

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: LUMIERE

Report Number: P394913

Luminaire Tested: **303-A1-LEDB2-3500-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P394913  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2001-623-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-A1-LEDB2-3500-UNV-T4-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 4 WITH EDGE GLOW  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

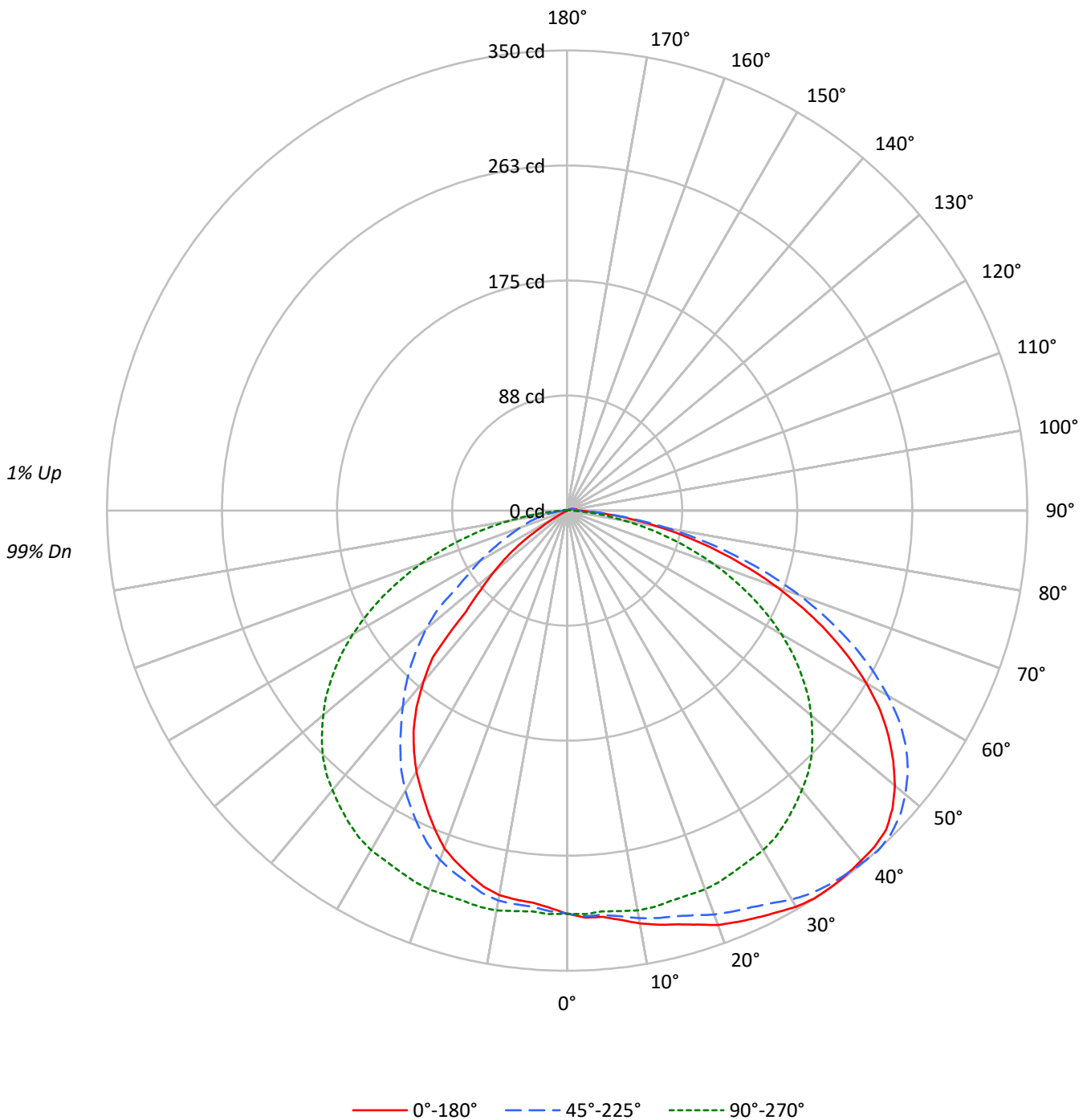
Lumens per Lamp: N/A  
Luminaire Lumens: 1049.9 lumens  
Efficiency: N/A  
Efficacy: 67.7 lumens/watt  
Spacing Criteria (0/90/45): 1.39 / 1.44 / 1.55  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')  
CIE Type: Direct

