

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: P394756

Luminaire Tested: **303-B1-LEDB1-TSAM-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394756
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB1-TSAM-UNV-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 5 WITH EDGE GLOW
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 180.8 lumens
Efficiency: N/A
Efficacy: 27.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
IES Classification: Type I - Short
BUG Rating: B0 - U1 - G0

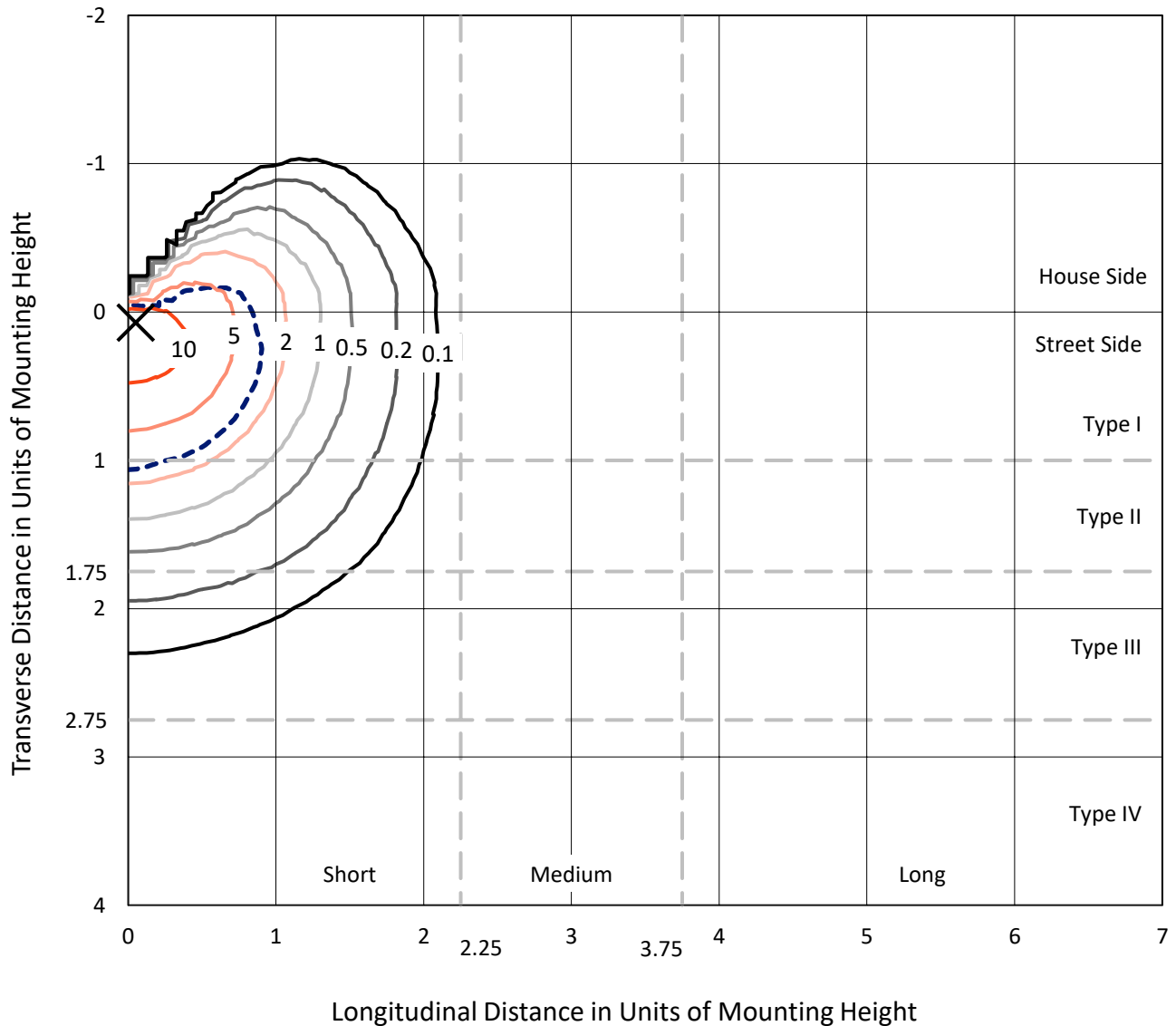
Input Watts (W): 6.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

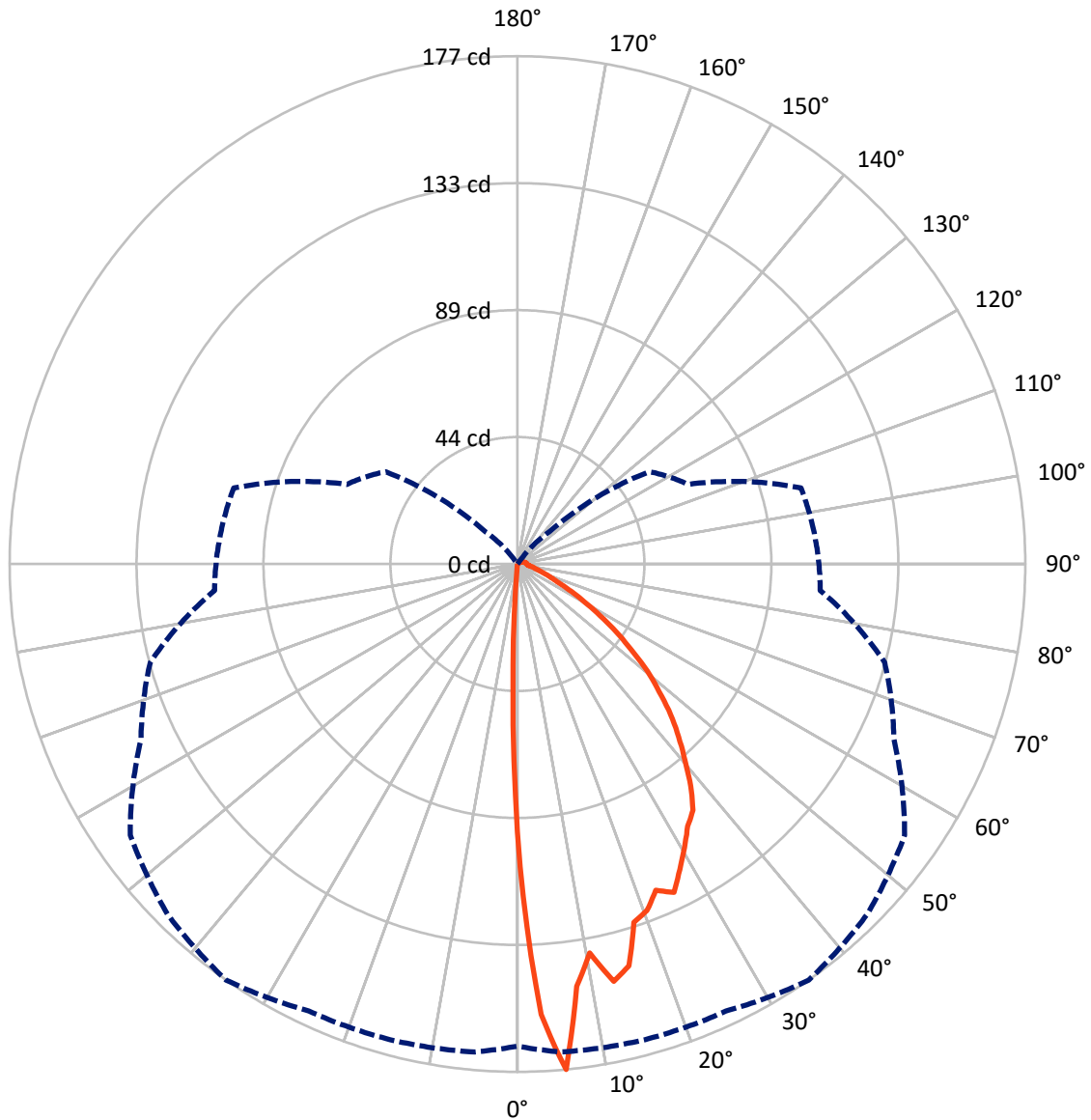
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 15.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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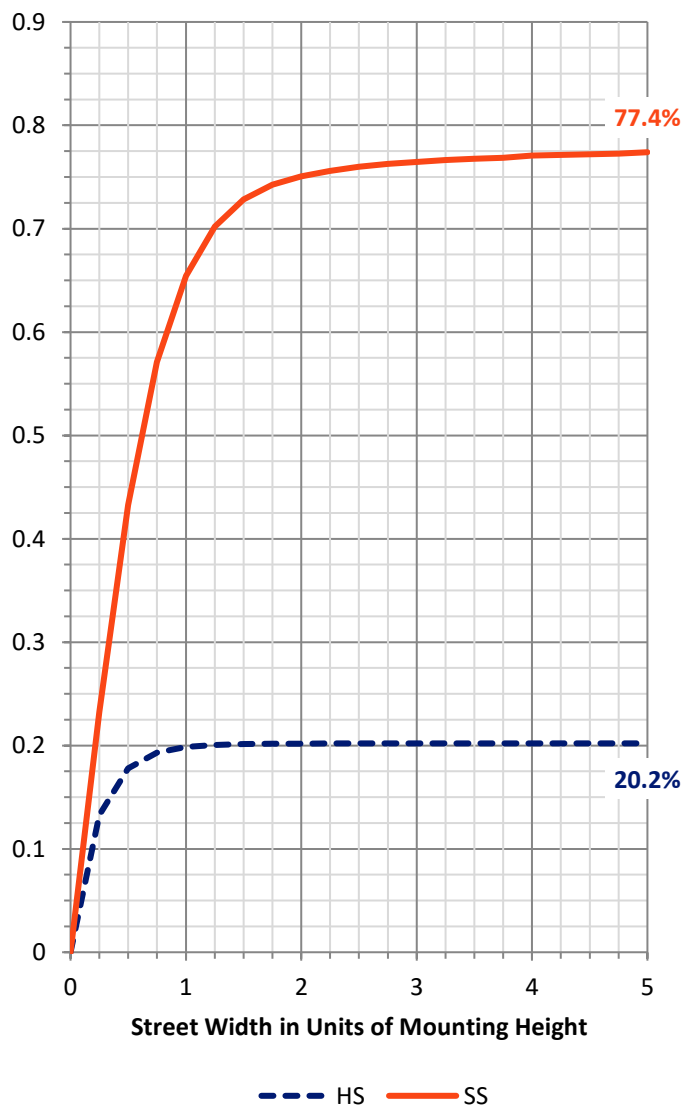
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	36.9	0.0	36.9
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	140.6	3.3	143.9
	% Fixture	77.8	1.8	79.6
Total	Lumens	177.5	3.3	180.8
	% Fixture	98.2	1.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.9	4.9
10°-20°	23.2	12.8
20°-30°	34.5	19.1
30°-40°	39.1	21.6
40°-50°	35.0	19.3
50°-60°	22.2	12.3
60°-70°	9.3	5.1
70°-80°	3.8	2.1
80°-90°	1.6	0.9
90°-100°	1.2	0.7
100°-110°	0.9	0.5
