

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: P212865

Luminaire Tested: **LD6B70D010TE EU6B60708050 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212865
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 EU6B60708050 6LBSWL1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 80CRI / 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7011.3 lumens
Efficiency: N/A
Efficacy: 88.2 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

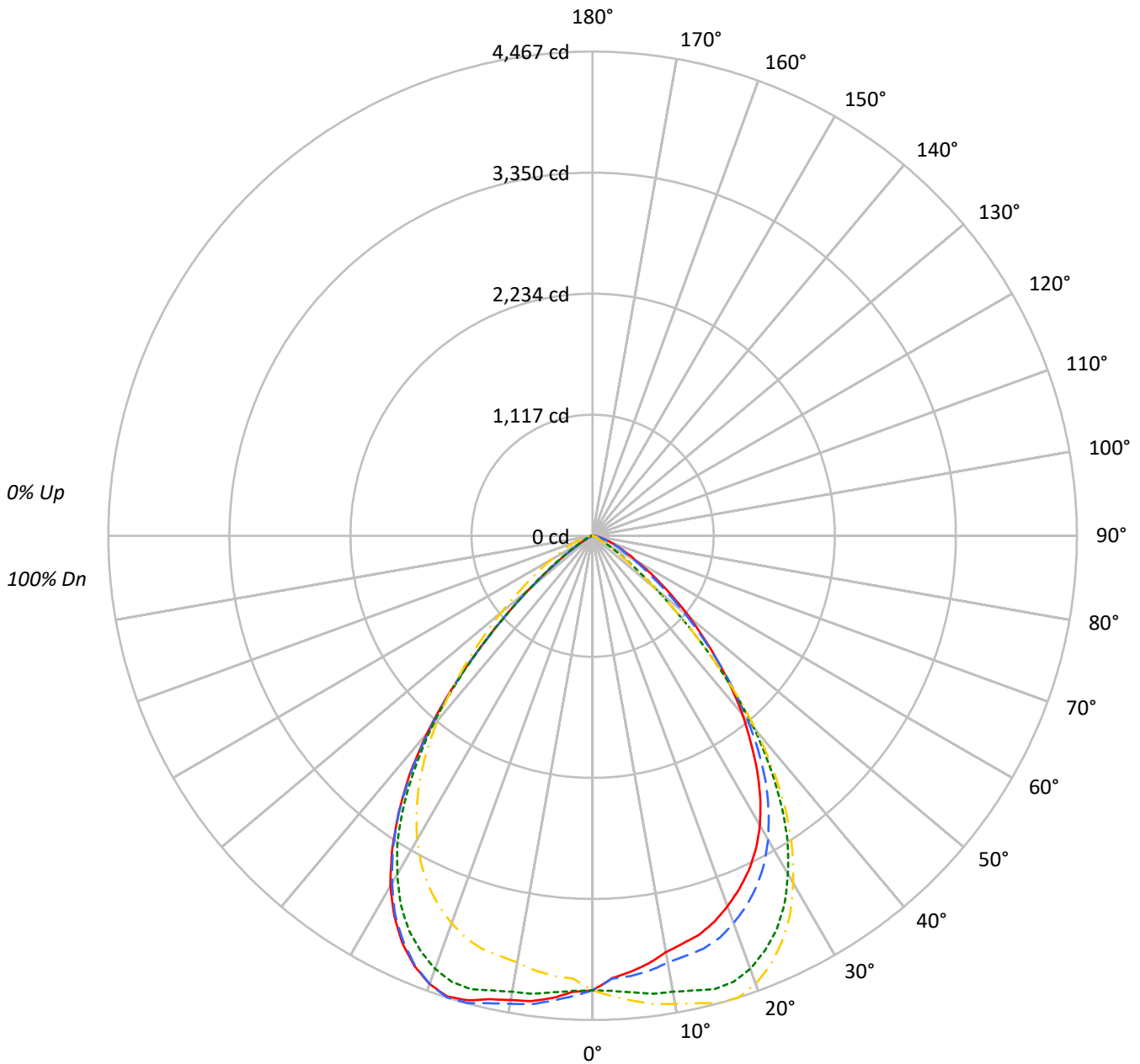
Input Watts (W): 79.45
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	70	79	74	70	77	73	69	75	71	68	66																			
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60																			
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54																			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49																			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45																			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42																			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	229894	229894	229894	229894
5°	222171	232649	235604	232649
10°	217130	237788	242135	237788
15°	216114	245756	251852	245756
20°	212177	248061	256607	248061
25°	206117	242730	250998	242730
30°	195309	228060	236100	228060
35°	177078	203212	208767	203212
40°	153717	165596	169790	165596
45°	126036	114299	115058	114299
50°	99093	64117	62872	64117
55°	73259	31731	28463	31731
60°	51915	13913	10175	13913
65°	38629	8860	6330	8860
70°	28162	7036	4696	7036
75°	20673	5168	3092	5168
80°	13859	4609	1547	4609
85°	9183	3082	3082	3082



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.5	5.7
10°-20°	1189.0	17.0
20°-30°	1774.4	25.3
30°-40°	1823.0	26.0
40°-50°	1180.5	16.8
50°-60°	439.0	6.3
60°-70°	144.0	2.1
70°-80°	50.8	0.7
80°-90°	9.1	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°	3364.8	48.0
0°-40°	5187.8	74.0
0°-60°	6807.3	97.1
0°-90°	7011.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7011.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	4194	4194	4194	4194	4194	
5°	4037	4228	4281	4228	4037	381
15°	3808	4330	4438	4330	3808	1071
25°	3408	4013	4150	4013	3408	1562
35°	2646	3036	3120	3036	2646	1643
45°	1626	1474	1484	1474	1626	1257
55°	766	332	298	332	766	699
65°	298	68	49	68	298	303
75°	98	24	15	24	98	107
85°	15	5	5	5	15	19
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°	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6
2.5°	4086.1	4144.7	4105.7	4130.1	4091.0	4091.0	4169.1	4125.2	4159.4	4125.2	4091.0
5°	4037.3	4110.6	4061.7	4086.1	4052.0	4056.9	4130.1	4095.9	4130.1	4105.7	4076.4
7.5°	3978.7	4052.0	4008.0	4032.4	3998.3	4008.0	4086.1	4052.0	4091.0	4066.6	4047.1
10°	3900.6	3978.7	3939.7	3964.1	3934.8	3939.7	4017.8	3993.4	4027.6	4012.9	3998.3
12.5°	3851.8	3925.0	3881.1	3905.5	3886.0	3895.8	3969.0	3949.5	3993.4	3978.7	3969.0
