

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: P394754

Luminaire Tested: **303-B1-LEDB1-4000-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394754
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-LEDB1-4000-UNV-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 5 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 591.1 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
IES Classification: Type I - Short
BUG Rating: B0 - U1 - G0

Input Watts (W): 8.3
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

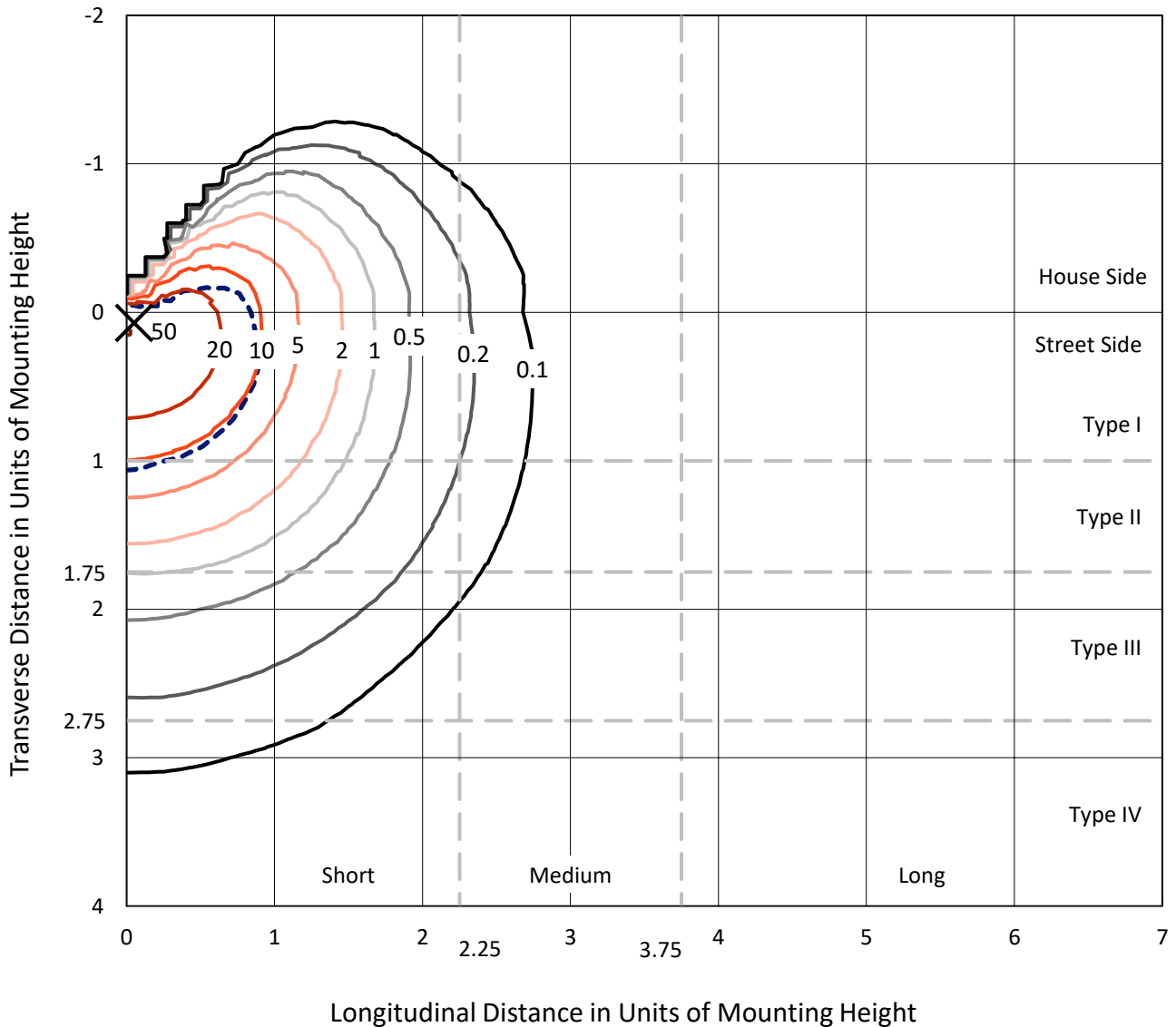


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Iso-Footcandle Lines of Horizontal Illumination

