

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P394718

Luminaire Tested: **303-B1-LEDB1-4000-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394718
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB1-4000-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 2 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 660.7 lumens
Efficiency: N/A
Efficacy: 79.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
IES Classification: Type II - Short
BUG Rating: B0 - U1 - G0

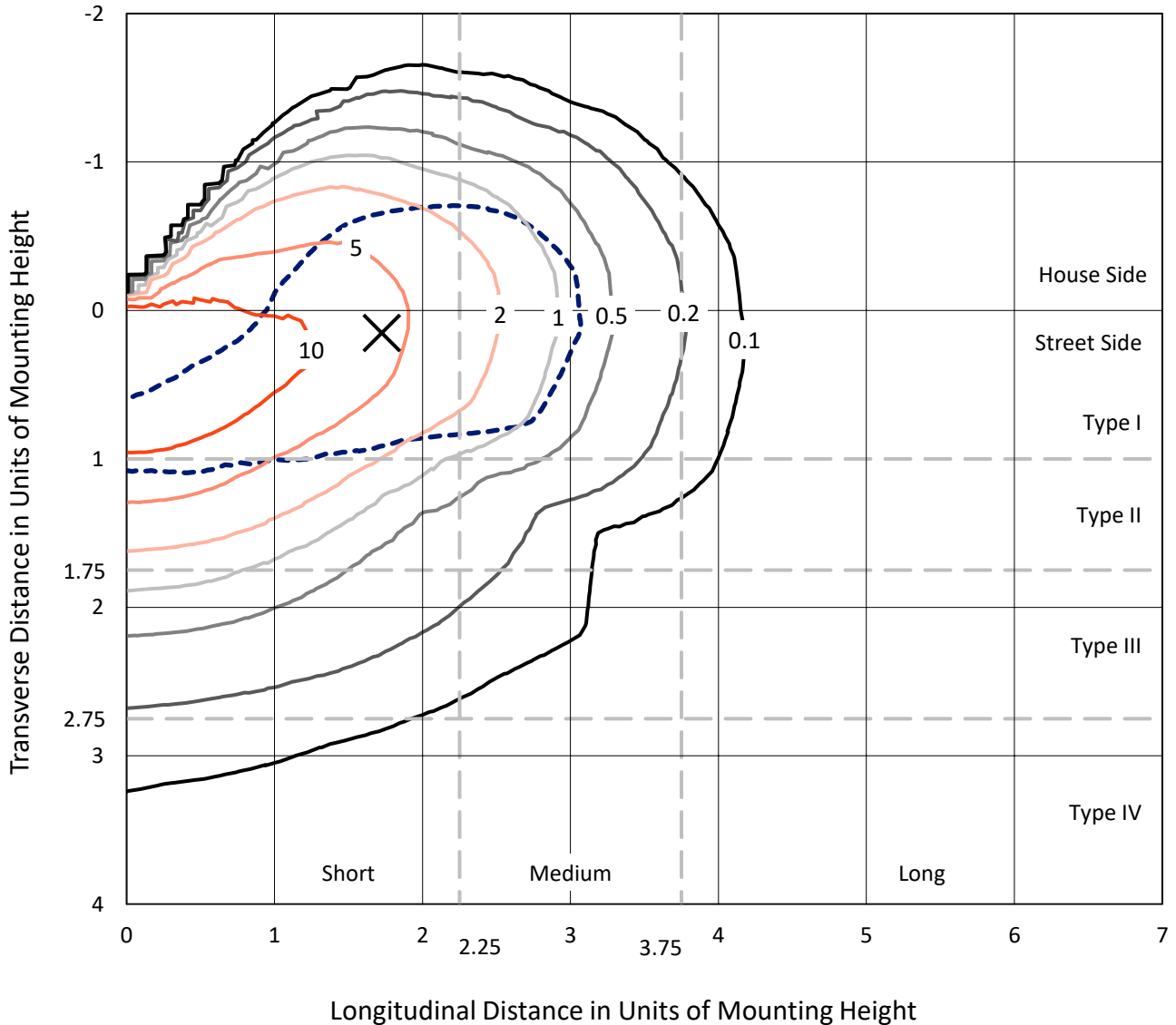
Input Watts (W): 8.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P394718
 CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10-EDGE

