

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: P394902

Luminaire Tested: **303-A1-LEDB2-2700-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394902
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-LEDB2-2700-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 4 WITH EDGE GLOW
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

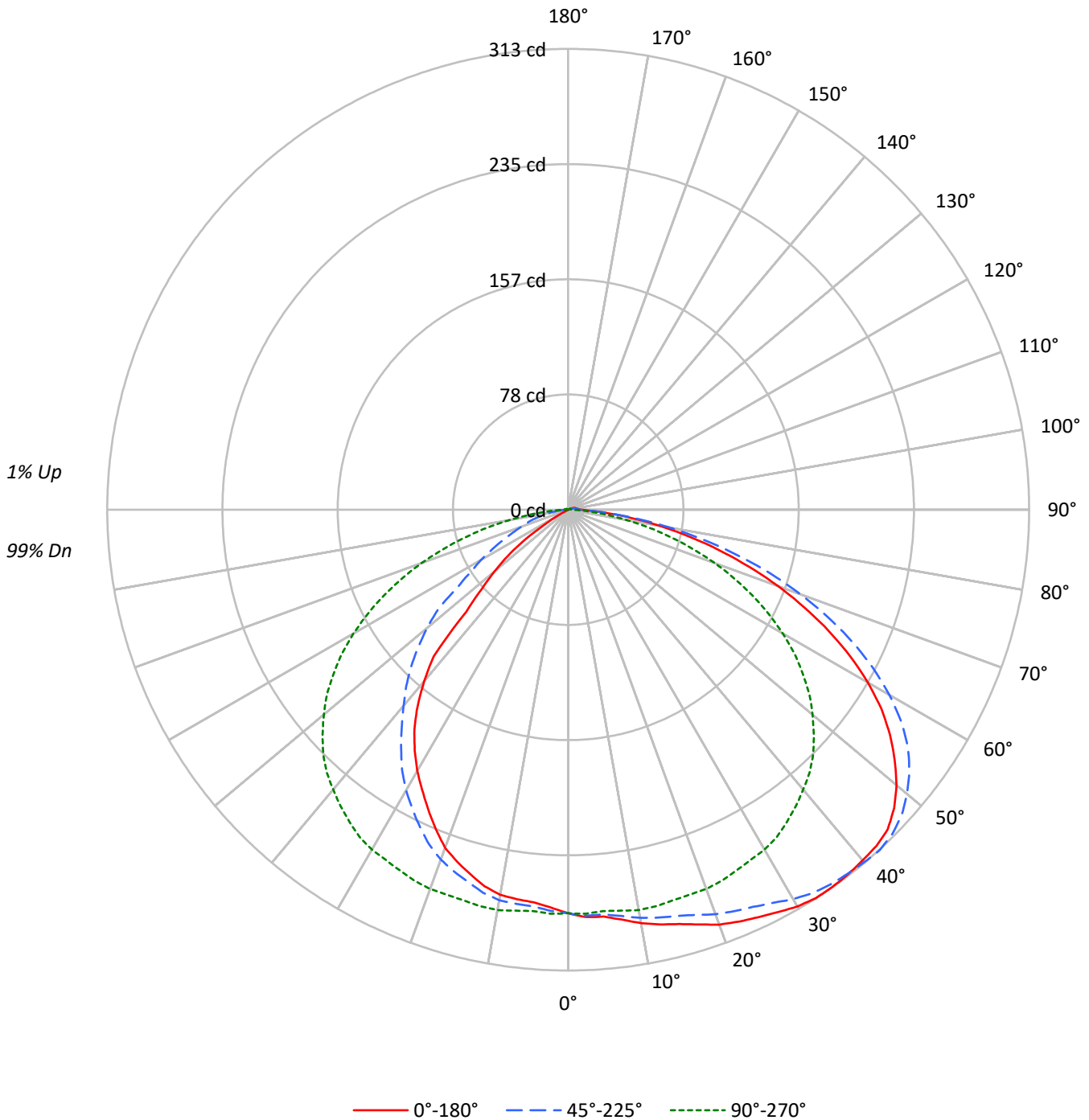
Lumens per Lamp: N/A
Luminaire Lumens: 938.8 lumens
Efficiency: N/A
Efficacy: 60.6 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.44 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
CIE Type: Direct

Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (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: 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°	18883	18883	18883
5°	19143	18876	18474
10°	19860	19224	18501
15°	20643	19453	18170
20°	21796	19901	17755
25°	22957	20301	16898
30°	24417	20886	16077
35°	25872	21374	15061
40°	27416	21832	13399
45°	29199	22319	9305
50°	30320	22499	6804
55°	30982	22492	4378
60°	31086	22165	1164
65°	30308	21309	31
70°	28628	19874	38
75°	25870	17454	49
80°	21964	13819	70
85°	16871	8420	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	2.8
10°-20°	77.6	8.3
20°-30°	123.7	13.2
30°-40°	158.8	16.9
40°-50°	173.5	18.5
50°-60°	160.3	17.1
60°-70°	122.4	13.0
70°-80°	70.4	7.5
80°-90°	19.3	2.1
90°-100°	3.8	0.4
100°-110°	2.3	0.2
110°-120°	0.7	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°	227.4	24.2
0°-40°	386.1	41.1
0°-60°	719.9	76.7
0°-90°	932.1	99.3
90°-120°	6.7	0.7
90°-150°	6.7	0.7
90°-180°	7.0	0.7
0°-180°	938.8	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	274	274	274	274	274	
5°	277	276	274	270	268	27
15°	291	286	275	262	256	83
25°	305	298	270	238	225	142
35°	313	311	259	198	182	196
45°	307	311	235	151	98	236
55°	267	282	194	91	38	238
65°	196	213	138	48	0	193
75°	106	119	72	23	0	112
85°	27	28	14	6	0	30
90°	8	7	2	2	0	5
95°	6	6	2	2	0	5
105°	4	3	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: P394902

