

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: P394720

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

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394720  
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-TSAM-UNV-T2-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 2 WITH EDGE GLOW  
Light Source: AMBER LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 202.1 lumens  
Efficiency: N/A  
Efficacy: 31.1 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): 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

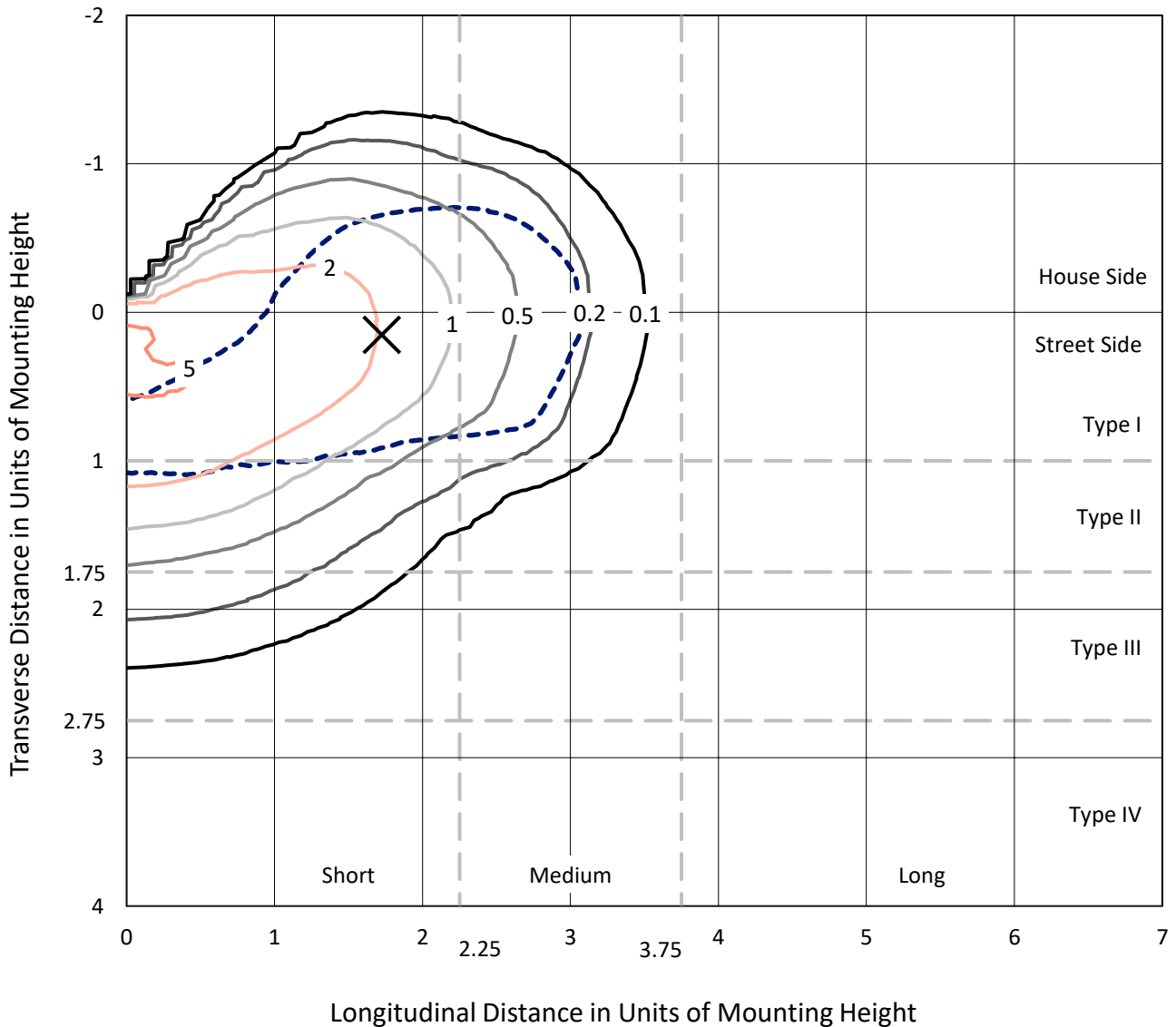


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### Iso-Footcandle Lines of Horizontal Illumination

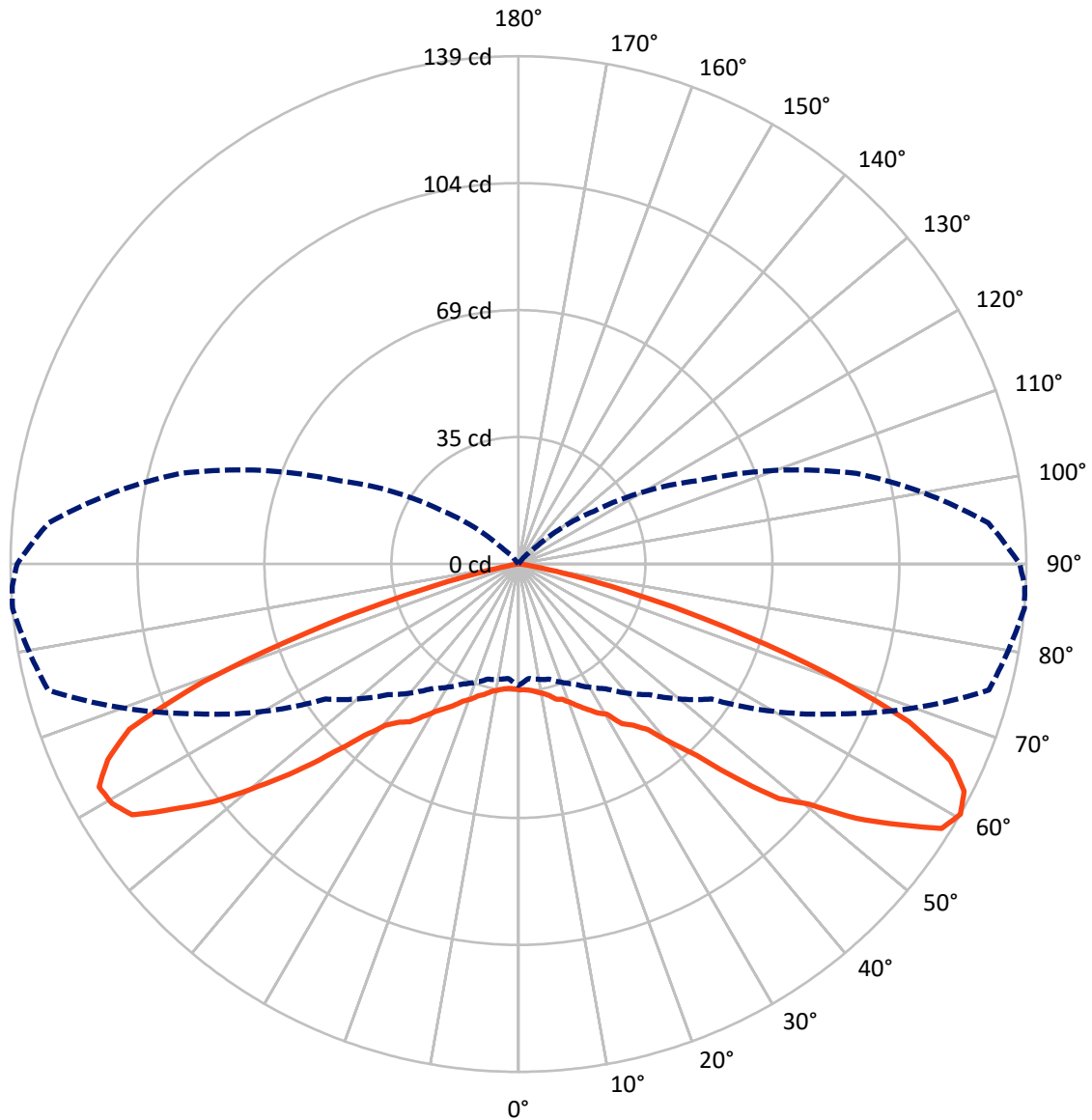
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 5.5 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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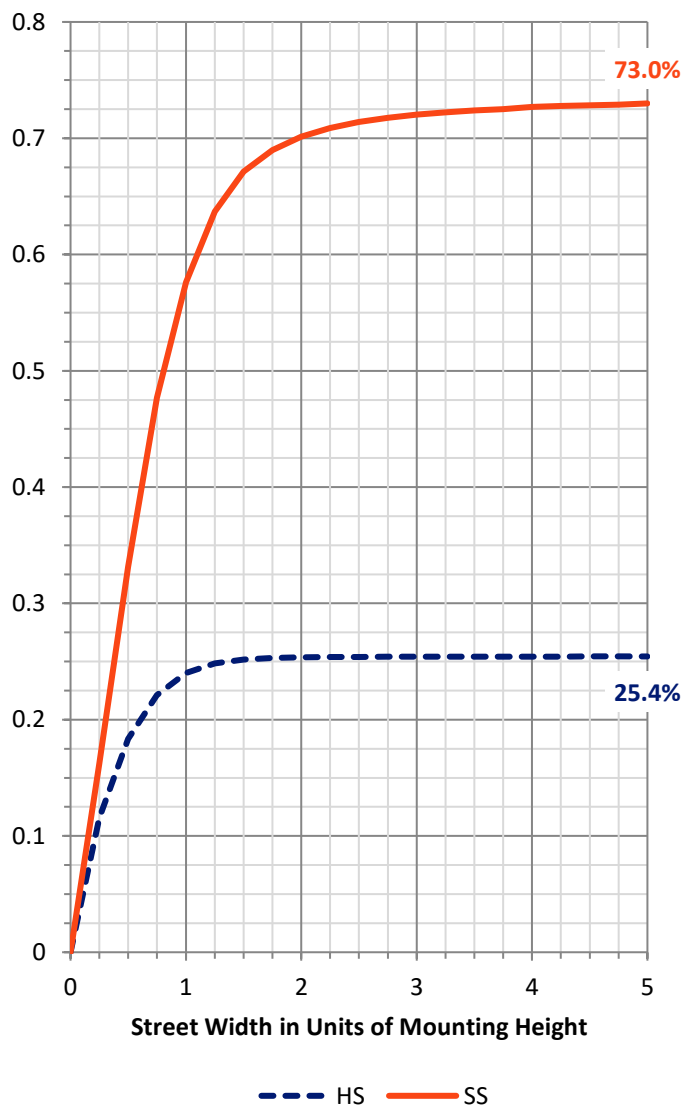
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	51.8	0.0	51.8
	% Fixture	25.6	0.0	25.6
<b>Street Side</b>	Lumens	148.1	2.2	150.3
	% Fixture	73.3	1.1	74.4
<b>Total</b>	Lumens	199.9	2.2	202.1
	% Fixture	98.9	1.1	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.9	1.4
10°-20°	8.4	4.2
