

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: P212775

Luminaire Tested: **LD6B10D010 EU6B10209024 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212775
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: LD6B10D010 EU6B10209024 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 733.7 lumens
Efficiency: N/A
Efficacy: 73.0 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

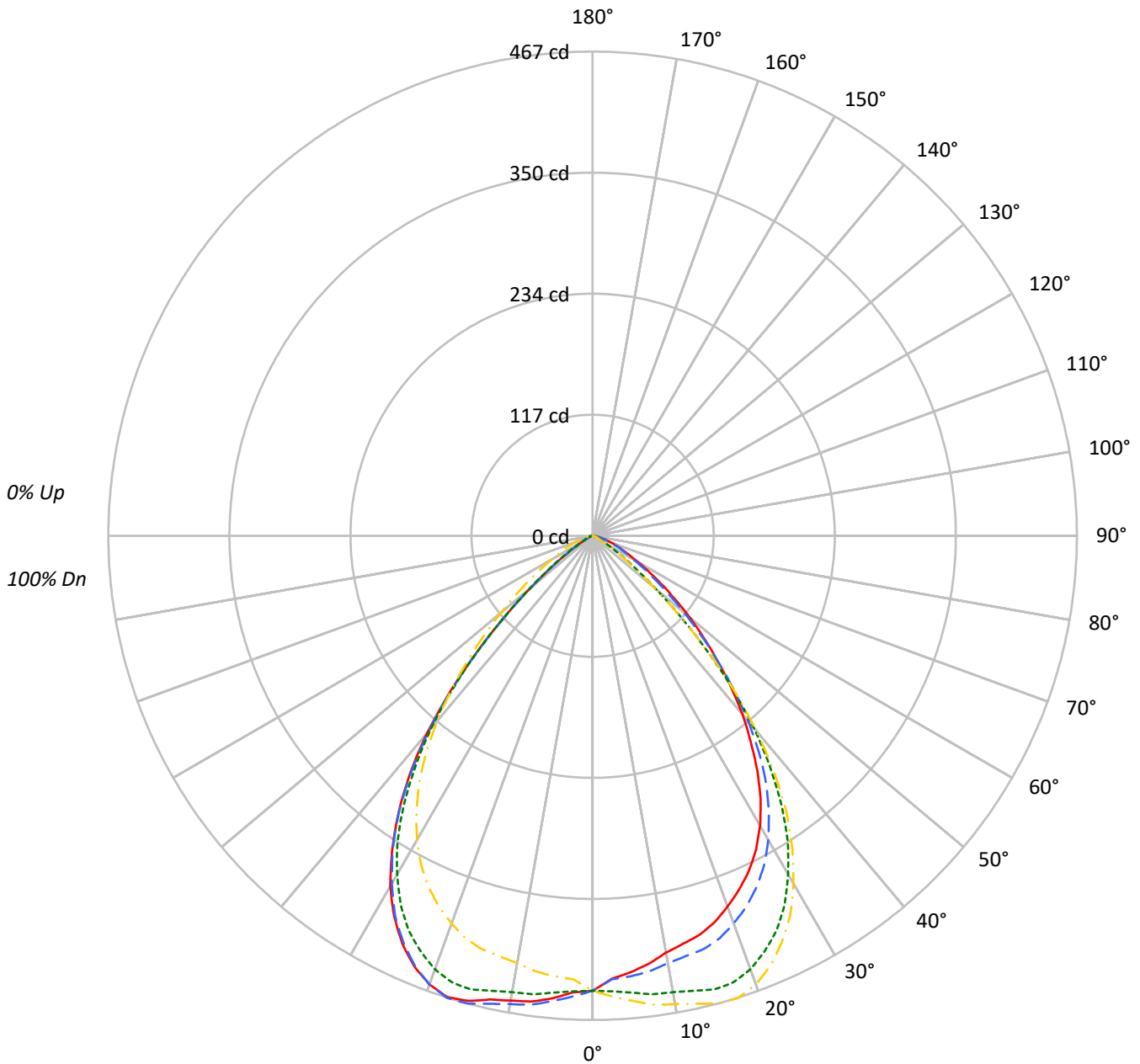
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	99	99	97	96	95	94	93	91																			
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	84	82																			
3	98	91	84	80	96	89	84	79	86	82	78	84	80	76	81	78	75	73																			
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66																			
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60																			
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54																			
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49																			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45																			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42																			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	24055	24055	24055	24055
5°	23250	24345	24653	24345
10°	22723	24883	25339	24883
15°	22616	25715	26357	25715
20°	22204	25955	26853	25955
25°	21570	25399	26264	25399
30°	20434	23864	24706	23864
35°	18531	21261	21844	21261
40°	16087	17325	17769	17325
45°	13187	11962	12040	11962
50°	10371	6712	6575	6712
55°	7665	3316	2982	3316
60°	5438	1458	1064	1458
65°	4047	934	662	934
70°	2949	737	497	737
75°	2160	551	318	551
80°	1452	474	158	474
85°	943	314	314	314



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	5.7
10°-20°	124.4	17.0
20°-30°	185.7	25.3
30°-40°	190.8	26.0
40°-50°	123.5	16.8
50°-60°	45.9	6.3
60°-70°	15.1	2.1
70°-80°	5.3	0.7
80°-90°	0.9	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°	352.1	48.0
0°-40°	542.9	74.0
0°-60°	712.3	97.1
0°-90°	733.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	733.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	439	439	439	439	439	
5°	422	442	448	442	422	40
15°	398	453	464	453	398	112
25°	357	420	434	420	357	163
35°	277	318	326	318	277	172
45°	170	154	155	154	170	132
55°	80	35	31	35	80	73
65°	31	7	5	7	31	32
75°	10	3	2	3	10	11
85°	2	0	0	0	2	2
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°	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8
