

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: P394757

Luminaire Tested: **303-B1-LEDB2-TSAM-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394757  
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-LEDB2-TSAM-UNV-T5X-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 5 WITH EDGE GLOW  
Light Source: AMBER LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 361.6 lumens  
Efficiency: N/A  
Efficacy: 29.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')  
IES Classification: Type I - 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

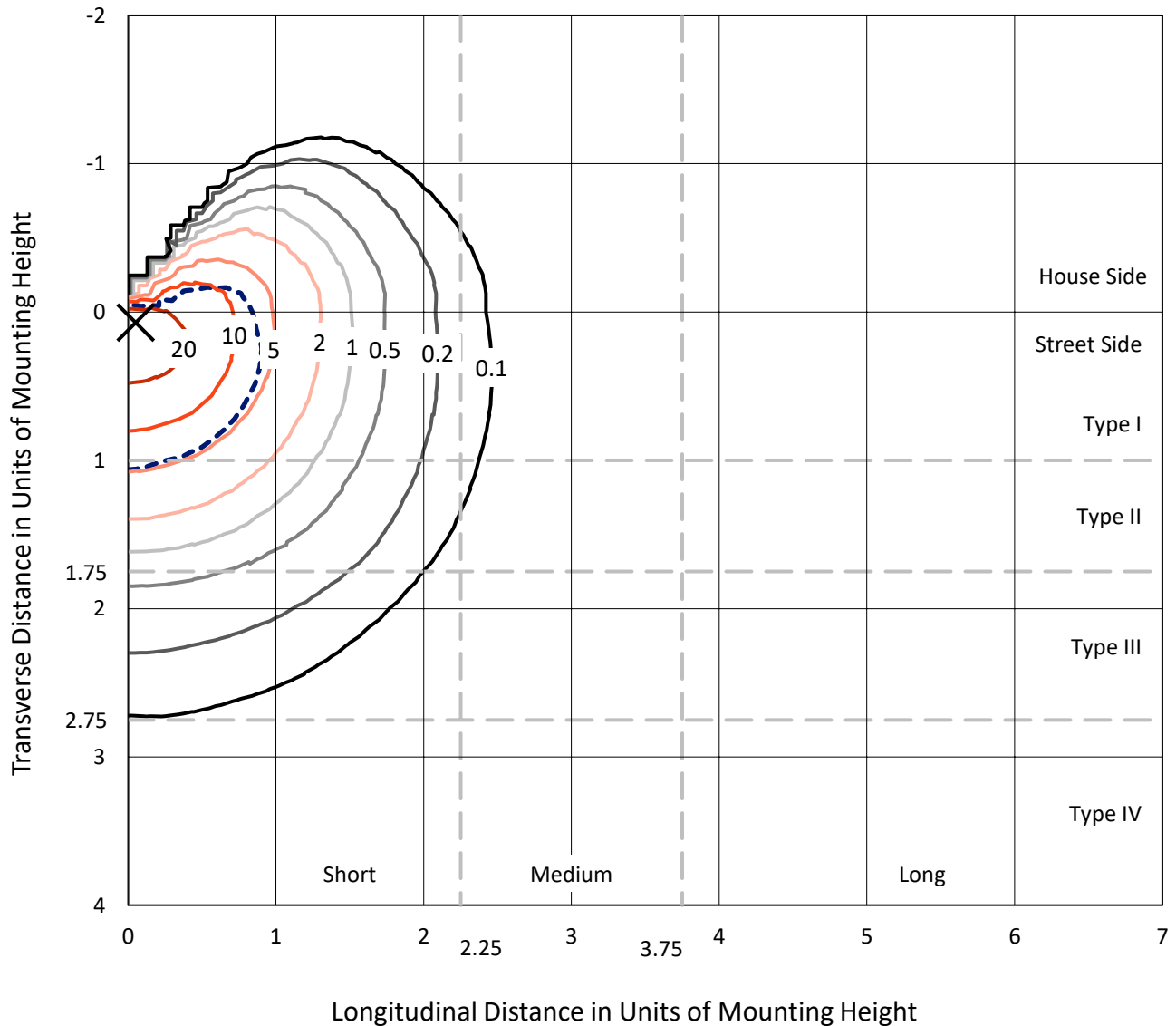


REPORT NUMBER: P394757

CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T5X-DIM10-EDGE

### Iso-Footcandle Lines of Horizontal Illumination

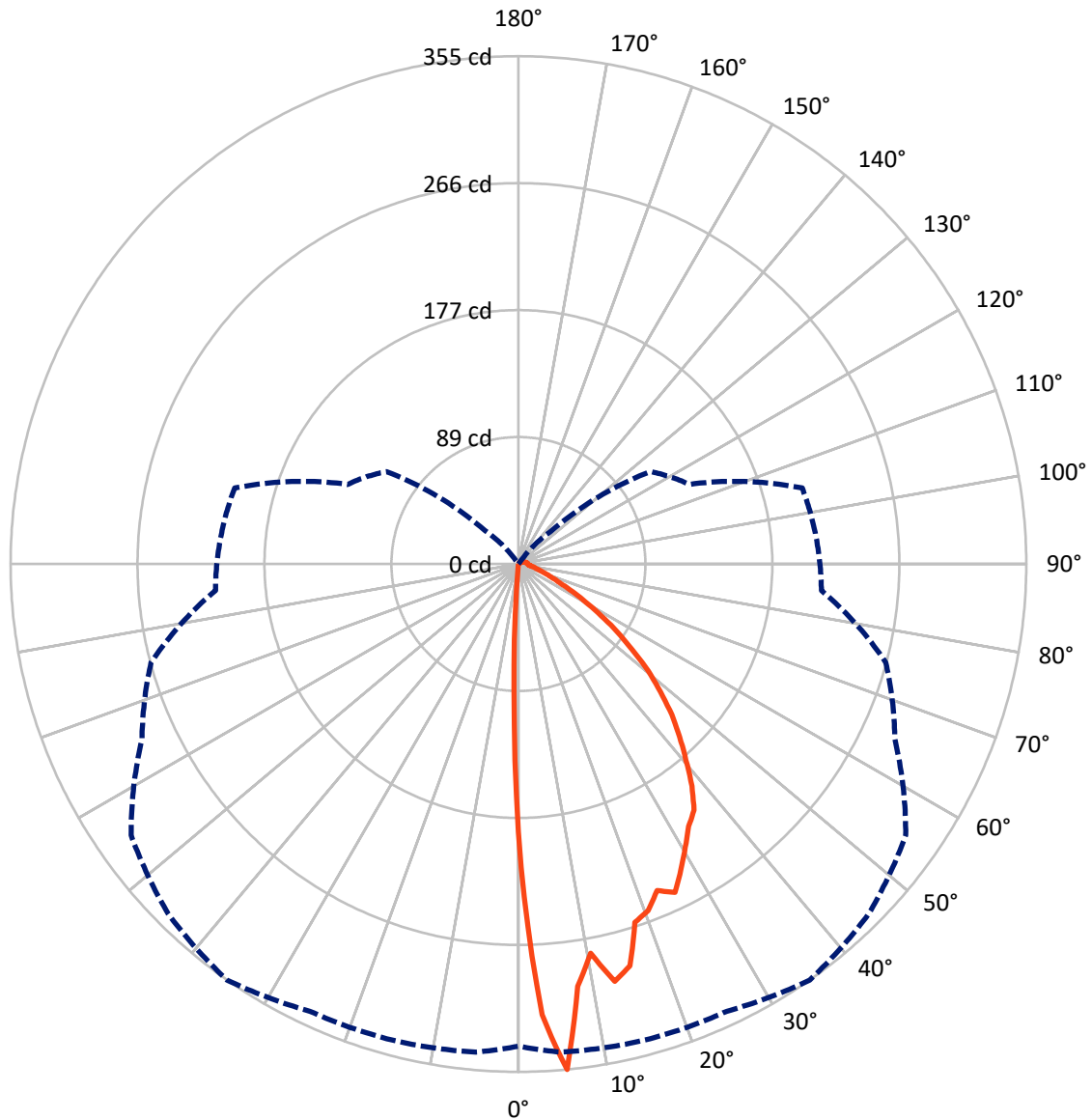
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 31.3 fc  
 Type I - Short - N/A

REPORT NUMBER: P394757  
CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T5X-DIM10-EDGE

