

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: P394738

Luminaire Tested: **303-B1-LEDB1-TSAM-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394738
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-LEDB1-TSAM-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 4 WITH EDGE GLOW
Light Source: AMBER LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 193.1 lumens
Efficiency: N/A
Efficacy: 29.7 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

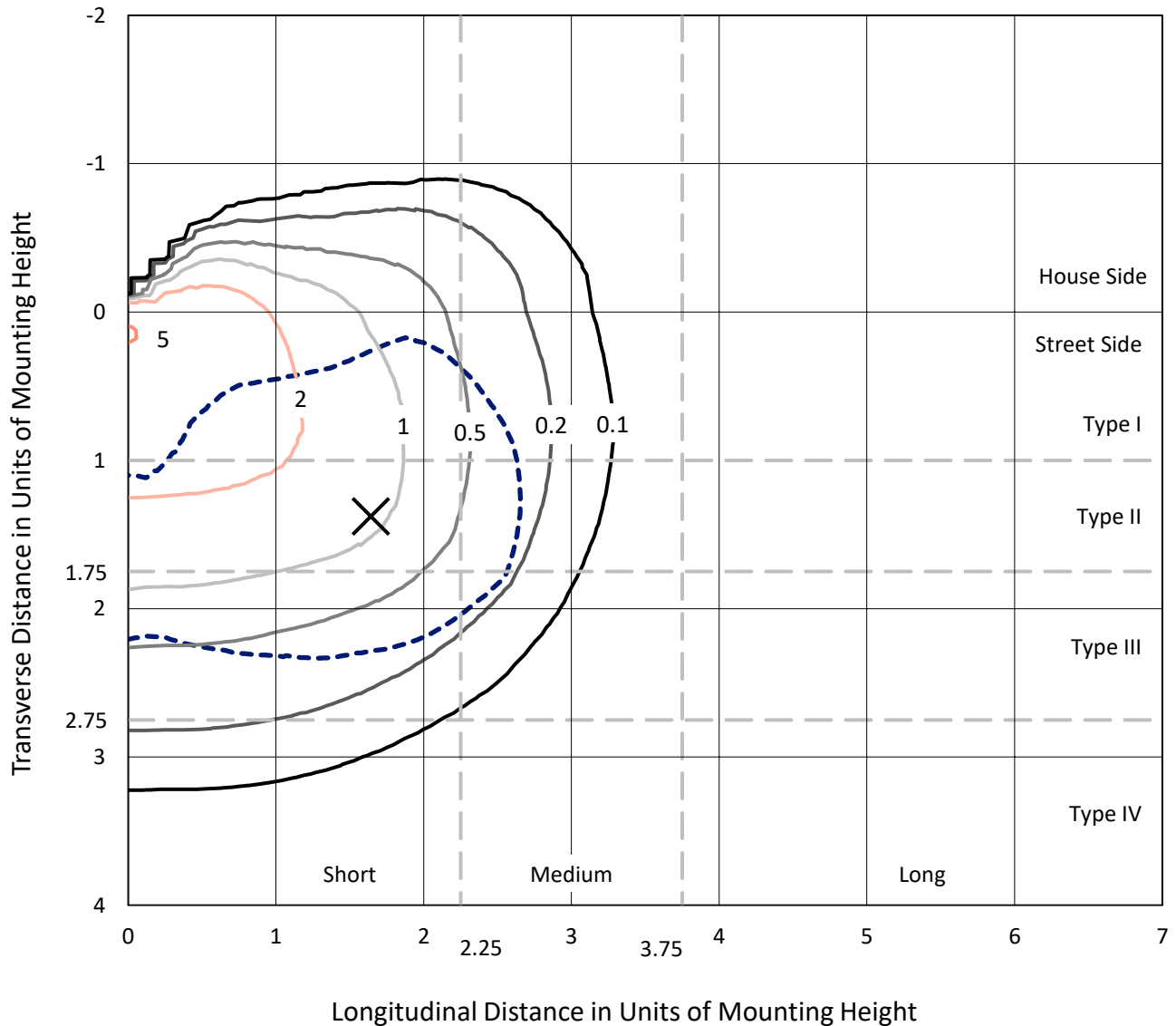


REPORT NUMBER: P394738

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10-EDGE

Iso-Footcandle Lines of Horizontal Illumination

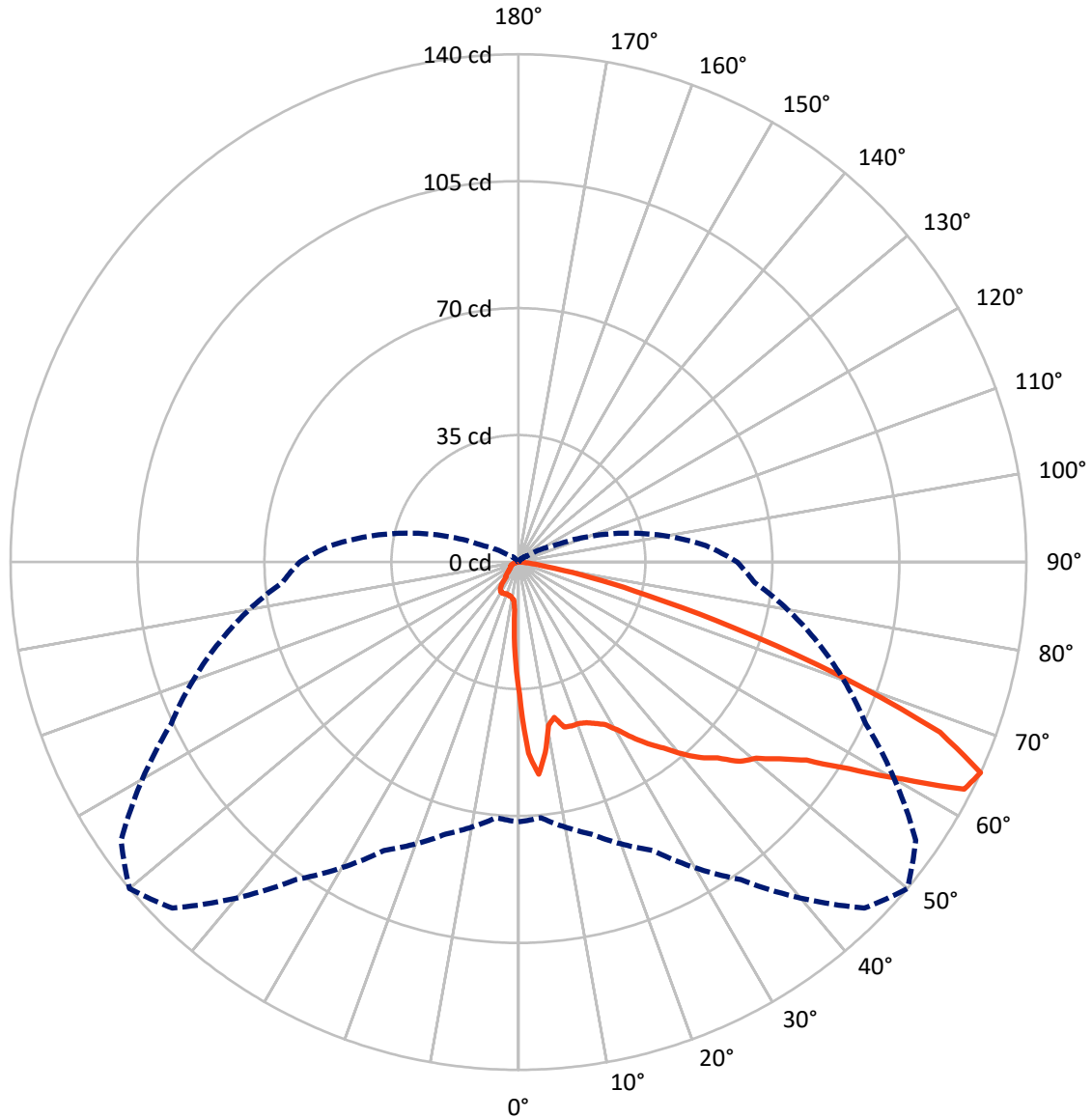
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 5.3 fc
 Type III - Short - N/A

REPORT NUMBER: P394738
CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10-EDGE

