

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: P394908

Luminaire Tested: **303-A1-LEDB2-3000-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-2019
Report Number: P394908
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-LEDB2-3000-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
ACCENT GROUND MOUNT, TWO LIGHTBARS, TYPE 4 WITH EDGE GLOW
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

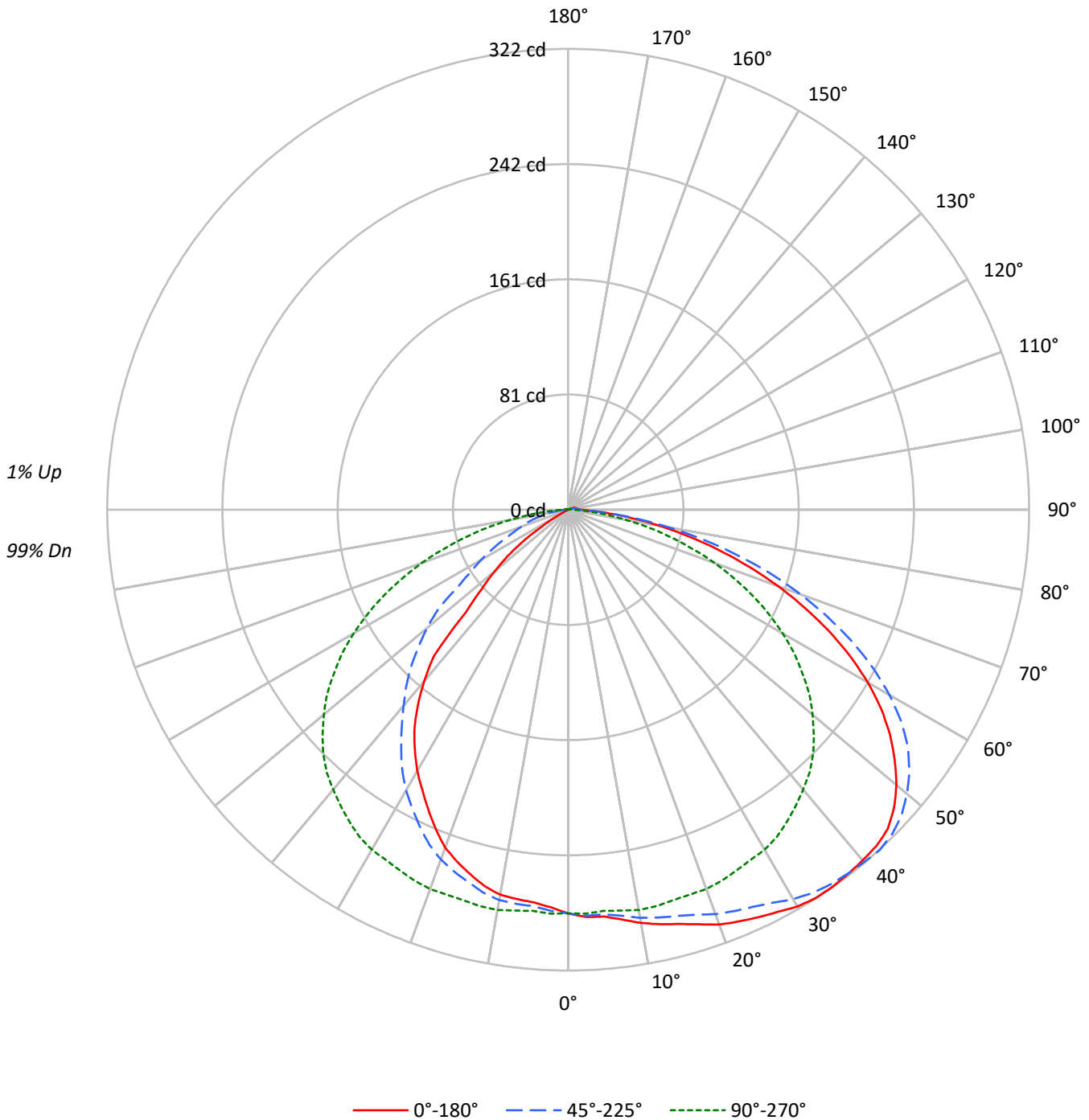
Lumens per Lamp: N/A
Luminaire Lumens: 965.6 lumens
Efficiency: N/A
Efficacy: 62.3 lumens/watt
Spacing Criteria (0/90/45): 1.39 / 1.44 / 1.55
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
CIE Type: Direct

