2	3250.8	3238.4	3242.6	3308.3	3291.9	3333.0	3324.7	3320.6
17.5°	3143.9	3205.6	3168.6	3193.2	3180.9	3185.0	3250.8	3238.4	3279.5	3279.5	3275.4
20°	3061.7	3123.4	3094.6	3111.0	3102.8	3111.0	3168.6	3160.4	3201.5	3201.5	3201.5
22.5°	2971.3	3033.0	3000.1	3016.5	3008.3	3020.6	3074.1	3074.1	3106.9	3111.0	3115.2
25°	2868.6	2930.2	2897.3	2917.9	2909.7	2917.9	2967.2	2971.3	3000.1	3000.1	3008.3
27.5°	2745.3	2806.9	2774.0	2790.5	2786.4	2790.5	2843.9	2852.1	2868.6	2872.7	2880.9
30°	2597.3	2654.9	2622.0	2638.4	2638.4	2638.4	2691.9	2696.0	2712.4	2716.5	2724.7
32.5°	2424.7	2474.0	2449.4	2465.8	2461.7	2469.9	2506.9	2523.4	2543.9	2539.8	2543.9
35°	2227.5	2280.9	2256.2	2268.6	2272.7	2285.0	2309.7	2330.2	2334.3	2338.4	2346.6
37.5°	2013.8	2067.2	2042.5	2054.8	2059.0	2083.6	2091.8	2112.4	2120.6	2120.6	2120.6
40°	1808.3	1832.9	1812.4	1824.7	1828.8	1849.4	1857.6	1874.0	1882.2	1878.1	1874.0
42.5°	1586.3	1606.9	1586.3	1598.7	1598.7	1615.1	1619.2	1639.8	1639.8	1631.6	1619.2
45°	1368.5	1389.1	1368.5	1376.7	1376.7	1393.2	1393.2	1393.2	1401.4	1389.1	1368.5
47.5°	1163.0	1183.6	1163.0	1171.3	1167.2	1179.5	1175.4	1179.5	1167.2	1158.9	1134.3
50°	978.1	986.3	978.1	974.0	978.1	986.3	982.2	982.2	965.8	953.4	924.7
52.5°	797.3	809.6	797.3	797.3	797.3	805.5	805.5	801.4	785.0	768.5	739.7
55°	645.2	653.4	649.3	645.2	645.2	653.4	645.2	645.2	628.8	616.5	587.7
57.5°	513.7	517.8	513.7	513.7	513.7	517.8	517.8	509.6	497.3	484.9	464.4
60°	398.6	402.8	402.8	398.6	398.6	406.9	406.9	402.8	390.4	382.2	361.7
62.5°	316.4	316.4	316.4	316.4	316.4	320.6	320.6	320.6	312.3	304.1	287.7
65°	250.7	254.8	250.7	250.7	254.8	258.9	254.8	258.9	250.7	246.6	234.3
67.5°	193.2	197.3	193.2	197.3	197.3	201.4	197.3	201.4	193.2	189.0	180.8
70°	147.9	147.9	147.9	147.9	147.9	152.1	147.9	152.1	147.9	143.8	135.6
72.5°	111.0	111.0	115.1	115.1	111.0	115.1	111.0	111.0	111.0	106.9	102.7
75°	82.2	82.2	86.3	82.2	82.2	82.2	82.2	82.2	78.1	78.1	74.0
77.5°	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	53.4	53.4	49.3
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	20.5	20.5
85°	12.3	12.3	12.3	16.4	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°	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2
2.5°	3476.8	3489.1	3489.1	3476.8	3505.6	3480.9	3530.2	3485.0	3497.4	3538.4	3534.3
5°	3464.5	3480.9	3485.0	3476.8	3513.8	3493.2	3542.6	3497.4	3517.9	3559.0	3559.0
7.5°	3448.0	3468.6	3476.8	3485.0	3517.9	3497.4	3554.9	3509.7	3538.4	3587.8	3583.7
10°	3411.0	3439.8	3456.3	3468.6	3501.5	3489.1	3550.8	3513.8	3538.4	3596.0	3591.9
12.5°	3390.5	3423.4	3448.0	3468.6	3505.6	3497.4	3559.0	3526.1	3559.0	3616.5	3616.5
