

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: P394739

Luminaire Tested: **303-B1-LEDB2-TSAM-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-5)
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-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 4 WITH EDGE GLOW
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 386.1 lumens
Efficiency: N/A
Efficacy: 31.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
IES Classification: Type III - 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

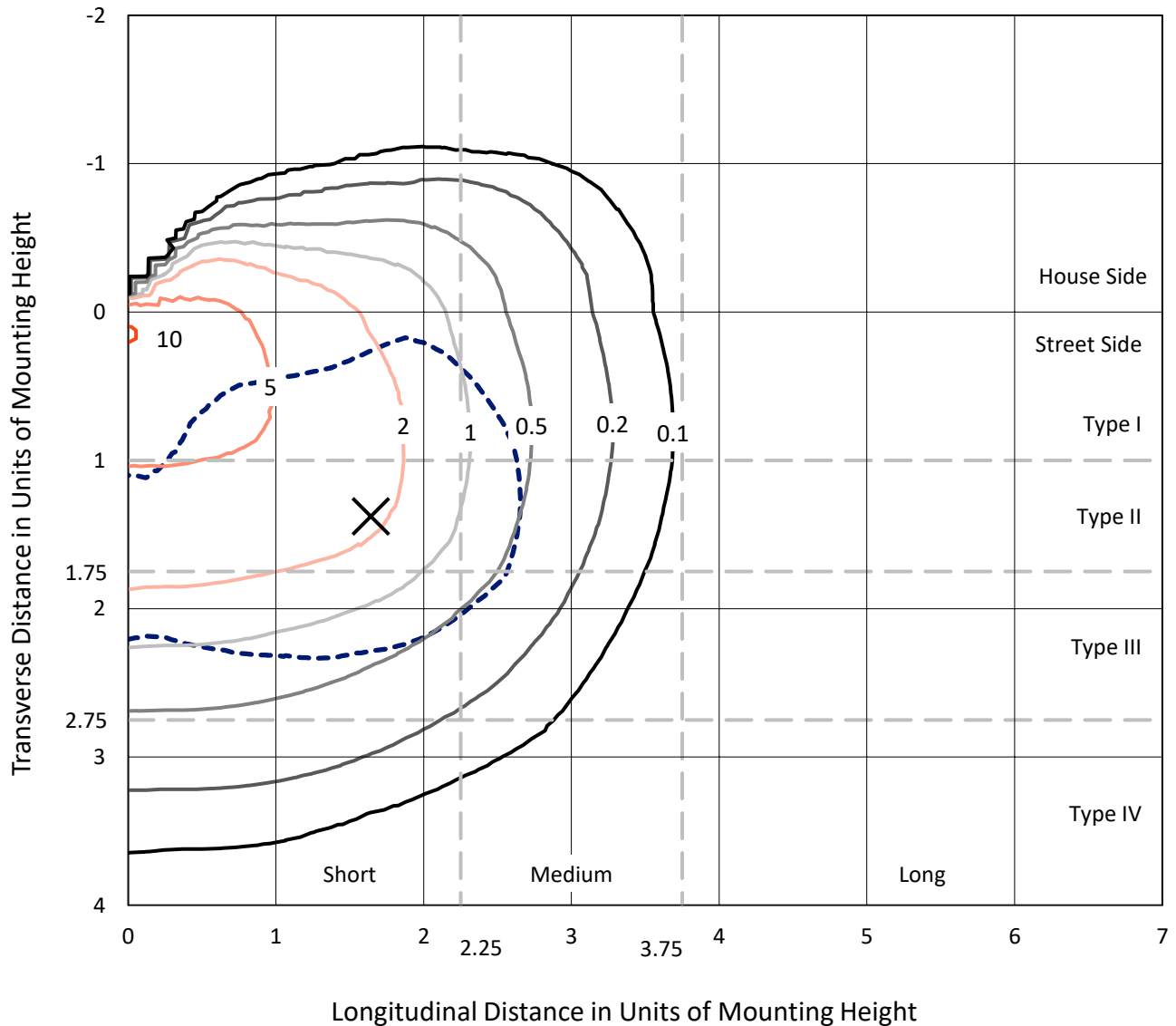


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Iso-Footcandle Lines of Horizontal Illumination

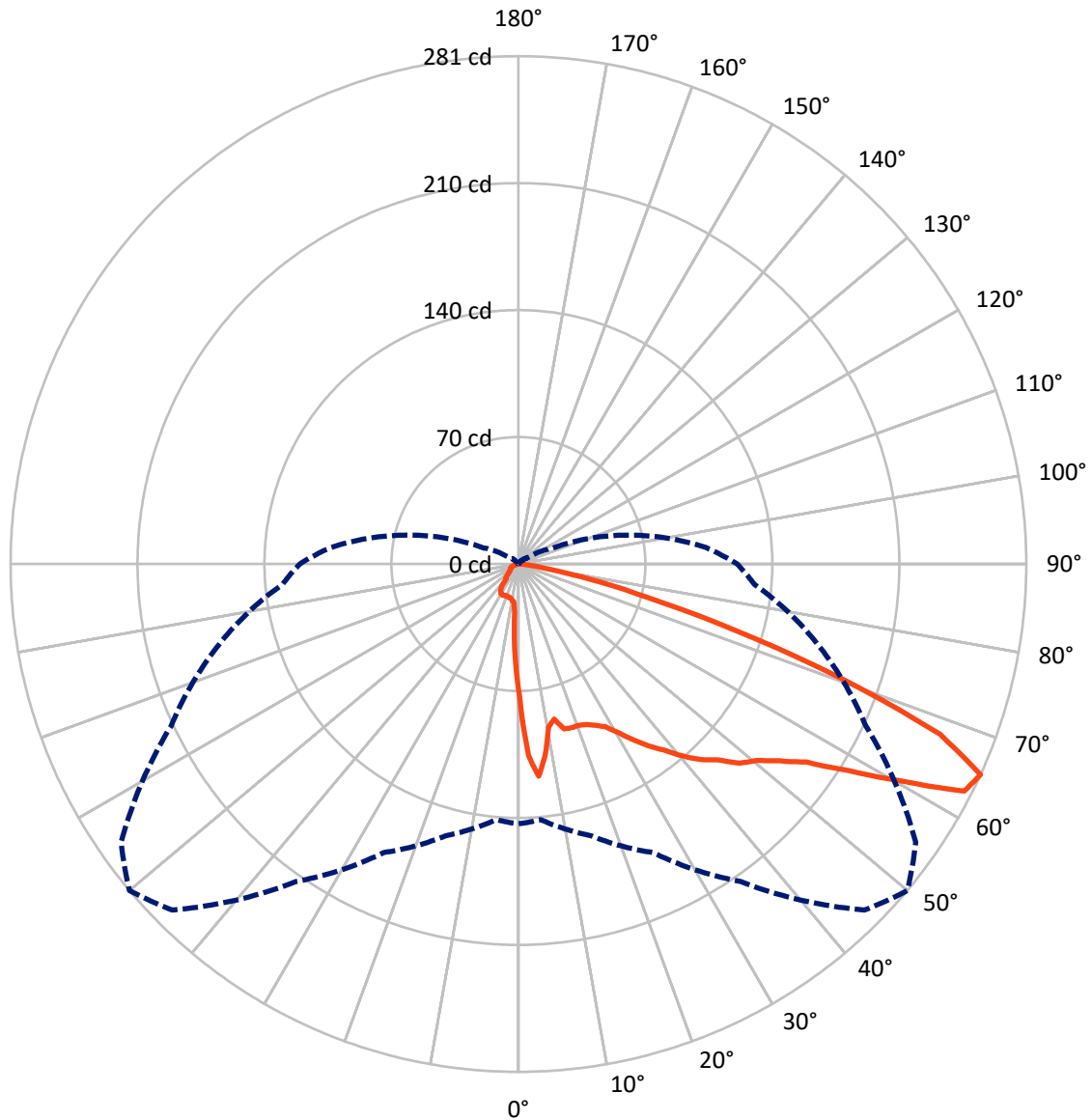
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 10.5 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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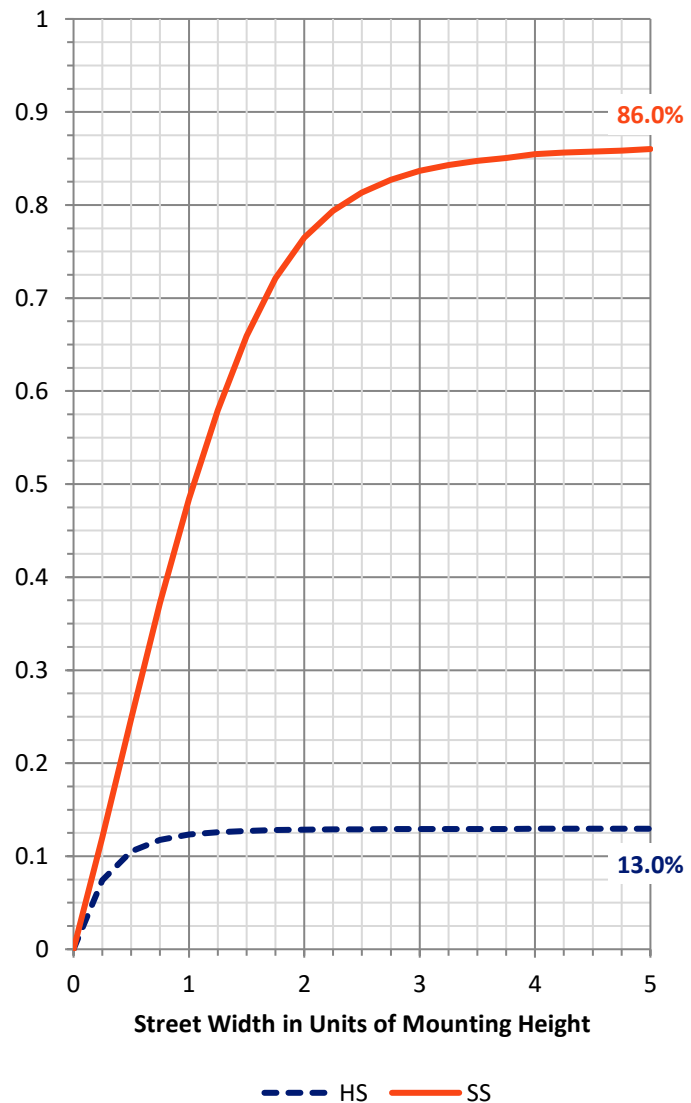
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	50.5	0.0	50.5
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	333.2	2.5	335.7
	% Fixture	86.3	0.6	86.9
Total	Lumens	383.7	2.5	386.1
	% Fixture	99.4	0.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	1.6
10°-20°	16.0	4.1
20°-30°	27.5	7.1
30°-40°	44.1	11.4