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°	19427	19427	19427
5°	19688	19414	19005
10°	20424	19774	19031
15°	21231	20005	18694
20°	22421	20475	18264
25°	23619	20879	17379
30°	25115	21489	16539
35°	26608	21985	15491
40°	28201	22457	13787
45°	30027	22955	9571
50°	31185	23143	6991
55°	31865	23128	4506
60°	31972	22797	1191
65°	31161	21926	31
70°	29440	20437	38
75°	26603	17938	49
80°	22593	14198	70
85°	17368	8663	248



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	2.8
10°-20°	79.8	8.3
20°-30°	127.2	13.2
30°-40°	163.3	16.9
40°-50°	178.4	18.5
50°-60°	164.9	17.1
60°-70°	125.9	13.0
70°-80°	72.4	7.5
80°-90°	19.9	2.1
90°-100°	3.9	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°	233.9	24.2
0°-40°	397.2	41.1
0°-60°	740.5	76.7
0°-90°	958.7	99.3
90°-120°	6.9	0.7
90°-150°	6.9	0.7
90°-180°	7.0	0.7
0°-180°	965.6	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	282	282	282	282	282	
5°	285	284	281	278	275	28
15°	300	294	282	269	264	85
25°	314	306	278	245	231	146
35°	322	320	266	203	187	202
45°	316	320	242	155	101	242
55°	274	290	200	94	39	244
65°	201	219	142	50	0	198
75°	109	122	74	24	0	115
85°	28	29	14	6	0	31
90°	8	7	3	2	0	5
95°	7	6	2	2	0	5
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: P394908