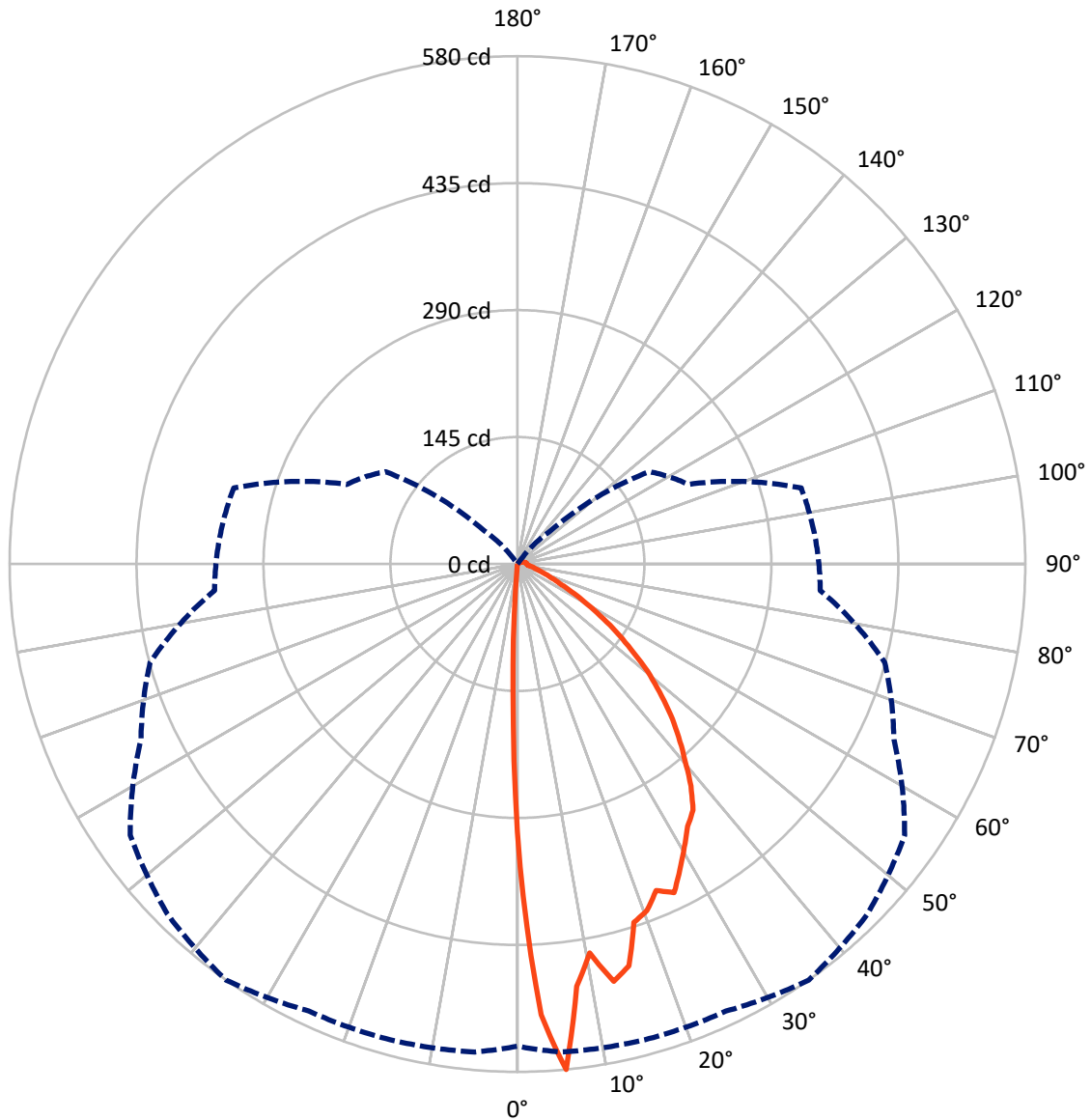
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 51.2 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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