110°-120°	0.6	0.3
120°-130°	0.3	0.2
130°-140°	0.1	0.1
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°	177.5	98.2
0°-180°	180.8	100.0

Coefficient of Utilization



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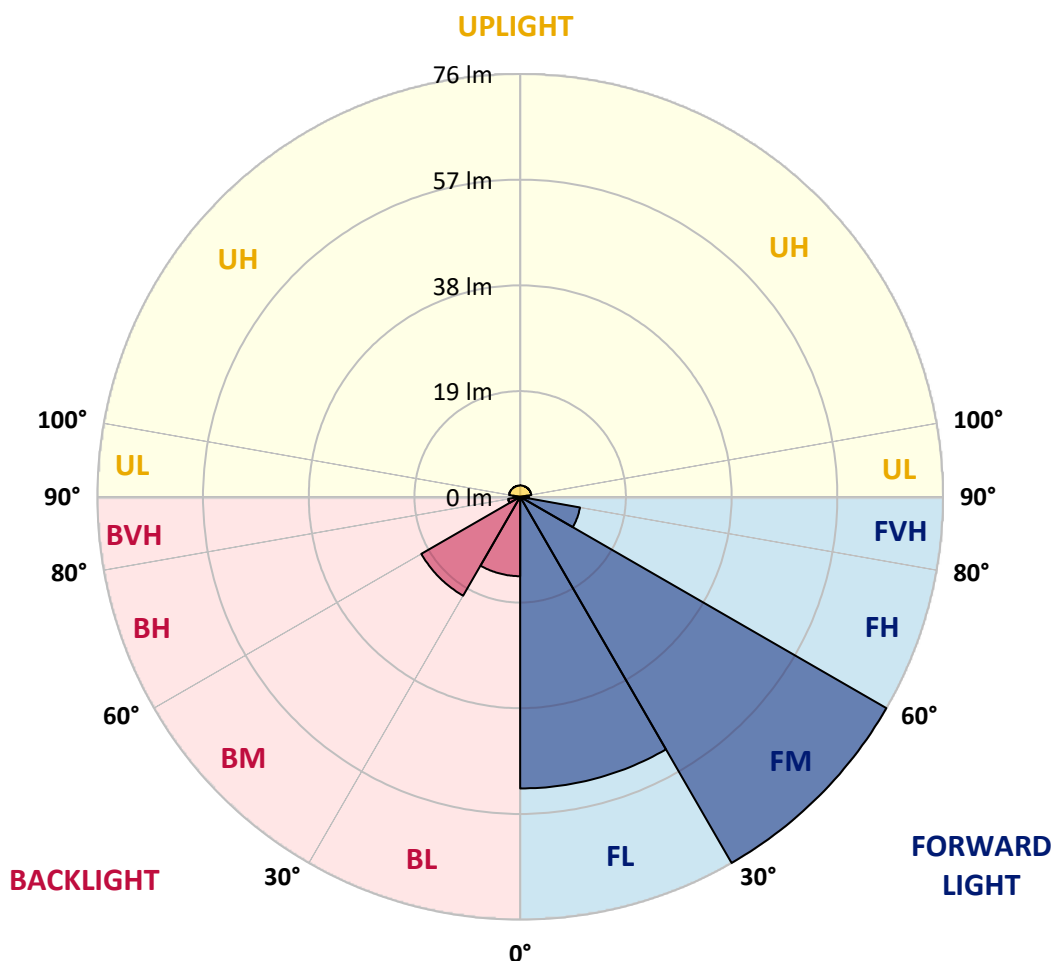
CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T5X-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	52.3	28.9			
FM	(30°-60°)	75.8	41.9			
FH	(60°-80°)	10.9	6.0			G0/660
FVH	(80°-90°)	1.6	0.9			G0/10
BL	(0°-30°)	14.2	7.9	B0/110		
BM	(30°-60°)	20.5	11.3	B0/220		
BH	(60°-80°)	2.2	1.2	B0/110		G0/110
BVH	(80°-90°)	0.0	0.0			G0/10
UL	(90°-100°)	1.2	0.7		U1/10	
UH	(100°-180°)	2.0	1.1		U1/10	

BUG Rating: B0-U1-G0

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
2.5°	171.1	169.0	161.2	163.9	157.6	156.4	152.2	142.1	111.9	107.4	104.1
5°	168.4	171.1	172.0	172.3	177.4	172.9	165.1	145.1	132.8	106.2	105.3
7.5°	140.0	143.6	140.6	141.8	149.0	157.0	153.1	146.9	130.4	107.4	102.9
10°	150.7	151.9	148.4	142.4	138.2	131.9	138.2	142.7	128.0	103.5	102.3
12.5°	148.1	152.8	151.0	155.2	149.6	131.0	123.8	131.6	125.9	104.1	101.7
15°	134.0	135.8	135.5	140.3	145.7	143.6	128.3	116.1	122.3	103.8	99.9
17.5°	129.5	131.6	130.4	131.3	131.6	139.1	133.7	114.0	120.5	103.5	99.6
20°	131.0	131.3	128.9	129.5	129.2	129.2	131.3	114.9	115.2	102.0	97.2
