

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: P394713

Luminaire Tested: **303-B1-LEDB1-2700-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394713
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-4)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB1-2700-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 2 WITH EDGE GLOW
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 604 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
IES Classification: Type II - 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

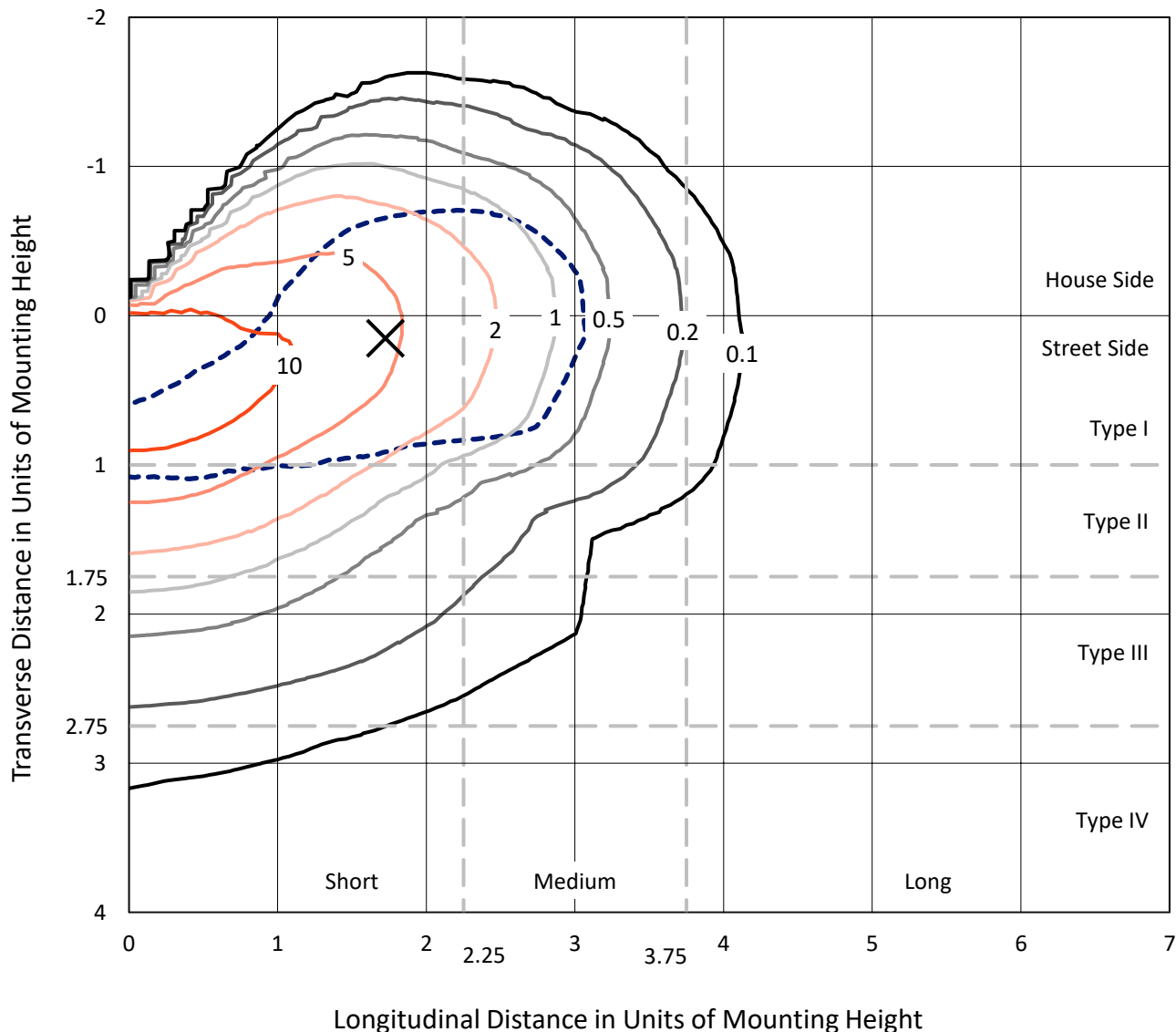


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Iso-Footcandle Lines of Horizontal Illumination

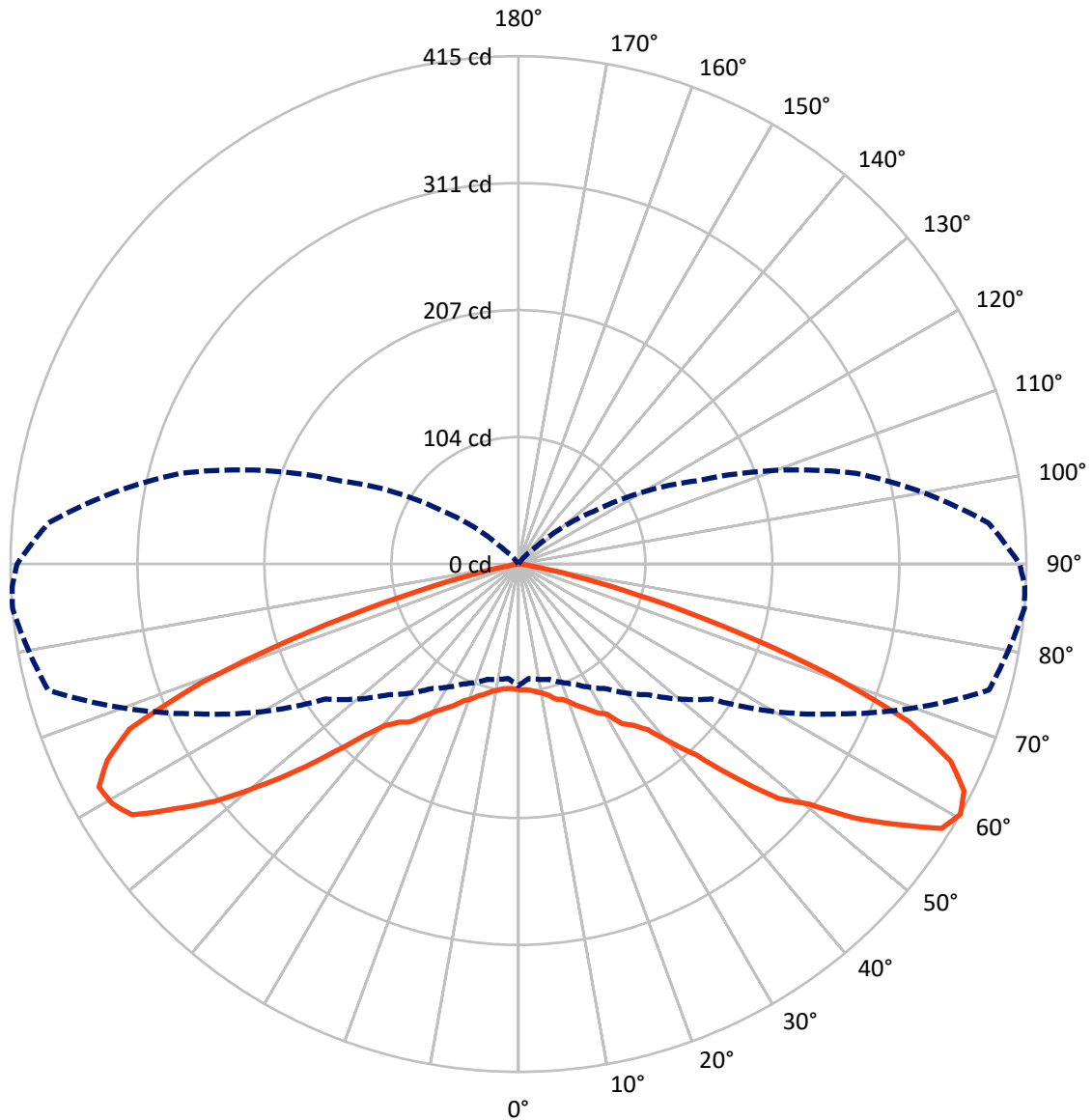
✕ Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 16.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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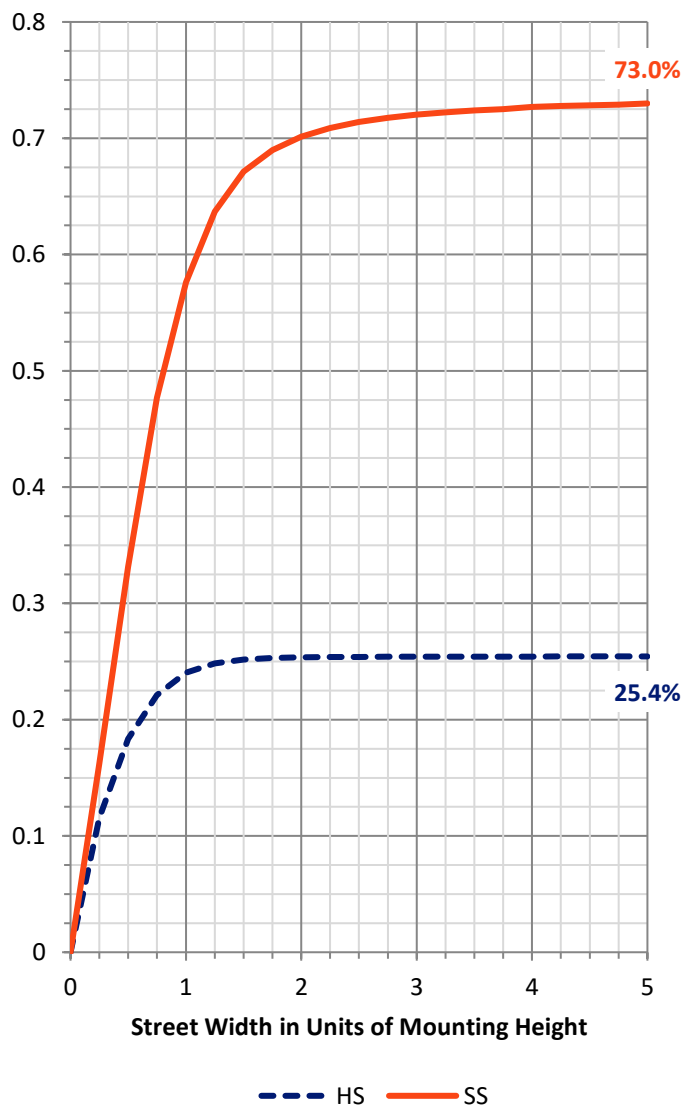
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	154.7	0.0	154.7
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	442.8	6.5	449.3
	% Fixture	73.3	1.1	74.4
Total	Lumens	597.5	6.5	604.0
	% Fixture	98.9	1.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.5	1.4
10°-20°	25.2	4.2
20°-30°	48.9	8.1
30°-40°	82.7	13.7