15°	3807.9	3876.2	3837.2	3861.6	3846.9	3851.8	3929.9	3910.4	3959.2	3949.5	3944.6
17.5°	3734.7	3807.9	3763.9	3793.2	3778.6	3783.5	3861.6	3846.9	3895.8	3895.8	3890.9
20°	3637.0	3710.2	3676.1	3695.6	3685.8	3695.6	3763.9	3754.2	3803.0	3803.0	3803.0
22.5°	3529.6	3602.8	3563.8	3583.3	3573.5	3588.2	3651.7	3651.7	3690.7	3695.6	3700.5
25°	3407.6	3480.8	3441.7	3466.1	3456.4	3466.1	3524.7	3529.6	3563.8	3563.8	3573.5
27.5°	3261.1	3334.3	3295.3	3314.8	3309.9	3314.8	3378.3	3388.0	3407.6	3412.4	3422.2
30°	3085.4	3153.7	3114.7	3134.2	3134.2	3134.2	3197.6	3202.5	3222.1	3226.9	3236.7
32.5°	2880.3	2938.9	2909.6	2929.1	2924.3	2934.0	2978.0	2997.5	3021.9	3017.0	3021.9
35°	2646.0	2709.5	2680.2	2694.8	2699.7	2714.3	2743.6	2768.0	2772.9	2777.8	2787.6
37.5°	2392.1	2455.6	2426.3	2440.9	2445.8	2475.1	2484.9	2509.3	2519.1	2519.1	2519.1
40°	2148.0	2177.3	2152.9	2167.6	2172.4	2196.9	2206.6	2226.1	2235.9	2231.0	2226.1
42.5°	1884.4	1908.8	1884.4	1899.1	1899.1	1918.6	1923.5	1947.9	1947.9	1938.1	1923.5
45°	1625.7	1650.1	1625.7	1635.4	1635.4	1655.0	1655.0	1655.0	1664.7	1650.1	1625.7
47.5°	1381.6	1406.0	1381.6	1391.3	1386.5	1401.1	1396.2	1401.1	1386.5	1376.7	1347.4
50°	1161.9	1171.7	1161.9	1157.0	1161.9	1171.7	1166.8	1166.8	1147.2	1132.6	1098.4
52.5°	947.1	961.7	947.1	947.1	947.1	956.9	956.9	952.0	932.4	912.9	878.7
55°	766.5	776.2	771.3	766.5	766.5	776.2	766.5	766.5	746.9	732.3	698.1
57.5°	610.2	615.1	610.2	610.2	610.2	615.1	615.1	605.4	590.7	576.1	551.7
60°	473.5	478.4	478.4	473.5	473.5	483.3	483.3	478.4	463.8	454.0	429.6
62.5°	375.9	375.9	375.9	375.9	375.9	380.8	380.8	380.8	371.0	361.3	341.7
65°	297.8	302.7	297.8	297.8	302.7	307.6	302.7	307.6	297.8	292.9	278.3
67.5°	229.4	234.3	229.4	234.3	234.3	239.2	234.3	239.2	229.4	224.6	214.8
70°	175.7	175.7	175.7	175.7	175.7	180.6	175.7	180.6	175.7	170.9	161.1
72.5°	131.8	131.8	136.7	136.7	131.8	136.7	131.8	131.8	131.8	126.9	122.0
75°	97.6	97.6	102.5	97.6	97.6	97.6	97.6	97.6	92.8	92.8	87.9
77.5°	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	63.5	63.5	58.6
80°	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	39.1	39.1
82.5°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	24.4	24.4
85°	14.6	14.6	14.6	19.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6
87.5°	4.9	4.9	4.9	9.8	4.9	4.9	9.8	9.8	4.9	4.9	4.9
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°	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6
2.5°	4130.1	4144.7	4144.7	4130.1	4164.3	4135.0	4193.6	4139.8	4154.5	4203.3	4198.4
5°	4115.4	4135.0	4139.8	4130.1	4174.0	4149.6	4208.2	4154.5	4178.9	4227.7	4227.7
7.5°	4095.9	4120.3	4130.1	4139.8	4178.9	4154.5	4222.8	4169.1	4203.3	4261.9	4257.0
10°	4052.0	4086.1	4105.7	4120.3	4159.4	4144.7	4218.0	4174.0	4203.3	4271.7	4266.8
12.5°	4027.6	4066.6	4095.9	4120.3	4164.3	4154.5	4227.7	4188.7	4227.7	4296.1	4296.1
