

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: P394731

Luminaire Tested: **303-B1-LEDB1-2700-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394731
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-LEDB1-2700-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 4 WITH EDGE GLOW
Light Source: 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 577.2 lumens
Efficiency: N/A
Efficacy: 69.5 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

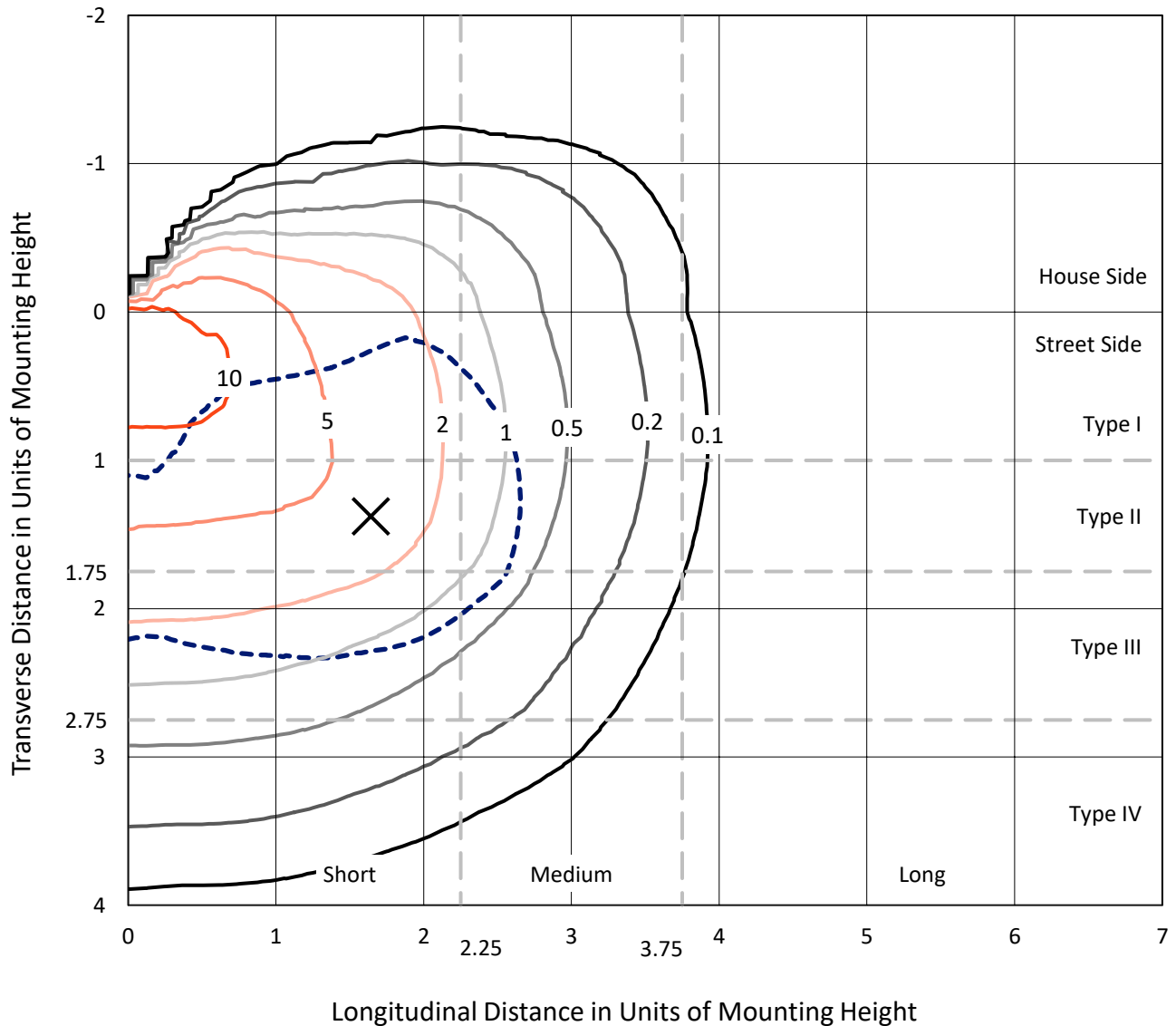
Input Watts (W): 8.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

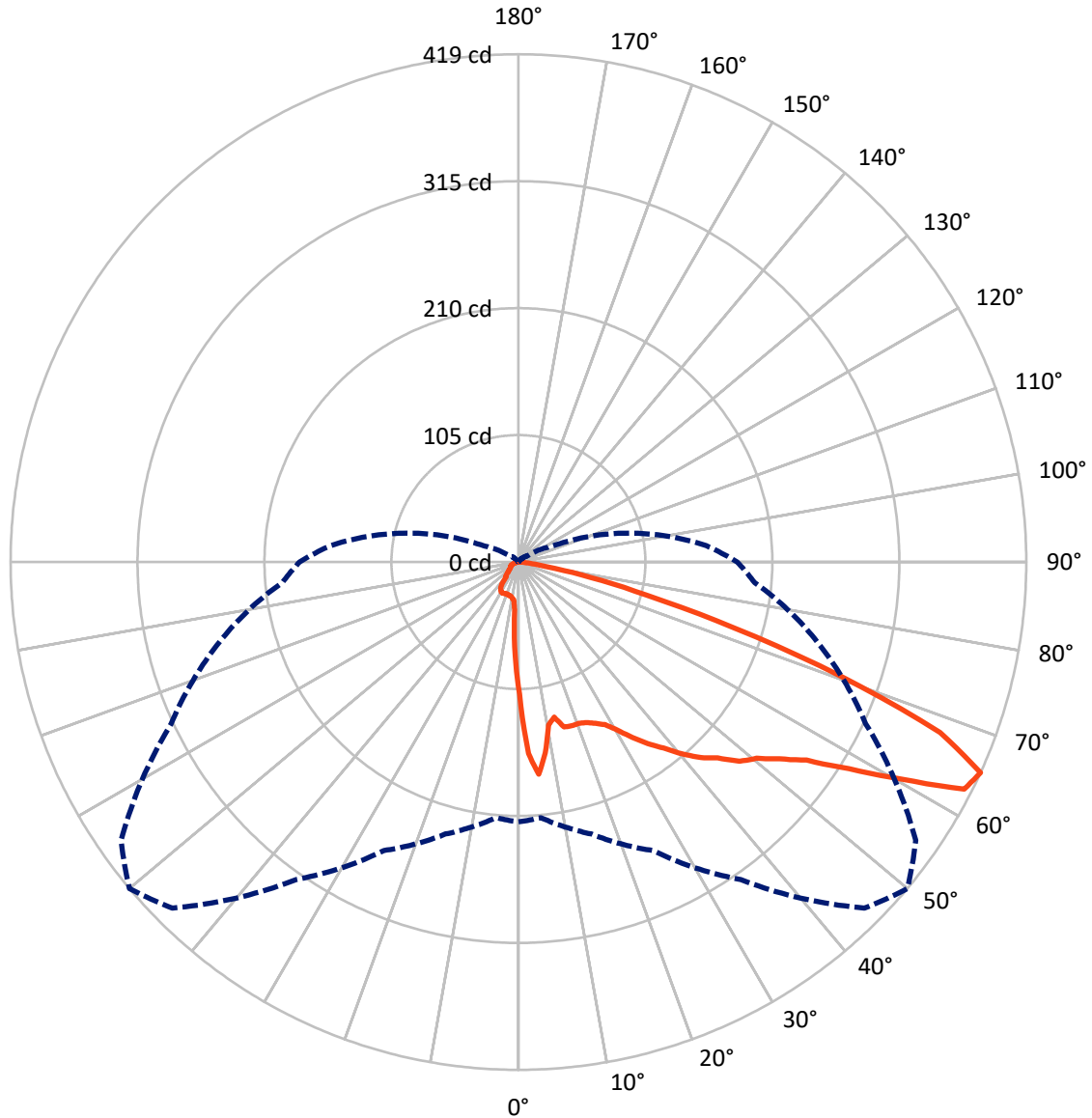
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 15.7 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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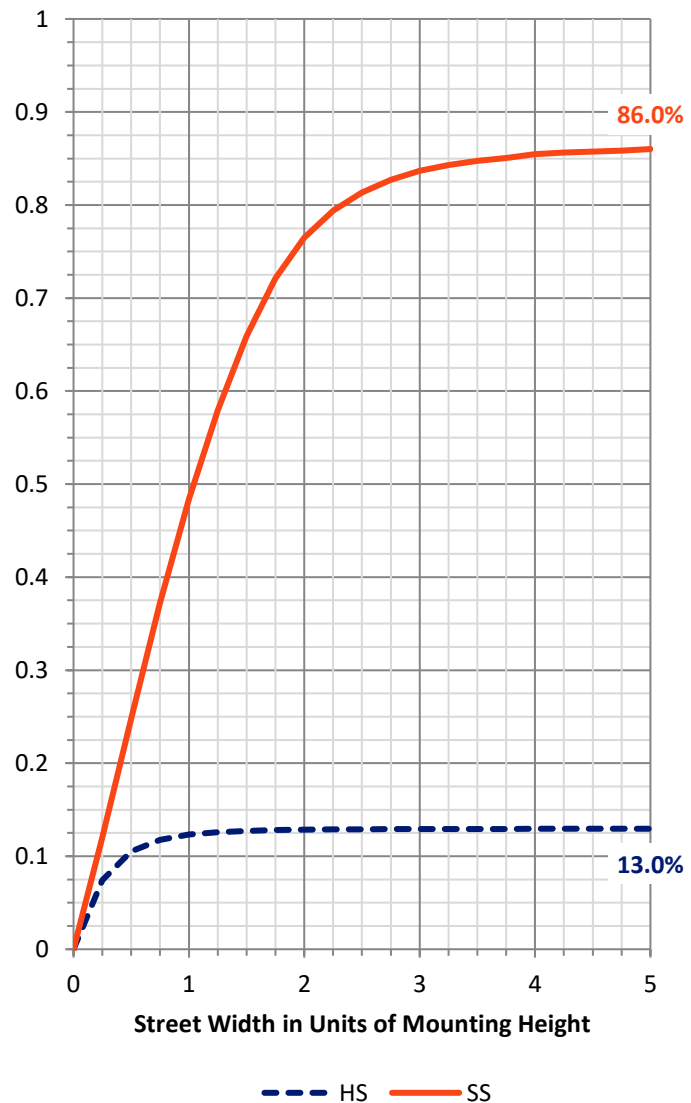
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	75.4	0.0	75.4
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	498.0	3.7	501.8