Iso-Footcandle Lines of Horizontal Illumination

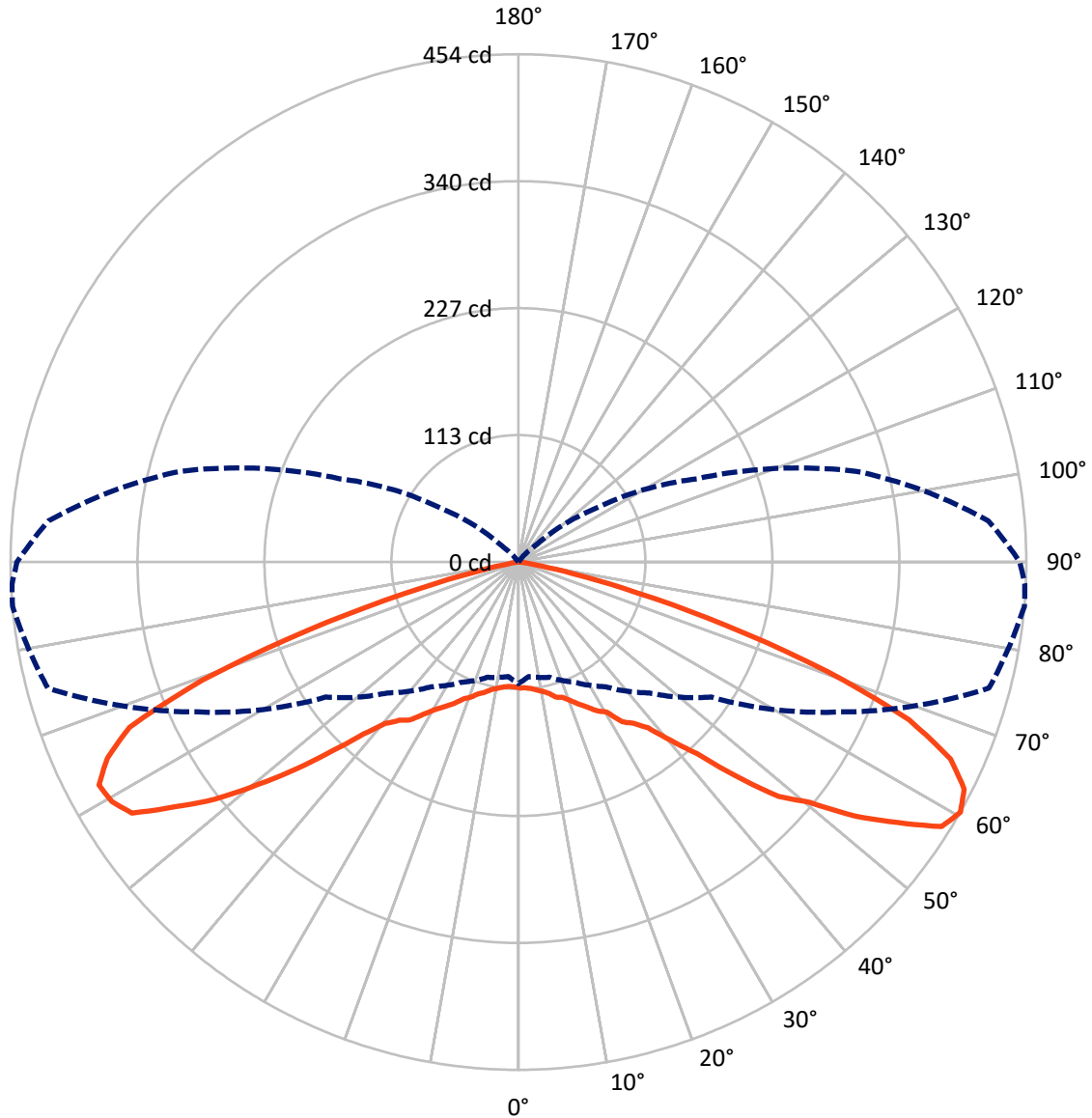
✕ Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 17.9 fc
 Type II - Short - N/A

REPORT NUMBER: P394718
CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10-EDGE

Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P394718

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10-EDGE

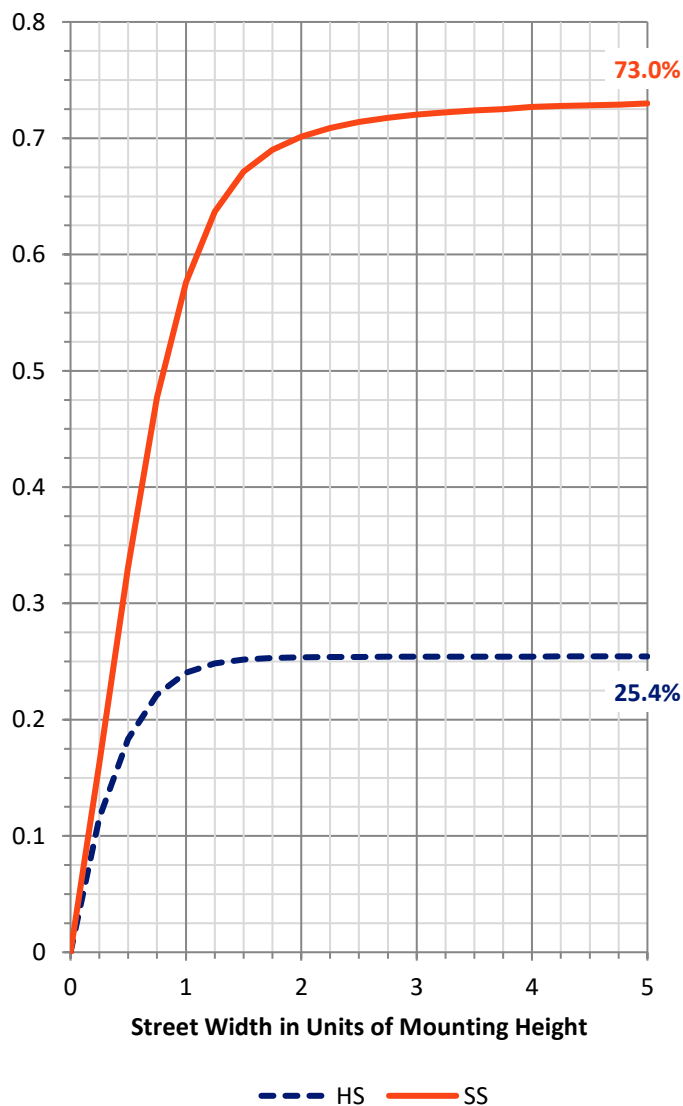
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	169.3	0.0	169.3
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	484.3	7.1	491.4
	% Fixture	73.3	1.1	74.4
Total	Lumens	653.6	7.1	660.7
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	1.4
10°-20°	27.5	4.2
20°-30°	53.5	8.1
30°-40°	90.5	13.7
40°-50°	130.8	19.8
50°-60°	163.9	24.8
60°-70°	129.6	19.6
70°-80°	42.4	6.4
80°-90°	6.1	0.9
90°-100°	2.9	0.4
100°-110°	2.0	0.3
110°-120°	1.2	0.2
120°-130°	0.7	0.1
130°-140°	0.3	0.0
140°-150°	0.1	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	653.6	98.9
0°-180°	660.7	100.0

