

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: P394721

Luminaire Tested: **303-B1-LEDB2-TSAM-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394721
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-LEDB2-TSAM-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 2 WITH EDGE GLOW
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 404.1 lumens
Efficiency: N/A
Efficacy: 33.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
IES Classification: Type II - Short
BUG Rating: B0 - U1 - G0

Input Watts (W): 12.1
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

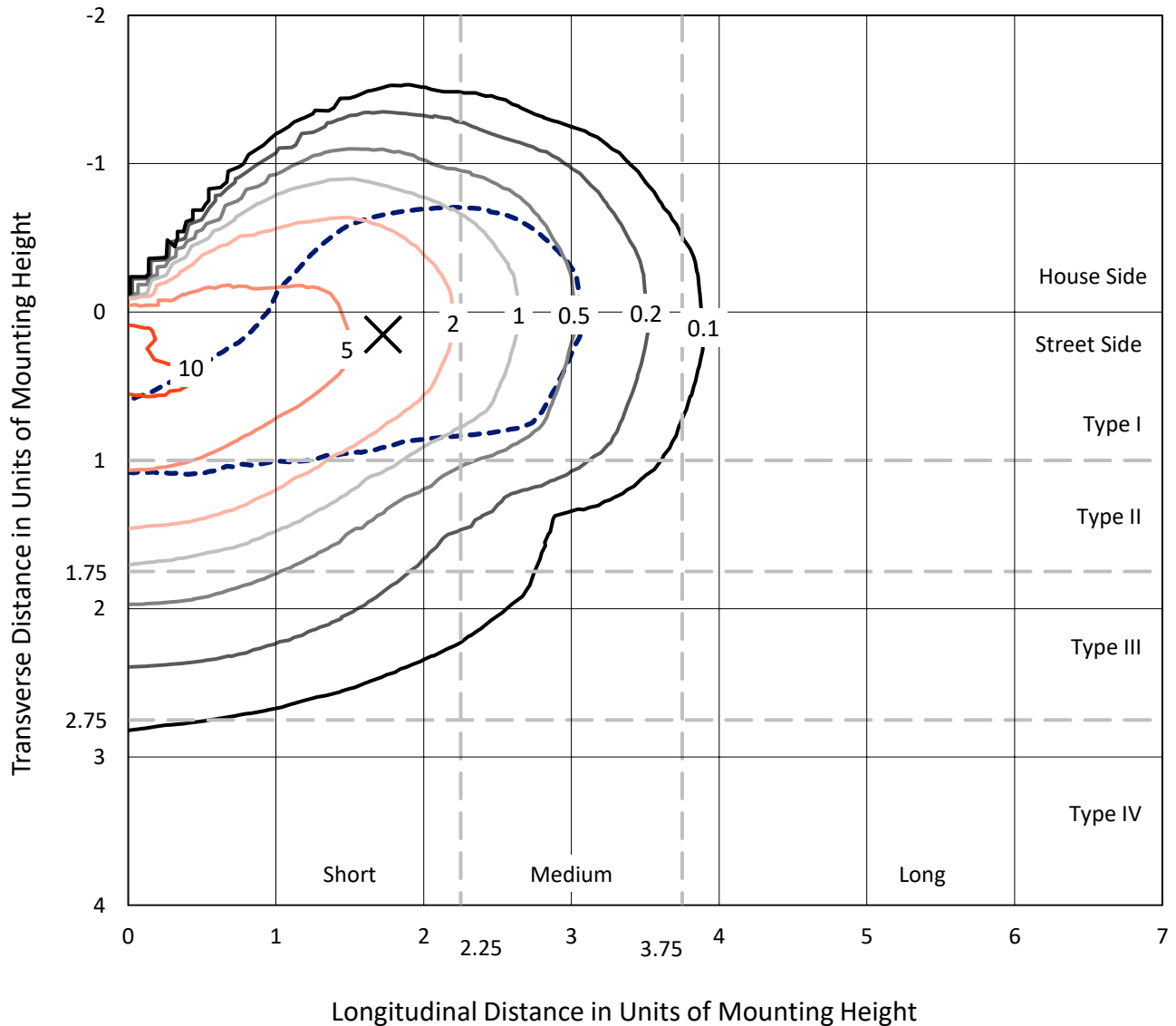


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Iso-Footcandle Lines of Horizontal Illumination