40°-50°	61.3	15.9
50°-60°	85.1	22.0
60°-70°	101.8	26.4
70°-80°	38.9	10.1
80°-90°	3.0	0.8
90°-100°	1.0	0.3
100°-110°	0.7	0.2
110°-120°	0.4	0.1
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°	383.7	99.4
0°-180°	386.1	100.0



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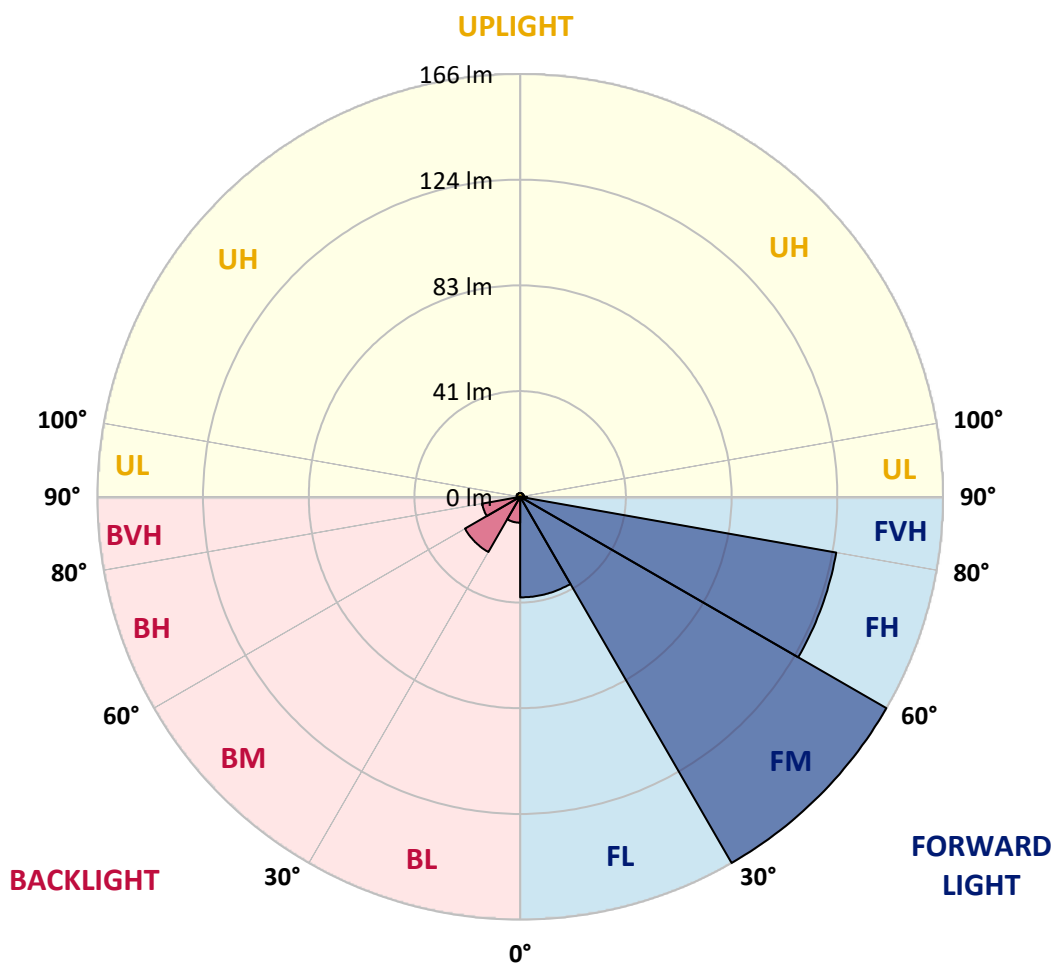
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	39.4	10.2			
FM (30°-60°)	165.5	42.9			
FH (60°-80°)	125.6	32.5			G0/660
FVH (80°-90°)	2.7	0.7			G0/10
BL (0°-30°)	10.1	2.6	B0/110		
BM (30°-60°)	25.0	6.5	B0/220		
BH (60°-80°)	15.1	3.9	B0/110		G0/110
BVH (80°-90°)	0.3	0.1			G0/10
UL (90°-100°)	1.0	0.3		U1/10	
UH (100°-180°)	1.5	0.4		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°	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2.5°	119.6	117.2	116.1	111.9	107.1	104.7	105.9	103.5	102.9	77.8	73.6
5°	111.3	113.7	113.7	116.1	117.8	117.8	117.8	113.1	98.1	91.5	74.8
7.5°	94.5	92.7	95.1	96.3	100.5	102.9	106.5	105.9	98.1	87.9	75.4
10°	101.7	101.7	99.9	98.1	92.7	87.3	91.5	93.9	93.3	85.5	73.0
12.5°	99.9	99.3	99.9	99.9	99.9	92.7	87.9	87.3	87.9	83.7	71.8
15°	93.3	93.9	93.9	92.7	98.1	95.7	94.5	87.3	79.0	82.0	71.8
17.5°	92.7	90.3	93.3	93.9	93.3	95.7	95.1	93.3	78.4	80.8	71.8