15°	3374.1	3411.0	3439.8	3476.8	3513.8	3505.6	3571.3	3542.6	3575.4	3645.3	3641.2
17.5°	3333.0	3378.2	3406.9	3448.0	3485.0	3480.9	3550.8	3530.2	3567.2	3633.0	3637.1
20°	3263.1	3304.2	3337.1	3386.4	3427.5	3419.3	3493.2	3472.7	3509.7	3579.5	3583.7
22.5°	3172.7	3213.8	3246.7	3300.1	3337.1	3333.0	3406.9	3386.4	3423.4	3489.1	3493.2
25°	3065.8	3102.8	3135.7	3185.0	3226.1	3226.1	3291.9	3271.3	3312.4	3378.2	3378.2
27.5°	2934.3	2967.2	2996.0	3053.5	3086.4	3086.4	3148.0	3127.5	3168.6	3226.1	3222.0
30°	2774.0	2802.8	2827.5	2876.8	2905.6	2909.7	2963.1	2942.5	2983.6	3033.0	3033.0
32.5°	2580.9	2609.7	2626.1	2687.7	2708.3	2704.2	2745.3	2724.7	2765.8	2819.3	2806.9
35°	2375.4	2387.7	2400.1	2461.7	2469.9	2453.5	2494.6	2474.0	2502.8	2556.2	2548.0
37.5°	2141.2	2145.3	2145.3	2198.7	2202.8	2190.5	2215.1	2190.5	2211.0	2260.3	2256.2
40°	1882.2	1878.1	1874.0	1915.1	1911.0	1886.4	1902.8	1882.2	1911.0	1948.0	1927.4
42.5°	1619.2	1606.9	1590.5	1611.0	1594.6	1574.0	1582.2	1549.4	1569.9	1598.7	1574.0
45°	1360.3	1335.7	1302.8	1306.9	1286.3	1261.7	1249.3	1216.5	1212.4	1241.1	1220.6
47.5°	1117.8	1068.5	1039.8	1023.3	990.4	969.9	945.2	908.2	891.8	908.2	887.7
50°	900.0	850.7	813.7	776.7	743.9	719.2	678.1	653.4	628.8	632.9	616.5
52.5°	711.0	678.1	616.5	587.7	554.8	526.0	489.1	460.3	431.5	431.5	415.1
55°	563.0	517.8	476.7	435.6	402.8	378.1	341.1	312.3	283.6	279.5	263.0
57.5°	435.6	402.8	357.5	316.4	295.9	271.2	234.3	201.4	184.9	172.6	160.3
60°	337.0	304.1	267.1	234.3	209.6	193.2	156.2	131.5	115.1	106.9	94.5
62.5°	271.2	242.5	209.6	176.7	160.3	143.8	115.1	94.5	78.1	69.9	61.6
65°	217.8	193.2	168.5	143.8	131.5	115.1	94.5	78.1	65.8	57.5	49.3
67.5°	168.5	152.1	131.5	115.1	102.7	90.4	74.0	61.6	53.4	45.2	41.1
70°	127.4	115.1	102.7	86.3	78.1	69.9	57.5	45.2	41.1	37.0	32.9
72.5°	98.6	86.3	74.0	65.8	57.5	53.4	45.2	37.0	32.9	28.8	24.7
75°	65.8	61.6	53.4	45.2	41.1	37.0	32.9	28.8	24.7	20.5	20.5
77.5°	45.2	41.1	37.0	32.9	28.8	28.8	24.7	20.5	16.4	16.4	12.3
80°	28.8	24.7	24.7	20.5	20.5	20.5	16.4	12.3	12.3	12.3	8.2
82.5°	20.5	16.4	16.4	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°	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2
2.5°	3501.5	3538.4	3538.4	3571.3	3575.4	3567.2	3530.2	3530.2	3579.5	3608.3	3559.0
5°	3534.3	3571.3	3571.3	3604.2	3620.6	3608.3	3571.3	3575.4	3624.8	3657.6	3608.3
7.5°	3563.1	3600.1	3608.3	3645.3	3657.6	3645.3	3608.3	3616.5	3670.0	3698.7	3649.4
10°	3575.4	3612.4	3616.5	3657.6	3674.1	3657.6	3628.9	3633.0	3690.5	3711.1	3665.9
12.5°	3604.2	3641.2	3641.2	3686.4	3702.8	3690.5	3653.5	3661.7	3719.3	3739.8	3694.6