15°	4008.0	4052.0	4086.1	4130.1	4174.0	4164.3	4242.4	4208.2	4247.3	4330.2	4325.4
17.5°	3959.2	4012.9	4047.1	4095.9	4139.8	4135.0	4218.0	4193.6	4237.5	4315.6	4320.5
20°	3876.2	3925.0	3964.1	4022.7	4071.5	4061.7	4149.6	4125.2	4169.1	4252.1	4257.0
22.5°	3768.8	3817.6	3856.7	3920.2	3964.1	3959.2	4047.1	4022.7	4066.6	4144.7	4149.6
25°	3641.9	3685.8	3724.9	3783.5	3832.3	3832.3	3910.4	3886.0	3934.8	4012.9	4012.9
27.5°	3485.7	3524.7	3558.9	3627.3	3666.3	3666.3	3739.5	3715.1	3763.9	3832.3	3827.4
30°	3295.3	3329.5	3358.7	3417.3	3451.5	3456.4	3519.8	3495.4	3544.3	3602.8	3602.8
32.5°	3065.8	3100.0	3119.5	3192.8	3217.2	3212.3	3261.1	3236.7	3285.5	3349.0	3334.3
35°	2821.7	2836.4	2851.0	2924.3	2934.0	2914.5	2963.3	2938.9	2973.1	3036.5	3026.8
37.5°	2543.5	2548.4	2548.4	2611.8	2616.7	2602.1	2631.3	2602.1	2626.5	2685.0	2680.2
40°	2235.9	2231.0	2226.1	2275.0	2270.1	2240.8	2260.3	2235.9	2270.1	2314.0	2289.6
42.5°	1923.5	1908.8	1889.3	1913.7	1894.2	1869.8	1879.5	1840.5	1864.9	1899.1	1869.8
45°	1615.9	1586.6	1547.6	1552.4	1528.0	1498.7	1484.1	1445.0	1440.2	1474.3	1449.9
47.5°	1327.9	1269.3	1235.1	1215.6	1176.5	1152.1	1122.8	1078.9	1059.4	1078.9	1054.5
50°	1069.1	1010.6	966.6	922.7	883.6	854.3	805.5	776.2	746.9	751.8	732.3
52.5°	844.6	805.5	732.3	698.1	659.1	624.9	580.9	546.8	512.6	512.6	493.1
55°	668.8	615.1	566.3	517.5	478.4	449.1	405.2	371.0	336.9	332.0	312.4
57.5°	517.5	478.4	424.7	375.9	351.5	322.2	278.3	239.2	219.7	205.0	190.4
60°	400.3	361.3	317.3	278.3	249.0	229.4	185.5	156.2	136.7	126.9	112.3
62.5°	322.2	288.0	249.0	209.9	190.4	170.9	136.7	112.3	92.8	83.0	73.2
65°	258.7	229.4	200.2	170.9	156.2	136.7	112.3	92.8	78.1	68.3	58.6
67.5°	200.2	180.6	156.2	136.7	122.0	107.4	87.9	73.2	63.5	53.7	48.8
70°	151.3	136.7	122.0	102.5	92.8	83.0	68.3	53.7	48.8	43.9	39.1
72.5°	117.2	102.5	87.9	78.1	68.3	63.5	53.7	43.9	39.1	34.2	29.3
75°	78.1	73.2	63.5	53.7	48.8	43.9	39.1	34.2	29.3	24.4	24.4
77.5°	53.7	48.8	43.9	39.1	34.2	34.2	29.3	24.4	19.5	19.5	14.6
80°	34.2	29.3	29.3	24.4	24.4	24.4	19.5	14.6	14.6	14.6	9.8
82.5°	24.4	19.5	19.5	14.6	14.6	14.6	14.6	9.8	9.8	9.8	4.9
85°	14.6	9.8	9.8	9.8	9.8	9.8	9.8	4.9	4.9	4.9	4.9
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	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°	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6
2.5°	4159.4	4203.3	4203.3	4242.4	4247.3	4237.5	4193.6	4193.6	4252.1	4286.3	4227.7
5°	4198.4	4242.4	4242.4	4281.4	4301.0	4286.3	4242.4	4247.3	4305.8	4344.9	4286.3
7.5°	4232.6	4276.5	4286.3	4330.2	4344.9	4330.2	4286.3	4296.1	4359.5	4393.7	4335.1
10°	4247.3	4291.2	4296.1	4344.9	4364.4	4344.9	4310.7	4315.6	4383.9	4408.4	4354.7
12.5°	4281.4	4325.4	4325.4	4379.1	4398.6	4383.9	4340.0	4349.8	4418.1	4442.5	4388.8
15°	4315.6	4359.5	4359.5	4418.1	4442.5	4423.0	4388.8	4393.7	4462.1	4486.5	4442.5
17.5°	4315.6	4354.7	4354.7	4418.1	4442.5	4427.9	4388.8	4393.7	4466.9	4486.5	4442.5