40°-50°	119.5	19.8
50°-60°	149.8	24.8
60°-70°	118.4	19.6
70°-80°	38.8	6.4
80°-90°	5.6	0.9
90°-100°	2.6	0.4
100°-110°	1.8	0.3
110°-120°	1.1	0.2
120°-130°	0.6	0.1
130°-140°	0.3	0.0
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°	597.5	98.9
0°-180°	604.0	100.0



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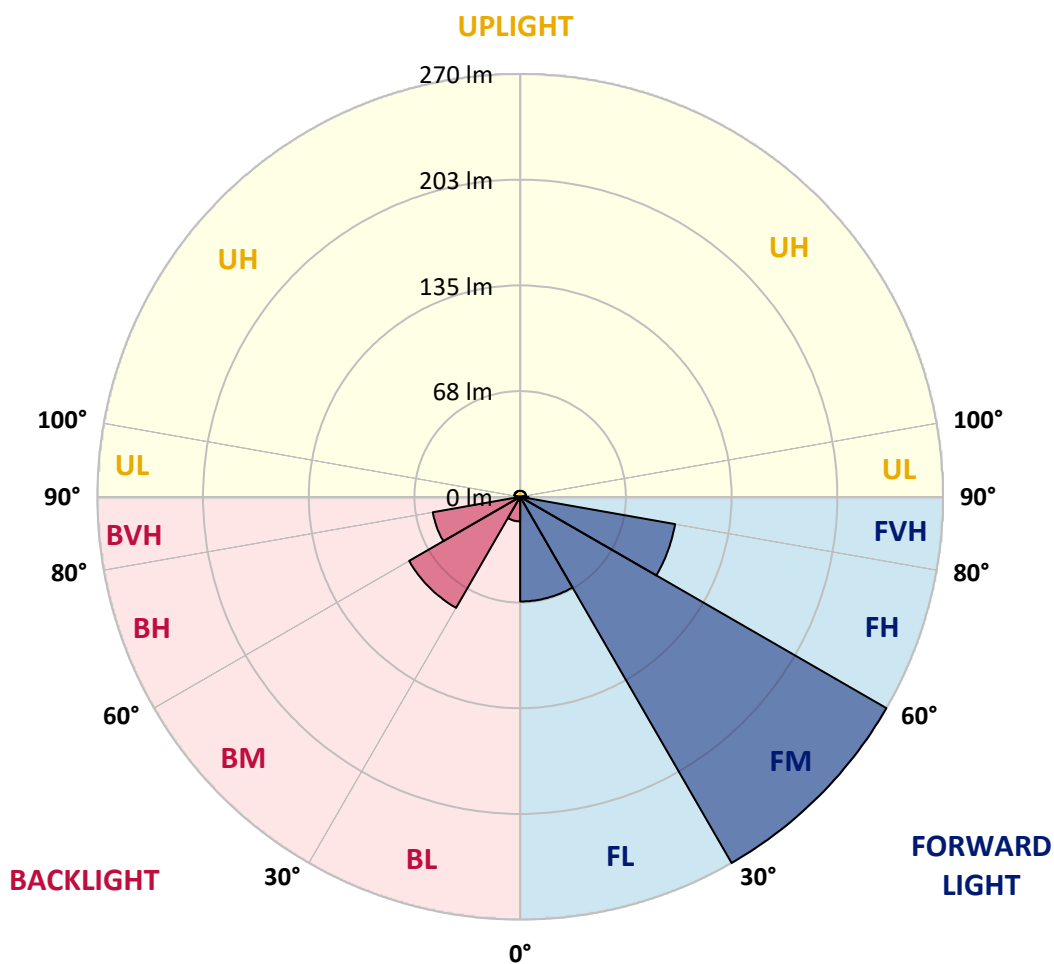
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	66.9	11.1			
FM (30°-60°)	270.2	44.7			
FH (60°-80°)	100.5	16.6			G0/660
FVH (80°-90°)	5.2	0.9			G0/10
BL (0°-30°)	15.7	2.6	B0/110		
BM (30°-60°)	81.9	13.6	B0/220		
BH (60°-80°)	56.7	9.4	B0/110		G0/110
BVH (80°-90°)	0.4	0.1			G0/10
UL (90°-100°)	2.6	0.4		U1/10	
UH (100°-180°)	3.9	0.6		U1/10	

BUG Rating: B0-U1-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
0°	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8
2.5°	160.1	158.3	155.6	152.9	149.3	144.9	136.8	122.5	109.1	102.8	102.8
5°	153.8	156.5	159.2	161.8	164.5	160.1	152.9	137.7	123.4	103.7	102.8
7.5°	150.2	154.7	151.1	150.2	146.6	144.0	150.2	138.6	125.2	105.5	104.6
10°	152.9	154.7	155.6	153.8	153.8	146.6	137.7	138.6	125.2	107.3	105.5
12.5°	146.6	147.5	150.2	150.2	151.1	152.0	144.0	131.4	128.8	110.0	107.3
15°	148.4	150.2	147.5	150.2	148.4	149.3	149.3	130.5	128.8	114.5	109.1