2.5°	427.6	433.7	429.6	432.2	428.1	428.1	436.3	431.7	435.2	431.7	428.1
5°	422.5	430.1	425.0	427.6	424.0	424.5	432.2	428.6	432.2	429.6	426.5
7.5°	416.3	424.0	419.4	422.0	418.4	419.4	427.6	424.0	428.1	425.5	423.5
10°	408.2	416.3	412.2	414.8	411.7	412.2	420.4	417.9	421.4	419.9	418.4
12.5°	403.1	410.7	406.1	408.7	406.6	407.6	415.3	413.3	417.9	416.3	415.3
15°	398.5	405.6	401.5	404.1	402.5	403.1	411.2	409.2	414.3	413.3	412.8
17.5°	390.8	398.5	393.9	396.9	395.4	395.9	404.1	402.5	407.6	407.6	407.1
20°	380.6	388.2	384.7	386.7	385.7	386.7	393.9	392.8	397.9	397.9	397.9
22.5°	369.3	377.0	372.9	375.0	373.9	375.5	382.1	382.1	386.2	386.7	387.2
25°	356.6	364.2	360.1	362.7	361.7	362.7	368.8	369.3	372.9	372.9	373.9
27.5°	341.2	348.9	344.8	346.9	346.3	346.9	353.5	354.5	356.6	357.1	358.1
30°	322.8	330.0	325.9	328.0	328.0	328.0	334.6	335.1	337.2	337.7	338.7
32.5°	301.4	307.5	304.5	306.5	306.0	307.0	311.6	313.7	316.2	315.7	316.2
35°	276.9	283.5	280.5	282.0	282.5	284.0	287.1	289.6	290.2	290.7	291.7
37.5°	250.3	257.0	253.9	255.4	255.9	259.0	260.0	262.6	263.6	263.6	263.6
40°	224.8	227.8	225.3	226.8	227.3	229.9	230.9	232.9	234.0	233.5	232.9
42.5°	197.2	199.7	197.2	198.7	198.7	200.8	201.3	203.8	203.8	202.8	201.3
45°	170.1	172.7	170.1	171.1	171.1	173.2	173.2	173.2	174.2	172.7	170.1
47.5°	144.6	147.1	144.6	145.6	145.1	146.6	146.1	146.6	145.1	144.1	141.0
50°	121.6	122.6	121.6	121.1	121.6	122.6	122.1	122.1	120.0	118.5	114.9
52.5°	99.1	100.6	99.1	99.1	99.1	100.1	100.1	99.6	97.6	95.5	92.0
55°	80.2	81.2	80.7	80.2	80.2	81.2	80.2	80.2	78.2	76.6	73.0
57.5°	63.9	64.4	63.9	63.9	63.9	64.4	64.4	63.3	61.8	60.3	57.7
60°	49.6	50.1	50.1	49.6	49.6	50.6	50.6	50.1	48.5	47.5	45.0
62.5°	39.3	39.3	39.3	39.3	39.3	39.8	39.8	39.8	38.8	37.8	35.8
65°	31.2	31.7	31.2	31.2	31.7	32.2	31.7	32.2	31.2	30.7	29.1
67.5°	24.0	24.5	24.0	24.5	24.5	25.0	24.5	25.0	24.0	23.5	22.5
70°	18.4	18.4	18.4	18.4	18.4	18.9	18.4	18.9	18.4	17.9	16.9
72.5°	13.8	13.8	14.3	14.3	13.8	14.3	13.8	13.8	13.8	13.3	12.8
75°	10.2	10.2	10.7	10.2	10.2	10.2	10.2	10.2	9.7	9.7	9.2
77.5°	7.2	7.2	7.2	7.2	7.2	7.2	7.2	7.2	6.6	6.6	6.1
80°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.1	4.1
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.6	2.6
85°	1.5	1.5	1.5	2.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5
87.5°	0.5	0.5	0.5	1.0	0.5	0.5	1.0	1.0	0.5	0.5	0.5
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°	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8
2.5°	432.2	433.7	433.7	432.2	435.7	432.7	438.8	433.2	434.7	439.8	439.3
