

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: P394803

Luminaire Tested: **303-P1-LEDB1-TSAM-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-17)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-P1-LEDB1-TSAM-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
PATHWAY, TYPE 4 WITH EDGE GLOW
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 204 lumens
Efficiency: N/A
Efficacy: 31.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
IES Classification: Type III - 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

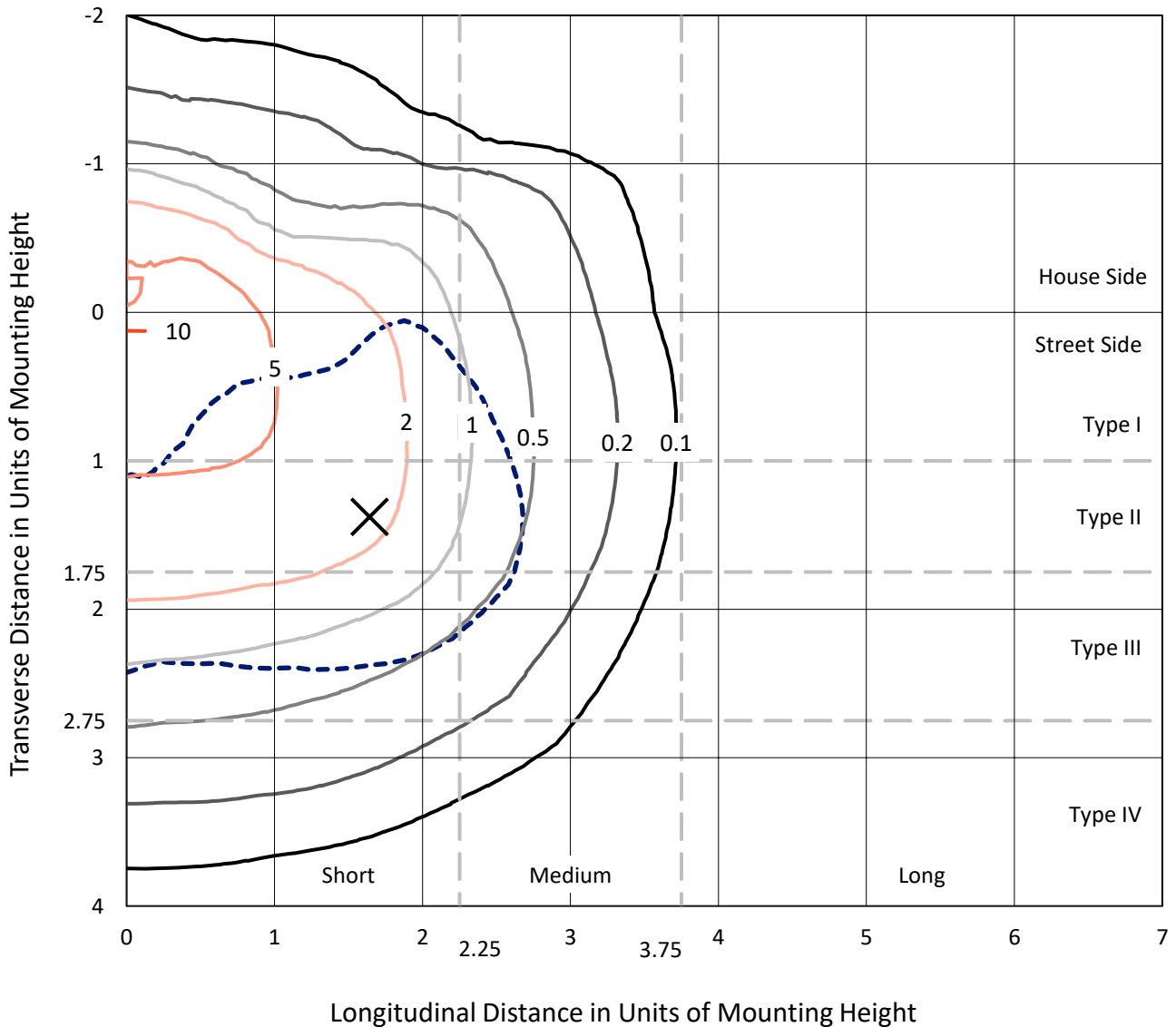


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Iso-Footcandle Lines of Horizontal Illumination

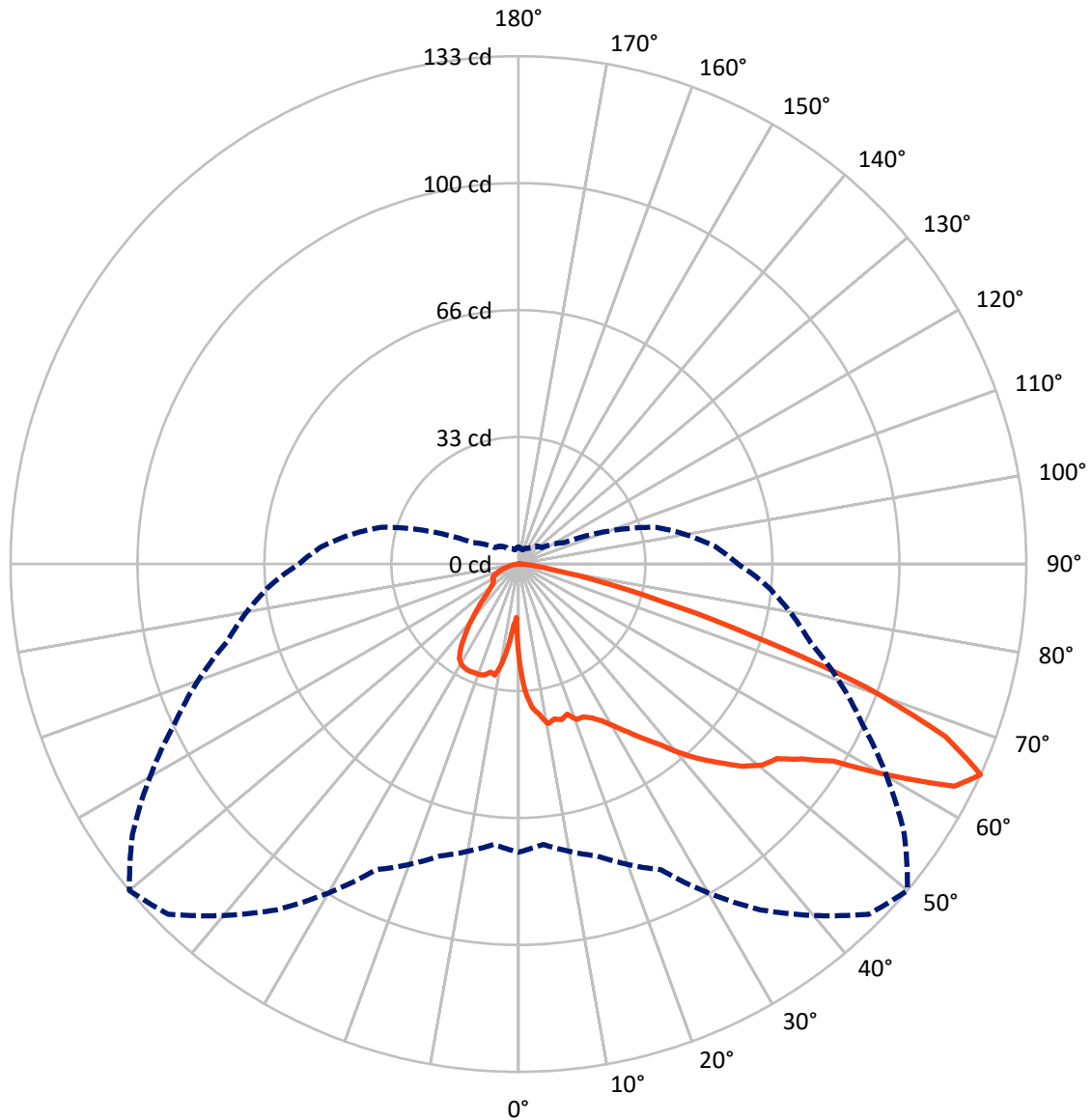
× Max cd
 - - - 1/2 Max cd



Based on 2 foot mounting height. Maximum calculated value = 10 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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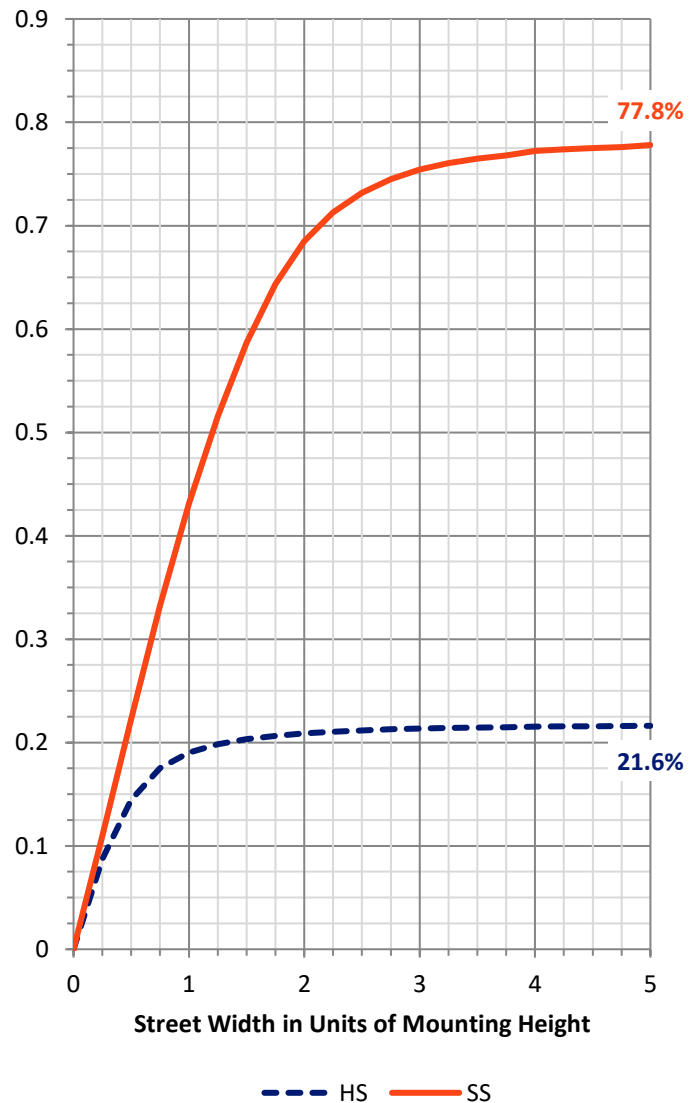
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	44.4	0.0	44.4
	% Fixture	21.8	0.0	21.8
Street Side	Lumens	159.2	0.4	159.6
	% Fixture	78.0	0.2	78.2
Total	Lumens	203.6	0.4	204.0
