

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: P212779

Luminaire Tested: **LD6B10D010 EU6B10209040 6LBSWLI1**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P212779
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 EU6B10209040 6LBSWLI1
Description: PORTFOLIO 6 INCH SINGLE WALLWASH RECESSED DOWNLIGHT, WITH SPECULAR CLEAR TRIM
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 881.1 lumens
Efficiency: N/A
Efficacy: 87.7 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

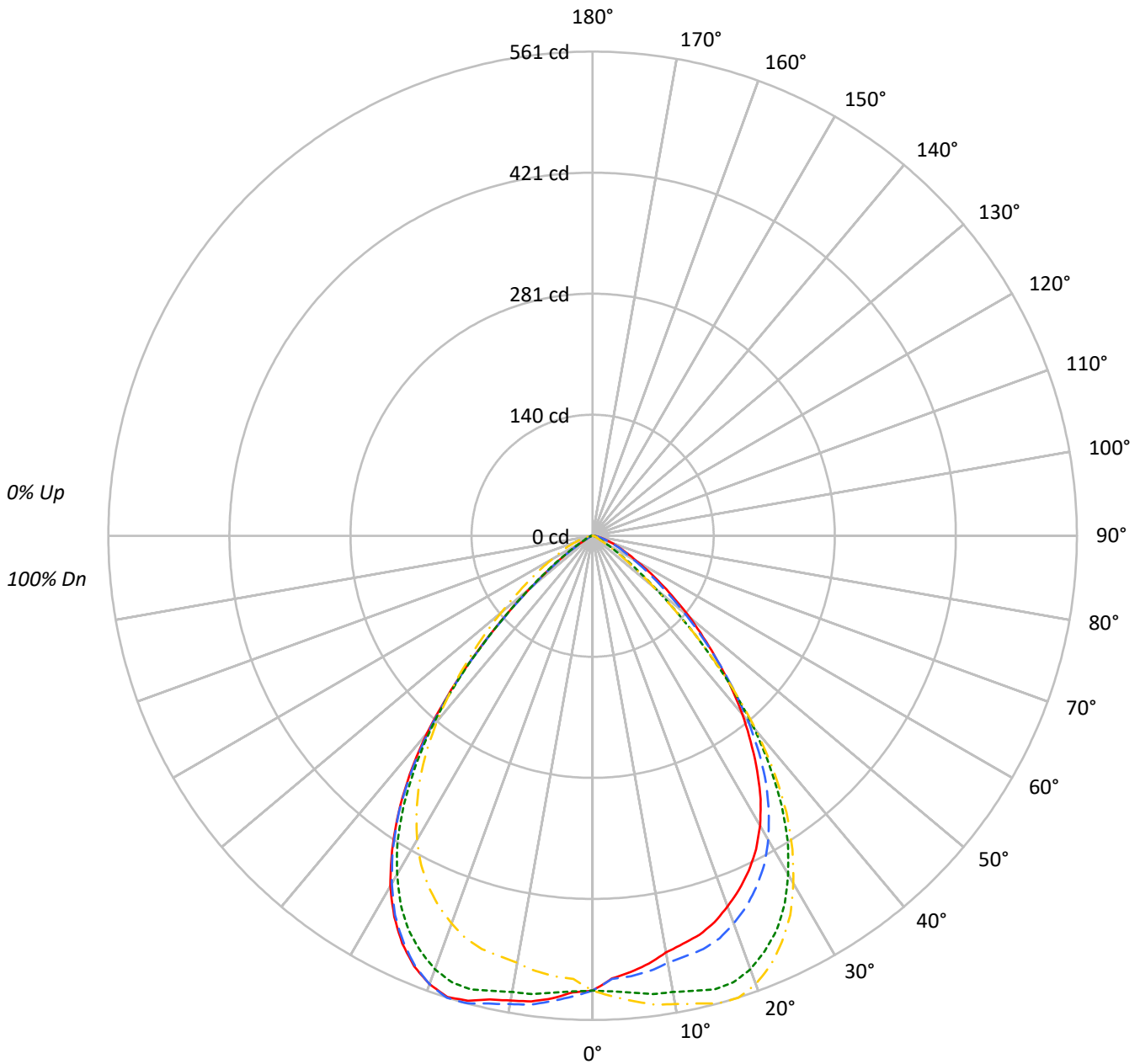
Input Watts (W): 10.05
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	28890	28890	28890	28890
5°	27922	29237	29611	29237
10°	27287	29881	30433	29881
15°	27162	30886	31652	30886
20°	26666	31176	32249	31176
25°	25901	30504	31544	30504
30°	24548	28663	29669	28663
35°	22252	25538	26234	25538
40°	19322	20810	21340	20810
45°	15839	14366	14459	14366
50°	12452	8059	7897	8059
55°	9204	3986	3575	3986
60°	6524	1754	1283	1754
65°	4851	1116	791	1116
70°	3542	882	593	882
75°	2605	657	381	657
80°	1736	568	189	568
85°	1132	377	377	377



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.5	5.7
10°-20°	149.4	17.0
20°-30°	223.0	25.3
30°-40°	229.1	26.0
40°-50°	148.4	16.8
50°-60°	55.2	6.3
60°-70°	18.1	2.1
70°-80°	6.4	0.7
80°-90°	1.1	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°	422.9	48.0
0°-40°	652.0	74.0
0°-60°	855.5	97.1
0°-90°	881.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	881.1	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	527	527	527	527	527	
5°	507	531	538	531	507	48
15°	479	544	558	544	479	135
25°	428	504	522	504	428	196
35°	332	382	392	382	332	206
45°	204	185	186	185	204	158
55°	96	42	37	42	96	88
65°	37	9	6	9	37	38
75°	12	3	2	3	12	14
85°	2	1	1	1	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°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	513.5	520.9	516.0	519.1	514.1	514.1	524.0	518.4	522.7	518.4	514.1
5°	507.4	516.6	510.5	513.5	509.2	509.8	519.1	514.8	519.1	516.0	512.3
7.5°	500.0	509.2	503.7	506.8	502.5	503.7	513.5	509.2	514.1	511.1	508.6
10°	490.2	500.0	495.1	498.2	494.5	495.1	504.9	501.9	506.2	504.3	502.5
12.5°	484.1	493.3	487.8	490.8	488.4	489.6	498.8	496.4	501.9	500.0	498.8
15°	478.6	487.1	482.2	485.3	483.5	484.1	493.9	491.4	497.6	496.4	495.7
17.5°	469.4	478.6	473.0	476.7	474.9	475.5	485.3	483.5	489.6	489.6	489.0
20°	457.1	466.3	462.0	464.4	463.2	464.4	473.0	471.8	477.9	477.9	477.9