20°-30°	16.3	8.1
30°-40°	27.7	13.7
40°-50°	40.0	19.8
50°-60°	50.1	24.8
60°-70°	39.6	19.6
70°-80°	13.0	6.4
80°-90°	1.9	0.9
90°-100°	0.9	0.4
100°-110°	0.6	0.3
110°-120°	0.4	0.2
120°-130°	0.2	0.1
130°-140°	0.1	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°-90°	199.9	98.9
0°-180°	202.1	100.0

**Coefficient of Utilization**



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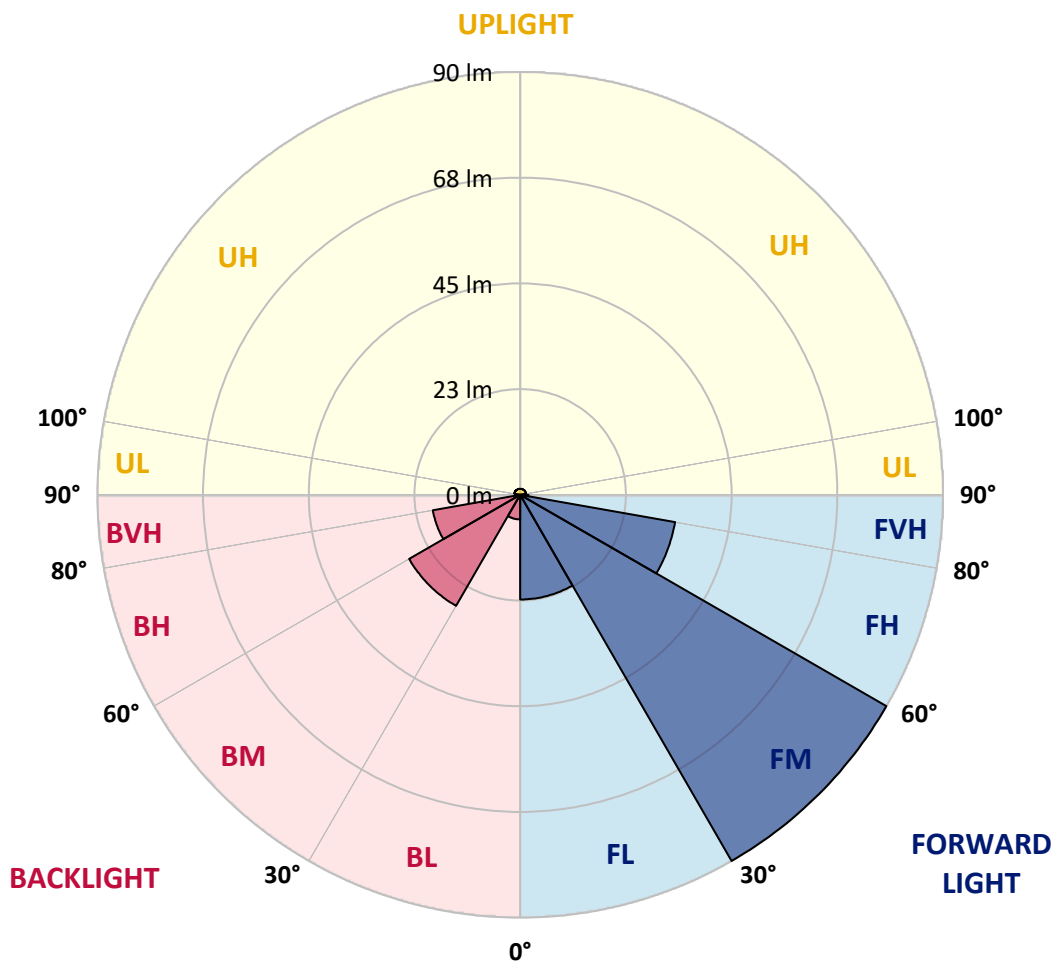
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	22.4	11.1			
FM (30°-60°)	90.4	44.7			
FH (60°-80°)	33.6	16.6			G0/660
FVH (80°-90°)	1.7	0.9			G0/10
BL (0°-30°)	5.3	2.6	B0/110		
BM (30°-60°)	27.4	13.6	B0/220		
BH (60°-80°)	19.0	9.4	B0/110		G0/110
BVH (80°-90°)	0.1	0.1			G0/10
UL (90°-100°)	0.9	0.4		U1/10	
UH (100°-180°)	1.3	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°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	53.5	52.9	52.0	51.1	50.0	48.5	45.8	41.0	36.5	34.4	34.4
5°	51.4	52.3	53.2	54.1	55.0	53.5	51.1	46.1	41.3	34.7	34.4
7.5°	50.2	51.7	50.5	50.2	49.1	48.2	50.2	46.4	41.9	35.3	35.0
10°	51.1	51.7	52.0	51.4	51.4	49.1	46.1	46.4	41.9	35.9	35.3
12.5°	49.1	49.4	50.2	50.2	50.5	50.8	48.2	44.0	43.1	36.8	35.9
15°	49.7	50.2	49.4	50.2	49.7	50.0	50.0	43.7	43.1	38.3	36.5