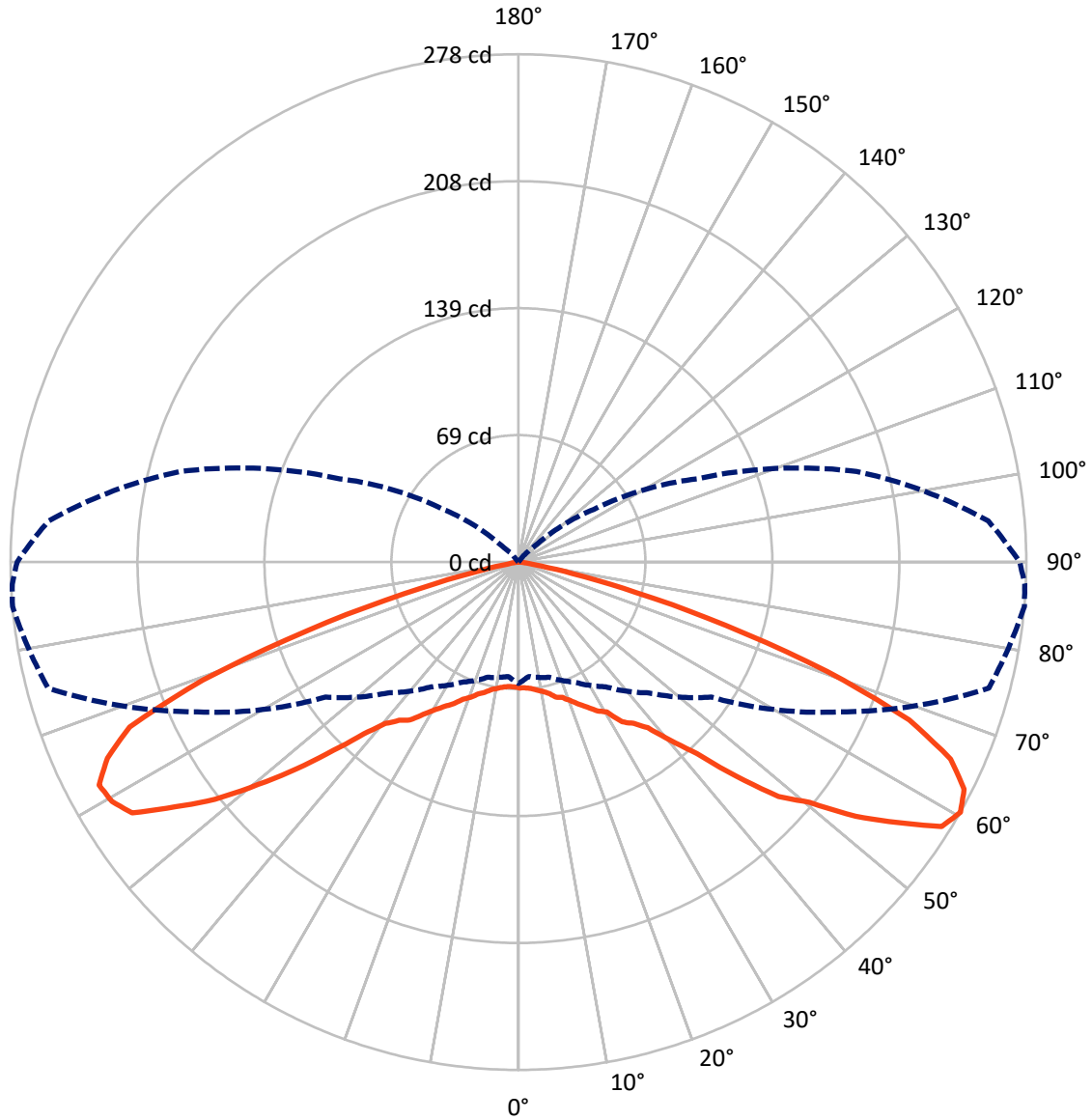
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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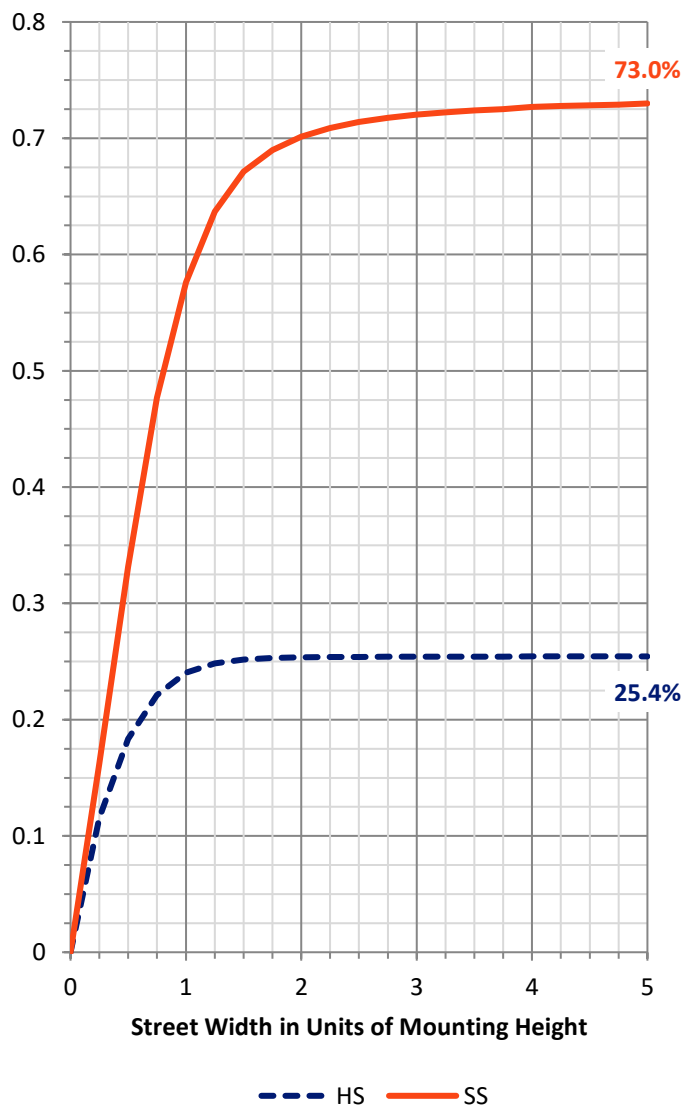
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	103.5	0.0	103.5
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	296.2	4.4	300.6
	% Fixture	73.3	1.1	74.4
Total	Lumens	399.7	4.4	404.1
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	1.4
10°-20°	16.8	4.2
20°-30°	32.7	8.1
30°-40°	55.4	13.7
40°-50°	80.0	19.8
50°-60°	100.2	24.8
60°-70°	79.2	19.6
70°-80°	25.9	6.4
80°-90°	3.8	0.9
90°-100°	1.8	0.4
100°-110°	1.2	0.3
110°-120°	0.7	0.2
120°-130°	0.4	0.1
130°-140°	0.2	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°	399.7	98.9
0°-180°	404.1	100.0