CATALOG NUMBER: 303-A1-LEDB2-3000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
0°	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0
2.5°	284.9	281.8	280.3	282.2	280.7	283.8	282.7	282.2	282.2	284.2	284.0
5°	285.3	282.0	280.1	282.2	281.1	283.8	282.7	282.0	281.8	284.0	283.8
7.5°	288.8	285.1	283.3	285.5	284.2	286.8	285.5	284.7	284.6	286.8	286.2
10°	293.2	289.3	287.5	289.7	288.2	290.8	289.5	288.6	288.2	290.1	289.5
12.5°	296.7	292.7	291.2	293.2	291.5	293.9	292.8	291.4	291.2	292.7	291.9
15°	299.6	295.6	294.1	296.0	294.3	296.3	295.2	293.8	293.4	294.7	293.8
17.5°	303.7	299.6	298.0	300.2	298.5	299.6	298.5	297.2	297.1	298.0	296.7
20°	308.5	304.4	303.0	305.2	303.1	304.6	303.1	301.8	301.3	301.8	300.7
22.5°	311.4	307.6	306.6	308.8	306.8	307.9	306.8	305.3	305.0	305.3	303.5
25°	314.2	309.9	309.2	311.6	309.8	310.9	309.9	308.5	308.1	307.9	306.1
27.5°	316.9	312.7	312.1	314.7	313.1	314.2	313.4	312.3	311.8	311.4	309.6
30°	320.1	316.4	315.8	319.0	317.7	318.6	318.2	317.1	316.9	316.2	314.2
32.5°	321.7	318.4	318.4	321.5	321.0	322.1	321.9	321.0	320.6	319.9	317.5
35°	321.7	318.6	319.0	322.4	321.9	323.2	323.7	323.0	323.0	321.9	319.5
37.5°	321.0	318.4	319.1	322.6	322.3	323.7	324.8	324.3	324.5	323.4	320.6
40°	319.9	317.7	318.8	322.4	322.4	324.1	325.4	325.4	325.8	324.3	321.5
42.5°	318.6	316.6	318.0	321.7	321.9	323.6	326.1	326.1	326.5	325.0	322.3
45°	315.6	313.8	315.8	319.1	319.1	320.6	323.7	324.3	324.8	323.4	320.2
47.5°	308.7	307.2	309.6	313.1	314.0	315.5	319.1	319.7	320.6	319.0	315.8
50°	299.3	297.8	300.2	304.1	305.5	308.1	312.3	313.3	314.0	312.1	308.8
52.5°	287.5	286.8	289.0	293.0	295.4	298.0	302.6	304.4	305.7	304.2	300.4
55°	274.4	273.5	276.1	279.6	282.5	285.1	290.6	292.5	293.9	293.0	289.7
57.5°	259.4	258.6	261.2	264.3	267.5	269.8	275.9	277.9	279.4	278.7	275.9
60°	241.7	241.1	243.7	247.6	250.3	252.6	258.6	260.6	262.5	261.7	259.2
62.5°	222.2	221.8	224.4	227.4	230.8	232.9	238.9	241.1	243.0	241.7	240.2
65°	201.0	200.7	203.3	206.9	209.5	211.3	217.4	220.7	221.3	221.3	219.3
67.5°	178.6	178.4	180.8	184.1	186.7	188.4	193.9	197.2	197.9	198.1	196.4
70°	155.8	155.4	157.8	161.1	162.4	164.4	169.4	172.5	173.1	172.7	172.5
72.5°	132.3	132.1	134.1	136.5	138.7	140.0	144.4	147.0	147.3	147.5	147.9
75°	108.9	109.8	110.4	113.7	114.6	115.3	119.2	121.2	121.4	121.6	122.0
77.5°	86.3	86.1	87.6	90.5	90.9	91.4	94.4	95.8	96.0	96.2	96.4
80°	64.7	65.7	65.5	67.3	67.5	68.2	70.4	71.4	71.4	72.1	71.9
82.5°	44.9	45.8	45.4	46.9	46.9	47.1	48.6	48.9	48.7	49.3	49.3
85°	28.0	28.5	28.1	29.1	28.7	28.9	29.6	29.6	29.2	29.6	29.2
87.5°	15.3	15.5	15.1	16.0	15.8	15.3	15.5	15.1	14.7	14.7	14.3
90°	8.3	8.5	8.6	8.6	8.5	8.3	8.3	7.9	7.7	7.7	7.4
92.5°	7.4	7.4	7.5	7.5	7.5	7.4	7.4	7.2	7.0	6.8	6.6
95°	6.6	6.8	6.8	6.8	6.8	6.6	6.6	6.4	6.4	6.3	6.1
97.5°	6.1	6.3	6.3	6.3	6.3	6.1	6.1	5.9	5.9	5.7	5.5
100°	5.7	5.7	5.7	5.7	5.7	5.5	5.5	5.3	5.3	5.2	5.0
102.5°	5.2	5.2	5.2	5.2	5.2	5.0	5.0	4.8	4.6	4.6	4.2
105°	4.6	4.6	4.6	4.6	4.4	4.2	4.2	4.0	3.9	3.9	3.5
107.5°	4.0	4.0	4.0	4.0	3.9	3.7	3.5	3.3	3.1	2.9	2.8
110°	3.3	3.5	3.5	3.3	3.1	2.9	2.8	2.4	2.4	2.2	2.0