Input Watts (W): 15.5  
Input Voltage (V): 120  
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: 24 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		101	101	101	99
1	108	103	99	95	105	101	97	93	96	93	90		92	90	87		89	86	84	82
2	98	89	82	76	95	87	81	75	84	78	74		80	76	72		77	73	70	68
3	89	78	70	63	86	76	69	62	73	67	61		70	65	60		68	63	59	56
4	81	69	60	53	79	67	59	52	65	57	52		62	56	51		60	55	50	48
5	74	61	52	45	72	60	51	45	58	50	44		56	49	44		54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38		50	43	38		48	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34		46	39	33		44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30		42	35	30		40	34	29	28
9	55	41	33	27	53	41	33	27	39	32	27		38	31	27		37	31	26	25
10	51	38	30	24	50	37	30	24	36	29	24		35	29	24		34	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°
0°	21122	21122	21122
5°	21406	21112	20661
10°	22207	21500	20688
15°	23088	21754	20324
20°	24376	22261	19855
25°	25678	22704	18898
30°	27304	23361	17983
35°	28932	23909	16840
40°	30660	24418	14986
45°	32653	24957	10409
50°	33905	25158	7606
55°	34652	25153	4901
60°	34764	24785	1296
65°	33889	23838	31
70°	32010	22220	38
75°	28924	19512	49
80°	24583	15438	70
85°	18856	9450	248



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.2	2.8
10°-20°	86.7	8.3
20°-30°	138.3	13.2
30°-40°	177.5	16.9
40°-50°	194.0	18.5
50°-60°	179.2	17.1
60°-70°	136.9	13.0
70°-80°	78.7	7.5
80°-90°	21.6	2.1
90°-100°	4.2	0.4
100°-110°	2.5	0.2
110°-120°	0.8	0.1
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°	254.3	24.2
0°-40°	431.8	41.1
0°-60°	805.1	76.7
0°-90°	1042.4	99.3
90°-120°	7.5	0.7
90°-150°	7.5	0.7
90°-180°	8.0	0.8
0°-180°	1049.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	307	307	307	307	307	
5°	310	309	306	302	299	30
15°	326	319	307	293	287	93
25°	342	333	302	266	251	158
35°	350	347	290	221	204	219
45°	343	348	263	169	109	263
55°	298	315	217	102	42	266
65°	219	238	155	54	0	215
75°	118	133	81	26	0	125
85°	30	32	16	6	0	33
90°	9	8	3	3	0	6
95°	7	7	2	2	0	6
105°	5	4	2	1	0	5
115°	2	1	1	0	0	2
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