20°	4252.1	4296.1	4286.3	4349.8	4374.2	4359.5	4325.4	4325.4	4398.6	4418.1	4374.2
22.5°	4149.6	4188.7	4178.9	4237.5	4266.8	4247.3	4218.0	4213.1	4286.3	4305.8	4261.9
25°	4008.0	4047.1	4037.3	4095.9	4125.2	4100.8	4066.6	4071.5	4130.1	4159.4	4120.3
27.5°	3842.1	3866.5	3851.8	3910.4	3939.7	3915.3	3881.1	3886.0	3944.6	3964.1	3934.8
30°	3617.5	3637.0	3622.4	3671.2	3690.7	3676.1	3646.8	3646.8	3700.5	3724.9	3695.6
32.5°	3349.0	3363.6	3349.0	3388.0	3427.1	3397.8	3368.5	3368.5	3427.1	3446.6	3412.4
35°	3036.5	3051.2	3041.4	3080.5	3109.8	3070.7	3046.3	3036.5	3114.7	3104.9	3085.4
37.5°	2689.9	2699.7	2670.4	2738.7	2753.4	2709.5	2689.9	2680.2	2748.5	2743.6	2724.1
40°	2299.4	2309.1	2289.6	2338.4	2343.3	2309.1	2294.5	2279.8	2348.2	2343.3	2328.7
42.5°	1884.4	1889.3	1864.9	1903.9	1913.7	1879.5	1874.6	1855.1	1918.6	1908.8	1903.9
45°	1454.8	1454.8	1435.3	1464.6	1474.3	1445.0	1435.3	1430.4	1474.3	1474.3	1464.6
47.5°	1054.5	1039.8	1015.4	1059.4	1064.3	1044.7	1039.8	1025.2	1069.1	1069.1	1059.4
50°	722.5	717.6	712.8	722.5	727.4	703.0	717.6	703.0	727.4	727.4	727.4
52.5°	483.3	478.4	468.7	478.4	478.4	463.8	463.8	458.9	478.4	478.4	468.7
55°	302.7	297.8	292.9	297.8	297.8	283.2	292.9	283.2	292.9	292.9	288.0
57.5°	185.5	175.7	175.7	170.9	170.9	161.1	166.0	166.0	166.0	166.0	166.0
60°	107.4	102.5	97.6	97.6	97.6	92.8	92.8	92.8	92.8	92.8	92.8
62.5°	68.3	68.3	63.5	63.5	63.5	63.5	63.5	58.6	63.5	63.5	63.5
65°	58.6	53.7	53.7	53.7	53.7	48.8	48.8	48.8	48.8	48.8	48.8
67.5°	48.8	43.9	43.9	43.9	43.9	39.1	39.1	39.1	39.1	39.1	39.1
70°	39.1	34.2	34.2	34.2	34.2	34.2	29.3	34.2	34.2	29.3	29.3
72.5°	29.3	29.3	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
75°	19.5	19.5	19.5	19.5	19.5	14.6	14.6	14.6	14.6	14.6	14.6
77.5°	14.6	14.6	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
80°	9.8	9.8	9.8	9.8	9.8	4.9	4.9	4.9	4.9	4.9	4.9
82.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
85°	4.9	4.9	4.9	4.9	4.9	0.0	4.9	0.0	4.9	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: P212865

CATALOG NUMBER: LD6B70D010TE EU6B60708050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6
2.5°	4296.1	4247.3	4222.8	4271.7	4291.2	4266.8	4247.3	4213.1	4247.3	4266.8	4291.2
5°	4354.7	4310.7	4291.2	4325.4	4354.7	4330.2	4315.6	4281.4	4315.6	4330.2	4354.7
7.5°	4408.4	4364.4	4340.0	4374.2	4408.4	4374.2	4359.5	4330.2	4359.5	4374.2	4408.4
10°	4427.9	4379.1	4359.5	4388.8	4423.0	4388.8	4369.3	4349.8	4369.3	4388.8	4423.0
12.5°	4462.1	4413.2	4388.8	4413.2	4447.4	4413.2	4393.7	4379.1	4393.7	4413.2	4447.4
15°	4510.9	4466.9	4437.6	4462.1	4506.0	4466.9	4442.5	4437.6	4442.5	4466.9	4506.0
17.5°	4510.9	4476.7	4447.4	4466.9	4510.9	4481.6	4447.4	4457.2	4447.4	4481.6	4510.9
20°	4447.4	4413.2	4388.8	4388.8	4452.3	4413.2	4383.9	4398.6	4383.9	4413.2	4452.3
22.5°	4335.1	4305.8	4281.4	4276.5	4340.0	4305.8	4266.8	4296.1	4266.8	4305.8	4340.0