15°	3633.0	3670.0	3670.0	3719.3	3739.8	3723.4	3694.6	3698.7	3756.3	3776.8	3739.8
17.5°	3633.0	3665.9	3665.9	3719.3	3739.8	3727.5	3694.6	3698.7	3760.4	3776.8	3739.8
20°	3579.5	3616.5	3608.3	3661.7	3682.3	3670.0	3641.2	3641.2	3702.8	3719.3	3682.3
22.5°	3493.2	3526.1	3517.9	3567.2	3591.9	3575.4	3550.8	3546.7	3608.3	3624.8	3587.8
25°	3374.1	3406.9	3398.7	3448.0	3472.7	3452.1	3423.4	3427.5	3476.8	3501.5	3468.6
27.5°	3234.3	3254.9	3242.6	3291.9	3316.5	3296.0	3267.2	3271.3	3320.6	3337.1	3312.4
30°	3045.3	3061.7	3049.4	3090.5	3106.9	3094.6	3069.9	3069.9	3115.2	3135.7	3111.0
32.5°	2819.3	2831.6	2819.3	2852.1	2885.0	2860.3	2835.7	2835.7	2885.0	2901.4	2872.7
35°	2556.2	2568.6	2560.3	2593.2	2617.9	2585.0	2564.5	2556.2	2622.0	2613.8	2597.3
37.5°	2264.4	2272.7	2248.0	2305.5	2317.9	2280.9	2264.4	2256.2	2313.8	2309.7	2293.2
40°	1935.7	1943.9	1927.4	1968.5	1972.7	1943.9	1931.6	1919.2	1976.8	1972.7	1960.3
42.5°	1586.3	1590.5	1569.9	1602.8	1611.0	1582.2	1578.1	1561.7	1615.1	1606.9	1602.8
45°	1224.7	1224.7	1208.3	1232.9	1241.1	1216.5	1208.3	1204.1	1241.1	1241.1	1232.9
47.5°	887.7	875.4	854.8	891.8	895.9	879.5	875.4	863.0	900.0	900.0	891.8
50°	608.2	604.1	600.0	608.2	612.3	591.8	604.1	591.8	612.3	612.3	612.3
52.5°	406.9	402.8	394.5	402.8	402.8	390.4	390.4	386.3	402.8	402.8	394.5
55°	254.8	250.7	246.6	250.7	250.7	238.4	246.6	238.4	246.6	246.6	242.5
57.5°	156.2	147.9	147.9	143.8	143.8	135.6	139.7	139.7	139.7	139.7	139.7
60°	90.4	86.3	82.2	82.2	82.2	78.1	78.1	78.1	78.1	78.1	78.1
62.5°	57.5	57.5	53.4	53.4	53.4	53.4	53.4	49.3	53.4	53.4	53.4
65°	49.3	45.2	45.2	45.2	45.2	41.1	41.1	41.1	41.1	41.1	41.1
67.5°	41.1	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	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
75°	16.4	16.4	16.4	16.4	16.4	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: P212871

CATALOG NUMBER: LD6B70D010TE EU6B60709050 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2
2.5°	3616.5	3575.4	3554.9	3596.0	3612.4	3591.9	3575.4	3546.7	3575.4	3591.9	3612.4
5°	3665.9	3628.9	3612.4	3641.2	3665.9	3645.3	3633.0	3604.2	3633.0	3645.3	3665.9
7.5°	3711.1	3674.1	3653.5	3682.3	3711.1	3682.3	3670.0	3645.3	3670.0	3682.3	3711.1
10°	3727.5	3686.4	3670.0	3694.6	3723.4	3694.6	3678.2	3661.7	3678.2	3694.6	3723.4
12.5°	3756.3	3715.2	3694.6	3715.2	3743.9	3715.2	3698.7	3686.4	3698.7	3715.2	3743.9
15°	3797.4	3760.4	3735.7	3756.3	3793.3	3760.4	3739.8	3735.7	3739.8	3760.4	3793.3
17.5°	3797.4	3768.6	3743.9	3760.4	3797.4	3772.7	3743.9	3752.2	3743.9	3772.7	3797.4
20°	3743.9	3715.2	3694.6	3694.6	3748.0	3715.2	3690.5	3702.8	3690.5	3715.2	3748.0
22.5°	3649.4	3624.8	3604.2	3600.1	3653.5	3624.8	3591.9	3616.5	3591.9	3624.8	3653.5