Luminous Intensity Polar Plot



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

REPORT NUMBER: P394738

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10-EDGE

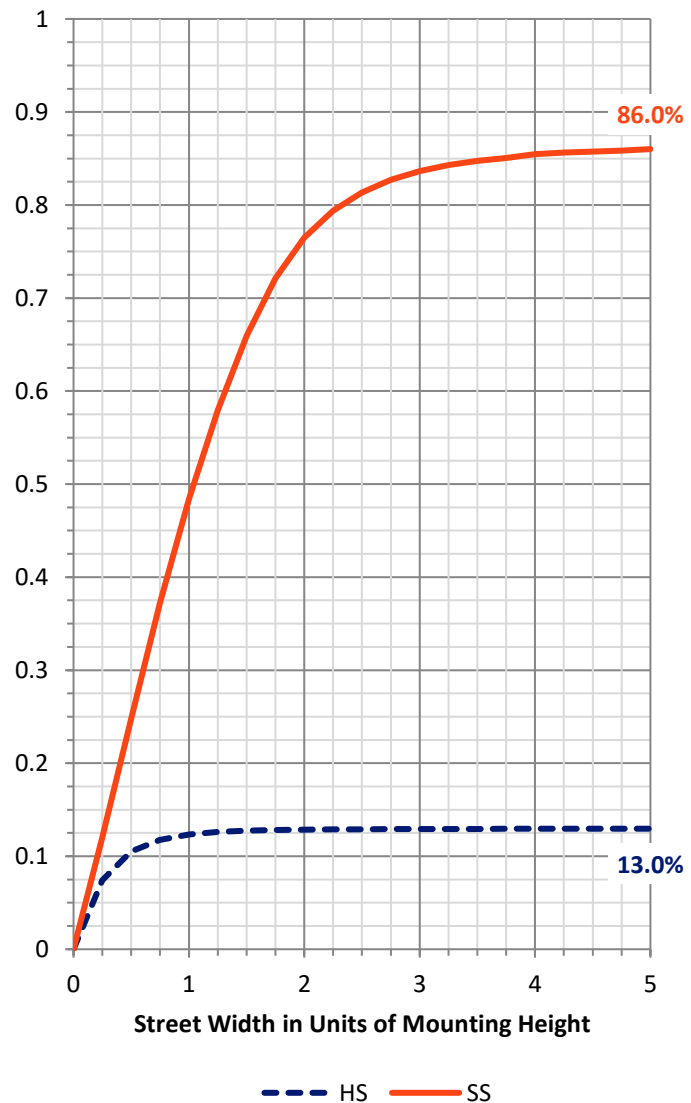
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25.2	0.0	25.2
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	166.6	1.2	167.8
	% Fixture	86.3	0.6	86.9
Total	Lumens	191.8	1.2	193.1
	% Fixture	99.4	0.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	1.6
10°-20°	8.0	4.1
20°-30°	13.7	7.1
30°-40°	22.1	11.4
40°-50°	30.6	15.9
50°-60°	42.5	22.0
60°-70°	50.9	26.4
70°-80°	19.5	10.1
80°-90°	1.5	0.8
90°-100°	0.5	0.3
100°-110°	0.4	0.2
110°-120°	0.2	0.1
120°-130°	0.1	0.1
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°	191.8	99.4
0°-180°	193.1	100.0