TEST NUMBER: P394913

CATALOG NUMBER: 303-A1-LEDB2-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
0°	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6
2.5°	309.8	306.4	304.8	306.8	305.2	308.6	307.4	306.8	306.8	309.0	308.8
5°	310.2	306.6	304.6	306.8	305.6	308.6	307.4	306.6	306.4	308.8	308.6
7.5°	314.0	310.0	308.0	310.4	309.0	311.8	310.4	309.6	309.4	311.8	311.2
10°	318.8	314.6	312.6	315.0	313.4	316.2	314.8	313.8	313.4	315.4	314.8
12.5°	322.6	318.2	316.6	318.8	317.0	319.6	318.4	316.8	316.6	318.2	317.4
15°	325.8	321.4	319.8	321.8	320.0	322.2	321.0	319.4	319.0	320.4	319.4
17.5°	330.2	325.8	324.0	326.4	324.6	325.8	324.6	323.2	323.0	324.0	322.6
20°	335.4	331.0	329.4	331.8	329.6	331.2	329.6	328.2	327.6	328.2	327.0
22.5°	338.6	334.4	333.4	335.8	333.6	334.8	333.6	332.0	331.6	332.0	330.0
25°	341.6	337.0	336.2	338.8	336.8	338.0	337.0	335.4	335.0	334.8	332.8
27.5°	344.6	340.0	339.4	342.2	340.4	341.6	340.8	339.6	339.0	338.6	336.6
30°	348.0	344.0	343.4	346.8	345.4	346.4	346.0	344.8	344.6	343.8	341.6
32.5°	349.8	346.2	346.2	349.6	349.0	350.2	350.0	349.0	348.6	347.8	345.2
35°	349.8	346.4	346.8	350.6	350.0	351.4	352.0	351.2	351.2	350.0	347.4
37.5°	349.0	346.2	347.0	350.8	350.4	352.0	353.2	352.6	352.8	351.6	348.6
40°	347.8	345.4	346.6	350.6	350.6	352.4	353.8	353.8	354.2	352.6	349.6
42.5°	346.4	344.2	345.8	349.8	350.0	351.8	354.6	354.6	355.0	353.4	350.4
45°	343.2	341.2	343.4	347.0	347.0	348.6	352.0	352.6	353.2	351.6	348.2
47.5°	335.6	334.0	336.6	340.4	341.4	343.0	347.0	347.6	348.6	346.8	343.4
50°	325.4	323.8	326.4	330.6	332.2	335.0	339.6	340.6	341.4	339.4	335.8
52.5°	312.6	311.8	314.2	318.6	321.2	324.0	329.0	331.0	332.4	330.8	326.6
55°	298.4	297.4	300.2	304.0	307.2	310.0	316.0	318.0	319.6	318.6	315.0
57.5°	282.0	281.2	284.0	287.4	290.8	293.4	300.0	302.2	303.8	303.0	300.0
60°	262.8	262.2	265.0	269.2	272.2	274.6	281.2	283.4	285.4	284.6	281.8
62.5°	241.6	241.2	244.0	247.2	251.0	253.2	259.8	262.2	264.2	262.8	261.2
65°	218.6	218.2	221.0	225.0	227.8	229.8	236.4	240.0	240.6	240.6	238.4
67.5°	194.2	194.0	196.6	200.2	203.0	204.8	210.8	214.4	215.2	215.4	213.6