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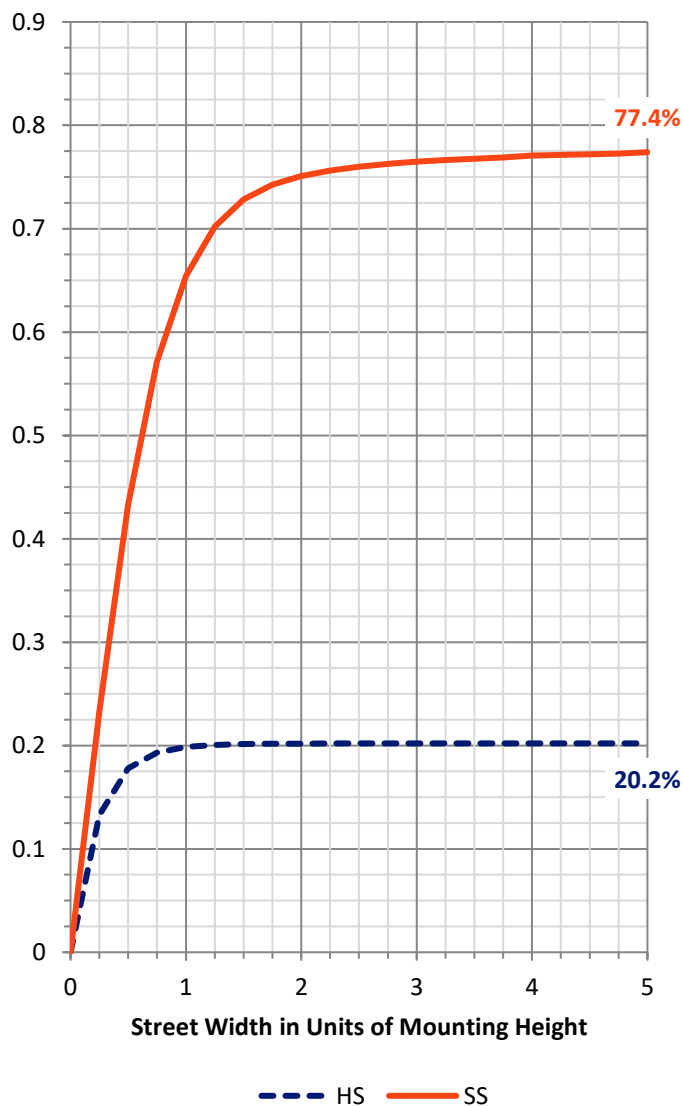
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	120.7	0.0	120.7
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	459.7	10.7	470.4
	% Fixture	77.8	1.8	79.6
Total	Lumens	580.5	10.7	591.1
	% Fixture	98.2	1.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.0	4.9
10°-20°	75.9	12.8
20°-30°	112.7	19.1
30°-40°	127.9	21.6
40°-50°	114.3	19.3
50°-60°	72.7	12.3
60°-70°	30.2	5.1
70°-80°	12.5	2.1
80°-90°	5.3	0.9
90°-100°	4.0	0.7
100°-110°	3.0	0.5
110°-120°	1.8	0.3
120°-130°	1.0	0.2
130°-140°	0.5	0.1
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	580.5	98.2
0°-180°	591.1	100.0