20°	96.9	96.9	95.7	93.3	93.9	93.9	95.1	94.5	82.6	79.6	70.0
22.5°	99.9	97.5	98.1	99.3	96.9	96.3	96.3	95.1	88.5	78.4	71.8
25°	101.1	100.5	102.3	101.1	102.3	99.3	98.7	96.3	92.1	80.2	73.6
27.5°	104.1	104.1	104.7	105.9	107.1	102.3	101.7	100.5	96.3	86.1	75.4
30°	107.1	108.3	108.9	108.9	111.9	109.5	107.7	104.7	102.9	92.7	82.0
32.5°	112.5	113.1	114.3	116.7	117.2	114.9	115.5	113.7	106.5	102.3	88.5
35°	118.4	117.2	120.8	123.8	125.6	122.0	123.2	119.0	116.1	107.7	93.3
37.5°	121.4	120.8	125.0	130.4	133.4	130.4	130.4	129.8	118.4	110.7	96.3
40°	127.4	123.8	129.2	135.8	141.8	140.0	139.4	136.4	123.2	113.7	97.5
42.5°	131.0	126.8	134.0	140.0	147.8	149.6	147.8	143.6	131.0	116.1	99.9
45°	132.2	132.2	138.2	144.8	152.5	155.5	154.3	151.3	134.0	119.0	103.5
47.5°	140.6	137.0	143.0	147.8	158.5	163.9	164.5	160.9	140.0	123.2	104.7
50°	143.6	143.6	147.2	153.7	166.3	174.1	170.5	168.7	146.6	126.8	106.5
52.5°	151.9	151.9	154.3	164.5	174.1	185.4	180.7	177.7	157.9	132.2	113.7
55°	163.3	162.1	167.5	171.7	186.6	195.0	193.2	193.2	162.7	139.4	118.4
57.5°	179.5	172.9	177.7	190.2	202.2	216.6	215.4	206.4	180.1	148.4	123.2
60°	177.7	176.5	184.2	202.2	229.7	246.5	243.5	236.3	200.4	163.3	131.6
62.5°	169.9	163.9	179.5	197.4	234.5	271.0	276.4	268.6	218.9	174.7	140.0