22.5°	443.6	452.8	447.9	450.3	449.1	450.9	458.9	458.9	463.8	464.4	465.1
25°	428.2	437.5	432.5	435.6	434.4	435.6	443.0	443.6	447.9	447.9	449.1
27.5°	409.8	419.0	414.1	416.6	416.0	416.6	424.6	425.8	428.2	428.9	430.1
30°	387.8	396.3	391.4	393.9	393.9	393.9	401.9	402.5	404.9	405.5	406.8
32.5°	362.0	369.3	365.7	368.1	367.5	368.7	374.3	376.7	379.8	379.2	379.8
35°	332.5	340.5	336.8	338.7	339.3	341.1	344.8	347.9	348.5	349.1	350.3
37.5°	300.6	308.6	304.9	306.8	307.4	311.1	312.3	315.4	316.6	316.6	316.6
40°	270.0	273.6	270.6	272.4	273.0	276.1	277.3	279.8	281.0	280.4	279.8
42.5°	236.8	239.9	236.8	238.7	238.7	241.1	241.7	244.8	244.8	243.6	241.7
45°	204.3	207.4	204.3	205.5	205.5	208.0	208.0	208.0	209.2	207.4	204.3
47.5°	173.6	176.7	173.6	174.9	174.2	176.1	175.5	176.1	174.2	173.0	169.3
50°	146.0	147.2	146.0	145.4	146.0	147.2	146.6	146.6	144.2	142.3	138.0
52.5°	119.0	120.9	119.0	119.0	119.0	120.3	120.3	119.6	117.2	114.7	110.4
55°	96.3	97.6	96.9	96.3	96.3	97.6	96.3	96.3	93.9	92.0	87.7
57.5°	76.7	77.3	76.7	76.7	76.7	77.3	77.3	76.1	74.2	72.4	69.3
60°	59.5	60.1	60.1	59.5	59.5	60.7	60.7	60.1	58.3	57.1	54.0
62.5°	47.2	47.2	47.2	47.2	47.2	47.9	47.9	47.9	46.6	45.4	42.9
65°	37.4	38.0	37.4	37.4	38.0	38.7	38.0	38.7	37.4	36.8	35.0
67.5°	28.8	29.4	28.8	29.4	29.4	30.1	29.4	30.1	28.8	28.2	27.0
70°	22.1	22.1	22.1	22.1	22.1	22.7	22.1	22.7	22.1	21.5	20.2
72.5°	16.6	16.6	17.2	17.2	16.6	17.2	16.6	16.6	16.6	16.0	15.3
75°	12.3	12.3	12.9	12.3	12.3	12.3	12.3	12.3	11.7	11.7	11.0
77.5°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.0	8.0	7.4
80°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.9	4.9
82.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.1	3.1
85°	1.8	1.8	1.8	2.5	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.6	0.6	0.6	1.2	0.6	0.6	1.2	1.2	0.6	0.6	0.6
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°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	519.1	520.9	520.9	519.1	523.3	519.7	527.0	520.3	522.1	528.3	527.6
5°	517.2	519.7	520.3	519.1	524.6	521.5	528.9	522.1	525.2	531.3	531.3
7.5°	514.8	517.8	519.1	520.3	525.2	522.1	530.7	524.0	528.3	535.6	535.0
10°	509.2	513.5	516.0	517.8	522.7	520.9	530.1	524.6	528.3	536.8	536.2
12.5°	506.2	511.1	514.8	517.8	523.3	522.1	531.3	526.4	531.3	539.9	539.9
15°	503.7	509.2	513.5	519.1	524.6	523.3	533.2	528.9	533.8	544.2	543.6
17.5°	497.6	504.3	508.6	514.8	520.3	519.7	530.1	527.0	532.5	542.4	543.0