22.5°	128.9	128.9	129.2	131.6	123.8	123.5	124.7	121.7	108.0	100.2	97.8
25°	124.4	125.0	124.1	127.1	127.1	121.1	116.7	119.3	102.9	99.6	97.2
27.5°	119.0	121.1	119.0	120.8	120.8	120.2	112.8	115.5	101.1	96.9	93.6
30°	114.0	115.2	114.0	115.8	114.9	116.1	109.2	108.6	97.8	92.4	90.3
32.5°	108.6	109.2	108.3	109.5	109.2	107.7	105.0	102.6	96.3	91.2	87.9
35°	102.6	104.4	100.2	104.1	105.6	102.3	99.3	96.3	91.8	81.7	82.9
37.5°	96.9	96.6	95.4	97.2	98.4	96.0	92.4	90.0	85.8	78.7	77.8
40°	90.9	91.5	89.7	89.7	90.0	89.1	85.2	83.5	80.8	72.4	72.1
42.5°	85.5	84.3	82.6	82.6	82.6	80.8	78.7	76.9	73.9	67.3	66.4
45°	77.8	76.6	74.5	75.4	75.1	73.3	72.1	70.3	67.0	61.9	59.5
47.5°	69.4	70.0	67.6	68.8	66.7	66.1	64.0	61.3	59.2	54.7	52.9
50°	61.0	61.0	58.3	59.2	58.9	58.0	55.3	53.8	51.7	47.6	47.0
52.5°	52.0	52.3	50.5	51.4	49.7	49.4	47.3	46.1	42.8	38.9	39.5
55°	43.1	43.7	42.2	42.8	41.9	41.3	39.2	37.4	35.0	32.0	30.8
57.5°	34.1	34.1	34.4	34.7	34.1	34.1	31.4	30.2	26.9	24.8	23.6
60°	23.3	23.9	25.1	27.5	26.9	26.6	25.1	23.0	20.9	18.2	17.9
62.5°	19.1	19.1	18.8	19.4	21.2	20.9	19.1	17.9	15.9	13.5	13.2
65°	15.6	15.6	15.3	15.9	15.9	16.2	15.0	13.5	12.0	10.8	10.2
67.5°	13.2	13.2	12.9	12.6	12.6	12.9	11.7	10.8	9.9	8.7	8.1
70°	10.8	11.1	10.8	10.8	10.2	9.6	9.6	8.7	7.8	6.9	6.0
72.5°	9.3	9.3	9.0	9.0	8.1	7.8	7.5	6.9	6.0	5.1	4.5
75°	7.8	7.8	7.5	7.2	6.6	6.3	5.7	5.4	4.5	3.6	3.3