Coefficient of Utilization



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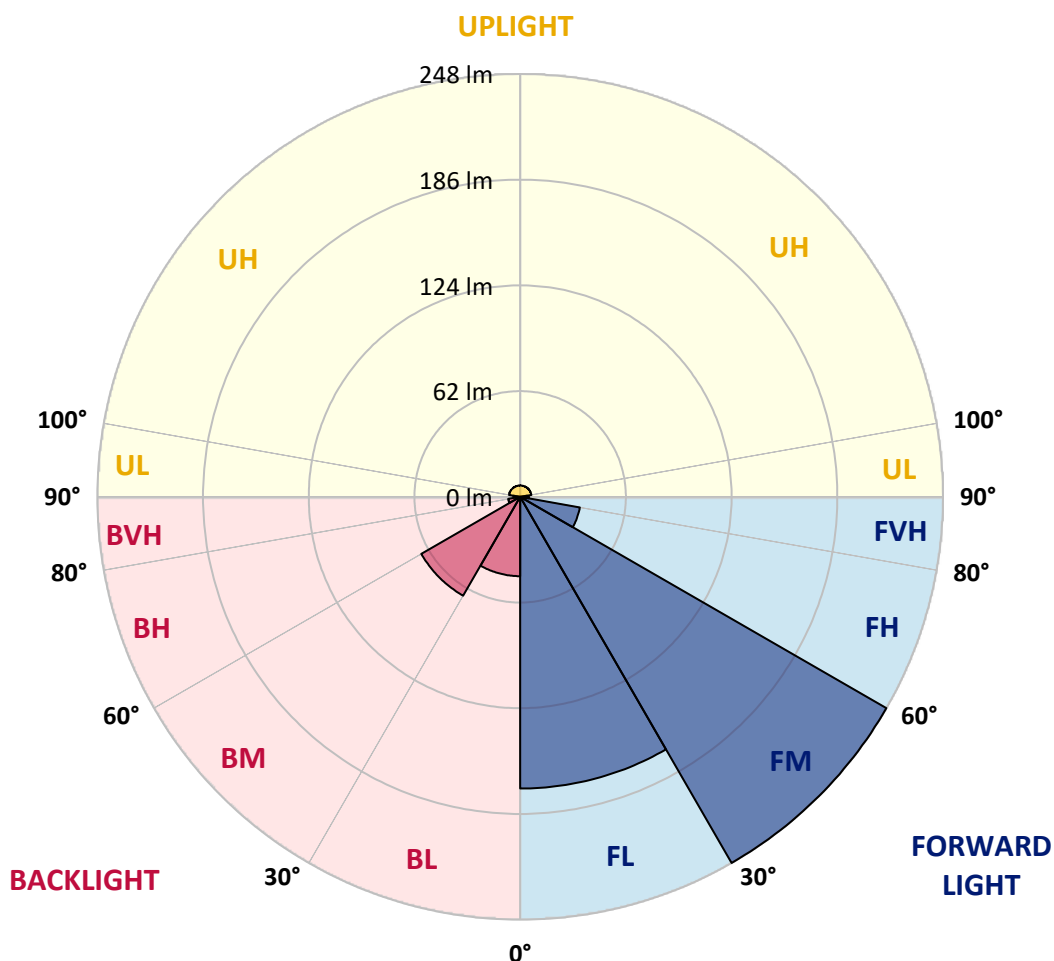
CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T5X-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	171.0	28.9			
FM (30°-60°)	248.0	41.9			
FH (60°-80°)	35.6	6.0			G0/660
FVH (80°-90°)	5.2	0.9			G0/10
BL (0°-30°)	46.6	7.9	B0/110		
BM (30°-60°)	67.0	11.3	B0/220		
BH (60°-80°)	7.1	1.2	B0/110		G0/110
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	4.0	0.7		U1/10	
UH (100°-180°)	6.6	1.1		U1/10	