CATALOG NUMBER: 303-A1-LEDB2-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
0°	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1
2.5°	277.0	274.0	272.5	274.3	272.9	275.9	274.9	274.3	274.3	276.3	276.1
5°	277.4	274.1	272.4	274.3	273.3	275.9	274.9	274.1	274.0	276.1	275.9
7.5°	280.8	277.2	275.4	277.5	276.3	278.8	277.5	276.8	276.7	278.8	278.3
10°	285.1	281.3	279.5	281.7	280.2	282.7	281.5	280.6	280.2	282.0	281.5
12.5°	288.5	284.5	283.1	285.1	283.4	285.8	284.7	283.3	283.1	284.5	283.8
15°	291.3	287.4	286.0	287.7	286.1	288.1	287.0	285.6	285.2	286.5	285.6
17.5°	295.3	291.3	289.7	291.9	290.2	291.3	290.2	289.0	288.8	289.7	288.5
20°	299.9	296.0	294.5	296.7	294.7	296.1	294.7	293.5	292.9	293.5	292.4
22.5°	302.8	299.0	298.1	300.3	298.3	299.4	298.3	296.9	296.5	296.9	295.1
25°	305.4	301.3	300.6	302.9	301.2	302.2	301.3	299.9	299.5	299.4	297.6
27.5°	308.1	304.0	303.5	306.0	304.4	305.4	304.7	303.7	303.1	302.8	301.0
30°	311.2	307.6	307.1	310.1	308.8	309.7	309.4	308.3	308.1	307.4	305.4
32.5°	312.8	309.6	309.6	312.6	312.1	313.1	313.0	312.1	311.7	311.0	308.7
35°	312.8	309.7	310.1	313.5	313.0	314.2	314.7	314.0	314.0	313.0	310.6
37.5°	312.1	309.6	310.3	313.7	313.3	314.7	315.8	315.3	315.5	314.4	311.7
40°	311.0	308.8	309.9	313.5	313.5	315.1	316.4	316.4	316.7	315.3	312.6
42.5°	309.7	307.8	309.2	312.8	313.0	314.6	317.1	317.1	317.4	316.0	313.3
45°	306.9	305.1	307.1	310.3	310.3	311.7	314.7	315.3	315.8	314.4	311.3
47.5°	300.1	298.6	301.0	304.4	305.3	306.7	310.3	310.8	311.7	310.1	307.1
50°	291.0	289.5	291.9	295.6	297.0	299.5	303.7	304.6	305.3	303.5	300.3
52.5°	279.5	278.8	280.9	284.9	287.2	289.7	294.2	296.0	297.2	295.8	292.0
55°	266.8	265.9	268.4	271.8	274.7	277.2	282.6	284.3	285.8	284.9	281.7
57.5°	252.2	251.4	253.9	257.0	260.0	262.3	268.2	270.2	271.6	270.9	268.2
60°	235.0	234.4	237.0	240.7	243.4	245.5	251.4	253.4	255.2	254.5	252.0
62.5°	216.0	215.7	218.2	221.0	224.4	226.4	232.3	234.4	236.2	235.0	233.6
65°	195.5	195.1	197.6	201.2	203.7	205.5	211.4	214.6	215.1	215.1	213.2
67.5°	173.6	173.5	175.8	179.0	181.5	183.1	188.5	191.7	192.4	192.6	191.0
70°	151.5	151.1	153.4	156.7	157.9	159.9	164.7	167.7	168.3	167.9	167.7
72.5°	128.6	128.4	130.4	132.7	134.8	136.1	140.4	142.9	143.2	143.4	143.8
75°	105.9	106.8	107.3	110.5	111.4	112.1	115.9	117.9	118.0	118.2	118.6
77.5°	83.9	83.7	85.1	88.0	88.3	88.9	91.7	93.2	93.4	93.5	93.7
80°	62.9	63.8	63.7	65.5	65.6	66.3	68.5	69.4	69.4	70.1	69.9
82.5°	43.6	44.5	44.2	45.6	45.6	45.8	47.2	47.6	47.4	47.9	47.9
85°	27.2	27.7	27.4	28.3	27.9	28.1	28.8	28.8	28.4	28.8	28.4
87.5°	14.8	15.0	14.7	15.6	15.4	14.8	15.0	14.7	14.3	14.3	13.9
90°	8.0	8.2	8.4	8.4	8.2	8.0	8.0	7.7	7.5	7.5	7.2
92.5°	7.2	7.2	7.3	7.3	7.3	7.2	7.2	7.0	6.8	6.6	6.4
95°	6.4	6.6	6.6	6.6	6.6	6.4	6.4	6.3	6.3	6.1	5.9
97.5°	5.9	6.1	6.1	6.1	6.1	5.9	5.9	5.7	5.7	5.5	5.4
100°	5.5	5.5	5.5	5.5	5.5	5.4	5.4	5.2	5.2	5.0	4.8
102.5°	5.0	5.0	5.0	5.0	5.0	4.8	4.8	4.6	4.5	4.5	4.1
105°	4.5	4.5	4.5	4.5	4.3	4.1	4.1	3.9	3.8	3.8	3.4
107.5°	3.9	3.9	3.9	3.9	3.8	3.6	3.4	3.2	3.0	2.9	2.7
110°	3.2	3.4	3.4	3.2	3.0	2.9	2.7	2.3	2.3	2.1	2.0