17.5°	50.8	52.0	52.6	51.7	50.0	49.7	50.5	47.3	42.8	38.9	38.3
20°	55.6	55.6	55.9	55.3	54.4	51.7	50.5	49.4	43.7	40.4	40.1
22.5°	58.6	58.6	59.2	58.6	57.7	56.8	52.6	50.5	43.7	42.2	41.3
25°	62.2	62.2	62.8	63.1	61.0	60.1	57.1	52.9	47.9	44.0	43.4
27.5°	66.1	66.4	66.7	67.0	66.7	65.8	61.6	57.1	50.0	46.1	45.5
30°	69.7	69.4	71.5	71.2	71.2	69.7	67.0	61.3	53.5	47.6	47.9
32.5°	71.2	72.1	73.6	75.1	75.7	74.5	72.4	67.3	58.3	52.0	49.4
35°	73.6	72.7	76.3	77.5	76.9	78.4	77.2	71.8	63.4	54.1	53.2
37.5°	73.9	74.8	76.3	78.7	77.5	81.7	81.4	76.3	68.5	57.4	55.9
40°	74.2	74.5	76.6	78.1	81.1	83.7	85.8	81.4	75.7	64.0	60.4
42.5°	73.6	73.6	75.7	77.2	80.2	84.6	87.6	88.2	83.2	71.5	67.6
45°	72.1	73.0	73.3	75.1	78.7	84.9	89.7	93.0	91.8	83.5	78.7
47.5°	69.1	68.5	70.6	73.9	76.6	82.9	90.3	98.1	102.3	95.7	92.1
50°	64.9	65.5	66.7	69.7	71.5	79.6	90.0	102.6	112.2	103.2	101.4
52.5°	59.5	60.1	61.6	65.2	67.0	76.0	90.0	109.5	122.6	115.5	112.5
55°	53.2	49.7	53.2	57.4	61.3	68.8	86.4	109.8	131.0	125.6	123.8
57.5°	40.7	40.1	41.6	47.3	52.9	60.4	78.1	106.2	134.9	136.4	133.7
60°	33.2	31.4	32.6	36.2	41.6	50.5	64.3	96.9	133.1	138.8	138.5
62.5°	25.4	25.4	26.6	27.5	31.1	39.2	50.8	80.5	123.5	136.7	137.9
65°	20.0	19.7	20.6	21.8	23.6	26.6	35.9	63.4	111.0	129.8	131.6
67.5°	15.3	15.3	15.9	17.0	18.5	19.7	23.3	43.4	97.2	115.2	117.5