BUG Rating: B0-U1-G0

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2
2.5°	559.5	552.6	527.2	536.0	515.5	511.5	497.9	464.6	365.8	351.1	340.4
5°	550.7	559.5	562.4	563.4	580.0	565.3	539.9	474.4	434.3	347.2	344.3
7.5°	457.8	469.5	459.7	463.6	487.1	513.5	500.8	480.2	426.5	351.1	336.5
10°	493.0	496.9	485.1	465.6	451.9	431.3	451.9	466.6	418.6	338.4	334.5
12.5°	484.2	499.8	493.9	507.6	489.1	428.4	404.9	430.4	411.8	340.4	332.6
15°	438.2	444.1	443.1	458.7	476.3	469.5	419.6	379.5	400.0	339.4	326.7
17.5°	423.5	430.4	426.5	429.4	430.4	454.8	437.2	372.7	394.2	338.4	325.7
20°	428.4	429.4	421.6	423.5	422.5	422.5	429.4	375.6	376.6	333.5	317.9
22.5°	421.6	421.6	422.5	430.4	404.9	404.0	407.9	398.1	353.1	327.7	319.8
25°	406.9	408.8	405.9	415.7	415.7	396.1	381.5	390.3	336.5	325.7	317.9
27.5°	389.3	396.1	389.3	395.2	395.2	393.2	368.7	377.5	330.6	316.9	306.1
30°	372.7	376.6	372.7	378.5	375.6	379.5	357.0	355.1	319.8	302.2	295.4
32.5°	355.1	357.0	354.1	358.0	357.0	352.1	343.3	335.5	314.9	298.3	287.6
35°	335.5	341.4	327.7	340.4	345.3	334.5	324.7	314.9	300.3	267.0	270.9
37.5°	316.9	315.9	312.0	317.9	321.8	314.0	302.2	294.4	280.7	257.2	254.3
40°	297.3	299.3	293.4	293.4	294.4	291.5	278.8	272.9	264.1	236.7	235.7
42.5°	279.7	275.8	270.0	270.0	270.0	264.1	257.2	251.4	241.6	220.1	217.1
45°	254.3	250.4	243.5	246.5	245.5	239.6	235.7	229.9	219.1	202.5	194.6
47.5°	226.9	228.9	221.1	225.0	218.1	216.2	209.3	200.5	193.7	179.0	173.1
50°	199.5	199.5	190.7	193.7	192.7	189.8	180.9	176.1	169.2	155.5	153.6
52.5°	170.2	171.2	165.3	168.2	162.4	161.4	154.5	150.6	139.9	127.2	129.1
55°	140.8	142.8	137.9	139.9	136.9	135.0	128.1	122.3	114.4	104.7	100.7
57.5°	111.5	111.5	112.5	113.5	111.5	111.5	102.7	98.8	88.0	81.2	77.3
60°	76.3	78.2	82.2	90.0	88.0	87.1	82.2	75.3	68.5	59.7	58.7
62.5°	62.6	62.6	61.6	63.6	69.4	68.5	62.6	58.7	51.8	44.0	43.0
65°	50.9	50.9	49.9	51.8	51.8	52.8	48.9	44.0	39.1	35.2	33.3
67.5°	43.0	43.0	42.1	41.1	41.1	42.1	38.1	35.2	32.3	28.4	26.4
70°	35.2	36.2	35.2	35.2	33.3	31.3	31.3	28.4	25.4	22.5	19.6
72.5°	30.3	30.3	29.3	29.3	26.4	25.4	24.5	22.5	19.6	16.6	14.7
75°	25.4	25.4	24.5	23.5	21.5	20.5	18.6	17.6	14.7	11.7	10.8
77.5°	21.5	21.5	20.5	20.5	18.6	16.6	13.7	12.7	10.8	7.8	6.8
80°	18.6	18.6	17.6	17.6	15.6	13.7	10.8	8.8	7.8	4.9	3.9
82.5°	16.6	16.6	15.6	14.7	12.7	11.7	8.8	6.8	4.9	2.0	1.0
85°	15.6	14.7	14.7	13.7	11.7	9.8	7.8	5.9	2.9	1.0	0.0
87.5°	13.7	13.7	13.7	12.7	10.8	9.8	6.8	4.9	2.0	0.0	0.0
90°	13.7	13.7	12.7	11.7	10.8	8.8	6.8	4.9	2.0	0.0	0.0
92.5°	12.7	12.7	12.7	11.7	10.8	8.8	6.8	4.9	2.0	0.0	0.0
95°	12.7	12.7	11.7	11.7	9.8	8.8	6.8	4.9	2.0	0.0	0.0
97.5°	11.7	11.7	10.8	10.8	9.8	7.8	5.9	3.9	2.0	0.0	0.0
100°	10.8	10.8	10.8	9.8	8.8	7.8	5.9	3.9	2.0	0.0	0.0
102.5°	9.8	9.8	9.8	8.8	7.8	6.8	4.9	3.9	2.0	0.0	0.0
105°	8.8	8.8	8.8	8.8	7.8	6.8	4.9	3.9	2.0	0.0	0.0
107.5°	8.8	8.8	7.8	7.8	6.8	5.9	4.9	2.9	2.0	0.0	0.0
110°	7.8	7.8	7.8	6.8	5.9	4.9	3.9	2.9	1.0	0.0	0.0