70°	169.4	169.0	171.6	175.2	176.6	178.8	184.2	187.6	188.2	187.8	187.6
72.5°	143.8	143.6	145.8	148.4	150.8	152.2	157.0	159.8	160.2	160.4	160.8
75°	118.4	119.4	120.0	123.6	124.6	125.4	129.6	131.8	132.0	132.2	132.6
77.5°	93.8	93.6	95.2	98.4	98.8	99.4	102.6	104.2	104.4	104.6	104.8
80°	70.4	71.4	71.2	73.2	73.4	74.2	76.6	77.6	77.6	78.4	78.2
82.5°	48.8	49.8	49.4	51.0	51.0	51.2	52.8	53.2	53.0	53.6	53.6
85°	30.4	31.0	30.6	31.6	31.2	31.4	32.2	32.2	31.8	32.2	31.8
87.5°	16.6	16.8	16.4	17.4	17.2	16.6	16.8	16.4	16.0	16.0	15.6
90°	9.0	9.2	9.4	9.4	9.2	9.0	9.0	8.6	8.4	8.4	8.0
92.5°	8.0	8.0	8.2	8.2	8.2	8.0	8.0	7.8	7.6	7.4	7.2
95°	7.2	7.4	7.4	7.4	7.4	7.2	7.2	7.0	7.0	6.8	6.6
97.5°	6.6	6.8	6.8	6.8	6.8	6.6	6.6	6.4	6.4	6.2	6.0
100°	6.2	6.2	6.2	6.2	6.2	6.0	6.0	5.8	5.8	5.6	5.4
102.5°	5.6	5.6	5.6	5.6	5.6	5.4	5.4	5.2	5.0	5.0	4.6
105°	5.0	5.0	5.0	5.0	4.8	4.6	4.6	4.4	4.2	4.2	3.8
107.5°	4.4	4.4	4.4	4.4	4.2	4.0	3.8	3.6	3.4	3.2	3.0
110°	3.6	3.8	3.8	3.6	3.4	3.2	3.0	2.6	2.6	2.4	2.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
112.5°	3.0	3.0	3.0	2.8	2.6	2.4	2.2	1.8	1.8	1.6	1.4
115°	2.0	2.2	2.2	2.0	1.8	1.6	1.4	1.2	1.2	1.0	0.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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°	70°	75°	80°	85°	90°	95°	100°
0°	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6
2.5°	307.0	308.0	308.0	307.4	307.2	307.4	307.0	308.0	307.2	305.6	306.6
5°	306.6	307.8	307.4	307.0	306.2	306.6	306.2	307.0	306.0	304.4	305.2
7.5°	309.2	310.6	309.6	309.4	308.2	308.6	308.0	308.4	307.2	305.6	306.2
10°	312.6	314.4	312.8	312.4	310.4	311.0	310.0	310.0	308.8	307.0	307.2
12.5°	315.0	316.8	314.6	314.0	311.6	312.0	310.4	310.0	308.6	306.4	306.4
15°	317.0	318.6	316.0	315.0	312.0	312.2	310.0	309.0	307.2	304.6	304.0
17.5°	320.0	321.6	318.4	317.2	313.2	313.0	310.4	308.6	306.6	303.6	302.4
20°	324.0	325.6	321.8	320.2	315.4	315.2	311.8	309.2	306.6	303.0	301.0
22.5°	326.8	328.4	324.0	322.2	316.6	315.8	312.0	308.4	305.0	301.0	297.8
25°	329.6	331.0	325.8	323.6	317.0	315.8	311.2	306.6	302.4	297.6	293.8
27.5°	333.2	334.2	328.2	325.6	318.0	316.4	310.6	304.8	300.0	294.0	289.2