17.5°	152.0	155.6	157.4	154.7	149.3	148.4	151.1	141.3	127.9	116.2	114.5
20°	166.3	166.3	167.2	165.4	162.7	154.7	151.1	147.5	130.5	120.7	119.8
22.5°	175.3	175.3	177.0	175.3	172.6	169.9	157.4	151.1	130.5	126.1	123.4
25°	186.0	186.0	187.8	188.7	182.4	179.7	170.8	158.3	143.1	131.4	129.7
27.5°	197.6	198.5	199.4	200.3	199.4	196.7	184.2	170.8	149.3	137.7	135.9
30°	208.3	207.4	213.7	212.8	212.8	208.3	200.3	183.3	160.1	142.2	143.1
32.5°	212.8	215.5	220.0	224.4	226.2	222.6	216.4	201.2	174.4	155.6	147.5
35°	220.0	217.3	228.0	231.6	229.8	234.3	230.7	214.6	189.6	161.8	159.2
37.5°	220.9	223.5	228.0	235.2	231.6	244.1	243.2	228.0	204.8	171.7	167.2
40°	221.8	222.6	228.9	233.4	242.3	250.4	256.6	243.2	226.2	191.4	180.6
42.5°	220.0	220.0	226.2	230.7	239.6	253.0	262.0	263.8	248.6	213.7	202.1
45°	215.5	218.2	219.1	224.4	235.2	253.9	268.2	278.1	274.5	249.5	235.2
47.5°	206.6	204.8	211.0	220.9	228.9	247.7	270.0	293.3	305.8	286.1	275.4
50°	194.0	195.8	199.4	208.3	213.7	237.8	269.1	306.7	335.3	308.5	303.1
52.5°	177.9	179.7	184.2	194.9	200.3	227.1	269.1	327.3	366.6	345.1	336.2
55°	159.2	148.4	159.2	171.7	183.3	205.7	258.4	328.2	391.6	375.5	370.2
57.5°	121.6	119.8	124.3	141.3	158.3	180.6	233.4	317.4	403.3	407.7	399.7
60°	99.3	93.9	97.5	108.2	124.3	151.1	192.2	289.7	397.9	414.9	414.0