	% Fixture	99.8	0.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.8	1.4
10°-20°	10.1	4.9
20°-30°	17.2	8.4
30°-40°	25.4	12.4
40°-50°	32.6	16.0
50°-60°	42.3	20.8
60°-70°	51.2	25.1
70°-80°	20.4	10.0
80°-90°	1.7	0.8
90°-100°	0.2	0.1
100°-110°	0.1	0.1
110°-120°	0.1	0.0
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°-90°	203.6	99.8
0°-180°	204.0	100.0



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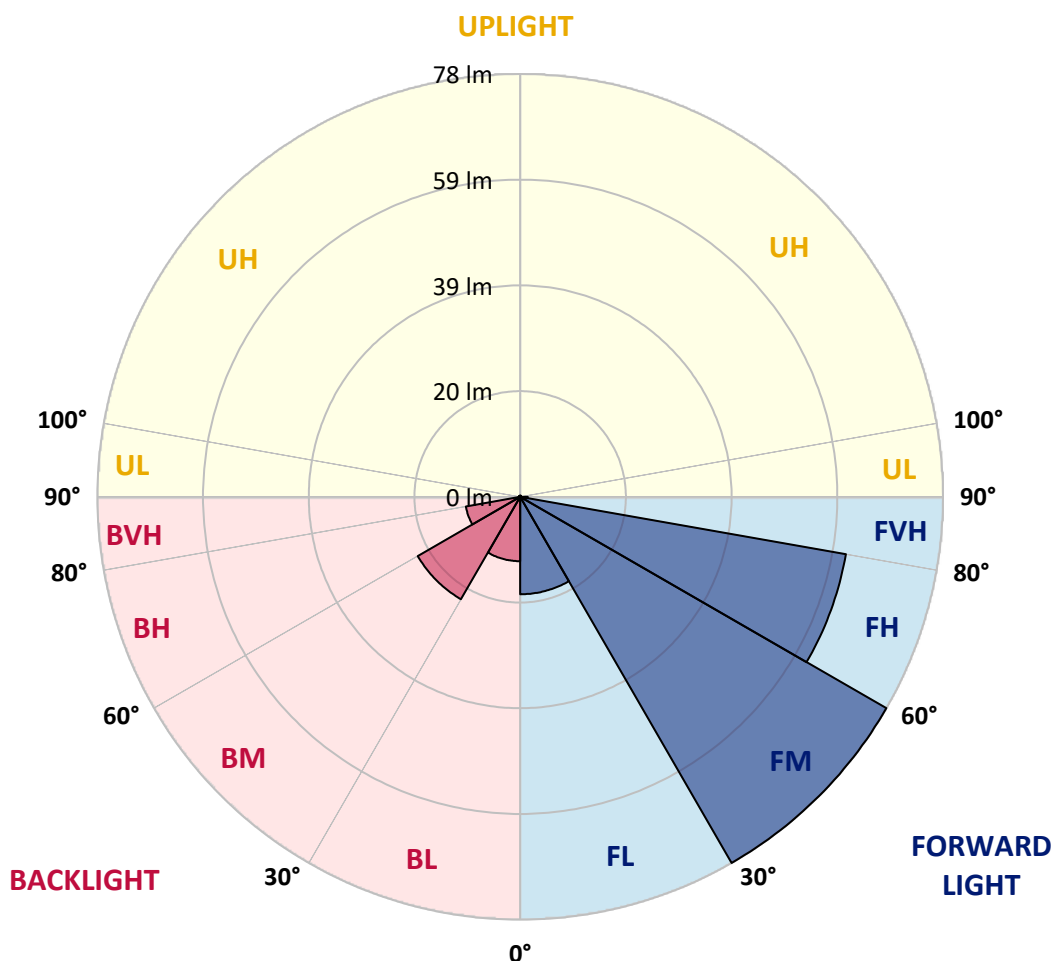
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	18.1	8.9			
FM	(30°-60°)	78.4	38.4			
FH	(60°-80°)	61.3	30.1			G0/660
FVH	(80°-90°)	1.4	0.7			G0/10
BL	(0°-30°)	11.9	5.9	B0/110		
BM	(30°-60°)	21.9	10.7	B0/220		
BH	(60°-80°)	10.2	5.0	B0/110		G0/110
BVH	(80°-90°)	0.3	0.2			G0/10
UL	(90°-100°)	0.2	0.1		U1/10	
UH	(100°-180°)	0.2	0.1		U1/10	

BUG Rating: B0-U1-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
2.5°	37.4	36.5	37.7	37.4	37.1	34.1	33.2	32.3	28.7	27.8	25.4
5°	37.4	38.0	38.0	37.1	37.7	37.7	37.7	38.6	38.6	33.8	30.8
7.5°	41.6	42.2	40.7	40.4	39.5	39.2	39.8	38.3	39.2	38.6	35.3
10°	41.9	41.9	41.3	40.4	40.4	41.9	42.5	41.6	40.7	38.6	39.2
12.5°	41.6	42.2	41.9	40.4	40.4	42.2	41.6	41.9	39.8	38.9	39.2
15°	42.8	42.5	43.1	42.2	41.6	41.9	42.2	41.6	40.7	39.2	39.5