25°	3526.1	3501.5	3485.0	3476.8	3530.2	3497.4	3468.6	3493.2	3468.6	3497.4	3530.2
27.5°	3365.8	3345.3	3328.9	3316.5	3365.8	3337.1	3308.3	3333.0	3308.3	3337.1	3365.8
30°	3160.4	3148.0	3131.6	3115.2	3164.5	3135.7	3106.9	3139.8	3106.9	3135.7	3164.5
32.5°	2922.0	2913.8	2893.2	2876.8	2926.1	2893.2	2872.7	2897.3	2872.7	2893.2	2926.1
35°	2646.6	2634.3	2622.0	2593.2	2646.6	2617.9	2617.9	2626.1	2617.9	2617.9	2646.6
37.5°	2338.4	2330.2	2313.8	2289.1	2334.3	2313.8	2305.5	2330.2	2305.5	2313.8	2334.3
40°	1993.2	1989.1	1976.8	1948.0	1997.3	1976.8	1964.4	1997.3	1964.4	1976.8	1997.3
42.5°	1631.6	1623.3	1611.0	1606.9	1631.6	1615.1	1627.4	1627.4	1627.4	1615.1	1631.6
45°	1257.6	1249.3	1241.1	1224.7	1253.5	1245.2	1241.1	1249.3	1241.1	1245.2	1253.5
47.5°	912.4	904.1	895.9	883.6	912.4	900.0	900.0	908.2	900.0	900.0	912.4
50°	612.3	616.5	612.3	604.1	612.3	608.2	612.3	620.6	612.3	608.2	612.3
52.5°	406.9	406.9	398.6	394.5	402.8	398.6	411.0	402.8	411.0	398.6	402.8
55°	246.6	250.7	246.6	242.5	246.6	242.5	254.8	250.7	254.8	242.5	246.6
57.5°	139.7	139.7	143.8	139.7	147.9	143.8	143.8	143.8	143.8	143.8	147.9
60°	78.1	78.1	78.1	78.1	78.1	78.1	82.2	78.1	82.2	78.1	78.1
62.5°	53.4	53.4	53.4	49.3	53.4	49.3	53.4	53.4	53.4	49.3	53.4
65°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
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°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
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: P212871

CATALOG NUMBER: LD6B70D010TE EU6B60709050 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2
2.5°	3596.0	3554.9	3575.4	3616.5	3559.0	3608.3	3579.5	3530.2	3530.2	3567.2	3575.4
5°	3641.2	3612.4	3628.9	3665.9	3608.3	3657.6	3624.8	3575.4	3571.3	3608.3	3620.6
7.5°	3682.3	3653.5	3674.1	3711.1	3649.4	3698.7	3670.0	3616.5	3608.3	3645.3	3657.6
10°	3694.6	3670.0	3686.4	3727.5	3665.9	3711.1	3690.5	3633.0	3628.9	3657.6	3674.1
12.5°	3715.2	3694.6	3715.2	3756.3	3694.6	3739.8	3719.3	3661.7	3653.5	3690.5	3702.8
15°	3756.3	3735.7	3760.4	3797.4	3739.8	3776.8	3756.3	3698.7	3694.6	3723.4	3739.8
17.5°	3760.4	3743.9	3768.6	3797.4	3739.8	3776.8	3760.4	3698.7	3694.6	3727.5	3739.8
20°	3694.6	3694.6	3715.2	3743.9	3682.3	3719.3	3702.8	3641.2	3641.2	3670.0	3682.3
22.5°	3600.1	3604.2	3624.8	3649.4	3587.8	3624.8	3608.3	3546.7	3550.8	3575.4	3591.9
25°	3476.8	3485.0	3501.5	3526.1	3468.6	3501.5	3476.8	3427.5	3423.4	3452.1	3472.7
27.5°	3316.5	3328.9	3345.3	3365.8	3312.4	3337.1	3320.6	3271.3	3267.2	3296.0	3316.5
30°	3115.2	3131.6	3148.0	3160.4	3111.0	3135.7	3115.2	3069.9	3069.9	3094.6	3106.9