65°	143.6	141.8	155.5	175.9	214.2	270.4	280.6	268.0	211.8	171.1	131.0
67.5°	127.4	126.2	135.8	150.7	182.5	236.9	251.2	242.3	196.2	151.3	115.5
70°	101.7	102.9	113.1	126.2	144.2	179.5	189.0	198.6	160.3	128.0	95.1
72.5°	71.8	72.4	81.4	95.1	106.5	117.8	124.4	131.6	115.5	95.7	71.8
75°	44.9	43.7	49.7	52.6	62.2	75.4	73.0	71.2	67.6	59.2	45.5
77.5°	19.7	20.3	23.3	29.9	32.3	40.1	40.7	38.3	32.3	25.7	17.3
80°	12.6	12.0	13.2	15.0	16.7	17.3	15.6	14.4	13.8	10.8	6.0
82.5°	7.2	6.6	7.2	7.8	8.4	9.0	7.8	7.2	5.4	5.4	2.4
85°	4.8	4.2	4.2	4.2	4.2	3.6	3.6	3.0	3.0	1.8	1.2
87.5°	3.6	3.6	3.6	3.6	3.0	2.4	2.4	1.8	1.2	0.6	0.0
90°	3.6	3.6	3.6	3.0	3.0	2.4	1.8	1.8	1.2	0.6	0.0
92.5°	3.0	3.0	3.0	3.0	2.4	2.4	1.8	1.8	1.2	0.6	0.0
95°	3.0	3.0	3.0	3.0	2.4	1.8	1.8	1.8	1.2	0.6	0.0
97.5°	3.0	3.0	3.0	2.4	2.4	1.8	1.8	1.8	1.2	0.6	0.0
100°	2.4	2.4	2.4	2.4	1.8	1.8	1.8	1.2	1.2	0.6	0.0
102.5°	2.4	2.4	2.4	2.4	1.8	1.8	1.2	1.2	0.6	0.6	0.0
105°	2.4	2.4	2.4	1.8	1.8	1.2	1.2	1.2	0.6	0.6	0.0
107.5°	1.8	1.8	1.8	1.8	1.8	1.2	1.2	1.2	0.6	0.6	0.0
110°	1.8	1.8	1.8	1.8	1.2	1.2	1.2	1.2	0.6	0.6	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	1.8	1.8	1.8	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.0
115°	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.0