	% Fixture	86.3	0.6	86.9
Total	Lumens	573.5	3.7	577.2
	% Fixture	99.4	0.6	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.1	1.6
10°-20°	23.9	4.1
20°-30°	41.1	7.1
30°-40°	65.9	11.4
40°-50°	91.6	15.9
50°-60°	127.2	22.0
60°-70°	152.2	26.4
70°-80°	58.2	10.1
80°-90°	4.4	0.8
90°-100°	1.5	0.3
100°-110°	1.1	0.2
110°-120°	0.7	0.1
120°-130°	0.3	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°	573.5	99.4
0°-180°	577.2	100.0



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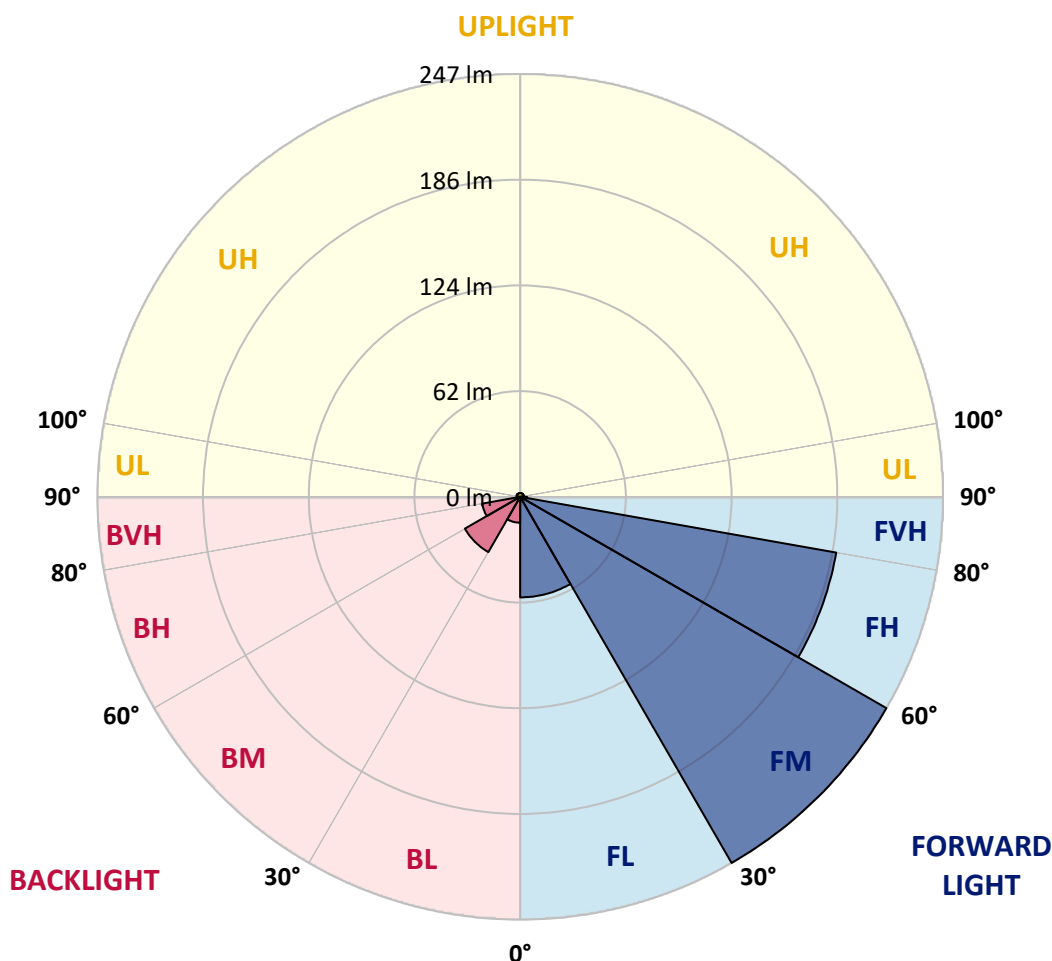
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	58.8	10.2			
FM	(30°-60°)	247.4	42.9			
FH	(60°-80°)	187.8	32.5			G0/660
FVH	(80°-90°)	4.0	0.7			G0/10
BL	(0°-30°)	15.2	2.6	B0/110		
BM	(30°-60°)	37.3	6.5	B0/220		
BH	(60°-80°)	22.6	3.9	B0/110		G0/110
BVH	(80°-90°)	0.4	0.1			G0/10
UL	(90°-100°)	1.5	0.3		U1/10	
UH	(100°-180°)	2.2	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°	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1