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CATALOG NUMBER: 303-A1-LEDB2-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
112.5°	2.7	2.7	2.7	2.5	2.3	2.1	2.0	1.6	1.6	1.4	1.3
115°	1.8	2.0	2.0	1.8	1.6	1.4	1.3	1.1	1.1	0.9	0.7
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°	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1
2.5°	274.5	275.4	275.4	274.9	274.7	274.9	274.5	275.4	274.7	273.3	274.1
5°	274.1	275.2	274.9	274.5	273.8	274.1	273.8	274.5	273.6	272.2	272.9
7.5°	276.5	277.7	276.8	276.7	275.6	275.9	275.4	275.8	274.7	273.3	273.8
10°	279.5	281.1	279.7	279.3	277.5	278.1	277.2	277.2	276.1	274.5	274.7
12.5°	281.7	283.3	281.3	280.8	278.6	279.0	277.5	277.2	275.9	274.0	274.0
15°	283.4	284.9	282.6	281.7	279.0	279.2	277.2	276.3	274.7	272.4	271.8
17.5°	286.1	287.6	284.7	283.6	280.1	279.9	277.5	275.9	274.1	271.5	270.4
20°	289.7	291.1	287.7	286.3	282.0	281.8	278.8	276.5	274.1	270.9	269.1
22.5°	292.2	293.6	289.7	288.1	283.1	282.4	279.0	275.8	272.7	269.1	266.3
25°	294.7	296.0	291.3	289.4	283.4	282.4	278.3	274.1	270.4	266.1	262.7
27.5°	297.9	298.8	293.5	291.1	284.3	282.9	277.7	272.5	268.2	262.9	258.6
30°	302.0	302.9	296.9	294.0	286.1	284.2	277.9	272.0	266.6	260.4	254.8
32.5°	305.3	305.6	299.2	295.8	286.8	284.2	277.2	269.7	263.6	256.4	249.6
35°	307.2	306.9	299.7	295.8	286.1	282.7	274.9	266.1	258.9	251.1	243.0
37.5°	308.1	307.6	299.9	295.4	284.7	280.4	271.5	261.8	253.8	244.6	235.2
40°	309.2	307.9	299.5	294.5	282.9	277.7	268.1	257.3	248.2	238.4	227.7
42.5°	309.6	307.9	298.8	293.3	280.6	274.9	264.1	252.3	242.5	231.8	220.1
45°	307.8	305.3	295.8	289.5	276.3	269.5	258.2	245.5	235.2	223.9	211.4
47.5°	302.9	299.7	290.2	283.3	269.5	262.3	250.5	237.0	226.2	214.6	201.5
50°	296.5	292.6	282.9	275.6	261.3	253.6	241.4	227.7	216.6	204.8	191.4
52.5°	288.3	284.0	273.8	266.1	251.6	243.6	231.2	217.3	206.6	194.2	180.6
55°	277.5	272.9	262.7	254.7	240.2	231.9	219.8	205.5	194.4	182.6	169.2
57.5°	265.2	259.3	249.3	240.7	226.6	218.4	206.4	192.6	182.2	170.2	157.0
60°	249.5	243.6	233.4	225.0	211.0	203.0	191.5	178.8	168.3	156.8	144.3
62.5°	231.2	225.7	215.9	206.4	194.2	186.0	175.3	163.5	153.6	142.7	131.1
65°	211.2	205.7	197.1	188.0	176.0	168.1	158.3	147.2	138.2	128.0	117.3
67.5°	189.2	184.0	176.1	167.6	156.5	150.2	140.4	130.2	122.0	113.0	103.4
70°	166.0	160.9	154.3	145.9	136.8	129.7	122.0	112.8	105.9	98.0	89.2
72.5°	141.6	137.2	131.3	124.1	115.3	110.5	103.0	95.1	88.7	82.1	74.9
75°	116.8	112.8	108.0	101.9	94.4	90.5	84.1	77.4	72.1	66.7	60.6
77.5°	92.3	89.1	85.1	81.2	74.0	70.6	65.6	60.3	56.2	51.7	47.0
80°	68.3	65.8	62.8	59.2	54.5	51.7	47.7	43.6	40.1	37.4	34.5
82.5°	46.1	44.4	42.2	39.7	36.5	34.2	31.5	28.4	26.1	24.5	22.5
85°	27.4	26.1	24.7	22.9	20.7	19.5	17.7	15.7	13.9	13.2	12.5
87.5°	13.8	12.5	11.6	11.1	9.3	8.6	7.5	6.4	5.9	5.4	5.4
90°	6.8	6.3	5.7	5.2	4.6	4.1	3.4	2.9	2.5	2.5	2.7
92.5°	6.1	5.7	5.2	4.8	4.3	3.6	3.0	2.3	2.3	2.3	2.3
95°	5.5	5.2	4.8	4.3	3.8	3.2	2.5	2.1	2.1	2.1	2.1
97.5°	5.2	4.6	4.3	3.8	3.2	2.7	2.3	2.1	2.0	2.0	2.0
100°	4.5	4.1	3.8	3.2	2.7	2.3	2.1	2.0	2.0	2.0	2.0
102.5°	3.9	3.6	3.2	2.7	2.1	2.1	2.0	1.8	1.8	1.8	1.8
105°	3.2	2.9	2.5	2.1	2.0	2.0	1.8	1.8	1.6	1.6	1.6
107.5°	2.5	2.1	1.8	1.8	1.8	1.8	1.6	1.4	1.4	1.4	1.4
110°	1.8	1.4	1.6	1.6	1.6	1.6	1.4	1.3	1.3	1.3	1.3