Coefficient of Utilization



REPORT NUMBER: P394718

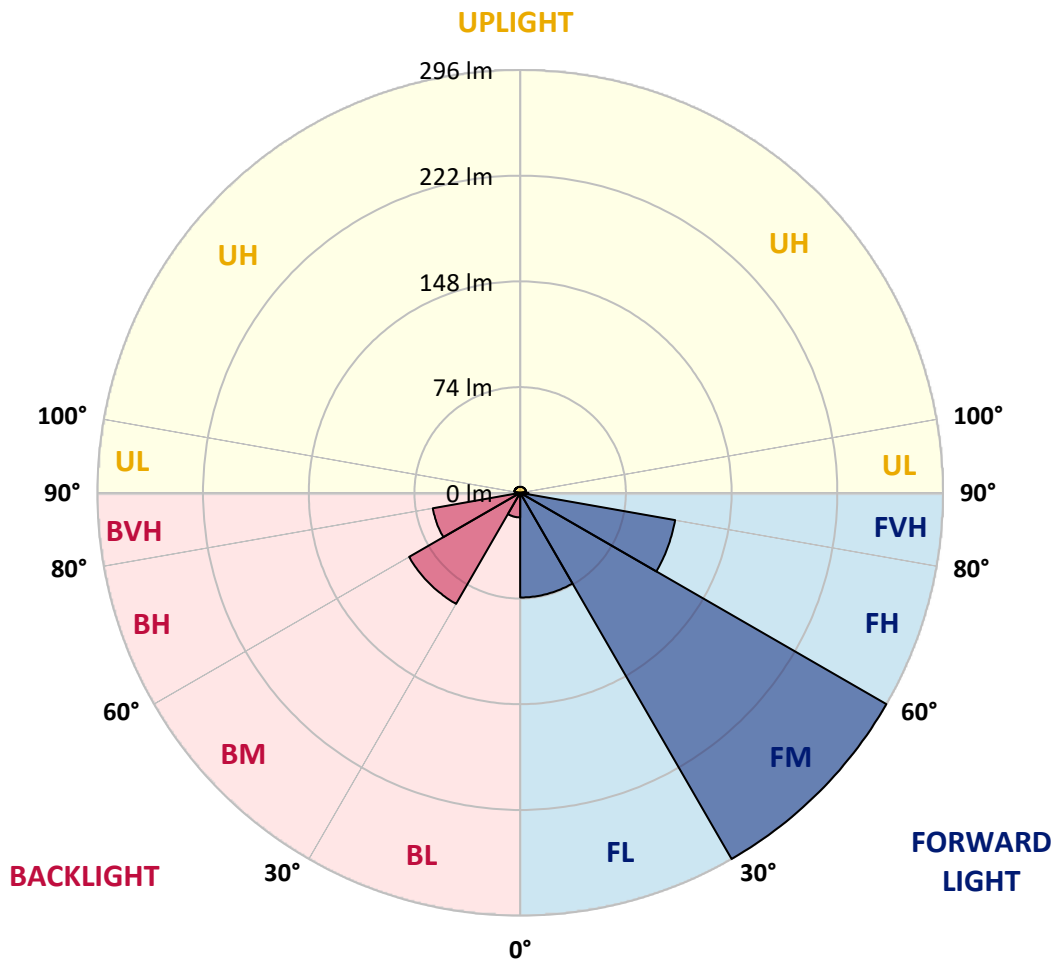
CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	73.2	11.1			
FM (30°-60°)	295.5	44.7			
FH (60°-80°)	110.0	16.6			G0/660
FVH (80°-90°)	5.7	0.9			G0/10
BL (0°-30°)	17.2	2.6	B0/110		
BM (30°-60°)	89.6	13.6	B0/220		
BH (60°-80°)	62.0	9.4	B0/110		G0/110
BVH (80°-90°)	0.4	0.1			G0/10
UL (90°-100°)	2.9	0.4		U1/10	
UH (100°-180°)	4.2	0.6		U1/10	