REPORT NUMBER: P394738

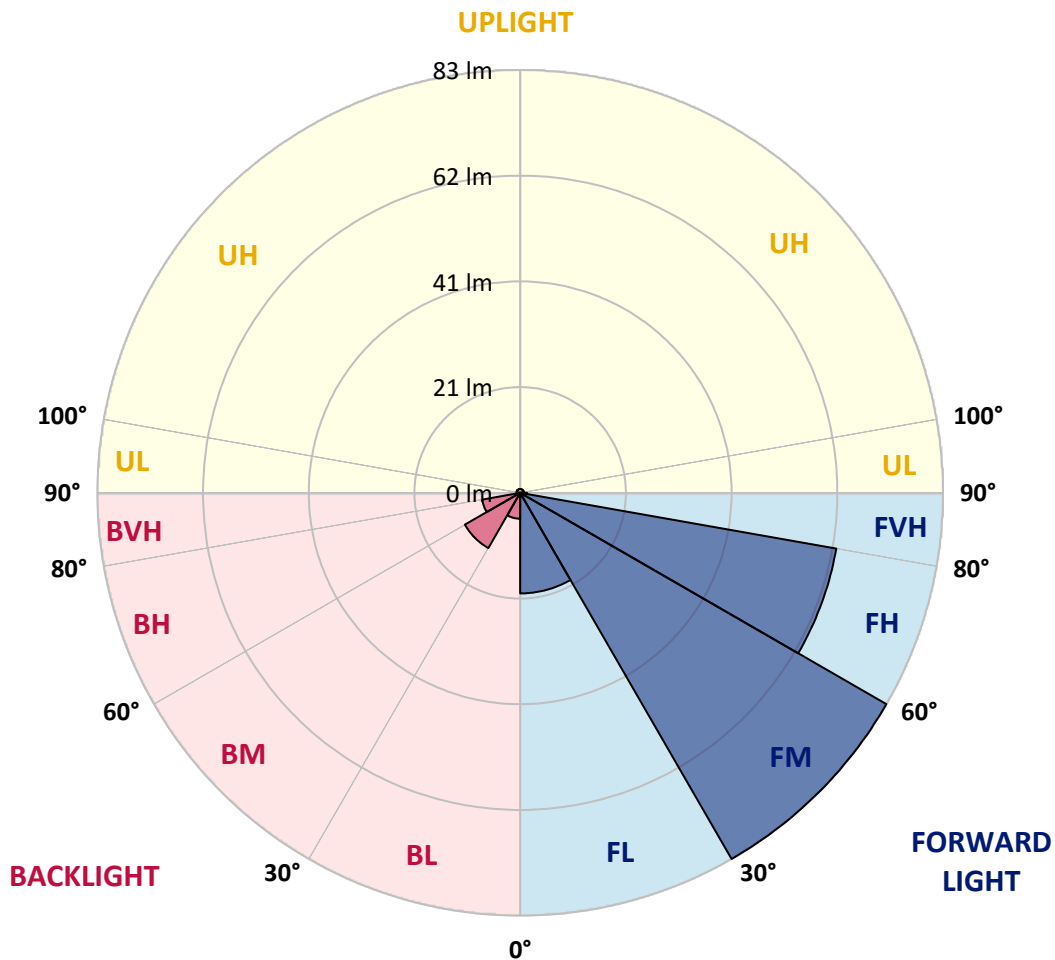
CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	19.7	10.2			
FM (30°-60°)	82.8	42.9			
FH (60°-80°)	62.8	32.5			G0/660
FVH (80°-90°)	1.3	0.7			G0/10
BL (0°-30°)	5.1	2.6	B0/110		
BM (30°-60°)	12.5	6.5	B0/220		
BH (60°-80°)	7.6	3.9	B0/110		G0/110
BVH (80°-90°)	0.1	0.1			G0/10
UL (90°-100°)	0.5	0.3		U1/10	
UH (100°-180°)	0.7	0.4		U1/10	