TEST NUMBER: P394902

CATALOG NUMBER: 303-A1-LEDB2-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
112.5°	1.1	1.1	1.3	1.3	1.4	1.4	1.3	1.1	1.1	1.1	1.1
115°	0.9	0.9	1.1	1.1	1.1	1.1	1.1	0.9	0.9	0.9	0.7
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: P394902

CATALOG NUMBER: 303-A1-LEDB2-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1
2.5°	273.3	276.1	274.0	272.9	274.0	273.1	272.7	274.9	272.0	270.9	270.4
5°	271.6	274.5	272.4	270.9	272.2	270.8	270.4	272.5	269.7	268.4	267.7
7.5°	272.4	275.0	272.7	271.1	272.4	270.4	270.0	271.8	269.1	267.7	267.2
10°	273.1	275.4	272.9	270.9	272.4	269.9	269.3	270.9	268.2	266.5	265.7
12.5°	272.0	273.8	271.1	268.8	270.2	267.0	266.5	267.5	264.9	262.9	262.2
15°	269.7	270.9	267.9	265.4	266.8	262.9	261.8	262.7	260.0	257.7	257.0
17.5°	267.7	268.6	265.0	262.2	263.2	258.8	257.7	258.1	255.2	252.5	251.4
20°	266.1	266.3	262.3	258.9	259.7	254.8	252.9	252.9	250.2	247.1	245.7
22.5°	262.5	261.8	257.9	253.8	253.9	248.6	246.3	245.7	242.5	239.1	237.8
25°	258.1	256.3	251.4	247.1	246.4	240.7	238.0	237.0	233.9	230.0	228.4
27.5°	253.0	250.2	244.8	239.8	238.6	232.1	229.1	227.5	224.3	220.0	218.5
30°	248.4	244.3	238.2	232.5	230.3	223.5	220.1	218.0	215.0	210.5	208.9
32.5°	242.1	236.8	229.6	223.2	220.5	213.3	209.8	207.1	204.0	199.8	198.7
35°	234.4	227.8	219.8	212.6	209.2	201.7	197.8	194.9	192.2	188.0	186.7
37.5°	226.0	218.2	209.2	201.5	197.3	189.6	185.6	182.6	180.1	176.1	174.7
40°	217.6	208.9	198.9	190.5	185.6	177.9	173.8	170.8	168.5	163.8	161.7
42.5°	209.2	199.4	188.5	179.5	174.4	166.7	162.7	159.5	155.8	150.6	147.5
45°	199.6	188.7	177.4	168.3	162.6	155.0	150.9	146.3	142.2	136.3	131.6
47.5°	189.2	177.6	166.0	156.7	150.8	143.2	137.9	132.2	127.1	119.5	103.4
50°	178.5	166.5	154.5	145.7	139.3	131.1	125.0	117.9	104.1	92.6	85.7
52.5°	167.4	155.2	143.4	134.8	127.7	118.9	111.6	94.6	85.3	78.1	72.1
55°	156.3	144.1	132.5	124.1	116.1	106.6	91.4	79.6	72.6	66.2	59.9
57.5°	144.7	132.7	121.4	112.8	103.9	88.5	78.1	68.3	61.9	54.5	47.4
60°	132.5	121.2	110.9	101.4	90.0	75.5	68.3	58.1	51.1	40.6	32.2
62.5°	120.2	109.6	99.3	90.1	76.7	65.5	58.1	47.9	37.6	30.0	22.2
65°	107.5	97.8	88.0	76.2	66.3	56.5	48.5	38.3	29.5	22.0	15.7
67.5°	94.6	85.8	77.4	66.0	57.4	48.6	40.4	31.3	23.8	18.6	13.8
70°	82.3	74.0	66.3	56.9	49.0	41.5	34.2	26.8	20.7	16.1	12.0
72.5°	68.7	62.2	55.4	47.6	41.1	34.9	28.8	22.7	17.5	13.8	10.2
75°	56.3	50.6	45.4	38.8	33.8	28.3	23.4	18.6	14.5	11.3	8.4
77.5°	43.8	39.3	35.4	30.2	25.9	22.2	18.4	14.5	11.4	8.9	6.6
80°	31.8	28.6	25.6	21.8	19.1	16.1	13.6	10.7	8.6	6.6	5.0
82.5°	21.1	18.8	16.8	14.5	12.7	10.9	9.3	7.5	5.9	4.6	3.6
85°	11.8	10.7	9.5	8.2	7.5	6.4	5.5	4.6	3.8	3.0	2.3
87.5°	5.4	5.0	4.6	4.3	3.8	3.4	3.0	2.7	2.3	2.0	1.6
90°	2.9	2.9	2.9	2.9	2.7	2.5	2.3	2.1	2.0	1.6	1.3
92.5°	2.5	2.5	2.7	2.7	2.5	2.3	2.1	2.0	1.8	1.4	1.3
95°	2.3	2.3	2.5	2.5	2.3	2.1	2.1	1.8	1.6	1.3	1.1
97.5°	2.1	2.1	2.1	2.1	2.1	2.0	2.0	1.6	1.4	1.3	0.9
100°	2.0	2.0	2.0	2.0	2.0	1.8	1.6	1.4	1.3	1.1	0.7
102.5°	1.8	1.6	1.8	1.8	1.8	1.6	1.4	1.3	1.1	0.9	0.7
105°	1.6	1.4	1.4	1.4	1.4	1.4	1.3	1.1	0.9	0.7	0.5
107.5°	1.4	1.3	1.3	1.3	1.1	1.1	1.1	0.9	0.7	0.5	0.5
110°	1.3	1.1	1.1	0.9	0.9	0.7	0.7	0.5	0.5	0.5	0.4