117.5°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.0	0.0
120°	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.0	0.0
122.5°	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
125°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
127.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
130°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
132.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0
135°	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.6	0.6	0.6	0.6	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
2.5°	72.4	71.8	70.6	71.8	66.4	37.7	32.9	31.1	30.5	29.3	30.5
5°	73.0	71.2	71.2	46.1	39.5	13.2	1.2	0.0	0.0	0.0	0.0
7.5°	71.2	71.2	61.6	44.3	29.9	12.0	1.2	0.0	0.0	0.0	0.0
10°	71.2	70.6	60.4	43.7	28.7	12.0	0.6	0.0	0.0	0.0	0.0
12.5°	70.6	71.2	59.2	43.7	27.5	11.4	0.6	0.0	0.0	0.0	0.0
15°	70.6	70.6	57.4	43.7	26.9	11.4	0.6	0.0	0.0	0.0	0.0
17.5°	70.0	70.0	56.8	43.1	26.9	11.4	0.6	0.0	0.0	0.0	0.0
20°	69.4	69.4	55.6	41.3	25.7	11.4	0.6	0.0	0.0	0.0	0.0
22.5°	68.8	69.4	55.0	41.3	26.3	11.4	0.6	0.0	0.0	0.0	0.0
25°	71.8	70.6	56.8	41.9	26.9	11.4	0.6	0.0	0.0	0.0	0.0
27.5°	75.4	74.2	58.0	43.7	26.9	11.4	0.6	0.0	0.0	0.0	0.0
30°	79.6	77.8	59.8	45.5	26.9	11.4	0.6	0.0	0.0	0.0	0.0
32.5°	84.3	80.8	61.0	44.9	26.3	10.8	0.6	0.0	0.0	0.0	0.0