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P394757

CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T5X-DIM10-EDGE

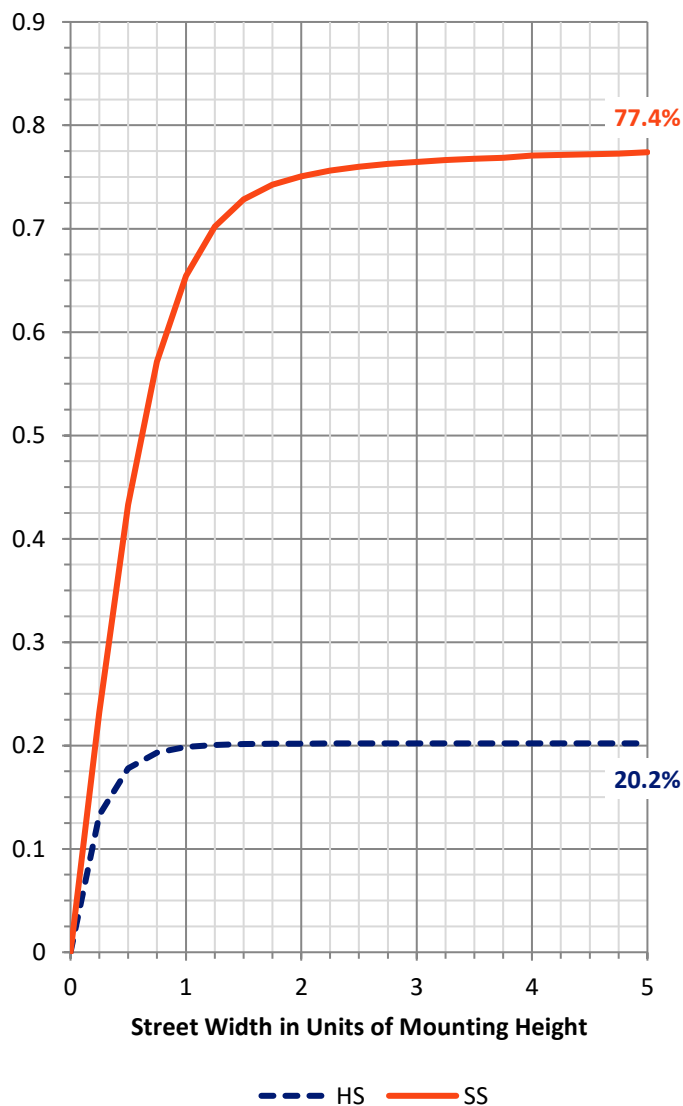
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	73.8	0.0	73.8
	% Fixture	20.4	0.0	20.4
<b>Street Side</b>	Lumens	281.2	6.5	287.7
	% Fixture	77.8	1.8	79.6
<b>Total</b>	Lumens	355.0	6.5	361.6
	% Fixture	98.2	1.8	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	17.7	4.9
10°-20°	46.4	12.8
20°-30°	68.9	19.1
30°-40°	78.2	21.6
40°-50°	69.9	19.3
50°-60°	44.4	12.3
60°-70°	18.5	5.1
70°-80°	7.6	2.1
80°-90°	3.2	0.9
90°-100°	2.5	0.7
100°-110°	1.8	0.5
110°-120°	1.1	0.3
120°-130°	0.6	0.2
130°-140°	0.3	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°	355.0	98.2
0°-180°	361.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P394757