5°	430.6	432.7	433.2	432.2	436.8	434.2	440.3	434.7	437.3	442.4	442.4
7.5°	428.6	431.1	432.2	433.2	437.3	434.7	441.9	436.3	439.8	446.0	445.5
10°	424.0	427.6	429.6	431.1	435.2	433.7	441.4	436.8	439.8	447.0	446.5
12.5°	421.4	425.5	428.6	431.1	435.7	434.7	442.4	438.3	442.4	449.5	449.5
15°	419.4	424.0	427.6	432.2	436.8	435.7	443.9	440.3	444.4	453.1	452.6
17.5°	414.3	419.9	423.5	428.6	433.2	432.7	441.4	438.8	443.4	451.6	452.1
20°	405.6	410.7	414.8	420.9	426.0	425.0	434.2	431.7	436.3	444.9	445.5
22.5°	394.4	399.5	403.6	410.2	414.8	414.3	423.5	420.9	425.5	433.7	434.2
25°	381.1	385.7	389.8	395.9	401.0	401.0	409.2	406.6	411.7	419.9	419.9
27.5°	364.7	368.8	372.4	379.6	383.6	383.6	391.3	388.7	393.9	401.0	400.5
30°	344.8	348.4	351.5	357.6	361.2	361.7	368.3	365.8	370.9	377.0	377.0
32.5°	320.8	324.4	326.4	334.1	336.6	336.1	341.2	338.7	343.8	350.4	348.9
35°	295.3	296.8	298.3	306.0	307.0	305.0	310.1	307.5	311.1	317.7	316.7
37.5°	266.1	266.7	266.7	273.3	273.8	272.3	275.3	272.3	274.8	281.0	280.5
40°	234.0	233.5	232.9	238.1	237.5	234.5	236.5	234.0	237.5	242.1	239.6
42.5°	201.3	199.7	197.7	200.2	198.2	195.7	196.7	192.6	195.1	198.7	195.7
45°	169.1	166.0	161.9	162.4	159.9	156.8	155.3	151.2	150.7	154.3	151.7
47.5°	138.9	132.8	129.2	127.2	123.1	120.6	117.5	112.9	110.9	112.9	110.3
50°	111.9	105.7	101.1	96.5	92.5	89.4	84.3	81.2	78.2	78.7	76.6
52.5°	88.4	84.3	76.6	73.0	69.0	65.4	60.8	57.2	53.6	53.6	51.6
55°	70.0	64.4	59.3	54.1	50.1	47.0	42.4	38.8	35.2	34.7	32.7
57.5°	54.1	50.1	44.4	39.3	36.8	33.7	29.1	25.0	23.0	21.5	19.9
60°	41.9	37.8	33.2	29.1	26.1	24.0	19.4	16.3	14.3	13.3	11.7
62.5°	33.7	30.1	26.1	22.0	19.9	17.9	14.3	11.7	9.7	8.7	7.7
65°	27.1	24.0	20.9	17.9	16.3	14.3	11.7	9.7	8.2	7.2	6.1
67.5°	20.9	18.9	16.3	14.3	12.8	11.2	9.2	7.7	6.6	5.6	5.1
70°	15.8	14.3	12.8	10.7	9.7	8.7	7.2	5.6	5.1	4.6	4.1
72.5°	12.3	10.7	9.2	8.2	7.2	6.6	5.6	4.6	4.1	3.6	3.1
75°	8.2	7.7	6.6	5.6	5.1	4.6	4.1	3.6	3.1	2.6	2.6
77.5°	5.6	5.1	4.6	4.1	3.6	3.6	3.1	2.6	2.0	2.0	1.5
80°	3.6	3.1	3.1	2.6	2.6	2.6	2.0	1.5	1.5	1.5	1.0
82.5°	2.6	2.0	2.0	1.5	1.5	1.5	1.5	1.0	1.0	1.0	0.5
85°	1.5	1.0	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	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°	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8
2.5°	435.2	439.8	439.8	443.9	444.4	443.4	438.8	438.8	444.9	448.5	442.4
5°	439.3	443.9	443.9	448.0	450.0	448.5	443.9	444.4	450.6	454.6	448.5
7.5°	442.9	447.5	448.5	453.1	454.6	453.1	448.5	449.5	456.2	459.8	453.6