20°	487.1	493.3	498.2	505.6	511.7	510.5	521.5	518.4	524.0	534.4	535.0
22.5°	473.6	479.8	484.7	492.7	498.2	497.6	508.6	505.6	511.1	520.9	521.5
25°	457.7	463.2	468.1	475.5	481.6	481.6	491.4	488.4	494.5	504.3	504.3
27.5°	438.1	443.0	447.3	455.9	460.8	460.8	470.0	466.9	473.0	481.6	481.0
30°	414.1	418.4	422.1	429.5	433.8	434.4	442.4	439.3	445.4	452.8	452.8
32.5°	385.3	389.6	392.0	401.3	404.3	403.7	409.8	406.8	412.9	420.9	419.0
35°	354.6	356.5	358.3	367.5	368.7	366.3	372.4	369.3	373.6	381.6	380.4
37.5°	319.7	320.3	320.3	328.2	328.9	327.0	330.7	327.0	330.1	337.4	336.8
40°	281.0	280.4	279.8	285.9	285.3	281.6	284.1	281.0	285.3	290.8	287.7
42.5°	241.7	239.9	237.4	240.5	238.1	235.0	236.2	231.3	234.4	238.7	235.0
45°	203.1	199.4	194.5	195.1	192.0	188.4	186.5	181.6	181.0	185.3	182.2
47.5°	166.9	159.5	155.2	152.8	147.9	144.8	141.1	135.6	133.1	135.6	132.5
50°	134.4	127.0	121.5	116.0	111.0	107.4	101.2	97.6	93.9	94.5	92.0
52.5°	106.1	101.2	92.0	87.7	82.8	78.5	73.0	68.7	64.4	64.4	62.0
55°	84.1	77.3	71.2	65.0	60.1	56.4	50.9	46.6	42.3	41.7	39.3
57.5°	65.0	60.1	53.4	47.2	44.2	40.5	35.0	30.1	27.6	25.8	23.9
60°	50.3	45.4	39.9	35.0	31.3	28.8	23.3	19.6	17.2	16.0	14.1
62.5°	40.5	36.2	31.3	26.4	23.9	21.5	17.2	14.1	11.7	10.4	9.2
65°	32.5	28.8	25.2	21.5	19.6	17.2	14.1	11.7	9.8	8.6	7.4
67.5°	25.2	22.7	19.6	17.2	15.3	13.5	11.0	9.2	8.0	6.7	6.1
70°	19.0	17.2	15.3	12.9	11.7	10.4	8.6	6.7	6.1	5.5	4.9
72.5°	14.7	12.9	11.0	9.8	8.6	8.0	6.7	5.5	4.9	4.3	3.7
75°	9.8	9.2	8.0	6.7	6.1	5.5	4.9	4.3	3.7	3.1	3.1
77.5°	6.7	6.1	5.5	4.9	4.3	4.3	3.7	3.1	2.5	2.5	1.8
80°	4.3	3.7	3.7	3.1	3.1	3.1	2.5	1.8	1.8	1.8	1.2
82.5°	3.1	2.5	2.5	1.8	1.8	1.8	1.8	1.2	1.2	1.2	0.6
85°	1.8	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	522.7	528.3	528.3	533.2	533.8	532.5	527.0	527.0	534.4	538.7	531.3
5°	527.6	533.2	533.2	538.1	540.5	538.7	533.2	533.8	541.1	546.0	538.7
7.5°	531.9	537.5	538.7	544.2	546.0	544.2	538.7	539.9	547.9	552.2	544.8
10°	533.8	539.3	539.9	546.0	548.5	546.0	541.8	542.4	551.0	554.0	547.3
12.5°	538.1	543.6	543.6	550.3	552.8	551.0	545.4	546.7	555.2	558.3	551.6
15°	542.4	547.9	547.9	555.2	558.3	555.9	551.6	552.2	560.8	563.8	558.3
17.5°	542.4	547.3	547.3	555.2	558.3	556.5	551.6	552.2	561.4	563.8	558.3
20°	534.4	539.9	538.7	546.7	549.7	547.9	543.6	543.6	552.8	555.2	549.7
22.5°	521.5	526.4	525.2	532.5	536.2	533.8	530.1	529.5	538.7	541.1	535.6
25°	503.7	508.6	507.4	514.8	518.4	515.4	511.1	511.7	519.1	522.7	517.8