17.5°	44.0	44.0	43.1	42.2	42.2	42.2	41.3	41.3	40.4	39.2	39.5
20°	44.3	44.9	44.6	43.1	42.8	42.8	43.4	42.2	40.7	38.9	39.5
22.5°	46.1	46.7	45.5	45.2	44.0	44.3	43.4	42.8	41.0	39.2	39.2
25°	47.6	47.9	47.3	47.0	45.5	45.5	44.6	44.9	42.8	39.8	39.5
27.5°	49.1	49.7	48.8	47.9	47.6	47.9	46.4	47.3	44.3	42.2	41.3
30°	50.5	51.4	50.8	50.5	50.0	49.4	49.1	49.7	47.3	44.9	44.3
32.5°	52.6	53.5	52.9	53.2	52.9	52.6	52.3	51.7	50.8	47.9	47.0
35°	55.6	55.9	56.2	55.9	56.2	56.2	55.9	55.9	54.1	51.1	48.5
37.5°	57.4	58.0	59.2	60.7	61.3	61.3	59.8	59.5	56.8	53.8	50.2
40°	59.8	59.2	61.3	62.8	65.5	66.7	64.9	63.4	59.5	55.0	52.6
42.5°	61.0	61.0	63.4	64.6	69.4	70.9	69.7	68.8	62.5	56.2	52.3
45°	62.5	63.1	65.2	68.2	73.0	75.7	74.2	71.8	64.9	57.7	52.9
47.5°	65.8	65.5	67.6	71.5	76.0	80.5	79.0	77.5	67.0	58.9	55.0
50°	69.4	67.3	69.7	72.7	79.9	82.3	82.6	78.1	68.5	60.4	55.9
52.5°	73.0	71.5	73.3	78.1	83.7	86.4	84.6	82.9	72.7	62.8	58.6
55°	77.2	76.3	77.8	82.9	87.6	92.4	90.0	87.9	75.4	65.8	58.9
57.5°	84.3	82.6	83.7	88.5	93.9	99.6	97.2	92.7	79.6	69.4	62.8
60°	86.7	86.7	90.0	95.4	104.1	111.9	112.5	103.5	89.4	77.2	68.8
62.5°	84.0	84.6	88.2	98.1	113.4	129.8	128.0	122.0	100.5	82.6	72.1
65°	75.4	73.6	79.0	88.2	110.4	129.5	132.8	123.2	99.3	79.0	65.2