10°	444.4	449.0	449.5	454.6	456.7	454.6	451.1	451.6	458.7	461.3	455.7
12.5°	448.0	452.6	452.6	458.2	460.3	458.7	454.1	455.2	462.3	464.9	459.2
15°	451.6	456.2	456.2	462.3	464.9	462.8	459.2	459.8	466.9	469.5	464.9
17.5°	451.6	455.7	455.7	462.3	464.9	463.3	459.2	459.8	467.4	469.5	464.9
20°	444.9	449.5	448.5	455.2	457.7	456.2	452.6	452.6	460.3	462.3	457.7
22.5°	434.2	438.3	437.3	443.4	446.5	444.4	441.4	440.9	448.5	450.6	446.0
25°	419.4	423.5	422.5	428.6	431.7	429.1	425.5	426.0	432.2	435.2	431.1
27.5°	402.0	404.6	403.1	409.2	412.2	409.7	406.1	406.6	412.8	414.8	411.7
30°	378.5	380.6	379.0	384.2	386.2	384.7	381.6	381.6	387.2	389.8	386.7
32.5°	350.4	352.0	350.4	354.5	358.6	355.5	352.5	352.5	358.6	360.7	357.1
35°	317.7	319.3	318.3	322.3	325.4	321.3	318.8	317.7	325.9	324.9	322.8
37.5°	281.5	282.5	279.4	286.6	288.1	283.5	281.5	280.5	287.6	287.1	285.0
40°	240.6	241.6	239.6	244.7	245.2	241.6	240.1	238.6	245.7	245.2	243.7
42.5°	197.2	197.7	195.1	199.2	200.2	196.7	196.2	194.1	200.8	199.7	199.2
45°	152.2	152.2	150.2	153.3	154.3	151.2	150.2	149.7	154.3	154.3	153.3
47.5°	110.3	108.8	106.3	110.9	111.4	109.3	108.8	107.3	111.9	111.9	110.9
50°	75.6	75.1	74.6	75.6	76.1	73.6	75.1	73.6	76.1	76.1	76.1
52.5°	50.6	50.1	49.0	50.1	50.1	48.5	48.5	48.0	50.1	50.1	49.0
55°	31.7	31.2	30.7	31.2	31.2	29.6	30.7	29.6	30.7	30.7	30.1
57.5°	19.4	18.4	18.4	17.9	17.9	16.9	17.4	17.4	17.4	17.4	17.4
60°	11.2	10.7	10.2	10.2	10.2	9.7	9.7	9.7	9.7	9.7	9.7
62.5°	7.2	7.2	6.6	6.6	6.6	6.6	6.6	6.1	6.6	6.6	6.6
65°	6.1	5.6	5.6	5.6	5.6	5.1	5.1	5.1	5.1	5.1	5.1
67.5°	5.1	4.6	4.6	4.6	4.6	4.1	4.1	4.1	4.1	4.1	4.1
70°	4.1	3.6	3.6	3.6	3.6	3.6	3.1	3.6	3.6	3.1	3.1
72.5°	3.1	3.1	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	2.0	2.0	2.0	2.0	2.0	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.0	0.5	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



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CANDELA DISTRIBUTION (continued):

	150°	155°	157.5°	160°	165°	170°	175°	180°	185°	190°	195°
0°	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8
2.5°	449.5	444.4	441.9	447.0	449.0	446.5	444.4	440.9	444.4	446.5	449.0
5°	455.7	451.1	449.0	452.6	455.7	453.1	451.6	448.0	451.6	453.1	455.7
7.5°	461.3	456.7	454.1	457.7	461.3	457.7	456.2	453.1	456.2	457.7	461.3
10°	463.3	458.2	456.2	459.2	462.8	459.2	457.2	455.2	457.2	459.2	462.8
12.5°	466.9	461.8	459.2	461.8	465.4	461.8	459.8	458.2	459.8	461.8	465.4
15°	472.0	467.4	464.4	466.9	471.5	467.4	464.9	464.4	464.9	467.4	471.5