70°	12.3	12.0	12.3	13.8	16.5	17.9	17.9	27.8	77.2	89.4	94.5
72.5°	11.1	10.5	10.5	10.8	12.9	16.5	18.8	17.0	48.5	59.2	62.5
75°	8.7	8.1	8.4	8.7	9.9	11.7	16.7	11.1	26.9	33.2	34.7
77.5°	5.7	5.7	5.7	5.7	6.3	7.5	12.3	10.2	15.6	15.0	14.4
80°	4.5	4.5	4.5	4.5	4.2	4.8	6.6	11.1	10.5	4.2	3.3
82.5°	3.9	3.9	3.9	3.6	3.6	3.3	3.9	7.8	6.6	2.1	1.8
85°	3.3	3.3	3.3	3.3	3.0	2.7	2.4	3.0	2.1	0.9	0.6
87.5°	3.0	3.0	3.0	2.7	2.7	2.1	1.8	1.2	0.9	0.3	0.3
90°	3.0	2.7	2.7	2.7	2.4	2.1	1.5	1.2	0.6	0.3	0.0
92.5°	2.7	2.7	2.7	2.4	2.4	1.8	1.5	1.2	0.6	0.0	0.0
95°	2.7	2.7	2.4	2.4	2.1	1.8	1.5	0.9	0.6	0.0	0.0
97.5°	2.4	2.4	2.4	2.4	2.1	1.8	1.5	0.9	0.6	0.0	0.0
100°	2.1	2.1	2.1	2.1	1.8	1.5	1.2	0.9	0.6	0.0	0.0
102.5°	2.1	2.1	2.1	1.8	1.8	1.5	1.2	0.9	0.3	0.0	0.0
105°	1.8	1.8	1.8	1.8	1.5	1.2	0.9	0.6	0.3	0.0	0.0
107.5°	1.5	1.5	1.5	1.5	1.5	1.2	0.9	0.6	0.3	0.0	0.0
110°	1.5	1.5	1.5	1.5	1.2	0.9	0.9	0.6	0.3	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
112.5°	1.2	1.2	1.2	1.2	1.2	0.9	0.6	0.6	0.3	0.0	0.0
115°	1.2	1.2	1.2	0.9	0.9	0.9	0.6	0.6	0.3	0.0	0.0
117.5°	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.3	0.3	0.0	0.0
120°	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.3	0.3	0.0	0.0
122.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.0	0.0