67.5°	67.0	64.3	67.3	75.7	92.7	117.0	120.5	114.0	89.1	70.9	55.3
70°	54.1	52.3	56.5	61.9	72.7	91.5	96.3	92.7	74.2	57.4	45.5
72.5°	36.5	36.5	41.0	48.8	55.6	62.2	63.7	66.1	57.7	45.5	33.8
75°	23.6	23.9	25.1	29.3	33.2	40.7	37.7	36.8	34.4	27.8	21.2
77.5°	10.8	11.1	12.9	15.6	17.6	20.6	21.2	19.7	15.0	10.5	6.9
80°	6.9	6.9	7.8	8.7	9.9	9.0	8.4	7.5	7.2	5.1	3.6
82.5°	4.8	4.2	4.8	5.1	5.4	5.1	5.1	4.2	3.0	3.0	1.8
85°	1.5	1.5	1.5	1.5	1.8	2.4	2.1	2.1	1.5	1.2	0.9
87.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.3
90°	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.0
92.5°	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0
95°	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0
97.5°	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.0	0.0
100°	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
102.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
105°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
107.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
110°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0



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CATALOG NUMBER: 303-P1-LEDB1-TSAM-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
115°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.3	0.3	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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CATALOG NUMBER: 303-P1-LEDB1-TSAM-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1	25.1
2.5°	24.2	23.3	22.4	20.6	14.7	13.2	12.3	10.8	3.9	2.4	2.4
5°	28.7	27.8	26.3	23.3	19.7	12.6	11.7	9.6	4.8	0.9	0.6
7.5°	34.4	33.5	32.9	27.2	23.3	19.7	16.2	14.4	8.4	11.7	12.6
10°	38.9	39.2	38.6	35.0	28.4	24.5	23.9	20.6	20.9	17.3	15.0
12.5°	39.8	40.1	39.5	35.3	31.4	28.1	25.4	23.6	22.7	21.5	23.9
15°	39.5	39.5	40.4	35.3	31.7	26.6	25.7	23.9	23.3	23.9	24.2
17.5°	40.4	39.8	39.8	35.0	31.7	29.0	25.4	24.2	23.0	23.9	24.5
20°	39.2	39.2	38.6	34.7	32.0	29.3	25.4	23.6	22.4	23.3	23.6
22.5°	38.6	38.6	37.7	34.1	32.3	29.0	24.8	23.0	22.1	23.6	23.3
25°	39.5	38.9	38.3	34.1	32.6	29.0	24.2	22.4	20.6	22.1	21.2
27.5°	40.4	39.5	39.8	35.3	32.9	28.4	23.6	21.5	19.4	20.6	20.3
30°	42.5	41.9	39.8	35.3	32.3	28.1	22.7	20.9	18.5	19.4	19.7
32.5°	44.6	41.6	40.4	33.8	31.1	27.2	21.5	19.4	16.7	18.5	18.8
35°	46.4	43.4	39.8	32.6	28.4	24.8	19.4	17.6	15.6	16.7	16.7
37.5°	47.6	44.6	39.5	29.9	25.1	21.2	16.7	15.3	14.1	15.3	15.0