32.5°	2876.8	2893.2	2913.8	2922.0	2872.7	2901.4	2885.0	2835.7	2835.7	2860.3	2885.0
35°	2593.2	2622.0	2634.3	2646.6	2597.3	2613.8	2622.0	2556.2	2564.5	2585.0	2617.9
37.5°	2289.1	2313.8	2330.2	2338.4	2293.2	2309.7	2313.8	2256.2	2264.4	2280.9	2317.9
40°	1948.0	1976.8	1989.1	1993.2	1960.3	1972.7	1976.8	1919.2	1931.6	1943.9	1972.7
42.5°	1606.9	1611.0	1623.3	1631.6	1602.8	1606.9	1615.1	1561.7	1578.1	1582.2	1611.0
45°	1224.7	1241.1	1249.3	1257.6	1232.9	1241.1	1241.1	1204.1	1208.3	1216.5	1241.1
47.5°	883.6	895.9	904.1	912.4	891.8	900.0	900.0	863.0	875.4	879.5	895.9
50°	604.1	612.3	616.5	612.3	612.3	612.3	612.3	591.8	604.1	591.8	612.3
52.5°	394.5	398.6	406.9	406.9	394.5	402.8	402.8	386.3	390.4	390.4	402.8
55°	242.5	246.6	250.7	246.6	242.5	246.6	246.6	238.4	246.6	238.4	250.7
57.5°	139.7	143.8	139.7	139.7	139.7	139.7	139.7	139.7	139.7	135.6	143.8
60°	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	82.2
62.5°	49.3	53.4	53.4	53.4	53.4	53.4	53.4	49.3	53.4	53.4	53.4
65°	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	45.2
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°	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5	20.5
75°	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	12.3	16.4
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: P212871

CATALOG NUMBER: LD6B70D010TE EU6B60709050 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2
2.5°	3571.3	3538.4	3538.4	3501.5	3534.3	3538.4	3497.4	3485.0	3530.2	3480.9	3505.6
5°	3604.2	3571.3	3571.3	3534.3	3559.0	3559.0	3517.9	3497.4	3542.6	3493.2	3513.8
7.5°	3645.3	3608.3	3600.1	3563.1	3583.7	3587.8	3538.4	3509.7	3554.9	3497.4	3517.9
10°	3657.6	3616.5	3612.4	3575.4	3591.9	3596.0	3538.4	3513.8	3550.8	3489.1	3501.5
12.5°	3686.4	3641.2	3641.2	3604.2	3616.5	3616.5	3559.0	3526.1	3559.0	3497.4	3505.6
15°	3719.3	3670.0	3670.0	3633.0	3641.2	3645.3	3575.4	3542.6	3571.3	3505.6	3513.8
17.5°	3719.3	3665.9	3665.9	3633.0	3637.1	3633.0	3567.2	3530.2	3550.8	3480.9	3485.0
20°	3661.7	3608.3	3616.5	3579.5	3583.7	3579.5	3509.7	3472.7	3493.2	3419.3	3427.5
22.5°	3567.2	3517.9	3526.1	3493.2	3493.2	3489.1	3423.4	3386.4	3406.9	3333.0	3337.1
25°	3448.0	3398.7	3406.9	3374.1	3378.2	3378.2	3312.4	3271.3	3291.9	3226.1	3226.1
27.5°	3291.9	3242.6	3254.9	3234.3	3222.0	3226.1	3168.6	3127.5	3148.0	3086.4	3086.4
30°	3090.5	3049.4	3061.7	3045.3	3033.0	3033.0	2983.6	2942.5	2963.1	2909.7	2905.6
32.5°	2852.1	2819.3	2831.6	2819.3	2806.9	2819.3	2765.8	2724.7	2745.3	2704.2	2708.3
35°	2593.2	2560.3	2568.6	2556.2	2548.0	2556.2	2502.8	2474.0	2494.6	2453.5	2469.9
37.5°	2305.5	2248.0	2272.7	2264.4	2256.2	2260.3	2211.0	2190.5	2215.1	2190.5	2202.8