125°	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.0	0.0
127.5°	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0
130°	0.3	0.3	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0
132.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
135°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
137.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
140°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.3	0.3	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4	34.4
2.5°	34.1	34.1	33.8	31.7	20.3	15.9	14.7	13.8	13.2	11.7	11.7
5°	33.2	34.1	29.3	19.4	12.0	4.8	0.3	0.0	0.0	0.0	0.0
7.5°	34.1	34.4	27.2	18.5	10.8	4.5	0.3	0.0	0.0	0.0	0.0
10°	35.3	35.0	27.8	18.8	11.4	4.5	0.3	0.0	0.0	0.0	0.0
12.5°	35.3	35.6	28.1	18.8	12.3	4.5	0.3	0.0	0.0	0.0	0.0
15°	37.1	36.8	28.7	19.1	12.6	4.5	0.3	0.0	0.0	0.0	0.0
17.5°	38.3	37.7	29.6	19.7	12.6	4.5	0.3	0.0	0.0	0.0	0.0
20°	39.5	39.2	29.3	20.6	12.9	4.8	0.3	0.0	0.0	0.0	0.0
22.5°	41.3	40.4	31.1	21.2	13.5	4.8	0.3	0.0	0.0	0.0	0.0
25°	42.8	42.5	31.7	22.1	13.2	5.1	0.3	0.0	0.0	0.0	0.0
27.5°	44.0	44.3	34.7	23.3	15.6	5.4	0.0	0.0	0.0	0.0	0.0
30°	47.0	46.4	36.8	24.5	16.5	5.7	0.0	0.0	0.0	0.0	0.0
32.5°	49.4	49.1	38.6	26.3	17.6	6.0	0.0	0.0	0.0	0.0	0.0