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CATALOG NUMBER: 303-A1-LEDB2-3000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	37°	40°	45°
112.5°	2.8	2.8	2.8	2.6	2.4	2.2	2.0	1.7	1.7	1.5	1.3
115°	1.8	2.0	2.0	1.8	1.7	1.5	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°	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0
2.5°	282.4	283.3	283.3	282.7	282.5	282.7	282.4	283.3	282.5	281.1	282.0
5°	282.0	283.1	282.7	282.4	281.6	282.0	281.6	282.4	281.4	280.0	280.7
7.5°	284.4	285.7	284.7	284.6	283.5	283.8	283.3	283.6	282.5	281.1	281.6
10°	287.5	289.2	287.7	287.3	285.5	286.0	285.1	285.1	284.0	282.4	282.5
12.5°	289.7	291.4	289.3	288.8	286.6	286.9	285.5	285.1	283.8	281.8	281.8
15°	291.5	293.0	290.6	289.7	286.9	287.1	285.1	284.2	282.5	280.1	279.6
17.5°	294.3	295.8	292.8	291.7	288.1	287.9	285.5	283.8	282.0	279.2	278.1
20°	298.0	299.5	296.0	294.5	290.1	289.9	286.8	284.4	282.0	278.7	276.8
22.5°	300.6	302.0	298.0	296.3	291.2	290.4	286.9	283.6	280.5	276.8	273.9
25°	303.1	304.4	299.6	297.6	291.5	290.4	286.2	282.0	278.1	273.7	270.2
27.5°	306.4	307.4	301.8	299.5	292.5	291.0	285.7	280.3	275.9	270.4	266.0
30°	310.7	311.6	305.3	302.4	294.3	292.3	285.8	279.8	274.3	267.8	262.1
32.5°	314.0	314.4	307.7	304.2	295.0	292.3	285.1	277.4	271.1	263.8	256.8
35°	316.0	315.6	308.3	304.2	294.3	290.8	282.7	273.7	266.3	258.3	250.0
37.5°	316.9	316.4	308.5	303.9	292.8	288.4	279.2	269.3	261.0	251.6	241.9
40°	318.0	316.7	308.1	303.0	291.0	285.7	275.7	264.7	255.3	245.2	234.2
42.5°	318.4	316.7	307.4	301.7	288.6	282.7	271.7	259.5	249.4	238.4	226.4
45°	316.6	314.0	304.2	297.8	284.2	277.2	265.6	252.6	241.9	230.3	217.4
47.5°	311.6	308.3	298.5	291.4	277.2	269.8	257.7	243.7	232.7	220.7	207.3
50°	305.0	300.9	291.0	283.5	268.7	260.8	248.3	234.2	222.8	210.6	196.8
52.5°	296.5	292.1	281.6	273.7	258.8	250.5	237.8	223.5	212.5	199.8	185.8
55°	285.5	280.7	270.2	261.9	247.0	238.6	226.1	211.3	199.9	187.8	174.0
57.5°	272.8	266.7	256.4	247.6	233.1	224.6	212.3	198.1	187.4	175.1	161.5
60°	256.6	250.5	240.0	231.4	217.1	208.8	197.0	183.9	173.1	161.3	148.4
62.5°	237.8	232.1	222.0	212.3	199.8	191.3	180.3	168.1	158.0	146.8	134.8
65°	217.2	211.5	202.7	193.3	181.0	172.9	162.8	151.4	142.2	131.7	120.7
67.5°	194.6	189.3	181.2	172.4	160.9	154.5	144.4	133.9	125.4	116.3	106.3
70°	170.7	165.5	158.7	150.1	140.7	133.4	125.4	116.1	108.9	100.8	91.8
72.5°	145.7	141.1	135.0	127.7	118.6	113.7	106.0	97.9	91.2	84.4	77.1
75°	120.1	116.1	111.1	104.8	97.1	93.1	86.5	79.6	74.1	68.6	62.4
77.5°	94.9	91.6	87.6	83.5	76.2	72.7	67.5	62.0	57.8	53.2	48.4
80°	70.3	67.7	64.6	60.9	56.1	53.2	49.1	44.9	41.2	38.4	35.5
82.5°	47.5	45.6	43.4	40.8	37.5	35.1	32.4	29.2	26.9	25.2	23.2
85°	28.1	26.9	25.4	23.5	21.3	20.0	18.2	16.2	14.3	13.6	12.9
87.5°	14.2	12.9	12.0	11.4	9.6	8.8	7.7	6.6	6.1	5.5	5.5
90°	7.0	6.4	5.9	5.3	4.8	4.2	3.5	2.9	2.6	2.6	2.8
92.5°	6.3	5.9	5.3	5.0	4.4	3.7	3.1	2.4	2.4	2.4	2.4
95°	5.7	5.3	5.0	4.4	3.9	3.3	2.6	2.2	2.2	2.2	2.2
97.5°	5.3	4.8	4.4	3.9	3.3	2.8	2.4	2.2	2.0	2.0	2.0
100°	4.6	4.2	3.9	3.3	2.8	2.4	2.2	2.0	2.0	2.0	2.0
102.5°	4.0	3.7	3.3	2.8	2.2	2.2	2.0	1.8	1.8	1.8	1.8
105°	3.3	2.9	2.6	2.2	2.0	2.0	1.8	1.8	1.7	1.7	1.7
107.5°	2.6	2.2	1.8	1.8	1.8	1.8	1.7	1.5	1.5	1.5	1.5
110°	1.8	1.5	1.7	1.7	1.7	1.7	1.5	1.3	1.3	1.3	1.3