2.5°	178.8	175.3	173.5	167.2	160.1	156.5	158.3	154.7	153.8	116.2	110.0
5°	166.3	169.9	169.9	173.5	176.1	176.1	176.1	169.0	146.6	136.8	111.8
7.5°	141.3	138.6	142.2	144.0	150.2	153.8	159.2	158.3	146.6	131.4	112.7
10°	152.0	152.0	149.3	146.6	138.6	130.5	136.8	140.4	139.5	127.9	109.1
12.5°	149.3	148.4	149.3	149.3	149.3	138.6	131.4	130.5	131.4	125.2	107.3
15°	139.5	140.4	140.4	138.6	146.6	143.1	141.3	130.5	118.0	122.5	107.3
17.5°	138.6	135.0	139.5	140.4	139.5	143.1	142.2	139.5	117.1	120.7	107.3
20°	144.9	144.9	143.1	139.5	140.4	140.4	142.2	141.3	123.4	118.9	104.6
22.5°	149.3	145.7	146.6	148.4	144.9	144.0	144.0	142.2	132.3	117.1	107.3
25°	151.1	150.2	152.9	151.1	152.9	148.4	147.5	144.0	137.7	119.8	110.0
27.5°	155.6	155.6	156.5	158.3	160.1	152.9	152.0	150.2	144.0	128.8	112.7
30°	160.1	161.8	162.7	162.7	167.2	163.6	160.9	156.5	153.8	138.6	122.5
32.5°	168.1	169.0	170.8	174.4	175.3	171.7	172.6	169.9	159.2	152.9	132.3