17.5°	472.0	468.4	465.4	467.4	472.0	468.9	465.4	466.4	465.4	468.9	472.0
20°	465.4	461.8	459.2	459.2	465.9	461.8	458.7	460.3	458.7	461.8	465.9
22.5°	453.6	450.6	448.0	447.5	454.1	450.6	446.5	449.5	446.5	450.6	454.1
25°	438.3	435.2	433.2	432.2	438.8	434.7	431.1	434.2	431.1	434.7	438.8
27.5°	418.4	415.8	413.8	412.2	418.4	414.8	411.2	414.3	411.2	414.8	418.4
30°	392.8	391.3	389.3	387.2	393.3	389.8	386.2	390.3	386.2	389.8	393.3
32.5°	363.2	362.2	359.6	357.6	363.7	359.6	357.1	360.1	357.1	359.6	363.7
35°	329.0	327.4	325.9	322.3	329.0	325.4	325.4	326.4	325.4	325.4	329.0
37.5°	290.7	289.6	287.6	284.5	290.2	287.6	286.6	289.6	286.6	287.6	290.2
40°	247.8	247.2	245.7	242.1	248.3	245.7	244.2	248.3	244.2	245.7	248.3
42.5°	202.8	201.8	200.2	199.7	202.8	200.8	202.3	202.3	202.3	200.8	202.8
45°	156.3	155.3	154.3	152.2	155.8	154.8	154.3	155.3	154.3	154.8	155.8
47.5°	113.4	112.4	111.4	109.8	113.4	111.9	111.9	112.9	111.9	111.9	113.4
50°	76.1	76.6	76.1	75.1	76.1	75.6	76.1	77.1	76.1	75.6	76.1
52.5°	50.6	50.6	49.6	49.0	50.1	49.6	51.1	50.1	51.1	49.6	50.1
55°	30.7	31.2	30.7	30.1	30.7	30.1	31.7	31.2	31.7	30.1	30.7
57.5°	17.4	17.4	17.9	17.4	18.4	17.9	17.9	17.9	17.9	17.9	18.4
60°	9.7	9.7	9.7	9.7	9.7	9.7	10.2	9.7	10.2	9.7	9.7
62.5°	6.6	6.6	6.6	6.1	6.6	6.1	6.6	6.6	6.6	6.1	6.6
65°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1
67.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
70°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
72.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	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: P212775

CATALOG NUMBER: LD6B10D010 EU6B10209024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8
2.5°	447.0	441.9	444.4	449.5	442.4	448.5	444.9	438.8	438.8	443.4	444.4
5°	452.6	449.0	451.1	455.7	448.5	454.6	450.6	444.4	443.9	448.5	450.0
7.5°	457.7	454.1	456.7	461.3	453.6	459.8	456.2	449.5	448.5	453.1	454.6
10°	459.2	456.2	458.2	463.3	455.7	461.3	458.7	451.6	451.1	454.6	456.7
12.5°	461.8	459.2	461.8	466.9	459.2	464.9	462.3	455.2	454.1	458.7	460.3
15°	466.9	464.4	467.4	472.0	464.9	469.5	466.9	459.8	459.2	462.8	464.9
17.5°	467.4	465.4	468.4	472.0	464.9	469.5	467.4	459.8	459.2	463.3	464.9
20°	459.2	459.2	461.8	465.4	457.7	462.3	460.3	452.6	452.6	456.2	457.7
22.5°	447.5	448.0	450.6	453.6	446.0	450.6	448.5	440.9	441.4	444.4	446.5
25°	432.2	433.2	435.2	438.3	431.1	435.2	432.2	426.0	425.5	429.1	431.7
27.5°	412.2	413.8	415.8	418.4	411.7	414.8	412.8	406.6	406.1	409.7	412.2