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CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	6.8	6.8	6.8	5.9	5.9	4.9	3.9	2.9	1.0	0.0	0.0
115°	5.9	5.9	5.9	5.9	4.9	3.9	2.9	2.0	1.0	0.0	0.0
117.5°	5.9	5.9	4.9	4.9	3.9	3.9	2.9	2.0	1.0	0.0	0.0
120°	4.9	4.9	4.9	3.9	3.9	2.9	2.9	2.0	1.0	0.0	0.0
122.5°	3.9	3.9	3.9	3.9	2.9	2.9	2.0	2.0	1.0	0.0	0.0
125°	3.9	3.9	3.9	2.9	2.9	2.9	2.0	1.0	1.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	1.0	1.0	0.0	0.0
130°	2.9	2.9	2.9	2.0	2.0	2.0	2.0	1.0	1.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0
137.5°	1.0	1.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
147.5°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2	346.2
2.5°	337.4	343.3	343.3	321.8	167.3	143.8	144.8	143.8	139.9	140.8
5°	341.4	335.5	215.2	183.9	53.8	0.0	0.0	0.0	0.0	0.0
7.5°	337.4	289.5	194.6	146.7	54.8	0.0	0.0	0.0	0.0	0.0
10°	333.5	285.6	192.7	144.8	53.8	0.0	0.0	0.0	0.0	0.0
12.5°	331.6	287.6	192.7	143.8	53.8	0.0	0.0	0.0	0.0	0.0
15°	334.5	286.6	193.7	143.8	51.8	0.0	0.0	0.0	0.0	0.0
17.5°	327.7	285.6	194.6	141.8	51.8	0.0	0.0	0.0	0.0	0.0
20°	328.6	280.7	194.6	138.9	48.9	0.0	0.0	0.0	0.0	0.0
22.5°	319.8	277.8	192.7	136.0	48.9	0.0	0.0	0.0	0.0	0.0
25°	313.0	263.1	188.8	131.1	46.9	0.0	0.0	0.0	0.0	0.0
27.5°	305.2	256.3	183.9	125.2	46.0	0.0	0.0	0.0	0.0	0.0
30°	294.4	243.5	175.1	118.4	44.0	0.0	0.0	0.0	0.0	0.0
32.5°	282.7	244.5	167.3	117.4	41.1	0.0	0.0	0.0	0.0	0.0
35°	276.8	224.0	156.5	111.5	39.1	0.0	0.0	0.0	0.0	0.0
37.5°	254.3	215.2	146.7	102.7	30.3	0.0	0.0	0.0	0.0	0.0
40°	234.7	191.7	139.9	80.2	18.6	0.0	0.0	0.0	0.0	0.0
42.5°	216.2	180.9	128.1	85.1	31.3	0.0	0.0	0.0	0.0	0.0
45°	196.6	162.4	114.4	66.5	27.4	0.0	0.0	0.0	0.0	0.0
47.5°	180.0	147.7	100.7	69.4	24.5	0.0	0.0	0.0	0.0	0.0
50°	151.6	124.2	87.1	58.7	20.5	0.0	0.0	0.0	0.0	0.0
52.5°	130.1	104.7	73.4	49.9	17.6	0.0	0.0	0.0	0.0	0.0
55°	101.7	82.2	59.7	40.1	13.7	0.0	0.0	0.0	0.0	0.0
57.5°	77.3	64.6	46.0	30.3	10.8	0.0	0.0	0.0	0.0	0.0
60°	60.6	46.9	34.2	22.5	7.8	0.0	0.0	0.0	0.0	0.0
62.5°	44.0	34.2	25.4	15.6	5.9	0.0	0.0	0.0	0.0	0.0
65°	34.2	26.4	18.6	11.7	3.9	0.0	0.0	0.0	0.0	0.0
67.5°	26.4	20.5	13.7	6.8	2.9	0.0	0.0	0.0	0.0	0.0
70°	20.5	15.6	10.8	4.9	2.0	0.0	0.0	0.0	0.0	0.0
72.5°	15.6	11.7	7.8	3.9	1.0	0.0	0.0	0.0	0.0	0.0
75°	10.8	7.8	4.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	6.8	4.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	3.9	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.0	1.0	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-LEDB1-4000-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)