40°	1968.5	1927.4	1943.9	1935.7	1927.4	1948.0	1911.0	1882.2	1902.8	1886.4	1911.0
42.5°	1602.8	1569.9	1590.5	1586.3	1574.0	1598.7	1569.9	1549.4	1582.2	1574.0	1594.6
45°	1232.9	1208.3	1224.7	1224.7	1220.6	1241.1	1212.4	1216.5	1249.3	1261.7	1286.3
47.5°	891.8	854.8	875.4	887.7	887.7	908.2	891.8	908.2	945.2	969.9	990.4
50°	608.2	600.0	604.1	608.2	616.5	632.9	628.8	653.4	678.1	719.2	743.9
52.5°	402.8	394.5	402.8	406.9	415.1	431.5	431.5	460.3	489.1	526.0	554.8
55°	250.7	246.6	250.7	254.8	263.0	279.5	283.6	312.3	341.1	378.1	402.8
57.5°	143.8	147.9	147.9	156.2	160.3	172.6	184.9	201.4	234.3	271.2	295.9
60°	82.2	82.2	86.3	90.4	94.5	106.9	115.1	131.5	156.2	193.2	209.6
62.5°	53.4	53.4	57.5	57.5	61.6	69.9	78.1	94.5	115.1	143.8	160.3
65°	45.2	45.2	45.2	49.3	49.3	57.5	65.8	78.1	94.5	115.1	131.5
67.5°	37.0	37.0	37.0	41.1	41.1	45.2	53.4	61.6	74.0	90.4	102.7
70°	28.8	28.8	28.8	32.9	32.9	37.0	41.1	45.2	57.5	69.9	78.1
72.5°	20.5	20.5	24.7	24.7	24.7	28.8	32.9	37.0	45.2	53.4	57.5
75°	16.4	16.4	16.4	16.4	20.5	20.5	24.7	28.8	32.9	37.0	41.1
77.5°	8.2	8.2	12.3	12.3	12.3	16.4	16.4	20.5	24.7	28.8	28.8
80°	8.2	8.2	8.2	8.2	8.2	12.3	12.3	12.3	16.4	20.5	20.5
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: P212871

CATALOG NUMBER: LD6B70D010TE EU6B60709050 6LBSWLI1

**CANDELA DISTRIBUTION (continued):**

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2	3530.2
2.5°	3476.8	3489.1	3489.1	3476.8	3443.9	3472.7	3501.5	3472.7	3509.7	3443.9	3443.9
5°	3476.8	3485.0	3480.9	3464.5	3431.6	3456.3	3476.8	3448.0	3476.8	3415.2	3411.0
7.5°	3485.0	3476.8	3468.6	3448.0	3406.9	3423.4	3443.9	3411.0	3439.8	3374.1	3365.8
10°	3468.6	3456.3	3439.8	3411.0	3365.8	3378.2	3390.5	3361.7	3382.3	3316.5	3312.4
12.5°	3468.6	3448.0	3423.4	3390.5	3341.2	3349.4	3361.7	3324.7	3341.2	3279.5	3271.3
15°	3476.8	3439.8	3411.0	3374.1	3320.6	3324.7	3333.0	3291.9	3308.3	3242.6	3238.4
17.5°	3448.0	3406.9	3378.2	3333.0	3275.4	3279.5	3279.5	3238.4	3250.8	3185.0	3180.9
20°	3386.4	3337.1	3304.2	3263.1	3201.5	3201.5	3201.5	3160.4	3168.6	3111.0	3102.8
22.5°	3300.1	3246.7	3213.8	3172.7	3115.2	3111.0	3106.9	3074.1	3074.1	3020.6	3008.3
25°	3185.0	3135.7	3102.8	3065.8	3008.3	3000.1	3000.1	2971.3	2967.2	2917.9	2909.7
27.5°	3053.5	2996.0	2967.2	2934.3	2880.9	2872.7	2868.6	2852.1	2843.9	2790.5	2786.4
30°	2876.8	2827.5	2802.8	2774.0	2724.7	2716.5	2712.4	2696.0	2691.9	2638.4	2638.4
32.5°	2687.7	2626.1	2609.7	2580.9	2543.9	2539.8	2543.9	2523.4	2506.9	2469.9	2461.7
35°	2461.7	2400.1	2387.7	2375.4	2346.6	2338.4	2334.3	2330.2	2309.7	2285.0	2272.7
37.5°	2198.7	2145.3	2145.3	2141.2	2120.6	2120.6	2120.6	2112.4	2091.8	2083.6	2059.0