27.5°	482.9	485.9	484.1	491.4	495.1	492.1	487.8	488.4	495.7	498.2	494.5
30°	454.6	457.1	455.2	461.4	463.8	462.0	458.3	458.3	465.1	468.1	464.4
32.5°	420.9	422.7	420.9	425.8	430.7	427.0	423.3	423.3	430.7	433.2	428.9
35°	381.6	383.5	382.2	387.1	390.8	385.9	382.8	381.6	391.4	390.2	387.8
37.5°	338.1	339.3	335.6	344.2	346.0	340.5	338.1	336.8	345.4	344.8	342.4
40°	289.0	290.2	287.7	293.9	294.5	290.2	288.4	286.5	295.1	294.5	292.7
42.5°	236.8	237.4	234.4	239.3	240.5	236.2	235.6	233.1	241.1	239.9	239.3
45°	182.8	182.8	180.4	184.1	185.3	181.6	180.4	179.8	185.3	185.3	184.1
47.5°	132.5	130.7	127.6	133.1	133.8	131.3	130.7	128.8	134.4	134.4	133.1
50°	90.8	90.2	89.6	90.8	91.4	88.3	90.2	88.3	91.4	91.4	91.4
52.5°	60.7	60.1	58.9	60.1	60.1	58.3	58.3	57.7	60.1	60.1	58.9
55°	38.0	37.4	36.8	37.4	37.4	35.6	36.8	35.6	36.8	36.8	36.2
57.5°	23.3	22.1	22.1	21.5	21.5	20.2	20.9	20.9	20.9	20.9	20.9
60°	13.5	12.9	12.3	12.3	12.3	11.7	11.7	11.7	11.7	11.7	11.7
62.5°	8.6	8.6	8.0	8.0	8.0	8.0	8.0	7.4	8.0	8.0	8.0
65°	7.4	6.7	6.7	6.7	6.7	6.1	6.1	6.1	6.1	6.1	6.1
67.5°	6.1	5.5	5.5	5.5	5.5	4.9	4.9	4.9	4.9	4.9	4.9
70°	4.9	4.3	4.3	4.3	4.3	4.3	3.7	4.3	4.3	3.7	3.7
72.5°	3.7	3.7	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
75°	2.5	2.5	2.5	2.5	2.5	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6	0.0	0.6	0.0	0.6	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°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	539.9	533.8	530.7	536.8	539.3	536.2	533.8	529.5	533.8	536.2	539.3
5°	547.3	541.8	539.3	543.6	547.3	544.2	542.4	538.1	542.4	544.2	547.3
7.5°	554.0	548.5	545.4	549.7	554.0	549.7	547.9	544.2	547.9	549.7	554.0
10°	556.5	550.3	547.9	551.6	555.9	551.6	549.1	546.7	549.1	551.6	555.9
12.5°	560.8	554.6	551.6	554.6	558.9	554.6	552.2	550.3	552.2	554.6	558.9
15°	566.9	561.4	557.7	560.8	566.3	561.4	558.3	557.7	558.3	561.4	566.3
17.5°	566.9	562.6	558.9	561.4	566.9	563.2	558.9	560.2	558.9	563.2	566.9
20°	558.9	554.6	551.6	551.6	559.5	554.6	551.0	552.8	551.0	554.6	559.5
22.5°	544.8	541.1	538.1	537.5	545.4	541.1	536.2	539.9	536.2	541.1	545.4
25°	526.4	522.7	520.3	519.1	527.0	522.1	517.8	521.5	517.8	522.1	527.0
27.5°	502.5	499.4	497.0	495.1	502.5	498.2	493.9	497.6	493.9	498.2	502.5
30°	471.8	470.0	467.5	465.1	472.4	468.1	463.8	468.7	463.8	468.1	472.4
32.5°	436.2	435.0	431.9	429.5	436.8	431.9	428.9	432.5	428.9	431.9	436.8
35°	395.1	393.3	391.4	387.1	395.1	390.8	390.8	392.0	390.8	390.8	395.1