Coefficient of Utilization



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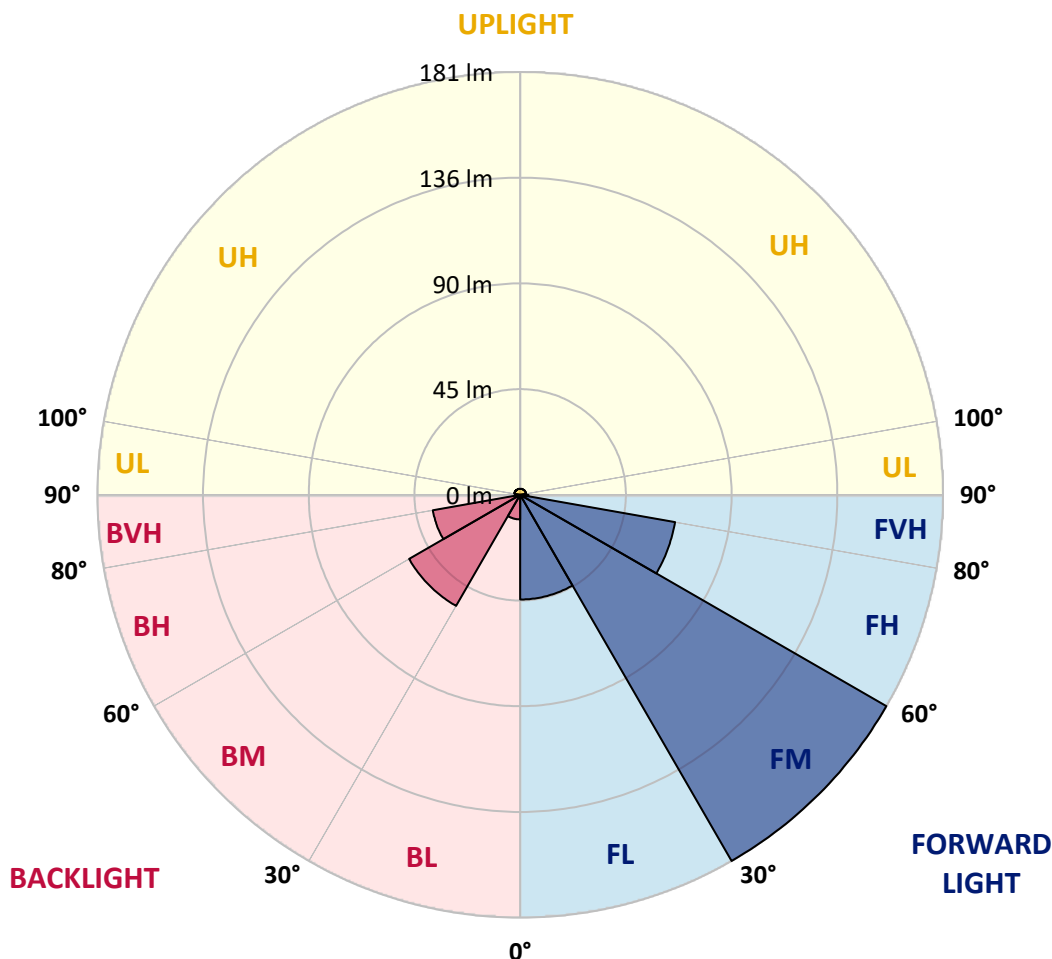
CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T2-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	44.7	11.1			
FM (30°-60°)	180.7	44.7			
FH (60°-80°)	67.2	16.6			G0/660
FVH (80°-90°)	3.5	0.9			G0/10
BL (0°-30°)	10.5	2.6	B0/110		
BM (30°-60°)	54.8	13.6	B0/220		
BH (60°-80°)	37.9	9.4	B0/110		G0/110
BVH (80°-90°)	0.3	0.1			G0/10
UL (90°-100°)	1.8	0.4		U1/10	
UH (100°-180°)	2.6	0.6		U1/10	