40°	1915.1	1874.0	1878.1	1882.2	1874.0	1878.1	1882.2	1874.0	1857.6	1849.4	1828.8
42.5°	1611.0	1590.5	1606.9	1619.2	1619.2	1631.6	1639.8	1639.8	1619.2	1615.1	1598.7
45°	1306.9	1302.8	1335.7	1360.3	1368.5	1389.1	1401.4	1393.2	1393.2	1393.2	1376.7
47.5°	1023.3	1039.8	1068.5	1117.8	1134.3	1158.9	1167.2	1179.5	1175.4	1179.5	1167.2
50°	776.7	813.7	850.7	900.0	924.7	953.4	965.8	982.2	982.2	986.3	978.1
52.5°	587.7	616.5	678.1	711.0	739.7	768.5	785.0	801.4	805.5	805.5	797.3
55°	435.6	476.7	517.8	563.0	587.7	616.5	628.8	645.2	645.2	653.4	645.2
57.5°	316.4	357.5	402.8	435.6	464.4	484.9	497.3	509.6	517.8	517.8	513.7
60°	234.3	267.1	304.1	337.0	361.7	382.2	390.4	402.8	406.9	406.9	398.6
62.5°	176.7	209.6	242.5	271.2	287.7	304.1	312.3	320.6	320.6	320.6	316.4
65°	143.8	168.5	193.2	217.8	234.3	246.6	250.7	258.9	254.8	258.9	254.8
67.5°	115.1	131.5	152.1	168.5	180.8	189.0	193.2	201.4	197.3	201.4	197.3
70°	86.3	102.7	115.1	127.4	135.6	143.8	147.9	152.1	147.9	152.1	147.9
72.5°	65.8	74.0	86.3	98.6	102.7	106.9	111.0	111.0	111.0	115.1	111.0
75°	45.2	53.4	61.6	65.8	74.0	78.1	78.1	82.2	82.2	82.2	82.2
77.5°	32.9	37.0	41.1	45.2	49.3	53.4	53.4	57.5	57.5	57.5	57.5
80°	20.5	24.7	24.7	28.8	32.9	32.9	37.0	37.0	37.0	37.0	37.0
82.5°	12.3	16.4	16.4	20.5	20.5	20.5	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: P212871

CATALOG NUMBER: LD6B70D010TE EU6B60709050 6LBSWL11

**CANDELA DISTRIBUTION (continued):**

	345°	350°	355°	360°
0°	3530.2	3530.2	3530.2	3530.2
2.5°	3476.8	3456.3	3489.1	3439.8
5°	3439.8	3419.3	3460.4	3398.7
7.5°	3394.6	3374.1	3411.0	3349.4
10°	3337.1	3316.5	3349.4	3283.6
12.5°	3287.8	3267.2	3304.2	3242.6
15°	3250.8	3230.2	3263.1	3205.6
17.5°	3193.2	3168.6	3205.6	3143.9
20°	3111.0	3094.6	3123.4	3061.7
22.5°	3016.5	3000.1	3033.0	2971.3
25°	2917.9	2897.3	2930.2	2868.6
27.5°	2790.5	2774.0	2806.9	2745.3
30°	2638.4	2622.0	2654.9	2597.3
32.5°	2465.8	2449.4	2474.0	2424.7
35°	2268.6	2256.2	2280.9	2227.5
37.5°	2054.8	2042.5	2067.2	2013.8
40°	1824.7	1812.4	1832.9	1808.3
42.5°	1598.7	1586.3	1606.9	1586.3
45°	1376.7	1368.5	1389.1	1368.5
47.5°	1171.3	1163.0	1183.6	1163.0
50°	974.0	978.1	986.3	978.1
52.5°	797.3	797.3	809.6	797.3
55°	645.2	649.3	653.4	645.2
57.5°	513.7	513.7	517.8	513.7
60°	398.6	402.8	402.8	398.6
62.5°	316.4	316.4	316.4	316.4
65°	250.7	250.7	254.8	250.7
67.5°	197.3	193.2	197.3	193.2
70°	147.9	147.9	147.9	147.9
72.5°	115.1	115.1	111.0	111.0
75°	82.2	86.3	82.2	82.2
77.5°	57.5	57.5	57.5	57.5
80°	37.0	37.0	37.0	37.0
82.5°	24.7	24.7	24.7	24.7
85°	16.4	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)