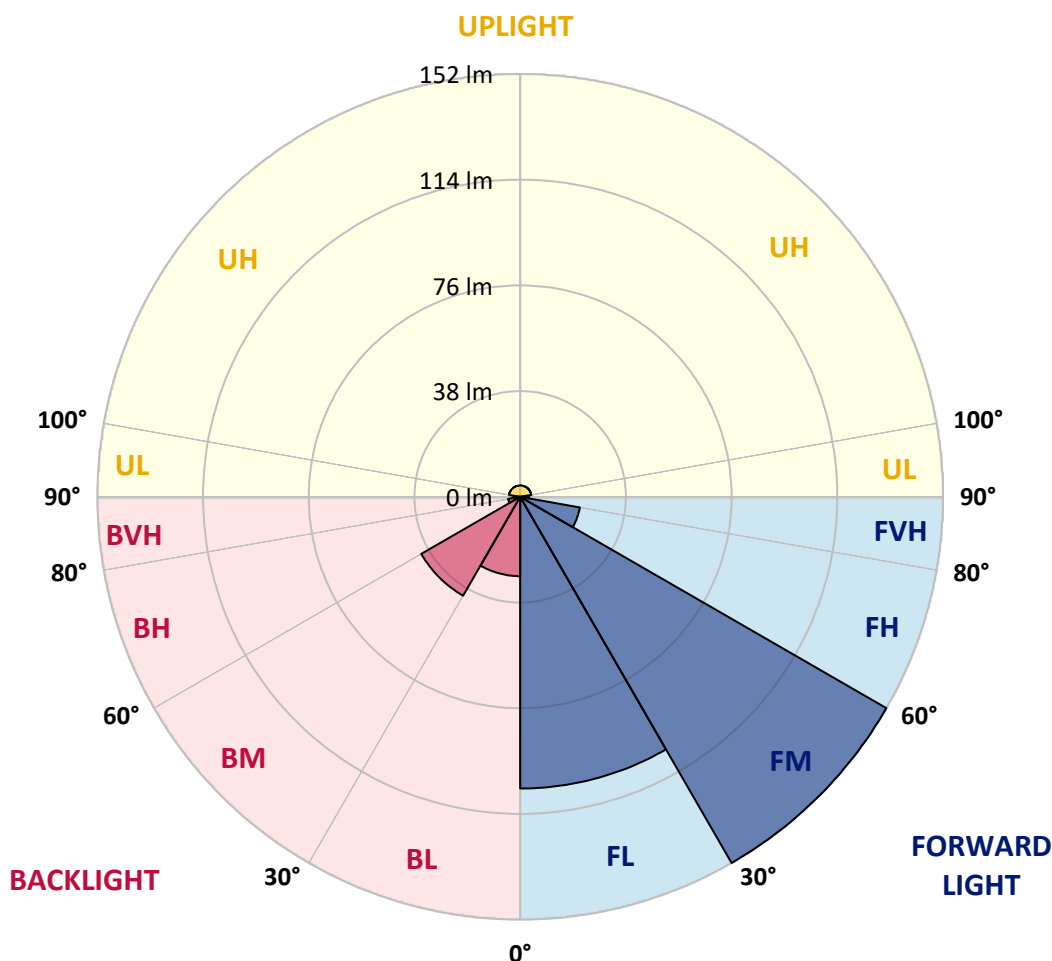
CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T5X-DIM10-EDGE

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	104.6	28.9			
FM (30°-60°)	151.6	41.9			
FH (60°-80°)	21.8	6.0			G0/660
FVH (80°-90°)	3.2	0.9			G0/10
BL (0°-30°)	28.5	7.9	B0/110		
BM (30°-60°)	40.9	11.3	B0/220		
BH (60°-80°)	4.4	1.2	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	2.5	0.7		U1/10	
UH (100°-180°)	4.1	1.1		U1/10	