25°	4188.7	4159.4	4139.8	4130.1	4193.6	4154.5	4120.3	4149.6	4120.3	4154.5	4193.6
27.5°	3998.3	3973.9	3954.3	3939.7	3998.3	3964.1	3929.9	3959.2	3929.9	3964.1	3998.3
30°	3754.2	3739.5	3720.0	3700.5	3759.1	3724.9	3690.7	3729.8	3690.7	3724.9	3759.1
32.5°	3471.0	3461.3	3436.9	3417.3	3475.9	3436.9	3412.4	3441.7	3412.4	3436.9	3475.9
35°	3143.9	3129.3	3114.7	3080.5	3143.9	3109.8	3109.8	3119.5	3109.8	3109.8	3143.9
37.5°	2777.8	2768.0	2748.5	2719.2	2772.9	2748.5	2738.7	2768.0	2738.7	2748.5	2772.9
40°	2367.7	2362.8	2348.2	2314.0	2372.6	2348.2	2333.5	2372.6	2333.5	2348.2	2372.6
42.5°	1938.1	1928.3	1913.7	1908.8	1938.1	1918.6	1933.2	1933.2	1933.2	1918.6	1938.1
45°	1493.9	1484.1	1474.3	1454.8	1489.0	1479.2	1474.3	1484.1	1474.3	1479.2	1489.0
47.5°	1083.8	1074.0	1064.3	1049.6	1083.8	1069.1	1069.1	1078.9	1069.1	1069.1	1083.8
50°	727.4	732.3	727.4	717.6	727.4	722.5	727.4	737.2	727.4	722.5	727.4
52.5°	483.3	483.3	473.5	468.7	478.4	473.5	488.2	478.4	488.2	473.5	478.4
55°	292.9	297.8	292.9	288.0	292.9	288.0	302.7	297.8	302.7	288.0	292.9
57.5°	166.0	166.0	170.9	166.0	175.7	170.9	170.9	170.9	170.9	170.9	175.7
60°	92.8	92.8	92.8	92.8	92.8	92.8	97.6	92.8	97.6	92.8	92.8
62.5°	63.5	63.5	63.5	58.6	63.5	58.6	63.5	63.5	63.5	58.6	63.5
65°	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
67.5°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1
70°	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3	29.3
72.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
75°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
77.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
80°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
82.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.9	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: P212865

CATALOG NUMBER: LD6B70D010TE EU6B60708050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6
2.5°	4271.7	4222.8	4247.3	4296.1	4227.7	4286.3	4252.1	4193.6	4193.6	4237.5	4247.3
5°	4325.4	4291.2	4310.7	4354.7	4286.3	4344.9	4305.8	4247.3	4242.4	4286.3	4301.0
7.5°	4374.2	4340.0	4364.4	4408.4	4335.1	4393.7	4359.5	4296.1	4286.3	4330.2	4344.9
10°	4388.8	4359.5	4379.1	4427.9	4354.7	4408.4	4383.9	4315.6	4310.7	4344.9	4364.4
12.5°	4413.2	4388.8	4413.2	4462.1	4388.8	4442.5	4418.1	4349.8	4340.0	4383.9	4398.6
15°	4462.1	4437.6	4466.9	4510.9	4442.5	4486.5	4462.1	4393.7	4388.8	4423.0	4442.5
17.5°	4466.9	4447.4	4476.7	4510.9	4442.5	4486.5	4466.9	4393.7	4388.8	4427.9	4442.5
20°	4388.8	4388.8	4413.2	4447.4	4374.2	4418.1	4398.6	4325.4	4325.4	4359.5	4374.2
22.5°	4276.5	4281.4	4305.8	4335.1	4261.9	4305.8	4286.3	4213.1	4218.0	4247.3	4266.8
25°	4130.1	4139.8	4159.4	4188.7	4120.3	4159.4	4130.1	4071.5	4066.6	4100.8	4125.2
27.5°	3939.7	3954.3	3973.9	3998.3	3934.8	3964.1	3944.6	3886.0	3881.1	3915.3	3939.7