30°	387.2	389.3	391.3	392.8	386.7	389.8	387.2	381.6	381.6	384.7	386.2
32.5°	357.6	359.6	362.2	363.2	357.1	360.7	358.6	352.5	352.5	355.5	358.6
35°	322.3	325.9	327.4	329.0	322.8	324.9	325.9	317.7	318.8	321.3	325.4
37.5°	284.5	287.6	289.6	290.7	285.0	287.1	287.6	280.5	281.5	283.5	288.1
40°	242.1	245.7	247.2	247.8	243.7	245.2	245.7	238.6	240.1	241.6	245.2
42.5°	199.7	200.2	201.8	202.8	199.2	199.7	200.8	194.1	196.2	196.7	200.2
45°	152.2	154.3	155.3	156.3	153.3	154.3	154.3	149.7	150.2	151.2	154.3
47.5°	109.8	111.4	112.4	113.4	110.9	111.9	111.9	107.3	108.8	109.3	111.4
50°	75.1	76.1	76.6	76.1	76.1	76.1	76.1	73.6	75.1	73.6	76.1
52.5°	49.0	49.6	50.6	50.6	49.0	50.1	50.1	48.0	48.5	48.5	50.1
55°	30.1	30.7	31.2	30.7	30.1	30.7	30.7	29.6	30.7	29.6	31.2
57.5°	17.4	17.9	17.4	17.4	17.4	17.4	17.4	17.4	17.4	16.9	17.9
60°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	9.7	10.2
62.5°	6.1	6.6	6.6	6.6	6.6	6.6	6.6	6.1	6.6	6.6	6.6
65°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.6
67.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.6
70°	3.1	3.1	3.1	3.1	3.1	3.1	3.6	3.6	3.1	3.6	3.6
72.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
75°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0
77.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.5	0.0	0.5
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: P212775

CATALOG NUMBER: LD6B10D010 EU6B10209024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8
2.5°	443.9	439.8	439.8	435.2	439.3	439.8	434.7	433.2	438.8	432.7	435.7
5°	448.0	443.9	443.9	439.3	442.4	442.4	437.3	434.7	440.3	434.2	436.8
7.5°	453.1	448.5	447.5	442.9	445.5	446.0	439.8	436.3	441.9	434.7	437.3
10°	454.6	449.5	449.0	444.4	446.5	447.0	439.8	436.8	441.4	433.7	435.2
12.5°	458.2	452.6	452.6	448.0	449.5	449.5	442.4	438.3	442.4	434.7	435.7
15°	462.3	456.2	456.2	451.6	452.6	453.1	444.4	440.3	443.9	435.7	436.8
17.5°	462.3	455.7	455.7	451.6	452.1	451.6	443.4	438.8	441.4	432.7	433.2
20°	455.2	448.5	449.5	444.9	445.5	444.9	436.3	431.7	434.2	425.0	426.0
22.5°	443.4	437.3	438.3	434.2	434.2	433.7	425.5	420.9	423.5	414.3	414.8
25°	428.6	422.5	423.5	419.4	419.9	419.9	411.7	406.6	409.2	401.0	401.0
27.5°	409.2	403.1	404.6	402.0	400.5	401.0	393.9	388.7	391.3	383.6	383.6
30°	384.2	379.0	380.6	378.5	377.0	377.0	370.9	365.8	368.3	361.7	361.2
32.5°	354.5	350.4	352.0	350.4	348.9	350.4	343.8	338.7	341.2	336.1	336.6
35°	322.3	318.3	319.3	317.7	316.7	317.7	311.1	307.5	310.1	305.0	307.0