77.5°	6.6	6.6	6.3	6.3	5.7	5.1	4.2	3.9	3.3	2.4	2.1
80°	5.7	5.7	5.4	5.4	4.8	4.2	3.3	2.7	2.4	1.5	1.2
82.5°	5.1	5.1	4.8	4.5	3.9	3.6	2.7	2.1	1.5	0.6	0.3
85°	4.8	4.5	4.5	4.2	3.6	3.0	2.4	1.8	0.9	0.3	0.0
87.5°	4.2	4.2	4.2	3.9	3.3	3.0	2.1	1.5	0.6	0.0	0.0
90°	4.2	4.2	3.9	3.6	3.3	2.7	2.1	1.5	0.6	0.0	0.0
92.5°	3.9	3.9	3.9	3.6	3.3	2.7	2.1	1.5	0.6	0.0	0.0
95°	3.9	3.9	3.6	3.6	3.0	2.7	2.1	1.5	0.6	0.0	0.0
97.5°	3.6	3.6	3.3	3.3	3.0	2.4	1.8	1.2	0.6	0.0	0.0
100°	3.3	3.3	3.3	3.0	2.7	2.4	1.8	1.2	0.6	0.0	0.0
102.5°	3.0	3.0	3.0	2.7	2.4	2.1	1.5	1.2	0.6	0.0	0.0
105°	2.7	2.7	2.7	2.7	2.4	2.1	1.5	1.2	0.6	0.0	0.0
107.5°	2.7	2.7	2.4	2.4	2.1	1.8	1.5	0.9	0.6	0.0	0.0
110°	2.4	2.4	2.4	2.1	1.8	1.5	1.2	0.9	0.3	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.1	2.1	2.1	1.8	1.8	1.5	1.2	0.9	0.3	0.0	0.0
115°	1.8	1.8	1.8	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.0
117.5°	1.8	1.8	1.5	1.5	1.2	1.2	0.9	0.6	0.3	0.0	0.0
120°	1.5	1.5	1.5	1.2	1.2	0.9	0.9	0.6	0.3	0.0	0.0
122.5°	1.2	1.2	1.2	1.2	0.9	0.9	0.6	0.6	0.3	0.0	0.0
125°	1.2	1.2	1.2	0.9	0.9	0.9	0.6	0.3	0.3	0.0	0.0
127.5°	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.3	0.3	0.0	0.0
130°	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.0	0.0
132.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.0	0.0
135°	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0