37.5°	349.1	347.9	345.4	341.7	348.5	345.4	344.2	347.9	344.2	345.4	348.5
40°	297.6	297.0	295.1	290.8	298.2	295.1	293.3	298.2	293.3	295.1	298.2
42.5°	243.6	242.3	240.5	239.9	243.6	241.1	243.0	243.0	243.0	241.1	243.6
45°	187.7	186.5	185.3	182.8	187.1	185.9	185.3	186.5	185.3	185.9	187.1
47.5°	136.2	135.0	133.8	131.9	136.2	134.4	134.4	135.6	134.4	134.4	136.2
50°	91.4	92.0	91.4	90.2	91.4	90.8	91.4	92.6	91.4	90.8	91.4
52.5°	60.7	60.7	59.5	58.9	60.1	59.5	61.4	60.1	61.4	59.5	60.1
55°	36.8	37.4	36.8	36.2	36.8	36.2	38.0	37.4	38.0	36.2	36.8
57.5°	20.9	20.9	21.5	20.9	22.1	21.5	21.5	21.5	21.5	21.5	22.1
60°	11.7	11.7	11.7	11.7	11.7	11.7	12.3	11.7	12.3	11.7	11.7
62.5°	8.0	8.0	8.0	7.4	8.0	7.4	8.0	8.0	8.0	7.4	8.0
65°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
67.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
70°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
72.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	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: P212779

CATALOG NUMBER: LD6B10D010 EU6B10209040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	200°	202.5°	205°	210°	215°	220°	225°	230°	235°	240°	245°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	536.8	530.7	533.8	539.9	531.3	538.7	534.4	527.0	527.0	532.5	533.8
5°	543.6	539.3	541.8	547.3	538.7	546.0	541.1	533.8	533.2	538.7	540.5
7.5°	549.7	545.4	548.5	554.0	544.8	552.2	547.9	539.9	538.7	544.2	546.0
10°	551.6	547.9	550.3	556.5	547.3	554.0	551.0	542.4	541.8	546.0	548.5
12.5°	554.6	551.6	554.6	560.8	551.6	558.3	555.2	546.7	545.4	551.0	552.8
15°	560.8	557.7	561.4	566.9	558.3	563.8	560.8	552.2	551.6	555.9	558.3
17.5°	561.4	558.9	562.6	566.9	558.3	563.8	561.4	552.2	551.6	556.5	558.3
20°	551.6	551.6	554.6	558.9	549.7	555.2	552.8	543.6	543.6	547.9	549.7
22.5°	537.5	538.1	541.1	544.8	535.6	541.1	538.7	529.5	530.1	533.8	536.2
25°	519.1	520.3	522.7	526.4	517.8	522.7	519.1	511.7	511.1	515.4	518.4
27.5°	495.1	497.0	499.4	502.5	494.5	498.2	495.7	488.4	487.8	492.1	495.1
30°	465.1	467.5	470.0	471.8	464.4	468.1	465.1	458.3	458.3	462.0	463.8
32.5°	429.5	431.9	435.0	436.2	428.9	433.2	430.7	423.3	423.3	427.0	430.7
35°	387.1	391.4	393.3	395.1	387.8	390.2	391.4	381.6	382.8	385.9	390.8
37.5°	341.7	345.4	347.9	349.1	342.4	344.8	345.4	336.8	338.1	340.5	346.0
40°	290.8	295.1	297.0	297.6	292.7	294.5	295.1	286.5	288.4	290.2	294.5