30°	3700.5	3720.0	3739.5	3754.2	3695.6	3724.9	3700.5	3646.8	3646.8	3676.1	3690.7
32.5°	3417.3	3436.9	3461.3	3471.0	3412.4	3446.6	3427.1	3368.5	3368.5	3397.8	3427.1
35°	3080.5	3114.7	3129.3	3143.9	3085.4	3104.9	3114.7	3036.5	3046.3	3070.7	3109.8
37.5°	2719.2	2748.5	2768.0	2777.8	2724.1	2743.6	2748.5	2680.2	2689.9	2709.5	2753.4
40°	2314.0	2348.2	2362.8	2367.7	2328.7	2343.3	2348.2	2279.8	2294.5	2309.1	2343.3
42.5°	1908.8	1913.7	1928.3	1938.1	1903.9	1908.8	1918.6	1855.1	1874.6	1879.5	1913.7
45°	1454.8	1474.3	1484.1	1493.9	1464.6	1474.3	1474.3	1430.4	1435.3	1445.0	1474.3
47.5°	1049.6	1064.3	1074.0	1083.8	1059.4	1069.1	1069.1	1025.2	1039.8	1044.7	1064.3
50°	717.6	727.4	732.3	727.4	727.4	727.4	727.4	703.0	717.6	703.0	727.4
52.5°	468.7	473.5	483.3	483.3	468.7	478.4	478.4	458.9	463.8	463.8	478.4
55°	288.0	292.9	297.8	292.9	288.0	292.9	292.9	283.2	292.9	283.2	297.8
57.5°	166.0	170.9	166.0	166.0	166.0	166.0	166.0	166.0	166.0	161.1	170.9
60°	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	97.6
62.5°	58.6	63.5	63.5	63.5	63.5	63.5	63.5	58.6	63.5	63.5	63.5
65°	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	53.7
67.5°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	43.9
70°	29.3	29.3	29.3	29.3	29.3	29.3	34.2	34.2	29.3	34.2	34.2
72.5°	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4	24.4
75°	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6	19.5
77.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
80°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	9.8
82.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	0.0	4.9	0.0	4.9
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: P212865

CATALOG NUMBER: LD6B70D010TE EU6B60708050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6
2.5°	4242.4	4203.3	4203.3	4159.4	4198.4	4203.3	4154.5	4139.8	4193.6	4135.0	4164.3
5°	4281.4	4242.4	4242.4	4198.4	4227.7	4227.7	4178.9	4154.5	4208.2	4149.6	4174.0
7.5°	4330.2	4286.3	4276.5	4232.6	4257.0	4261.9	4203.3	4169.1	4222.8	4154.5	4178.9
10°	4344.9	4296.1	4291.2	4247.3	4266.8	4271.7	4203.3	4174.0	4218.0	4144.7	4159.4
12.5°	4379.1	4325.4	4325.4	4281.4	4296.1	4296.1	4227.7	4188.7	4227.7	4154.5	4164.3
15°	4418.1	4359.5	4359.5	4315.6	4325.4	4330.2	4247.3	4208.2	4242.4	4164.3	4174.0
17.5°	4418.1	4354.7	4354.7	4315.6	4320.5	4315.6	4237.5	4193.6	4218.0	4135.0	4139.8
20°	4349.8	4286.3	4296.1	4252.1	4257.0	4252.1	4169.1	4125.2	4149.6	4061.7	4071.5
22.5°	4237.5	4178.9	4188.7	4149.6	4149.6	4144.7	4066.6	4022.7	4047.1	3959.2	3964.1
25°	4095.9	4037.3	4047.1	4008.0	4012.9	4012.9	3934.8	3886.0	3910.4	3832.3	3832.3
27.5°	3910.4	3851.8	3866.5	3842.1	3827.4	3832.3	3763.9	3715.1	3739.5	3666.3	3666.3
30°	3671.2	3622.4	3637.0	3617.5	3602.8	3602.8	3544.3	3495.4	3519.8	3456.4	3451.5
32.5°	3388.0	3349.0	3363.6	3349.0	3334.3	3349.0	3285.5	3236.7	3261.1	3212.3	3217.2