BUG Rating: B0-U1-G0

Type II Short





REPORT NUMBER: P394718

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
0°	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5
2.5°	175.1	173.1	170.2	167.3	163.3	158.5	149.6	134.0	119.3	112.5	112.5
5°	168.2	171.2	174.1	177.0	180.0	175.1	167.3	150.6	135.0	113.5	112.5
7.5°	164.3	169.2	165.3	164.3	160.4	157.5	164.3	151.6	136.9	115.4	114.4
10°	167.3	169.2	170.2	168.2	168.2	160.4	150.6	151.6	136.9	117.4	115.4
12.5°	160.4	161.4	164.3	164.3	165.3	166.3	157.5	143.8	140.8	120.3	117.4
15°	162.4	164.3	161.4	164.3	162.4	163.3	163.3	142.8	140.8	125.2	119.3
17.5°	166.3	170.2	172.1	169.2	163.3	162.4	165.3	154.5	139.9	127.2	125.2
20°	181.9	181.9	182.9	180.9	178.0	169.2	165.3	161.4	142.8	132.0	131.1
22.5°	191.7	191.7	193.7	191.7	188.8	185.8	172.1	165.3	142.8	137.9	135.0
25°	203.4	203.4	205.4	206.4	199.5	196.6	186.8	173.1	156.5	143.8	141.8
27.5°	216.2	217.1	218.1	219.1	218.1	215.2	201.5	186.8	163.3	150.6	148.7
30°	227.9	226.9	233.8	232.8	232.8	227.9	219.1	200.5	175.1	155.5	156.5
32.5°	232.8	235.7	240.6	245.5	247.5	243.5	236.7	220.1	190.7	170.2	161.4
35°	240.6	237.7	249.4	253.3	251.4	256.3	252.4	234.7	207.4	177.0	174.1
37.5°	241.6	244.5	249.4	257.2	253.3	267.0	266.0	249.4	224.0	187.8	182.9
40°	242.6	243.5	250.4	255.3	265.1	273.9	280.7	266.0	247.5	209.3	197.6
42.5°	240.6	240.6	247.5	252.4	262.1	276.8	286.6	288.5	271.9	233.8	221.1
45°	235.7	238.7	239.6	245.5	257.2	277.8	293.4	304.2	300.3	272.9	257.2
47.5°	225.9	224.0	230.8	241.6	250.4	270.9	295.4	320.8	334.5	313.0	301.3
50°	212.2	214.2	218.1	227.9	233.8	260.2	294.4	335.5	366.8	337.4	331.6
52.5°	194.6	196.6	201.5	213.2	219.1	248.4	294.4	358.0	401.0	377.5	367.8
55°	174.1	162.4	174.1	187.8	200.5	225.0	282.7	359.0	428.4	410.8	404.9
57.5°	133.0	131.1	136.0	154.5	173.1	197.6	255.3	347.2	441.1	446.0	437.2
60°	108.6	102.7	106.6	118.4	136.0	165.3	210.3	316.9	435.3	453.8	452.9
62.5°	83.1	83.1	87.1	90.0	101.7	128.1	166.3	263.1	404.0	447.0	450.9
65°	65.5	64.6	67.5	71.4	77.3	87.1	117.4	207.4	362.9	424.5	430.4
67.5°	49.9	49.9	51.8	55.8	60.6	64.6	76.3	141.8	317.9	376.6	384.4
70°	40.1	39.1	40.1	45.0	53.8	58.7	58.7	91.0	252.4	292.5	309.1
72.5°	36.2	34.2	34.2	35.2	42.1	53.8	61.6	55.8	158.5	193.7	204.4
75°	28.4	26.4	27.4	28.4	32.3	38.1	54.8	36.2	88.0	108.6	113.5
77.5°	18.6	18.6	18.6	18.6	20.5	24.5	40.1	33.3	50.9	48.9	46.9
80°	14.7	14.7	14.7	14.7	13.7	15.6	21.5	36.2	34.2	13.7	10.8
82.5°	12.7	12.7	12.7	11.7	11.7	10.8	12.7	25.4	21.5	6.8	5.9
85°	10.8	10.8	10.8	10.8	9.8	8.8	7.8	9.8	6.8	2.9	2.0
87.5°	9.8	9.8	9.8	8.8	8.8	6.8	5.9	3.9	2.9	1.0	1.0
90°	9.8	8.8	8.8	8.8	7.8	6.8	4.9	3.9	2.0	1.0	0.0
92.5°	8.8	8.8	8.8	7.8	7.8	5.9	4.9	3.9	2.0	0.0	0.0
95°	8.8	8.8	7.8	7.8	6.8	5.9	4.9	2.9	2.0	0.0	0.0
97.5°	7.8	7.8	7.8	7.8	6.8	5.9	4.9	2.9	2.0	0.0	0.0
100°	6.8	6.8	6.8	6.8	5.9	4.9	3.9	2.9	2.0	0.0	0.0
102.5°	6.8	6.8	6.8	5.9	5.9	4.9	3.9	2.9	1.0	0.0	0.0
105°	5.9	5.9	5.9	5.9	4.9	3.9	2.9	2.0	1.0	0.0	0.0
107.5°	4.9	4.9	4.9	4.9	4.9	3.9	2.9	2.0	1.0	0.0	0.0
110°	4.9	4.9	4.9	4.9	3.9	2.9	2.9	2.0	1.0	0.0	0.0