30°	337.8	338.8	332.0	328.8	320.0	317.8	310.8	304.2	298.2	291.2	285.0
32.5°	341.4	341.8	334.6	330.8	320.8	317.8	310.0	301.6	294.8	286.8	279.2
35°	343.6	343.2	335.2	330.8	320.0	316.2	307.4	297.6	289.6	280.8	271.8
37.5°	344.6	344.0	335.4	330.4	318.4	313.6	303.6	292.8	283.8	273.6	263.0
40°	345.8	344.4	335.0	329.4	316.4	310.6	299.8	287.8	277.6	266.6	254.6
42.5°	346.2	344.4	334.2	328.0	313.8	307.4	295.4	282.2	271.2	259.2	246.2
45°	344.2	341.4	330.8	323.8	309.0	301.4	288.8	274.6	263.0	250.4	236.4
47.5°	338.8	335.2	324.6	316.8	301.4	293.4	280.2	265.0	253.0	240.0	225.4
50°	331.6	327.2	316.4	308.2	292.2	283.6	270.0	254.6	242.2	229.0	214.0
52.5°	322.4	317.6	306.2	297.6	281.4	272.4	258.6	243.0	231.0	217.2	202.0
55°	310.4	305.2	293.8	284.8	268.6	259.4	245.8	229.8	217.4	204.2	189.2
57.5°	296.6	290.0	278.8	269.2	253.4	244.2	230.8	215.4	203.8	190.4	175.6
60°	279.0	272.4	261.0	251.6	236.0	227.0	214.2	200.0	188.2	175.4	161.4
62.5°	258.6	252.4	241.4	230.8	217.2	208.0	196.0	182.8	171.8	159.6	146.6
65°	236.2	230.0	220.4	210.2	196.8	188.0	177.0	164.6	154.6	143.2	131.2
67.5°	211.6	205.8	197.0	187.4	175.0	168.0	157.0	145.6	136.4	126.4	115.6
70°	185.6	180.0	172.6	163.2	153.0	145.0	136.4	126.2	118.4	109.6	99.8
72.5°	158.4	153.4	146.8	138.8	129.0	123.6	115.2	106.4	99.2	91.8	83.8
75°	130.6	126.2	120.8	114.0	105.6	101.2	94.0	86.6	80.6	74.6	67.8
77.5°	103.2	99.6	95.2	90.8	82.8	79.0	73.4	67.4	62.8	57.8	52.6
80°	76.4	73.6	70.2	66.2	61.0	57.8	53.4	48.8	44.8	41.8	38.6
82.5°	51.6	49.6	47.2	44.4	40.8	38.2	35.2	31.8	29.2	27.4	25.2
85°	30.6	29.2	27.6	25.6	23.2	21.8	19.8	17.6	15.6	14.8	14.0
87.5°	15.4	14.0	13.0	12.4	10.4	9.6	8.4	7.2	6.6	6.0	6.0
90°	7.6	7.0	6.4	5.8	5.2	4.6	3.8	3.2	2.8	2.8	3.0
92.5°	6.8	6.4	5.8	5.4	4.8	4.0	3.4	2.6	2.6	2.6	2.6
95°	6.2	5.8	5.4	4.8	4.2	3.6	2.8	2.4	2.4	2.4	2.4
97.5°	5.8	5.2	4.8	4.2	3.6	3.0	2.6	2.4	2.2	2.2	2.2
100°	5.0	4.6	4.2	3.6	3.0	2.6	2.4	2.2	2.2	2.2	2.2
102.5°	4.4	4.0	3.6	3.0	2.4	2.4	2.2	2.0	2.0	2.0	2.0
105°	3.6	3.2	2.8	2.4	2.2	2.2	2.0	2.0	1.8	1.8	1.8
107.5°	2.8	2.4	2.0	2.0	2.0	2.0	1.8	1.6	1.6	1.6	1.6
110°	2.0	1.6	1.8	1.8	1.8	1.8	1.6	1.4	1.4	1.4	1.4