42.5°	239.9	240.5	242.3	243.6	239.3	239.9	241.1	233.1	235.6	236.2	240.5
45°	182.8	185.3	186.5	187.7	184.1	185.3	185.3	179.8	180.4	181.6	185.3
47.5°	131.9	133.8	135.0	136.2	133.1	134.4	134.4	128.8	130.7	131.3	133.8
50°	90.2	91.4	92.0	91.4	91.4	91.4	91.4	88.3	90.2	88.3	91.4
52.5°	58.9	59.5	60.7	60.7	58.9	60.1	60.1	57.7	58.3	58.3	60.1
55°	36.2	36.8	37.4	36.8	36.2	36.8	36.8	35.6	36.8	35.6	37.4
57.5°	20.9	21.5	20.9	20.9	20.9	20.9	20.9	20.9	20.9	20.2	21.5
60°	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	11.7	12.3
62.5°	7.4	8.0	8.0	8.0	8.0	8.0	8.0	7.4	8.0	8.0	8.0
65°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.7
67.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	5.5
70°	3.7	3.7	3.7	3.7	3.7	3.7	4.3	4.3	3.7	4.3	4.3
72.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
75°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.5
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.6	0.0	0.6
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: P212779

CATALOG NUMBER: LD6B10D010 EU6B10209040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	247.5°	250°	255°	260°	265°	270°	275°	280°	285°	290°	292.5°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	533.2	528.3	528.3	522.7	527.6	528.3	522.1	520.3	527.0	519.7	523.3
5°	538.1	533.2	533.2	527.6	531.3	531.3	525.2	522.1	528.9	521.5	524.6
7.5°	544.2	538.7	537.5	531.9	535.0	535.6	528.3	524.0	530.7	522.1	525.2
10°	546.0	539.9	539.3	533.8	536.2	536.8	528.3	524.6	530.1	520.9	522.7
12.5°	550.3	543.6	543.6	538.1	539.9	539.9	531.3	526.4	531.3	522.1	523.3
15°	555.2	547.9	547.9	542.4	543.6	544.2	533.8	528.9	533.2	523.3	524.6
17.5°	555.2	547.3	547.3	542.4	543.0	542.4	532.5	527.0	530.1	519.7	520.3
20°	546.7	538.7	539.9	534.4	535.0	534.4	524.0	518.4	521.5	510.5	511.7
22.5°	532.5	525.2	526.4	521.5	521.5	520.9	511.1	505.6	508.6	497.6	498.2
25°	514.8	507.4	508.6	503.7	504.3	504.3	494.5	488.4	491.4	481.6	481.6
27.5°	491.4	484.1	485.9	482.9	481.0	481.6	473.0	466.9	470.0	460.8	460.8
30°	461.4	455.2	457.1	454.6	452.8	452.8	445.4	439.3	442.4	434.4	433.8
32.5°	425.8	420.9	422.7	420.9	419.0	420.9	412.9	406.8	409.8	403.7	404.3
35°	387.1	382.2	383.5	381.6	380.4	381.6	373.6	369.3	372.4	366.3	368.7
37.5°	344.2	335.6	339.3	338.1	336.8	337.4	330.1	327.0	330.7	327.0	328.9
40°	293.9	287.7	290.2	289.0	287.7	290.8	285.3	281.0	284.1	281.6	285.3
42.5°	239.3	234.4	237.4	236.8	235.0	238.7	234.4	231.3	236.2	235.0	238.1