37.5°	286.6	279.4	282.5	281.5	280.5	281.0	274.8	272.3	275.3	272.3	273.8
40°	244.7	239.6	241.6	240.6	239.6	242.1	237.5	234.0	236.5	234.5	237.5
42.5°	199.2	195.1	197.7	197.2	195.7	198.7	195.1	192.6	196.7	195.7	198.2
45°	153.3	150.2	152.2	152.2	151.7	154.3	150.7	151.2	155.3	156.8	159.9
47.5°	110.9	106.3	108.8	110.3	110.3	112.9	110.9	112.9	117.5	120.6	123.1
50°	75.6	74.6	75.1	75.6	76.6	78.7	78.2	81.2	84.3	89.4	92.5
52.5°	50.1	49.0	50.1	50.6	51.6	53.6	53.6	57.2	60.8	65.4	69.0
55°	31.2	30.7	31.2	31.7	32.7	34.7	35.2	38.8	42.4	47.0	50.1
57.5°	17.9	18.4	18.4	19.4	19.9	21.5	23.0	25.0	29.1	33.7	36.8
60°	10.2	10.2	10.7	11.2	11.7	13.3	14.3	16.3	19.4	24.0	26.1
62.5°	6.6	6.6	7.2	7.2	7.7	8.7	9.7	11.7	14.3	17.9	19.9
65°	5.6	5.6	5.6	6.1	6.1	7.2	8.2	9.7	11.7	14.3	16.3
67.5°	4.6	4.6	4.6	5.1	5.1	5.6	6.6	7.7	9.2	11.2	12.8
70°	3.6	3.6	3.6	4.1	4.1	4.6	5.1	5.6	7.2	8.7	9.7
72.5°	2.6	2.6	3.1	3.1	3.1	3.6	4.1	4.6	5.6	6.6	7.2
75°	2.0	2.0	2.0	2.0	2.6	2.6	3.1	3.6	4.1	4.6	5.1
77.5°	1.0	1.0	1.5	1.5	1.5	2.0	2.0	2.6	3.1	3.6	3.6
80°	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	2.0	2.6	2.6
82.5°	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5
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: P212775

CATALOG NUMBER: LD6B10D010 EU6B10209024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8	438.8
2.5°	432.2	433.7	433.7	432.2	428.1	431.7	435.2	431.7	436.3	428.1	428.1
5°	432.2	433.2	432.7	430.6	426.5	429.6	432.2	428.6	432.2	424.5	424.0
7.5°	433.2	432.2	431.1	428.6	423.5	425.5	428.1	424.0	427.6	419.4	418.4
10°	431.1	429.6	427.6	424.0	418.4	419.9	421.4	417.9	420.4	412.2	411.7
12.5°	431.1	428.6	425.5	421.4	415.3	416.3	417.9	413.3	415.3	407.6	406.6
15°	432.2	427.6	424.0	419.4	412.8	413.3	414.3	409.2	411.2	403.1	402.5
17.5°	428.6	423.5	419.9	414.3	407.1	407.6	407.6	402.5	404.1	395.9	395.4
20°	420.9	414.8	410.7	405.6	397.9	397.9	397.9	392.8	393.9	386.7	385.7
22.5°	410.2	403.6	399.5	394.4	387.2	386.7	386.2	382.1	382.1	375.5	373.9
25°	395.9	389.8	385.7	381.1	373.9	372.9	372.9	369.3	368.8	362.7	361.7
27.5°	379.6	372.4	368.8	364.7	358.1	357.1	356.6	354.5	353.5	346.9	346.3
30°	357.6	351.5	348.4	344.8	338.7	337.7	337.2	335.1	334.6	328.0	328.0
32.5°	334.1	326.4	324.4	320.8	316.2	315.7	316.2	313.7	311.6	307.0	306.0
35°	306.0	298.3	296.8	295.3	291.7	290.7	290.2	289.6	287.1	284.0	282.5
37.5°	273.3	266.7	266.7	266.1	263.6	263.6	263.6	262.6	260.0	259.0	255.9
40°	238.1	232.9	233.5	234.0	232.9	233.5	234.0	232.9	230.9	229.9	227.3