35°	52.6	52.3	41.3	27.8	18.8	6.0	0.0	0.0	0.0	0.0	0.0
37.5°	55.0	54.1	43.4	29.9	20.0	6.6	0.0	0.0	0.0	0.0	0.0
40°	59.2	57.1	45.5	31.1	17.9	3.6	0.0	0.0	0.0	0.0	0.0
42.5°	66.1	63.1	48.5	32.9	21.8	6.9	0.0	0.0	0.0	0.0	0.0
45°	74.5	72.1	52.6	34.7	19.4	7.2	0.0	0.0	0.0	0.0	0.0
47.5°	86.1	82.9	58.3	36.2	23.0	7.2	0.0	0.0	0.0	0.0	0.0
50°	99.0	93.6	67.3	38.9	24.2	6.9	0.0	0.0	0.0	0.0	0.0
52.5°	110.7	105.3	77.5	44.3	25.4	6.6	0.0	0.0	0.0	0.0	0.0
55°	120.8	115.2	87.6	48.5	25.7	6.3	0.0	0.0	0.0	0.0	0.0
57.5°	129.8	125.9	95.4	54.7	26.3	5.7	0.0	0.0	0.0	0.0	0.0
60°	137.0	128.9	95.7	53.8	25.1	5.4	0.0	0.0	0.0	0.0	0.0
62.5°	137.6	129.8	93.3	49.7	22.1	4.5	0.0	0.0	0.0	0.0	0.0
65°	128.6	124.4	87.6	41.9	17.3	3.3	0.0	0.0	0.0	0.0	0.0
67.5°	118.4	115.5	78.4	32.9	12.3	2.4	0.0	0.0	0.0	0.0	0.0
70°	94.8	92.1	62.5	23.0	7.2	1.2	0.0	0.0	0.0	0.0	0.0
72.5°	61.0	60.4	39.2	13.2	3.3	0.6	0.0	0.0	0.0	0.0	0.0
75°	33.5	32.3	17.9	5.7	1.5	0.3	0.0	0.0	0.0	0.0	0.0
77.5°	12.6	11.7	6.3	2.4	0.9	0.3	0.0	0.0	0.0	0.0	0.0
80°	3.3	3.0	2.4	1.5	0.6	0.3	0.0	0.0	0.0	0.0	0.0
82.5°	1.5	1.5	1.2	0.9	0.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.6	0.6	0.3	0.3	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: P394720

CATALOG NUMBER: 303-B1-LEDB1-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)