45°	184.1	180.4	182.8	182.8	182.2	185.3	181.0	181.6	186.5	188.4	192.0
47.5°	133.1	127.6	130.7	132.5	132.5	135.6	133.1	135.6	141.1	144.8	147.9
50°	90.8	89.6	90.2	90.8	92.0	94.5	93.9	97.6	101.2	107.4	111.0
52.5°	60.1	58.9	60.1	60.7	62.0	64.4	64.4	68.7	73.0	78.5	82.8
55°	37.4	36.8	37.4	38.0	39.3	41.7	42.3	46.6	50.9	56.4	60.1
57.5°	21.5	22.1	22.1	23.3	23.9	25.8	27.6	30.1	35.0	40.5	44.2
60°	12.3	12.3	12.9	13.5	14.1	16.0	17.2	19.6	23.3	28.8	31.3
62.5°	8.0	8.0	8.6	8.6	9.2	10.4	11.7	14.1	17.2	21.5	23.9
65°	6.7	6.7	6.7	7.4	7.4	8.6	9.8	11.7	14.1	17.2	19.6
67.5°	5.5	5.5	5.5	6.1	6.1	6.7	8.0	9.2	11.0	13.5	15.3
70°	4.3	4.3	4.3	4.9	4.9	5.5	6.1	6.7	8.6	10.4	11.7
72.5°	3.1	3.1	3.7	3.7	3.7	4.3	4.9	5.5	6.7	8.0	8.6
75°	2.5	2.5	2.5	2.5	3.1	3.1	3.7	4.3	4.9	5.5	6.1
77.5°	1.2	1.2	1.8	1.8	1.8	2.5	2.5	3.1	3.7	4.3	4.3
80°	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	2.5	3.1	3.1
82.5°	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.8	1.8	1.8
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6
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: P212779

CATALOG NUMBER: LD6B10D010 EU6B10209040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	295°	300°	305°	310°	315°	320°	325°	330°	335°	337.5°	340°
0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	519.1	520.9	520.9	519.1	514.1	518.4	522.7	518.4	524.0	514.1	514.1
5°	519.1	520.3	519.7	517.2	512.3	516.0	519.1	514.8	519.1	509.8	509.2
7.5°	520.3	519.1	517.8	514.8	508.6	511.1	514.1	509.2	513.5	503.7	502.5
10°	517.8	516.0	513.5	509.2	502.5	504.3	506.2	501.9	504.9	495.1	494.5
12.5°	517.8	514.8	511.1	506.2	498.8	500.0	501.9	496.4	498.8	489.6	488.4
15°	519.1	513.5	509.2	503.7	495.7	496.4	497.6	491.4	493.9	484.1	483.5
17.5°	514.8	508.6	504.3	497.6	489.0	489.6	489.6	483.5	485.3	475.5	474.9
20°	505.6	498.2	493.3	487.1	477.9	477.9	477.9	471.8	473.0	464.4	463.2
22.5°	492.7	484.7	479.8	473.6	465.1	464.4	463.8	458.9	458.9	450.9	449.1
25°	475.5	468.1	463.2	457.7	449.1	447.9	447.9	443.6	443.0	435.6	434.4
27.5°	455.9	447.3	443.0	438.1	430.1	428.9	428.2	425.8	424.6	416.6	416.0
30°	429.5	422.1	418.4	414.1	406.8	405.5	404.9	402.5	401.9	393.9	393.9
32.5°	401.3	392.0	389.6	385.3	379.8	379.2	379.8	376.7	374.3	368.7	367.5
35°	367.5	358.3	356.5	354.6	350.3	349.1	348.5	347.9	344.8	341.1	339.3
37.5°	328.2	320.3	320.3	319.7	316.6	316.6	316.6	315.4	312.3	311.1	307.4
40°	285.9	279.8	280.4	281.0	279.8	280.4	281.0	279.8	277.3	276.1	273.0