35°	3080.5	3041.4	3051.2	3036.5	3026.8	3036.5	2973.1	2938.9	2963.3	2914.5	2934.0
37.5°	2738.7	2670.4	2699.7	2689.9	2680.2	2685.0	2626.5	2602.1	2631.3	2602.1	2616.7
40°	2338.4	2289.6	2309.1	2299.4	2289.6	2314.0	2270.1	2235.9	2260.3	2240.8	2270.1
42.5°	1903.9	1864.9	1889.3	1884.4	1869.8	1899.1	1864.9	1840.5	1879.5	1869.8	1894.2
45°	1464.6	1435.3	1454.8	1454.8	1449.9	1474.3	1440.2	1445.0	1484.1	1498.7	1528.0
47.5°	1059.4	1015.4	1039.8	1054.5	1054.5	1078.9	1059.4	1078.9	1122.8	1152.1	1176.5
50°	722.5	712.8	717.6	722.5	732.3	751.8	746.9	776.2	805.5	854.3	883.6
52.5°	478.4	468.7	478.4	483.3	493.1	512.6	512.6	546.8	580.9	624.9	659.1
55°	297.8	292.9	297.8	302.7	312.4	332.0	336.9	371.0	405.2	449.1	478.4
57.5°	170.9	175.7	175.7	185.5	190.4	205.0	219.7	239.2	278.3	322.2	351.5
60°	97.6	97.6	102.5	107.4	112.3	126.9	136.7	156.2	185.5	229.4	249.0
62.5°	63.5	63.5	68.3	68.3	73.2	83.0	92.8	112.3	136.7	170.9	190.4
65°	53.7	53.7	53.7	58.6	58.6	68.3	78.1	92.8	112.3	136.7	156.2
67.5°	43.9	43.9	43.9	48.8	48.8	53.7	63.5	73.2	87.9	107.4	122.0
70°	34.2	34.2	34.2	39.1	39.1	43.9	48.8	53.7	68.3	83.0	92.8
72.5°	24.4	24.4	29.3	29.3	29.3	34.2	39.1	43.9	53.7	63.5	68.3
75°	19.5	19.5	19.5	19.5	24.4	24.4	29.3	34.2	39.1	43.9	48.8
77.5°	9.8	9.8	14.6	14.6	14.6	19.5	19.5	24.4	29.3	34.2	34.2
80°	9.8	9.8	9.8	9.8	9.8	14.6	14.6	14.6	19.5	24.4	24.4
82.5°	4.9	4.9	4.9	4.9	4.9	9.8	9.8	9.8	14.6	14.6	14.6
85°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	9.8	9.8	9.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.9	4.9	4.9	4.9	4.9
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: P212865

CATALOG NUMBER: LD6B70D010TE EU6B60708050 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6	4193.6
2.5°	4130.1	4144.7	4144.7	4130.1	4091.0	4125.2	4159.4	4125.2	4169.1	4091.0	4091.0
5°	4130.1	4139.8	4135.0	4115.4	4076.4	4105.7	4130.1	4095.9	4130.1	4056.9	4052.0
7.5°	4139.8	4130.1	4120.3	4095.9	4047.1	4066.6	4091.0	4052.0	4086.1	4008.0	3998.3
10°	4120.3	4105.7	4086.1	4052.0	3998.3	4012.9	4027.6	3993.4	4017.8	3939.7	3934.8
12.5°	4120.3	4095.9	4066.6	4027.6	3969.0	3978.7	3993.4	3949.5	3969.0	3895.8	3886.0
15°	4130.1	4086.1	4052.0	4008.0	3944.6	3949.5	3959.2	3910.4	3929.9	3851.8	3846.9
17.5°	4095.9	4047.1	4012.9	3959.2	3890.9	3895.8	3895.8	3846.9	3861.6	3783.5	3778.6
20°	4022.7	3964.1	3925.0	3876.2	3803.0	3803.0	3803.0	3754.2	3763.9	3695.6	3685.8
22.5°	3920.2	3856.7	3817.6	3768.8	3700.5	3695.6	3690.7	3651.7	3651.7	3588.2	3573.5
25°	3783.5	3724.9	3685.8	3641.9	3573.5	3563.8	3563.8	3529.6	3524.7	3466.1	3456.4
27.5°	3627.3	3558.9	3524.7	3485.7	3422.2	3412.4	3407.6	3388.0	3378.3	3314.8	3309.9
30°	3417.3	3358.7	3329.5	3295.3	3236.7	3226.9	3222.1	3202.5	3197.6	3134.2	3134.2
32.5°	3192.8	3119.5	3100.0	3065.8	3021.9	3017.0	3021.9	2997.5	2978.0	2934.0	2924.3
35°	2924.3	2851.0	2836.4	2821.7	2787.6	2777.8	2772.9	2768.0	2743.6	2714.3	2699.7