**BUG Rating: B0-U1-G0**

Type I Short





REPORT NUMBER: P394757

CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8
2.5°	342.2	338.0	322.4	327.8	315.3	312.9	304.5	284.2	223.7	214.8	208.2
5°	336.8	342.2	344.0	344.6	354.7	345.8	330.2	290.1	265.6	212.4	210.6
7.5°	280.0	287.1	281.2	283.6	297.9	314.1	306.3	293.7	260.8	214.8	205.8
10°	301.5	303.9	296.7	284.7	276.4	263.8	276.4	285.3	256.0	207.0	204.6
12.5°	296.1	305.7	302.1	310.5	299.1	262.0	247.7	263.2	251.8	208.2	203.4
15°	268.0	271.6	271.0	280.6	291.3	287.1	256.6	232.1	244.7	207.6	199.8
17.5°	259.0	263.2	260.8	262.6	263.2	278.2	267.4	227.9	241.1	207.0	199.2
20°	262.0	262.6	257.8	259.0	258.4	258.4	262.6	229.7	230.3	204.0	194.4
22.5°	257.8	257.8	258.4	263.2	247.7	247.1	249.5	243.5	216.0	200.4	195.6
25°	248.9	250.1	248.3	254.2	254.2	242.3	233.3	238.7	205.8	199.2	194.4
27.5°	238.1	242.3	238.1	241.7	241.7	240.5	225.5	230.9	202.2	193.8	187.2
30°	227.9	230.3	227.9	231.5	229.7	232.1	218.3	217.2	195.6	184.8	180.7
32.5°	217.2	218.3	216.6	218.9	218.3	215.4	210.0	205.2	192.6	182.5	175.9
35°	205.2	208.8	200.4	208.2	211.2	204.6	198.6	192.6	183.7	163.3	165.7
37.5°	193.8	193.2	190.8	194.4	196.8	192.0	184.8	180.1	171.7	157.3	155.5
40°	181.9	183.1	179.5	179.5	180.1	178.3	170.5	166.9	161.5	144.8	144.2
42.5°	171.1	168.7	165.1	165.1	165.1	161.5	157.3	153.7	147.8	134.6	132.8
45°	155.5	153.1	149.0	150.7	150.2	146.6	144.2	140.6	134.0	123.8	119.0
47.5°	138.8	140.0	135.2	137.6	133.4	132.2	128.0	122.6	118.4	109.5	105.9
50°	122.0	122.0	116.7	118.4	117.8	116.1	110.7	107.7	103.5	95.1	93.9
52.5°	104.1	104.7	101.1	102.9	99.3	98.7	94.5	92.1	85.5	77.8	79.0
55°	86.1	87.3	84.3	85.5	83.7	82.6	78.4	74.8	70.0	64.0	61.6
57.5°	68.2	68.2	68.8	69.4	68.2	68.2	62.8	60.4	53.8	49.7	47.3
60°	46.7	47.9	50.2	55.0	53.8	53.2	50.2	46.1	41.9	36.5	35.9
62.5°	38.3	38.3	37.7	38.9	42.5	41.9	38.3	35.9	31.7	26.9	26.3
65°	31.1	31.1	30.5	31.7	31.7	32.3	29.9	26.9	23.9	21.5	20.3
67.5°	26.3	26.3	25.7	25.1	25.1	25.7	23.3	21.5	19.7	17.3	16.2
70°	21.5	22.1	21.5	21.5	20.3	19.1	19.1	17.3	15.6	13.8	12.0
72.5°	18.5	18.5	17.9	17.9	16.2	15.6	15.0	13.8	12.0	10.2	9.0
75°	15.6	15.6	15.0	14.4	13.2	12.6	11.4	10.8	9.0	7.2	6.6
77.5°	13.2	13.2	12.6	12.6	11.4	10.2	8.4	7.8	6.6	4.8	4.2
80°	11.4	11.4	10.8	10.8	9.6	8.4	6.6	5.4	4.8	3.0	2.4
82.5°	10.2	10.2	9.6	9.0	7.8	7.2	5.4	4.2	3.0	1.2	0.6
85°	9.6	9.0	9.0	8.4	7.2	6.0	4.8	3.6	1.8	0.6	0.0
87.5°	8.4	8.4	8.4	7.8	6.6	6.0	4.2	3.0	1.2	0.0	0.0
90°	8.4	8.4	7.8	7.2	6.6	5.4	4.2	3.0	1.2	0.0	0.0
92.5°	7.8	7.8	7.8	7.2	6.6	5.4	4.2	3.0	1.2	0.0	0.0
95°	7.8	7.8	7.2	7.2	6.0	5.4	4.2	3.0	1.2	0.0	0.0
97.5°	7.2	7.2	6.6	6.6	6.0	4.8	3.6	2.4	1.2	0.0	0.0
100°	6.6	6.6	6.6	6.0	5.4	4.8	3.6	2.4	1.2	0.0	0.0
102.5°	6.0	6.0	6.0	5.4	4.8	4.2	3.0	2.4	1.2	0.0	0.0
105°	5.4	5.4	5.4	5.4	4.8	4.2	3.0	2.4	1.2	0.0	0.0
107.5°	5.4	5.4	4.8	4.8	4.2	3.6	3.0	1.8	1.2	0.0	0.0
110°	4.8	4.8	4.8	4.2	3.6	3.0	2.4	1.8	0.6	0.0	0.0