BUG Rating: B0-U1-G0

Type III Short





REPORT NUMBER: P394738

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
2.5°	59.8	58.6	58.0	55.9	53.5	52.3	52.9	51.7	51.4	38.9	36.8
5°	55.6	56.8	56.8	58.0	58.9	58.9	58.9	56.5	49.1	45.8	37.4
7.5°	47.3	46.4	47.6	48.2	50.2	51.4	53.2	52.9	49.1	44.0	37.7
10°	50.8	50.8	50.0	49.1	46.4	43.7	45.8	47.0	46.7	42.8	36.5
12.5°	50.0	49.7	50.0	50.0	50.0	46.4	44.0	43.7	44.0	41.9	35.9
15°	46.7	47.0	47.0	46.4	49.1	47.9	47.3	43.7	39.5	41.0	35.9
17.5°	46.4	45.2	46.7	47.0	46.7	47.9	47.6	46.7	39.2	40.4	35.9
20°	48.5	48.5	47.9	46.7	47.0	47.0	47.6	47.3	41.3	39.8	35.0
22.5°	50.0	48.8	49.1	49.7	48.5	48.2	48.2	47.6	44.3	39.2	35.9
25°	50.5	50.2	51.1	50.5	51.1	49.7	49.4	48.2	46.1	40.1	36.8
27.5°	52.0	52.0	52.3	52.9	53.5	51.1	50.8	50.2	48.2	43.1	37.7
30°	53.5	54.1	54.4	54.4	55.9	54.7	53.8	52.3	51.4	46.4	41.0
32.5°	56.2	56.5	57.1	58.3	58.6	57.4	57.7	56.8	53.2	51.1	44.3
35°	59.2	58.6	60.4	61.9	62.8	61.0	61.6	59.5	58.0	53.8	46.7
37.5°	60.7	60.4	62.5	65.2	66.7	65.2	65.2	64.9	59.2	55.3	48.2
40°	63.7	61.9	64.6	67.9	70.9	70.0	69.7	68.2	61.6	56.8	48.8
42.5°	65.5	63.4	67.0	70.0	73.9	74.8	73.9	71.8	65.5	58.0	50.0
45°	66.1	66.1	69.1	72.4	76.3	77.8	77.2	75.7	67.0	59.5	51.7
47.5°	70.3	68.5	71.5	73.9	79.3	82.0	82.3	80.5	70.0	61.6	52.3
50°	71.8	71.8	73.6	76.9	83.2	87.0	85.2	84.3	73.3	63.4	53.2
52.5°	76.0	76.0	77.2	82.3	87.0	92.7	90.3	88.8	79.0	66.1	56.8
55°	81.7	81.1	83.7	85.8	93.3	97.5	96.6	96.6	81.4	69.7	59.2
57.5°	89.7	86.4	88.8	95.1	101.1	108.3	107.7	103.2	90.0	74.2	61.6
60°	88.8	88.2	92.1	101.1	114.9	123.2	121.7	118.1	100.2	81.7	65.8
62.5°	84.9	82.0	89.7	98.7	117.2	135.5	138.2	134.3	109.5	87.3	70.0
65°	71.8	70.9	77.8	87.9	107.1	135.2	140.3	134.0	105.9	85.5	65.5
67.5°	63.7	63.1	67.9	75.4	91.2	118.4	125.6	121.1	98.1	75.7	57.7
70°	50.8	51.4	56.5	63.1	72.1	89.7	94.5	99.3	80.2	64.0	47.6
72.5°	35.9	36.2	40.7	47.6	53.2	58.9	62.2	65.8	57.7	47.9	35.9
75°	22.4	21.8	24.8	26.3	31.1	37.7	36.5	35.6	33.8	29.6	22.7
77.5°	9.9	10.2	11.7	15.0	16.2	20.0	20.3	19.1	16.2	12.9	8.7
80°	6.3	6.0	6.6	7.5	8.4	8.7	7.8	7.2	6.9	5.4	3.0
82.5°	3.6	3.3	3.6	3.9	4.2	4.5	3.9	3.6	2.7	2.7	1.2
85°	2.4	2.1	2.1	2.1	2.1	1.8	1.8	1.5	1.5	0.9	0.6
87.5°	1.8	1.8	1.8	1.8	1.5	1.2	1.2	0.9	0.6	0.3	0.0
90°	1.8	1.8	1.8	1.5	1.5	1.2	0.9	0.9	0.6	0.3	0.0
92.5°	1.5	1.5	1.5	1.5	1.2	1.2	0.9	0.9	0.6	0.3	0.0
95°	1.5	1.5	1.5	1.5	1.2	0.9	0.9	0.9	0.6	0.3	0.0
97.5°	1.5	1.5	1.5	1.2	1.2	0.9	0.9	0.9	0.6	0.3	0.0
100°	1.2	1.2	1.2	1.2	0.9	0.9	0.9	0.6	0.6	0.3	0.0
102.5°	1.2	1.2	1.2	1.2	0.9	0.9	0.6	0.6	0.3	0.3	0.0
105°	1.2	1.2	1.2	0.9	0.9	0.6	0.6	0.6	0.3	0.3	0.0
107.5°	0.9	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.3	0.3	0.0
110°	0.9	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.0



REPORT NUMBER: P394738

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	0.9	0.9	0.9	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.0
115°	0.6	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.0
117.5°	0.6	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.0	0.0
120°	0.6	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.0	0.0
122.5°	0.6	0.6	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
125°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0
127.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
130°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0
132.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0
135°	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.3	0.3	0.3	0.3	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