TEST NUMBER: P394913

CATALOG NUMBER: 303-A1-LEDB2-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
112.5°	1.2	1.2	1.4	1.4	1.6	1.6	1.4	1.2	1.2	1.2	1.2
115°	1.0	1.0	1.2	1.2	1.2	1.2	1.2	1.0	1.0	1.0	0.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394913

CATALOG NUMBER: 303-A1-LEDB2-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6	306.6
2.5°	305.6	308.8	306.4	305.2	306.4	305.4	305.0	307.4	304.2	303.0	302.4
5°	303.8	307.0	304.6	303.0	304.4	302.8	302.4	304.8	301.6	300.2	299.4
7.5°	304.6	307.6	305.0	303.2	304.6	302.4	302.0	304.0	301.0	299.4	298.8
10°	305.4	308.0	305.2	303.0	304.6	301.8	301.2	303.0	300.0	298.0	297.2
12.5°	304.2	306.2	303.2	300.6	302.2	298.6	298.0	299.2	296.2	294.0	293.2
15°	301.6	303.0	299.6	296.8	298.4	294.0	292.8	293.8	290.8	288.2	287.4
17.5°	299.4	300.4	296.4	293.2	294.4	289.4	288.2	288.6	285.4	282.4	281.2
20°	297.6	297.8	293.4	289.6	290.4	285.0	282.8	282.8	279.8	276.4	274.8
22.5°	293.6	292.8	288.4	283.8	284.0	278.0	275.4	274.8	271.2	267.4	266.0
25°	288.6	286.6	281.2	276.4	275.6	269.2	266.2	265.0	261.6	257.2	255.4
27.5°	283.0	279.8	273.8	268.2	266.8	259.6	256.2	254.4	250.8	246.0	244.4
30°	277.8	273.2	266.4	260.0	257.6	250.0	246.2	243.8	240.4	235.4	233.6
32.5°	270.8	264.8	256.8	249.6	246.6	238.6	234.6	231.6	228.2	223.4	222.2
35°	262.2	254.8	245.8	237.8	234.0	225.6	221.2	218.0	215.0	210.2	208.8
37.5°	252.8	244.0	234.0	225.4	220.6	212.0	207.6	204.2	201.4	197.0	195.4
40°	243.4	233.6	222.4	213.0	207.6	199.0	194.4	191.0	188.4	183.2	180.8
42.5°	234.0	223.0	210.8	200.8	195.0	186.4	182.0	178.4	174.2	168.4	165.0
45°	223.2	211.0	198.4	188.2	181.8	173.4	168.8	163.6	159.0	152.4	147.2
47.5°	211.6	198.6	185.6	175.2	168.6	160.2	154.2	147.8	142.2	133.6	115.6
50°	199.6	186.2	172.8	163.0	155.8	146.6	139.8	131.8	116.4	103.6	95.8
52.5°	187.2	173.6	160.4	150.8	142.8	133.0	124.8	105.8	95.4	87.4	80.6
55°	174.8	161.2	148.2	138.8	129.8	119.2	102.2	89.0	81.2	74.0	67.0
57.5°	161.8	148.4	135.8	126.2	116.2	99.0	87.4	76.4	69.2	61.0	53.0
60°	148.2	135.6	124.0	113.4	100.6	84.4	76.4	65.0	57.2	45.4	36.0
62.5°	134.4	122.6	111.0	100.8	85.8	73.2	65.0	53.6	42.0	33.6	24.8
65°	120.2	109.4	98.4	85.2	74.2	63.2	54.2	42.8	33.0	24.6	17.6
67.5°	105.8	96.0	86.6	73.8	64.2	54.4	45.2	35.0	26.6	20.8	15.4
70°	92.0	82.8	74.2	63.6	54.8	46.4	38.2	30.0	23.2	18.0	13.4
72.5°	76.8	69.6	62.0	53.2	46.0	39.0	32.2	25.4	19.6	15.4	11.4
75°	63.0	56.6	50.8	43.4	37.8	31.6	26.2	20.8	16.2	12.6	9.4
77.5°	49.0	44.0	39.6	33.8	29.0	24.8	20.6	16.2	12.8	10.0	7.4
80°	35.6	32.0	28.6	24.4	21.4	18.0	15.2	12.0	9.6	7.4	5.6
82.5°	23.6	21.0	18.8	16.2	14.2	12.2	10.4	8.4	6.6	5.2	4.0
85°	13.2	12.0	10.6	9.2	8.4	7.2	6.2	5.2	4.2	3.4	2.6
87.5°	6.0	5.6	5.2	4.8	4.2	3.8	3.4	3.0	2.6	2.2	1.8
90°	3.2	3.2	3.2	3.2	3.0	2.8	2.6	2.4	2.2	1.8	1.4
92.5°	2.8	2.8	3.0	3.0	2.8	2.6	2.4	2.2	2.0	1.6	1.4
95°	2.6	2.6	2.8	2.8	2.6	2.4	2.4	2.0	1.8	1.4	1.2
97.5°	2.4	2.4	2.4	2.4	2.4	2.2	2.2	1.8	1.6	1.4	1.0
100°	2.2	2.2	2.2	2.2	2.2	2.0	1.8	1.6	1.4	1.2	0.8
102.5°	2.0	1.8	2.0	2.0	2.0	1.8	1.6	1.4	1.2	1.0	0.8
105°	1.8	1.6	1.6	1.6	1.6	1.6	1.4	1.2	1.0	0.8	0.6
107.5°	1.6	1.4	1.4	1.4	1.2	1.2	1.2	1.0	0.8	0.6	0.6
110°	1.4	1.2	1.2	1.0	1.0	0.8	0.8	0.6	0.6	0.6	0.4