REPORT NUMBER: P394718

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
112.5°	3.9	3.9	3.9	3.9	3.9	2.9	2.0	2.0	1.0	0.0	0.0
115°	3.9	3.9	3.9	2.9	2.9	2.9	2.0	2.0	1.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	1.0	1.0	0.0	0.0
120°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	1.0	1.0	0.0	0.0
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0
130°	1.0	1.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	1.0	1.0	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



REPORT NUMBER: P394718

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5	112.5
2.5°	111.5	111.5	110.5	103.7	66.5	51.8	47.9	45.0	43.0	38.1	38.1
5°	108.6	111.5	95.9	63.6	39.1	15.6	1.0	0.0	0.0	0.0	0.0
7.5°	111.5	112.5	89.0	60.6	35.2	14.7	1.0	0.0	0.0	0.0	0.0
10°	115.4	114.4	91.0	61.6	37.2	14.7	1.0	0.0	0.0	0.0	0.0
12.5°	115.4	116.4	91.9	61.6	40.1	14.7	1.0	0.0	0.0	0.0	0.0
15°	121.3	120.3	93.9	62.6	41.1	14.7	1.0	0.0	0.0	0.0	0.0
17.5°	125.2	123.2	96.8	64.6	41.1	14.7	1.0	0.0	0.0	0.0	0.0
20°	129.1	128.1	95.9	67.5	42.1	15.6	1.0	0.0	0.0	0.0	0.0
22.5°	135.0	132.0	101.7	69.4	44.0	15.6	1.0	0.0	0.0	0.0	0.0
25°	139.9	138.9	103.7	72.4	43.0	16.6	1.0	0.0	0.0	0.0	0.0
27.5°	143.8	144.8	113.5	76.3	50.9	17.6	0.0	0.0	0.0	0.0	0.0
30°	153.6	151.6	120.3	80.2	53.8	18.6	0.0	0.0	0.0	0.0	0.0
32.5°	161.4	160.4	126.2	86.1	57.7	19.6	0.0	0.0	0.0	0.0	0.0
35°	172.1	171.2	135.0	91.0	61.6	19.6	0.0	0.0	0.0	0.0	0.0
37.5°	180.0	177.0	141.8	97.8	65.5	21.5	0.0	0.0	0.0	0.0	0.0
40°	193.7	186.8	148.7	101.7	58.7	11.7	0.0	0.0	0.0	0.0	0.0
42.5°	216.2	206.4	158.5	107.6	71.4	22.5	0.0	0.0	0.0	0.0	0.0
45°	243.5	235.7	172.1	113.5	63.6	23.5	0.0	0.0	0.0	0.0	0.0
47.5°	281.7	270.9	190.7	118.4	75.3	23.5	0.0	0.0	0.0	0.0	0.0
50°	323.8	306.1	220.1	127.2	79.2	22.5	0.0	0.0	0.0	0.0	0.0
52.5°	361.9	344.3	253.3	144.8	83.1	21.5	0.0	0.0	0.0	0.0	0.0
55°	395.2	376.6	286.6	158.5	84.1	20.5	0.0	0.0	0.0	0.0	0.0
57.5°	424.5	411.8	312.0	179.0	86.1	18.6	0.0	0.0	0.0	0.0	0.0
60°	448.0	421.6	313.0	176.1	82.2	17.6	0.0	0.0	0.0	0.0	0.0
62.5°	449.9	424.5	305.2	162.4	72.4	14.7	0.0	0.0	0.0	0.0	0.0
65°	420.6	406.9	286.6	136.9	56.7	10.8	0.0	0.0	0.0	0.0	0.0
67.5°	387.3	377.5	256.3	107.6	40.1	7.8	0.0	0.0	0.0	0.0	0.0
70°	310.1	301.3	204.4	75.3	23.5	3.9	0.0	0.0	0.0	0.0	0.0
72.5°	199.5	197.6	128.1	43.0	10.8	2.0	0.0	0.0	0.0	0.0	0.0
75°	109.5	105.6	58.7	18.6	4.9	1.0	0.0	0.0	0.0	0.0	0.0
77.5°	41.1	38.1	20.5	7.8	2.9	1.0	0.0	0.0	0.0	0.0	0.0
80°	10.8	9.8	7.8	4.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	4.9	4.9	3.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	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
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P394718

CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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

(END OF REPORT)