62.5°	76.0	76.0	79.6	82.3	93.0	117.1	152.0	240.5	369.3	408.6	412.2
65°	59.9	59.0	61.7	65.3	70.6	79.6	107.3	189.6	331.7	388.1	393.4
67.5°	45.6	45.6	47.4	51.0	55.4	59.0	69.7	129.7	290.6	344.3	351.4
70°	36.7	35.8	36.7	41.1	49.2	53.6	53.6	83.2	230.7	267.4	282.6
72.5°	33.1	31.3	31.3	32.2	38.4	49.2	56.3	51.0	144.9	177.0	186.9
75°	25.9	24.1	25.0	25.9	29.5	34.9	50.1	33.1	80.5	99.3	103.7
77.5°	17.0	17.0	17.0	17.0	18.8	22.4	36.7	30.4	46.5	44.7	42.9
80°	13.4	13.4	13.4	13.4	12.5	14.3	19.7	33.1	31.3	12.5	9.8
82.5°	11.6	11.6	11.6	10.7	10.7	9.8	11.6	23.2	19.7	6.3	5.4
85°	9.8	9.8	9.8	9.8	8.9	8.0	7.2	8.9	6.3	2.7	1.8
87.5°	8.9	8.9	8.9	8.0	8.0	6.3	5.4	3.6	2.7	0.9	0.9
90°	8.9	8.0	8.0	8.0	7.2	6.3	4.5	3.6	1.8	0.9	0.0
92.5°	8.0	8.0	8.0	7.2	7.2	5.4	4.5	3.6	1.8	0.0	0.0
95°	8.0	8.0	7.2	7.2	6.3	5.4	4.5	2.7	1.8	0.0	0.0
97.5°	7.2	7.2	7.2	7.2	6.3	5.4	4.5	2.7	1.8	0.0	0.0
100°	6.3	6.3	6.3	6.3	5.4	4.5	3.6	2.7	1.8	0.0	0.0
102.5°	6.3	6.3	6.3	5.4	5.4	4.5	3.6	2.7	0.9	0.0	0.0
105°	5.4	5.4	5.4	5.4	4.5	3.6	2.7	1.8	0.9	0.0	0.0
107.5°	4.5	4.5	4.5	4.5	4.5	3.6	2.7	1.8	0.9	0.0	0.0
110°	4.5	4.5	4.5	4.5	3.6	2.7	2.7	1.8	0.9	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
112.5°	3.6	3.6	3.6	3.6	3.6	2.7	1.8	1.8	0.9	0.0	0.0
115°	3.6	3.6	3.6	2.7	2.7	2.7	1.8	1.8	0.9	0.0	0.0