REPORT NUMBER: P394757

CATALOG NUMBER: 303-B1-LEDB2-TSAM-UNV-T5X-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	4.2	4.2	4.2	3.6	3.6	3.0	2.4	1.8	0.6	0.0	0.0
115°	3.6	3.6	3.6	3.6	3.0	2.4	1.8	1.2	0.6	0.0	0.0
117.5°	3.6	3.6	3.0	3.0	2.4	2.4	1.8	1.2	0.6	0.0	0.0
120°	3.0	3.0	3.0	2.4	2.4	1.8	1.8	1.2	0.6	0.0	0.0
122.5°	2.4	2.4	2.4	2.4	1.8	1.8	1.2	1.2	0.6	0.0	0.0
125°	2.4	2.4	2.4	1.8	1.8	1.8	1.2	0.6	0.6	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	1.8	1.2	1.2	0.6	0.6	0.0	0.0
130°	1.8	1.8	1.8	1.2	1.2	1.2	1.2	0.6	0.6	0.0	0.0
132.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.0	0.0
135°	1.2	1.2	1.2	1.2	1.2	0.6	0.6	0.6	0.6	0.0	0.0
137.5°	0.6	0.6	1.2	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
140°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
142.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0
145°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
147.5°	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	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°	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8	211.8
2.5°	206.4	210.0	210.0	196.8	102.3	87.9	88.5	87.9	85.5	86.1
5°	208.8	205.2	131.6	112.5	32.9	0.0	0.0	0.0	0.0	0.0
7.5°	206.4	177.1	119.0	89.7	33.5	0.0	0.0	0.0	0.0	0.0
10°	204.0	174.7	117.8	88.5	32.9	0.0	0.0	0.0	0.0	0.0
12.5°	202.8	175.9	117.8	87.9	32.9	0.0	0.0	0.0	0.0	0.0
15°	204.6	175.3	118.4	87.9	31.7	0.0	0.0	0.0	0.0	0.0
17.5°	200.4	174.7	119.0	86.7	31.7	0.0	0.0	0.0	0.0	0.0
20°	201.0	171.7	119.0	84.9	29.9	0.0	0.0	0.0	0.0	0.0
22.5°	195.6	169.9	117.8	83.2	29.9	0.0	0.0	0.0	0.0	0.0
25°	191.4	160.9	115.5	80.2	28.7	0.0	0.0	0.0	0.0	0.0
27.5°	186.6	156.7	112.5	76.6	28.1	0.0	0.0	0.0	0.0	0.0
30°	180.1	149.0	107.1	72.4	26.9	0.0	0.0	0.0	0.0	0.0
32.5°	172.9	149.6	102.3	71.8	25.1	0.0	0.0	0.0	0.0	0.0
35°	169.3	137.0	95.7	68.2	23.9	0.0	0.0	0.0	0.0	0.0
37.5°	155.5	131.6	89.7	62.8	18.5	0.0	0.0	0.0	0.0	0.0
40°	143.6	117.2	85.5	49.1	11.4	0.0	0.0	0.0	0.0	0.0
42.5°	132.2	110.7	78.4	52.0	19.1	0.0	0.0	0.0	0.0	0.0
45°	120.2	99.3	70.0	40.7	16.7	0.0	0.0	0.0	0.0	0.0
47.5°	110.1	90.3	61.6	42.5	15.0	0.0	0.0	0.0	0.0	0.0
50°	92.7	76.0	53.2	35.9	12.6	0.0	0.0	0.0	0.0	0.0
52.5°	79.6	64.0	44.9	30.5	10.8	0.0	0.0	0.0	0.0	0.0
55°	62.2	50.2	36.5	24.5	8.4	0.0	0.0	0.0	0.0	0.0
57.5°	47.3	39.5	28.1	18.5	6.6	0.0	0.0	0.0	0.0	0.0
60°	37.1	28.7	20.9	13.8	4.8	0.0	0.0	0.0	0.0	0.0
62.5°	26.9	20.9	15.6	9.6	3.6	0.0	0.0	0.0	0.0	0.0
65°	20.9	16.2	11.4	7.2	2.4	0.0	0.0	0.0	0.0	0.0
67.5°	16.2	12.6	8.4	4.2	1.8	0.0	0.0	0.0	0.0	0.0
70°	12.6	9.6	6.6	3.0	1.2	0.0	0.0	0.0	0.0	0.0
72.5°	9.6	7.2	4.8	2.4	0.6	0.0	0.0	0.0	0.0	0.0
75°	6.6	4.8	3.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.2	3.0	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0
80°	2.4	1.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.6	0.6	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-LEDB2-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)