TEST NUMBER: P394913

CATALOG NUMBER: 303-A1-LEDB2-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
112.5°	1.2	1.0	1.0	0.8	0.6	0.6	0.6	0.4	0.4	0.4	0.4
115°	0.8	0.8	0.6	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P394913

CATALOG NUMBER: 303-A1-LEDB2-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	160°	165°	170°	175°	180°
0°	306.6	306.6	306.6	306.6	306.6
2.5°	303.8	305.2	302.2	303.8	302.4
5°	300.6	302.2	299.2	300.8	299.4
7.5°	299.8	301.2	298.2	299.8	298.4
10°	298.2	299.8	296.8	298.0	297.0
12.5°	294.0	295.8	292.4	293.8	293.0
15°	288.0	289.4	286.2	287.2	286.8
17.5°	281.2	283.0	279.6	280.2	280.4
20°	274.6	276.0	272.4	273.0	273.2
22.5°	265.0	266.4	262.6	263.0	262.6
25°	254.0	255.0	251.6	251.6	251.4
27.5°	242.8	243.8	240.2	240.0	240.0
30°	232.0	232.6	229.8	229.2	229.2
32.5°	220.0	220.4	218.0	217.0	216.8
35°	207.0	207.2	204.8	203.6	203.6
37.5°	193.4	192.2	189.2	187.8	187.8
40°	177.4	175.8	172.4	170.4	170.0
42.5°	160.4	157.8	154.2	151.8	151.2
45°	140.4	124.4	114.8	110.8	109.4
47.5°	103.0	97.2	92.6	90.0	89.0
50°	84.6	80.0	76.2	74.0	73.0
52.5°	70.4	65.6	62.4	59.2	58.0
55°	56.6	51.0	47.4	44.0	42.2
57.5°	38.0	30.2	26.0	22.6	22.6
60°	23.8	17.6	13.0	10.0	9.8
62.5°	14.0	7.6	3.0	0.8	0.4
65°	9.4	5.0	2.4	0.8	0.2
67.5°	8.4	4.6	2.2	0.8	0.2
70°	7.4	4.0	2.0	0.6	0.2
72.5°	6.4	3.6	1.8	0.6	0.4
75°	5.4	3.0	1.6	0.6	0.2
77.5°	4.4	2.6	1.4	0.6	0.2
80°	3.4	2.0	1.2	0.4	0.2
82.5°	2.6	1.6	1.0	0.4	0.4
85°	1.8	1.2	0.8	0.4	0.4
87.5°	1.4	1.0	0.6	0.4	0.4
90°	1.2	0.8	0.6	0.4	0.2
92.5°	1.0	0.8	0.6	0.4	0.4
95°	1.0	0.6	0.4	0.4	0.4
97.5°	0.8	0.6	0.4	0.4	0.4
100°	0.6	0.4	0.4	0.4	0.4
102.5°	0.4	0.4	0.4	0.4	0.4
105°	0.4	0.4	0.4	0.4	0.4
107.5°	0.4	0.4	0.4	0.4	0.4
110°	0.4	0.4	0.4	0.4	0.4



TEST NUMBER: P394913

CATALOG NUMBER: 303-A1-LEDB2-3500-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	160°	165°	170°	175°	180°
112.5°	0.4	0.4	0.4	0.4	0.4
115°	0.4	0.4	0.4	0.4	0.4
117.5°	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)