117.5°	2.7	2.7	2.7	2.7	2.7	1.8	1.8	0.9	0.9	0.0	0.0
120°	2.7	2.7	2.7	2.7	2.7	1.8	1.8	0.9	0.9	0.0	0.0
122.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.0	0.0
125°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0
130°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.9	0.9	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°	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8	102.8
2.5°	101.9	101.9	101.0	94.8	60.8	47.4	43.8	41.1	39.3	34.9	34.9
5°	99.3	101.9	87.6	58.1	35.8	14.3	0.9	0.0	0.0	0.0	0.0
7.5°	101.9	102.8	81.4	55.4	32.2	13.4	0.9	0.0	0.0	0.0	0.0
10°	105.5	104.6	83.2	56.3	34.0	13.4	0.9	0.0	0.0	0.0	0.0
12.5°	105.5	106.4	84.1	56.3	36.7	13.4	0.9	0.0	0.0	0.0	0.0
15°	110.9	110.0	85.8	57.2	37.6	13.4	0.9	0.0	0.0	0.0	0.0
17.5°	114.5	112.7	88.5	59.0	37.6	13.4	0.9	0.0	0.0	0.0	0.0
20°	118.0	117.1	87.6	61.7	38.4	14.3	0.9	0.0	0.0	0.0	0.0
22.5°	123.4	120.7	93.0	63.5	40.2	14.3	0.9	0.0	0.0	0.0	0.0
25°	127.9	127.0	94.8	66.2	39.3	15.2	0.9	0.0	0.0	0.0	0.0
27.5°	131.4	132.3	103.7	69.7	46.5	16.1	0.0	0.0	0.0	0.0	0.0
30°	140.4	138.6	110.0	73.3	49.2	17.0	0.0	0.0	0.0	0.0	0.0
32.5°	147.5	146.6	115.3	78.7	52.8	17.9	0.0	0.0	0.0	0.0	0.0
35°	157.4	156.5	123.4	83.2	56.3	17.9	0.0	0.0	0.0	0.0	0.0
37.5°	164.5	161.8	129.7	89.4	59.9	19.7	0.0	0.0	0.0	0.0	0.0