35°	87.9	83.7	60.4	43.1	24.5	10.2	0.6	0.0	0.0	0.0	0.0
37.5°	89.7	84.9	60.4	39.5	21.5	9.0	0.6	0.0	0.0	0.0	0.0
40°	92.7	85.5	58.6	36.5	16.2	4.8	0.6	0.0	0.0	0.0	0.0
42.5°	93.9	86.1	55.6	31.1	15.0	6.0	0.6	0.0	0.0	0.0	0.0
45°	95.1	85.5	52.6	28.7	12.0	5.4	0.6	0.0	0.0	0.0	0.0
47.5°	96.9	84.9	50.8	25.7	10.2	4.8	0.6	0.0	0.0	0.0	0.0
50°	101.7	87.9	50.8	23.3	9.0	4.2	0.6	0.0	0.0	0.0	0.0
52.5°	104.1	90.9	52.0	22.1	8.4	3.6	0.6	0.0	0.0	0.0	0.0
55°	108.9	93.9	52.0	20.9	7.8	3.0	0.6	0.0	0.0	0.0	0.0
57.5°	114.9	96.9	54.4	20.3	7.2	3.0	0.6	0.0	0.0	0.0	0.0
60°	122.0	102.9	56.8	20.3	7.2	3.0	0.6	0.0	0.0	0.0	0.0
62.5°	125.0	108.3	61.6	20.9	6.6	3.0	0.6	0.0	0.0	0.0	0.0
65°	120.8	104.1	61.6	20.9	6.0	3.0	0.6	0.0	0.0	0.0	0.0
67.5°	101.7	93.9	57.4	19.1	5.4	3.0	0.6	0.0	0.0	0.0	0.0
70°	82.0	77.8	49.1	15.6	4.8	1.8	0.6	0.0	0.0	0.0	0.0
72.5°	63.4	60.4	38.9	11.4	4.2	1.8	0.6	0.0	0.0	0.0	0.0
75°	37.7	38.3	26.9	7.8	3.0	1.8	0.6	0.0	0.0	0.0	0.0
77.5°	15.0	16.7	12.6	5.4	2.4	1.2	0.6	0.0	0.0	0.0	0.0
80°	4.8	5.4	4.8	3.0	1.8	0.6	0.0	0.0	0.0	0.0	0.0
82.5°	2.4	2.4	2.4	1.8	0.6	0.6	0.0	0.0	0.0	0.0	0.0
85°	1.2	0.6	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: P394739

CATALOG NUMBER: 303-B1-LEDB2-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)