42.5°	240.5	237.4	239.9	241.7	241.7	243.6	244.8	244.8	241.7	241.1	238.7
45°	195.1	194.5	199.4	203.1	204.3	207.4	209.2	208.0	208.0	208.0	205.5
47.5°	152.8	155.2	159.5	166.9	169.3	173.0	174.2	176.1	175.5	176.1	174.2
50°	116.0	121.5	127.0	134.4	138.0	142.3	144.2	146.6	146.6	147.2	146.0
52.5°	87.7	92.0	101.2	106.1	110.4	114.7	117.2	119.6	120.3	120.3	119.0
55°	65.0	71.2	77.3	84.1	87.7	92.0	93.9	96.3	96.3	97.6	96.3
57.5°	47.2	53.4	60.1	65.0	69.3	72.4	74.2	76.1	77.3	77.3	76.7
60°	35.0	39.9	45.4	50.3	54.0	57.1	58.3	60.1	60.7	60.7	59.5
62.5°	26.4	31.3	36.2	40.5	42.9	45.4	46.6	47.9	47.9	47.9	47.2
65°	21.5	25.2	28.8	32.5	35.0	36.8	37.4	38.7	38.0	38.7	38.0
67.5°	17.2	19.6	22.7	25.2	27.0	28.2	28.8	30.1	29.4	30.1	29.4
70°	12.9	15.3	17.2	19.0	20.2	21.5	22.1	22.7	22.1	22.7	22.1
72.5°	9.8	11.0	12.9	14.7	15.3	16.0	16.6	16.6	16.6	17.2	16.6
75°	6.7	8.0	9.2	9.8	11.0	11.7	11.7	12.3	12.3	12.3	12.3
77.5°	4.9	5.5	6.1	6.7	7.4	8.0	8.0	8.6	8.6	8.6	8.6
80°	3.1	3.7	3.7	4.3	4.9	4.9	5.5	5.5	5.5	5.5	5.5
82.5°	1.8	2.5	2.5	3.1	3.1	3.1	3.7	3.7	3.7	3.7	3.7
85°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
87.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	0.6	0.6
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: P212779

CATALOG NUMBER: LD6B10D010 EU6B10209040 6LBSWLI1

CANDELA DISTRIBUTION (continued):

	345°	350°	355°	360°
0°	527.0	527.0	527.0	527.0
2.5°	519.1	516.0	520.9	513.5
5°	513.5	510.5	516.6	507.4
7.5°	506.8	503.7	509.2	500.0
10°	498.2	495.1	500.0	490.2
12.5°	490.8	487.8	493.3	484.1
15°	485.3	482.2	487.1	478.6
17.5°	476.7	473.0	478.6	469.4
20°	464.4	462.0	466.3	457.1
22.5°	450.3	447.9	452.8	443.6
25°	435.6	432.5	437.5	428.2
27.5°	416.6	414.1	419.0	409.8
30°	393.9	391.4	396.3	387.8
32.5°	368.1	365.7	369.3	362.0
35°	338.7	336.8	340.5	332.5
37.5°	306.8	304.9	308.6	300.6
40°	272.4	270.6	273.6	270.0
42.5°	238.7	236.8	239.9	236.8
45°	205.5	204.3	207.4	204.3
47.5°	174.9	173.6	176.7	173.6
50°	145.4	146.0	147.2	146.0
52.5°	119.0	119.0	120.9	119.0
55°	96.3	96.9	97.6	96.3
57.5°	76.7	76.7	77.3	76.7
60°	59.5	60.1	60.1	59.5
62.5°	47.2	47.2	47.2	47.2
65°	37.4	37.4	38.0	37.4
67.5°	29.4	28.8	29.4	28.8
70°	22.1	22.1	22.1	22.1
72.5°	17.2	17.2	16.6	16.6
75°	12.3	12.9	12.3	12.3
77.5°	8.6	8.6	8.6	8.6
80°	5.5	5.5	5.5	5.5
82.5°	3.7	3.7	3.7	3.7
85°	2.5	1.8	1.8	1.8
87.5°	1.2	0.6	0.6	0.6
90°	0.0	0.0	0.0	0.0



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





















(END OF REPORT)