40°	177.0	170.8	135.9	93.0	53.6	10.7	0.0	0.0	0.0	0.0	0.0
42.5°	197.6	188.7	144.9	98.4	65.3	20.6	0.0	0.0	0.0	0.0	0.0
45°	222.6	215.5	157.4	103.7	58.1	21.5	0.0	0.0	0.0	0.0	0.0
47.5°	257.5	247.7	174.4	108.2	68.9	21.5	0.0	0.0	0.0	0.0	0.0
50°	296.0	279.9	201.2	116.2	72.4	20.6	0.0	0.0	0.0	0.0	0.0
52.5°	330.8	314.7	231.6	132.3	76.0	19.7	0.0	0.0	0.0	0.0	0.0
55°	361.2	344.3	262.0	144.9	76.9	18.8	0.0	0.0	0.0	0.0	0.0
57.5°	388.1	376.4	285.2	163.6	78.7	17.0	0.0	0.0	0.0	0.0	0.0
60°	409.5	385.4	286.1	160.9	75.1	16.1	0.0	0.0	0.0	0.0	0.0
62.5°	411.3	388.1	279.0	148.4	66.2	13.4	0.0	0.0	0.0	0.0	0.0
65°	384.5	372.0	262.0	125.2	51.9	9.8	0.0	0.0	0.0	0.0	0.0
67.5°	354.1	345.1	234.3	98.4	36.7	7.2	0.0	0.0	0.0	0.0	0.0
70°	283.4	275.4	186.9	68.9	21.5	3.6	0.0	0.0	0.0	0.0	0.0
72.5°	182.4	180.6	117.1	39.3	9.8	1.8	0.0	0.0	0.0	0.0	0.0
75°	100.1	96.6	53.6	17.0	4.5	0.9	0.0	0.0	0.0	0.0	0.0
77.5°	37.6	34.9	18.8	7.2	2.7	0.9	0.0	0.0	0.0	0.0	0.0
80°	9.8	8.9	7.2	4.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	4.5	4.5	3.6	2.7	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	1.8	1.8	0.9	0.9	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



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CATALOG NUMBER: 303-B1-LEDB1-2700-UNV-T2-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)