137.5°	0.3	0.3	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
140°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
142.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
145°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
147.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9	105.9
2.5°	103.2	105.0	105.0	98.4	51.1	44.0	44.3	44.0	42.8	43.1
5°	104.4	102.6	65.8	56.2	16.5	0.0	0.0	0.0	0.0	0.0
7.5°	103.2	88.5	59.5	44.9	16.7	0.0	0.0	0.0	0.0	0.0
10°	102.0	87.3	58.9	44.3	16.5	0.0	0.0	0.0	0.0	0.0
12.5°	101.4	87.9	58.9	44.0	16.5	0.0	0.0	0.0	0.0	0.0
15°	102.3	87.6	59.2	44.0	15.9	0.0	0.0	0.0	0.0	0.0
17.5°	100.2	87.3	59.5	43.4	15.9	0.0	0.0	0.0	0.0	0.0
20°	100.5	85.8	59.5	42.5	15.0	0.0	0.0	0.0	0.0	0.0
22.5°	97.8	84.9	58.9	41.6	15.0	0.0	0.0	0.0	0.0	0.0
25°	95.7	80.5	57.7	40.1	14.4	0.0	0.0	0.0	0.0	0.0
27.5°	93.3	78.4	56.2	38.3	14.1	0.0	0.0	0.0	0.0	0.0
30°	90.0	74.5	53.5	36.2	13.5	0.0	0.0	0.0	0.0	0.0
32.5°	86.4	74.8	51.1	35.9	12.6	0.0	0.0	0.0	0.0	0.0
35°	84.6	68.5	47.9	34.1	12.0	0.0	0.0	0.0	0.0	0.0
37.5°	77.8	65.8	44.9	31.4	9.3	0.0	0.0	0.0	0.0	0.0
40°	71.8	58.6	42.8	24.5	5.7	0.0	0.0	0.0	0.0	0.0
42.5°	66.1	55.3	39.2	26.0	9.6	0.0	0.0	0.0	0.0	0.0
45°	60.1	49.7	35.0	20.3	8.4	0.0	0.0	0.0	0.0	0.0
47.5°	55.0	45.2	30.8	21.2	7.5	0.0	0.0	0.0	0.0	0.0
50°	46.4	38.0	26.6	17.9	6.3	0.0	0.0	0.0	0.0	0.0
52.5°	39.8	32.0	22.4	15.3	5.4	0.0	0.0	0.0	0.0	0.0
55°	31.1	25.1	18.2	12.3	4.2	0.0	0.0	0.0	0.0	0.0
57.5°	23.6	19.7	14.1	9.3	3.3	0.0	0.0	0.0	0.0	0.0
60°	18.5	14.4	10.5	6.9	2.4	0.0	0.0	0.0	0.0	0.0
62.5°	13.5	10.5	7.8	4.8	1.8	0.0	0.0	0.0	0.0	0.0
65°	10.5	8.1	5.7	3.6	1.2	0.0	0.0	0.0	0.0	0.0
67.5°	8.1	6.3	4.2	2.1	0.9	0.0	0.0	0.0	0.0	0.0
70°	6.3	4.8	3.3	1.5	0.6	0.0	0.0	0.0	0.0	0.0
72.5°	4.8	3.6	2.4	1.2	0.3	0.0	0.0	0.0	0.0	0.0
75°	3.3	2.4	1.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	2.1	1.5	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.2	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	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
90°	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
95°	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
100°	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
105°	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
110°	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-LEDB1-TSAM-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	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
115°	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
120°	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
125°	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
130°	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)