TEST NUMBER: P394908

CATALOG NUMBER: 303-A1-LEDB2-3000-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	1.5	1.5	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: P394908

CATALOG NUMBER: 303-A1-LEDB2-3000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0	282.0
2.5°	281.1	284.0	281.8	280.7	281.8	280.9	280.5	282.7	279.8	278.7	278.1
5°	279.4	282.4	280.1	278.7	280.0	278.5	278.1	280.3	277.4	276.1	275.4
7.5°	280.1	282.9	280.5	278.9	280.1	278.1	277.8	279.6	276.8	275.4	274.8
10°	280.9	283.3	280.7	278.7	280.1	277.6	277.0	278.7	275.9	274.1	273.3
12.5°	279.8	281.6	278.9	276.5	277.9	274.6	274.1	275.2	272.4	270.4	269.7
15°	277.4	278.7	275.5	273.0	274.4	270.4	269.3	270.2	267.5	265.1	264.3
17.5°	275.4	276.3	272.6	269.7	270.8	266.2	265.1	265.4	262.5	259.7	258.6
20°	273.7	273.9	269.8	266.3	267.1	262.1	260.1	260.1	257.3	254.2	252.7
22.5°	270.0	269.3	265.2	261.0	261.2	255.7	253.3	252.7	249.4	245.9	244.6
25°	265.4	263.6	258.6	254.2	253.5	247.6	244.8	243.7	240.6	236.5	234.9
27.5°	260.3	257.3	251.8	246.7	245.4	238.8	235.6	234.0	230.7	226.2	224.8
30°	255.5	251.3	245.0	239.1	236.9	229.9	226.4	224.2	221.1	216.5	214.8
32.5°	249.1	243.5	236.2	229.6	226.8	219.4	215.8	213.0	209.9	205.5	204.4
35°	241.1	234.3	226.1	218.7	215.2	207.5	203.4	200.5	197.7	193.3	192.0
37.5°	232.5	224.4	215.2	207.3	202.9	195.0	190.9	187.8	185.2	181.2	179.7
40°	223.9	214.8	204.5	195.9	190.9	183.0	178.8	175.7	173.3	168.5	166.3
42.5°	215.2	205.1	193.9	184.7	179.3	171.4	167.4	164.1	160.2	154.9	151.8
45°	205.3	194.1	182.5	173.1	167.2	159.5	155.2	150.5	146.2	140.2	135.4
47.5°	194.6	182.7	170.7	161.1	155.1	147.3	141.8	135.9	130.8	122.9	106.3
50°	183.6	171.2	158.9	149.9	143.3	134.8	128.6	121.2	107.1	95.3	88.1
52.5°	172.2	159.7	147.5	138.7	131.3	122.3	114.8	97.3	87.7	80.4	74.1
55°	160.8	148.3	136.3	127.7	119.4	109.6	94.0	81.9	74.7	68.1	61.6
57.5°	148.8	136.5	124.9	116.1	106.9	91.1	80.4	70.3	63.6	56.1	48.7
60°	136.3	124.7	114.0	104.3	92.5	77.6	70.3	59.8	52.6	41.8	33.1
62.5°	123.6	112.8	102.1	92.7	78.9	67.3	59.8	49.3	38.6	30.9	22.8
65°	110.5	100.6	90.5	78.4	68.2	58.1	49.8	39.4	30.4	22.6	16.2
67.5°	97.3	88.3	79.6	67.9	59.0	50.0	41.6	32.2	24.5	19.1	14.2
70°	84.6	76.2	68.2	58.5	50.4	42.7	35.1	27.6	21.3	16.6	12.3
72.5°	70.6	64.0	57.0	48.9	42.3	35.9	29.6	23.4	18.0	14.2	10.5
75°	57.9	52.1	46.7	39.9	34.8	29.1	24.1	19.1	14.9	11.6	8.6
77.5°	45.1	40.5	36.4	31.1	26.7	22.8	18.9	14.9	11.8	9.2	6.8
80°	32.7	29.4	26.3	22.4	19.7	16.6	14.0	11.0	8.8	6.8	5.2
82.5°	21.7	19.3	17.3	14.9	13.1	11.2	9.6	7.7	6.1	4.8	3.7
85°	12.1	11.0	9.7	8.5	7.7	6.6	5.7	4.8	3.9	3.1	2.4
87.5°	5.5	5.2	4.8	4.4	3.9	3.5	3.1	2.8	2.4	2.0	1.7
90°	2.9	2.9	2.9	2.9	2.8	2.6	2.4	2.2	2.0	1.7	1.3
92.5°	2.6	2.6	2.8	2.8	2.6	2.4	2.2	2.0	1.8	1.5	1.3
95°	2.4	2.4	2.6	2.6	2.4	2.2	2.2	1.8	1.7	1.3	1.1
97.5°	2.2	2.2	2.2	2.2	2.2	2.0	2.0	1.7	1.5	1.3	0.9
100°	2.0	2.0	2.0	2.0	2.0	1.8	1.7	1.5	1.3	1.1	0.7
102.5°	1.8	1.7	1.8	1.8	1.8	1.7	1.5	1.3	1.1	0.9	0.7
105°	1.7	1.5	1.5	1.5	1.5	1.5	1.3	1.1	0.9	0.7	0.6
107.5°	1.5	1.3	1.3	1.3	1.1	1.1	1.1	0.9	0.7	0.6	0.6
110°	1.3	1.1	1.1	0.9	0.9	0.7	0.7	0.6	0.6	0.6	0.4