REPORT NUMBER: P394738

CATALOG NUMBER: 303-B1-LEDB1-TSAM-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
2.5°	36.2	35.9	35.3	35.9	33.2	18.8	16.5	15.6	15.3	14.7	15.3
5°	36.5	35.6	35.6	23.0	19.7	6.6	0.6	0.0	0.0	0.0	0.0
7.5°	35.6	35.6	30.8	22.1	15.0	6.0	0.6	0.0	0.0	0.0	0.0
10°	35.6	35.3	30.2	21.8	14.4	6.0	0.3	0.0	0.0	0.0	0.0
12.5°	35.3	35.6	29.6	21.8	13.8	5.7	0.3	0.0	0.0	0.0	0.0
15°	35.3	35.3	28.7	21.8	13.5	5.7	0.3	0.0	0.0	0.0	0.0
17.5°	35.0	35.0	28.4	21.5	13.5	5.7	0.3	0.0	0.0	0.0	0.0
20°	34.7	34.7	27.8	20.6	12.9	5.7	0.3	0.0	0.0	0.0	0.0
22.5°	34.4	34.7	27.5	20.6	13.2	5.7	0.3	0.0	0.0	0.0	0.0
25°	35.9	35.3	28.4	20.9	13.5	5.7	0.3	0.0	0.0	0.0	0.0
27.5°	37.7	37.1	29.0	21.8	13.5	5.7	0.3	0.0	0.0	0.0	0.0
30°	39.8	38.9	29.9	22.7	13.5	5.7	0.3	0.0	0.0	0.0	0.0
32.5°	42.2	40.4	30.5	22.4	13.2	5.4	0.3	0.0	0.0	0.0	0.0
35°	44.0	41.9	30.2	21.5	12.3	5.1	0.3	0.0	0.0	0.0	0.0
37.5°	44.9	42.5	30.2	19.7	10.8	4.5	0.3	0.0	0.0	0.0	0.0
40°	46.4	42.8	29.3	18.2	8.1	2.4	0.3	0.0	0.0	0.0	0.0
42.5°	47.0	43.1	27.8	15.6	7.5	3.0	0.3	0.0	0.0	0.0	0.0
45°	47.6	42.8	26.3	14.4	6.0	2.7	0.3	0.0	0.0	0.0	0.0
47.5°	48.5	42.5	25.4	12.9	5.1	2.4	0.3	0.0	0.0	0.0	0.0
50°	50.8	44.0	25.4	11.7	4.5	2.1	0.3	0.0	0.0	0.0	0.0
52.5°	52.0	45.5	26.0	11.1	4.2	1.8	0.3	0.0	0.0	0.0	0.0
55°	54.4	47.0	26.0	10.5	3.9	1.5	0.3	0.0	0.0	0.0	0.0
57.5°	57.4	48.5	27.2	10.2	3.6	1.5	0.3	0.0	0.0	0.0	0.0
60°	61.0	51.4	28.4	10.2	3.6	1.5	0.3	0.0	0.0	0.0	0.0
62.5°	62.5	54.1	30.8	10.5	3.3	1.5	0.3	0.0	0.0	0.0	0.0
65°	60.4	52.0	30.8	10.5	3.0	1.5	0.3	0.0	0.0	0.0	0.0
67.5°	50.8	47.0	28.7	9.6	2.7	1.5	0.3	0.0	0.0	0.0	0.0
70°	41.0	38.9	24.5	7.8	2.4	0.9	0.3	0.0	0.0	0.0	0.0
72.5°	31.7	30.2	19.4	5.7	2.1	0.9	0.3	0.0	0.0	0.0	0.0
75°	18.8	19.1	13.5	3.9	1.5	0.9	0.3	0.0	0.0	0.0	0.0
77.5°	7.5	8.4	6.3	2.7	1.2	0.6	0.3	0.0	0.0	0.0	0.0
80°	2.4	2.7	2.4	1.5	0.9	0.3	0.0	0.0	0.0	0.0	0.0
82.5°	1.2	1.2	1.2	0.9	0.3	0.3	0.0	0.0	0.0	0.0	0.0
85°	0.6	0.3	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: P394738

CATALOG NUMBER: 303-B1-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)