TEST NUMBER: P394902

CATALOG NUMBER: 303-A1-LEDB2-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
112.5°	1.1	0.9	0.9	0.7	0.5	0.5	0.5	0.4	0.4	0.4	0.4
115°	0.7	0.7	0.5	0.5	0.5	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: P394902

CATALOG NUMBER: 303-A1-LEDB2-2700-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	274.1	274.1	274.1	274.1	274.1
2.5°	271.6	272.9	270.2	271.6	270.4
5°	268.8	270.2	267.5	269.0	267.7
7.5°	268.1	269.3	266.6	268.1	266.8
10°	266.6	268.1	265.4	266.5	265.6
12.5°	262.9	264.5	261.5	262.7	262.0
15°	257.5	258.8	255.9	256.8	256.4
17.5°	251.4	253.0	250.0	250.5	250.7
20°	245.5	246.8	243.6	244.1	244.3
22.5°	237.0	238.2	234.8	235.2	234.8
25°	227.1	228.0	225.0	225.0	224.8
27.5°	217.1	218.0	214.8	214.6	214.6
30°	207.4	208.0	205.5	204.9	204.9
32.5°	196.7	197.1	194.9	194.0	193.9
35°	185.1	185.3	183.1	182.1	182.1
37.5°	172.9	171.9	169.2	167.9	167.9
40°	158.6	157.2	154.2	152.4	152.0
42.5°	143.4	141.1	137.9	135.7	135.2
45°	125.5	111.2	102.6	99.1	97.8
47.5°	92.1	86.9	82.8	80.5	79.6
50°	75.6	71.5	68.1	66.2	65.3
52.5°	62.9	58.7	55.8	52.9	51.9
55°	50.6	45.6	42.4	39.3	37.7
57.5°	34.0	27.0	23.2	20.2	20.2
60°	21.3	15.7	11.6	8.9	8.8
62.5°	12.5	6.8	2.7	0.7	0.4
65°	8.4	4.5	2.1	0.7	0.2
67.5°	7.5	4.1	2.0	0.7	0.2
70°	6.6	3.6	1.8	0.5	0.2
72.5°	5.7	3.2	1.6	0.5	0.4
75°	4.8	2.7	1.4	0.5	0.2
77.5°	3.9	2.3	1.3	0.5	0.2
80°	3.0	1.8	1.1	0.4	0.2
82.5°	2.3	1.4	0.9	0.4	0.4
85°	1.6	1.1	0.7	0.4	0.4
87.5°	1.3	0.9	0.5	0.4	0.4
90°	1.1	0.7	0.5	0.4	0.2
92.5°	0.9	0.7	0.5	0.4	0.4
95°	0.9	0.5	0.4	0.4	0.4
97.5°	0.7	0.5	0.4	0.4	0.4
100°	0.5	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: P394902

CATALOG NUMBER: 303-A1-LEDB2-2700-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)