TEST NUMBER: P394908

CATALOG NUMBER: 303-A1-LEDB2-3000-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	0.6	0.6	0.6	0.4	0.4	0.4	0.4
115°	0.7	0.7	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: P394908

CATALOG NUMBER: 303-A1-LEDB2-3000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	282.0	282.0	282.0	282.0	282.0
2.5°	279.4	280.7	277.9	279.4	278.1
5°	276.5	277.9	275.2	276.6	275.4
7.5°	275.7	277.0	274.3	275.7	274.4
10°	274.3	275.7	273.0	274.1	273.2
12.5°	270.4	272.0	268.9	270.2	269.5
15°	264.9	266.2	263.2	264.1	263.8
17.5°	258.6	260.3	257.2	257.7	257.9
20°	252.6	253.8	250.5	251.1	251.3
22.5°	243.7	245.0	241.5	241.9	241.5
25°	233.6	234.5	231.4	231.4	231.2
27.5°	223.3	224.2	220.9	220.7	220.7
30°	213.4	213.9	211.3	210.8	210.8
32.5°	202.3	202.7	200.5	199.6	199.4
35°	190.4	190.6	188.4	187.3	187.3
37.5°	177.9	176.8	174.0	172.7	172.7
40°	163.2	161.7	158.6	156.7	156.4
42.5°	147.5	145.1	141.8	139.6	139.1
45°	129.1	114.4	105.6	101.9	100.6
47.5°	94.7	89.4	85.2	82.8	81.9
50°	77.8	73.6	70.1	68.1	67.1
52.5°	64.7	60.3	57.4	54.4	53.3
55°	52.1	46.9	43.6	40.5	38.8
57.5°	34.9	27.8	23.9	20.8	20.8
60°	21.9	16.2	12.0	9.2	9.0
62.5°	12.9	7.0	2.8	0.7	0.4
65°	8.6	4.6	2.2	0.7	0.2
67.5°	7.7	4.2	2.0	0.7	0.2
70°	6.8	3.7	1.8	0.6	0.2
72.5°	5.9	3.3	1.7	0.6	0.4
75°	5.0	2.8	1.5	0.6	0.2
77.5°	4.0	2.4	1.3	0.6	0.2
80°	3.1	1.8	1.1	0.4	0.2
82.5°	2.4	1.5	0.9	0.4	0.4
85°	1.7	1.1	0.7	0.4	0.4
87.5°	1.3	0.9	0.6	0.4	0.4
90°	1.1	0.7	0.6	0.4	0.2
92.5°	0.9	0.7	0.6	0.4	0.4
95°	0.9	0.6	0.4	0.4	0.4
97.5°	0.7	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: P394908

CATALOG NUMBER: 303-A1-LEDB2-3000-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)