BUG Rating: B0-U1-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
0°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2.5°	107.1	105.9	104.1	102.3	99.9	96.9	91.5	82.0	73.0	68.8	68.8
5°	102.9	104.7	106.5	108.3	110.1	107.1	102.3	92.1	82.6	69.4	68.8
7.5°	100.5	103.5	101.1	100.5	98.1	96.3	100.5	92.7	83.7	70.6	70.0
10°	102.3	103.5	104.1	102.9	102.9	98.1	92.1	92.7	83.7	71.8	70.6
12.5°	98.1	98.7	100.5	100.5	101.1	101.7	96.3	87.9	86.1	73.6	71.8
15°	99.3	100.5	98.7	100.5	99.3	99.9	99.9	87.3	86.1	76.6	73.0
17.5°	101.7	104.1	105.3	103.5	99.9	99.3	101.1	94.5	85.5	77.8	76.6
20°	111.3	111.3	111.9	110.7	108.9	103.5	101.1	98.7	87.3	80.8	80.2
22.5°	117.2	117.2	118.4	117.2	115.5	113.7	105.3	101.1	87.3	84.3	82.6
25°	124.4	124.4	125.6	126.2	122.0	120.2	114.3	105.9	95.7	87.9	86.7
27.5°	132.2	132.8	133.4	134.0	133.4	131.6	123.2	114.3	99.9	92.1	90.9
30°	139.4	138.8	143.0	142.4	142.4	139.4	134.0	122.6	107.1	95.1	95.7
32.5°	142.4	144.2	147.2	150.2	151.3	149.0	144.8	134.6	116.7	104.1	98.7
35°	147.2	145.4	152.5	154.9	153.7	156.7	154.3	143.6	126.8	108.3	106.5
37.5°	147.8	149.6	152.5	157.3	154.9	163.3	162.7	152.5	137.0	114.9	111.9
40°	148.4	149.0	153.1	156.1	162.1	167.5	171.7	162.7	151.3	128.0	120.8
42.5°	147.2	147.2	151.3	154.3	160.3	169.3	175.3	176.5	166.3	143.0	135.2
45°	144.2	146.0	146.6	150.2	157.3	169.9	179.5	186.0	183.7	166.9	157.3
47.5°	138.2	137.0	141.2	147.8	153.1	165.7	180.7	196.2	204.6	191.4	184.2
50°	129.8	131.0	133.4	139.4	143.0	159.1	180.1	205.2	224.3	206.4	202.8
52.5°	119.0	120.2	123.2	130.4	134.0	151.9	180.1	218.9	245.3	230.9	224.9
55°	106.5	99.3	106.5	114.9	122.6	137.6	172.9	219.5	262.0	251.2	247.7
57.5°	81.4	80.2	83.2	94.5	105.9	120.8	156.1	212.4	269.8	272.8	267.4
60°	66.4	62.8	65.2	72.4	83.2	101.1	128.6	193.8	266.2	277.6	277.0
62.5°	50.8	50.8	53.2	55.0	62.2	78.4	101.7	160.9	247.1	273.4	275.8
65°	40.1	39.5	41.3	43.7	47.3	53.2	71.8	126.8	221.9	259.6	263.2
67.5°	30.5	30.5	31.7	34.1	37.1	39.5	46.7	86.7	194.4	230.3	235.1
70°	24.5	23.9	24.5	27.5	32.9	35.9	35.9	55.6	154.3	178.9	189.0
72.5°	22.1	20.9	20.9	21.5	25.7	32.9	37.7	34.1	96.9	118.4	125.0
75°	17.3	16.2	16.7	17.3	19.7	23.3	33.5	22.1	53.8	66.4	69.4
77.5°	11.4	11.4	11.4	11.4	12.6	15.0	24.5	20.3	31.1	29.9	28.7
80°	9.0	9.0	9.0	9.0	8.4	9.6	13.2	22.1	20.9	8.4	6.6
82.5°	7.8	7.8	7.8	7.2	7.2	6.6	7.8	15.6	13.2	4.2	3.6
85°	6.6	6.6	6.6	6.6	6.0	5.4	4.8	6.0	4.2	1.8	1.2
87.5°	6.0	6.0	6.0	5.4	5.4	4.2	3.6	2.4	1.8	0.6	0.6
90°	6.0	5.4	5.4	5.4	4.8	4.2	3.0	2.4	1.2	0.6	0.0
92.5°	5.4	5.4	5.4	4.8	4.8	3.6	3.0	2.4	1.2	0.0	0.0
95°	5.4	5.4	4.8	4.8	4.2	3.6	3.0	1.8	1.2	0.0	0.0
97.5°	4.8	4.8	4.8	4.8	4.2	3.6	3.0	1.8	1.2	0.0	0.0
100°	4.2	4.2	4.2	4.2	3.6	3.0	2.4	1.8	1.2	0.0	0.0
102.5°	4.2	4.2	4.2	3.6	3.6	3.0	2.4	1.8	0.6	0.0	0.0
105°	3.6	3.6	3.6	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.0
107.5°	3.0	3.0	3.0	3.0	3.0	2.4	1.8	1.2	0.6	0.0	0.0
110°	3.0	3.0	3.0	3.0	2.4	1.8	1.8	1.2	0.6	0.0	0.0