37.5°	2611.8	2548.4	2548.4	2543.5	2519.1	2519.1	2519.1	2509.3	2484.9	2475.1	2445.8
40°	2275.0	2226.1	2231.0	2235.9	2226.1	2231.0	2235.9	2226.1	2206.6	2196.9	2172.4
42.5°	1913.7	1889.3	1908.8	1923.5	1923.5	1938.1	1947.9	1947.9	1923.5	1918.6	1899.1
45°	1552.4	1547.6	1586.6	1615.9	1625.7	1650.1	1664.7	1655.0	1655.0	1655.0	1635.4
47.5°	1215.6	1235.1	1269.3	1327.9	1347.4	1376.7	1386.5	1401.1	1396.2	1401.1	1386.5
50°	922.7	966.6	1010.6	1069.1	1098.4	1132.6	1147.2	1166.8	1166.8	1171.7	1161.9
52.5°	698.1	732.3	805.5	844.6	878.7	912.9	932.4	952.0	956.9	956.9	947.1
55°	517.5	566.3	615.1	668.8	698.1	732.3	746.9	766.5	766.5	776.2	766.5
57.5°	375.9	424.7	478.4	517.5	551.7	576.1	590.7	605.4	615.1	615.1	610.2
60°	278.3	317.3	361.3	400.3	429.6	454.0	463.8	478.4	483.3	483.3	473.5
62.5°	209.9	249.0	288.0	322.2	341.7	361.3	371.0	380.8	380.8	380.8	375.9
65°	170.9	200.2	229.4	258.7	278.3	292.9	297.8	307.6	302.7	307.6	302.7
67.5°	136.7	156.2	180.6	200.2	214.8	224.6	229.4	239.2	234.3	239.2	234.3
70°	102.5	122.0	136.7	151.3	161.1	170.9	175.7	180.6	175.7	180.6	175.7
72.5°	78.1	87.9	102.5	117.2	122.0	126.9	131.8	131.8	131.8	136.7	131.8
75°	53.7	63.5	73.2	78.1	87.9	92.8	92.8	97.6	97.6	97.6	97.6
77.5°	39.1	43.9	48.8	53.7	58.6	63.5	63.5	68.3	68.3	68.3	68.3
80°	24.4	29.3	29.3	34.2	39.1	39.1	43.9	43.9	43.9	43.9	43.9
82.5°	14.6	19.5	19.5	24.4	24.4	24.4	29.3	29.3	29.3	29.3	29.3
85°	9.8	9.8	9.8	14.6	14.6	14.6	14.6	14.6	14.6	14.6	14.6
87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	9.8	9.8	4.9	4.9
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: P212865

CATALOG NUMBER: LD6B70D010TE EU6B60708050 6LBSWL11

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	4193.6	4193.6	4193.6	4193.6
2.5°	4130.1	4105.7	4144.7	4086.1
5°	4086.1	4061.7	4110.6	4037.3
7.5°	4032.4	4008.0	4052.0	3978.7
10°	3964.1	3939.7	3978.7	3900.6
12.5°	3905.5	3881.1	3925.0	3851.8
15°	3861.6	3837.2	3876.2	3807.9
17.5°	3793.2	3763.9	3807.9	3734.7
20°	3695.6	3676.1	3710.2	3637.0
22.5°	3583.3	3563.8	3602.8	3529.6
25°	3466.1	3441.7	3480.8	3407.6
27.5°	3314.8	3295.3	3334.3	3261.1
30°	3134.2	3114.7	3153.7	3085.4
32.5°	2929.1	2909.6	2938.9	2880.3
35°	2694.8	2680.2	2709.5	2646.0
37.5°	2440.9	2426.3	2455.6	2392.1
40°	2167.6	2152.9	2177.3	2148.0
42.5°	1899.1	1884.4	1908.8	1884.4
45°	1635.4	1625.7	1650.1	1625.7
47.5°	1391.3	1381.6	1406.0	1381.6
50°	1157.0	1161.9	1171.7	1161.9
52.5°	947.1	947.1	961.7	947.1
55°	766.5	771.3	776.2	766.5
57.5°	610.2	610.2	615.1	610.2
60°	473.5	478.4	478.4	473.5
62.5°	375.9	375.9	375.9	375.9
65°	297.8	297.8	302.7	297.8
67.5°	234.3	229.4	234.3	229.4
70°	175.7	175.7	175.7	175.7
72.5°	136.7	136.7	131.8	131.8
75°	97.6	102.5	97.6	97.6
77.5°	68.3	68.3	68.3	68.3
80°	43.9	43.9	43.9	43.9
82.5°	29.3	29.3	29.3	29.3
85°	19.5	14.6	14.6	14.6
87.5°	9.8	4.9	4.9	4.9
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)