40°	48.2	44.3	37.1	26.9	21.5	17.9	14.4	13.2	12.3	13.2	13.2
42.5°	48.5	44.6	34.7	23.0	17.9	14.7	12.0	11.1	10.8	11.1	11.4
45°	48.8	43.4	32.6	19.7	14.7	12.0	10.2	9.6	9.3	9.9	9.9
47.5°	49.4	44.0	31.7	17.0	12.0	9.9	8.4	8.1	7.5	7.8	7.8
50°	50.8	45.2	31.1	15.0	10.2	8.7	7.2	6.6	6.3	6.3	6.3
52.5°	52.6	46.7	30.8	14.1	9.3	7.8	6.6	5.7	5.4	5.4	5.4
55°	54.4	48.5	31.1	13.5	8.7	7.2	6.0	5.4	4.5	4.8	4.8
57.5°	56.2	50.0	31.7	13.2	8.4	7.2	6.0	5.1	4.5	4.5	4.8
60°	61.3	54.4	34.7	13.8	8.1	7.2	5.7	4.5	4.2	4.2	4.5
62.5°	64.0	55.9	37.4	14.4	8.1	7.2	5.4	4.5	3.9	4.2	4.5
65°	57.4	51.7	37.1	13.2	7.5	6.6	5.1	4.5	3.9	4.2	4.5
67.5°	48.5	43.4	32.6	11.4	6.6	5.7	4.8	4.2	3.6	3.9	4.2
70°	39.8	34.7	27.2	9.0	5.7	4.8	4.5	3.9	3.3	3.3	3.9
72.5°	29.3	26.6	21.8	6.9	4.5	4.2	3.9	3.3	3.0	2.4	3.3
75°	17.0	16.5	15.3	5.1	3.6	3.3	3.3	2.7	2.1	1.8	2.4
77.5°	5.4	5.7	6.9	3.3	2.7	2.4	2.1	1.8	1.5	1.2	1.8
80°	2.7	3.0	3.0	2.1	1.8	1.8	1.5	1.2	0.9	0.9	0.9
82.5°	1.5	1.5	1.5	1.2	0.9	0.9	0.9	0.6	0.6	0.3	0.6
85°	0.9	0.9	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.0	0.3
87.5°	0.3	0.3	0.3	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: P394803

CATALOG NUMBER: 303-P1-LEDB1-TSAM-UNV-T4-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)