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CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
112.5°	2.4	2.4	2.4	2.4	2.4	1.8	1.2	1.2	0.6	0.0	0.0
115°	2.4	2.4	2.4	1.8	1.8	1.8	1.2	1.2	0.6	0.0	0.0
117.5°	1.8	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	0.0	0.0
120°	1.8	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	0.0	0.0
122.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.0	0.0
125°	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.0	0.0
127.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.0	0.0
130°	0.6	0.6	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.0	0.0
132.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
135°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
137.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
140°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.6	0.6	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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CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
2.5°	68.2	68.2	67.6	63.4	40.7	31.7	29.3	27.5	26.3	23.3	23.3
5°	66.4	68.2	58.6	38.9	23.9	9.6	0.6	0.0	0.0	0.0	0.0
7.5°	68.2	68.8	54.4	37.1	21.5	9.0	0.6	0.0	0.0	0.0	0.0
10°	70.6	70.0	55.6	37.7	22.7	9.0	0.6	0.0	0.0	0.0	0.0
12.5°	70.6	71.2	56.2	37.7	24.5	9.0	0.6	0.0	0.0	0.0	0.0
15°	74.2	73.6	57.4	38.3	25.1	9.0	0.6	0.0	0.0	0.0	0.0
17.5°	76.6	75.4	59.2	39.5	25.1	9.0	0.6	0.0	0.0	0.0	0.0
20°	79.0	78.4	58.6	41.3	25.7	9.6	0.6	0.0	0.0	0.0	0.0
22.5°	82.6	80.8	62.2	42.5	26.9	9.6	0.6	0.0	0.0	0.0	0.0
25°	85.5	84.9	63.4	44.3	26.3	10.2	0.6	0.0	0.0	0.0	0.0
27.5°	87.9	88.5	69.4	46.7	31.1	10.8	0.0	0.0	0.0	0.0	0.0
30°	93.9	92.7	73.6	49.1	32.9	11.4	0.0	0.0	0.0	0.0	0.0
32.5°	98.7	98.1	77.2	52.6	35.3	12.0	0.0	0.0	0.0	0.0	0.0
35°	105.3	104.7	82.6	55.6	37.7	12.0	0.0	0.0	0.0	0.0	0.0
37.5°	110.1	108.3	86.7	59.8	40.1	13.2	0.0	0.0	0.0	0.0	0.0
40°	118.4	114.3	90.9	62.2	35.9	7.2	0.0	0.0	0.0	0.0	0.0
42.5°	132.2	126.2	96.9	65.8	43.7	13.8	0.0	0.0	0.0	0.0	0.0
45°	149.0	144.2	105.3	69.4	38.9	14.4	0.0	0.0	0.0	0.0	0.0
47.5°	172.3	165.7	116.7	72.4	46.1	14.4	0.0	0.0	0.0	0.0	0.0
50°	198.0	187.2	134.6	77.8	48.5	13.8	0.0	0.0	0.0	0.0	0.0
52.5°	221.3	210.6	154.9	88.5	50.8	13.2	0.0	0.0	0.0	0.0	0.0
55°	241.7	230.3	175.3	96.9	51.4	12.6	0.0	0.0	0.0	0.0	0.0
57.5°	259.6	251.8	190.8	109.5	52.6	11.4	0.0	0.0	0.0	0.0	0.0
60°	274.0	257.8	191.4	107.7	50.2	10.8	0.0	0.0	0.0	0.0	0.0
62.5°	275.2	259.6	186.6	99.3	44.3	9.0	0.0	0.0	0.0	0.0	0.0
65°	257.2	248.9	175.3	83.7	34.7	6.6	0.0	0.0	0.0	0.0	0.0
67.5°	236.9	230.9	156.7	65.8	24.5	4.8	0.0	0.0	0.0	0.0	0.0
70°	189.6	184.2	125.0	46.1	14.4	2.4	0.0	0.0	0.0	0.0	0.0
72.5°	122.0	120.8	78.4	26.3	6.6	1.2	0.0	0.0	0.0	0.0	0.0
75°	67.0	64.6	35.9	11.4	3.0	0.6	0.0	0.0	0.0	0.0	0.0
77.5°	25.1	23.3	12.6	4.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0
80°	6.6	6.0	4.8	3.0	1.2	0.6	0.0	0.0	0.0	0.0	0.0
82.5°	3.0	3.0	2.4	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.2	1.2	0.6	0.6	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: P394721

CATALOG NUMBER: 303-B1-LEDB2-TSAM-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)