42.5°	200.2	197.7	199.7	201.3	201.3	202.8	203.8	203.8	201.3	200.8	198.7
45°	162.4	161.9	166.0	169.1	170.1	172.7	174.2	173.2	173.2	173.2	171.1
47.5°	127.2	129.2	132.8	138.9	141.0	144.1	145.1	146.6	146.1	146.6	145.1
50°	96.5	101.1	105.7	111.9	114.9	118.5	120.0	122.1	122.1	122.6	121.6
52.5°	73.0	76.6	84.3	88.4	92.0	95.5	97.6	99.6	100.1	100.1	99.1
55°	54.1	59.3	64.4	70.0	73.0	76.6	78.2	80.2	80.2	81.2	80.2
57.5°	39.3	44.4	50.1	54.1	57.7	60.3	61.8	63.3	64.4	64.4	63.9
60°	29.1	33.2	37.8	41.9	45.0	47.5	48.5	50.1	50.6	50.6	49.6
62.5°	22.0	26.1	30.1	33.7	35.8	37.8	38.8	39.8	39.8	39.8	39.3
65°	17.9	20.9	24.0	27.1	29.1	30.7	31.2	32.2	31.7	32.2	31.7
67.5°	14.3	16.3	18.9	20.9	22.5	23.5	24.0	25.0	24.5	25.0	24.5
70°	10.7	12.8	14.3	15.8	16.9	17.9	18.4	18.9	18.4	18.9	18.4
72.5°	8.2	9.2	10.7	12.3	12.8	13.3	13.8	13.8	13.8	14.3	13.8
75°	5.6	6.6	7.7	8.2	9.2	9.7	9.7	10.2	10.2	10.2	10.2
77.5°	4.1	4.6	5.1	5.6	6.1	6.6	6.6	7.2	7.2	7.2	7.2
80°	2.6	3.1	3.1	3.6	4.1	4.1	4.6	4.6	4.6	4.6	4.6
82.5°	1.5	2.0	2.0	2.6	2.6	2.6	3.1	3.1	3.1	3.1	3.1
85°	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
87.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	0.5	0.5
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: P212775

CATALOG NUMBER: LD6B10D010 EU6B10209024 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	438.8	438.8	438.8	438.8
2.5°	432.2	429.6	433.7	427.6
5°	427.6	425.0	430.1	422.5
7.5°	422.0	419.4	424.0	416.3
10°	414.8	412.2	416.3	408.2
12.5°	408.7	406.1	410.7	403.1
15°	404.1	401.5	405.6	398.5
17.5°	396.9	393.9	398.5	390.8
20°	386.7	384.7	388.2	380.6
22.5°	375.0	372.9	377.0	369.3
25°	362.7	360.1	364.2	356.6
27.5°	346.9	344.8	348.9	341.2
30°	328.0	325.9	330.0	322.8
32.5°	306.5	304.5	307.5	301.4
35°	282.0	280.5	283.5	276.9
37.5°	255.4	253.9	257.0	250.3
40°	226.8	225.3	227.8	224.8
42.5°	198.7	197.2	199.7	197.2
45°	171.1	170.1	172.7	170.1
47.5°	145.6	144.6	147.1	144.6
50°	121.1	121.6	122.6	121.6
52.5°	99.1	99.1	100.6	99.1
55°	80.2	80.7	81.2	80.2
57.5°	63.9	63.9	64.4	63.9
60°	49.6	50.1	50.1	49.6
62.5°	39.3	39.3	39.3	39.3
65°	31.2	31.2	31.7	31.2
67.5°	24.5	24.0	24.5	24.0
70°	18.4	18.4	18.4	18.4
72.5°	14.3	14.3	13.8	13.8
75°	10.2	10.7	10.2	10.2
77.5°	7.2	7.2	7.2	7.2
80°	4.6	4.6	4.6	4.6
82.5°	3.1	3.1	3.1	3.1
85°	2.0	1.5	1.5	1.5
87.5°	1.0	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0



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— 0°-180° - - 45°-225° - - - - 90°-270° - · - · 135°-315°





















(END OF REPORT)