35°	177.0	175.3	180.6	185.1	187.8	182.4	184.2	177.9	173.5	160.9	139.5
37.5°	181.5	180.6	186.9	194.9	199.4	194.9	194.9	194.0	177.0	165.4	144.0
40°	190.5	185.1	193.1	203.0	211.9	209.2	208.3	203.9	184.2	169.9	145.7
42.5°	195.8	189.6	200.3	209.2	220.9	223.5	220.9	214.6	195.8	173.5	149.3
45°	197.6	197.6	206.6	216.4	228.0	232.5	230.7	226.2	200.3	177.9	154.7
47.5°	210.1	204.8	213.7	220.9	237.0	245.0	245.9	240.5	209.2	184.2	156.5
50°	214.6	214.6	220.0	229.8	248.6	260.2	254.8	252.2	219.1	189.6	159.2
52.5°	227.1	227.1	230.7	245.9	260.2	277.2	270.0	265.6	236.1	197.6	169.9
55°	244.1	242.3	250.4	256.6	279.0	291.5	288.8	288.8	243.2	208.3	177.0
57.5°	268.2	258.4	265.6	284.3	302.2	323.7	321.9	308.5	269.1	221.8	184.2
60°	265.6	263.8	275.4	302.2	343.4	368.4	363.9	353.2	299.5	244.1	196.7
62.5°	253.9	245.0	268.2	295.1	350.5	405.1	413.1	401.5	327.3	261.1	209.2
65°	214.6	211.9	232.5	262.9	320.1	404.2	419.4	400.6	316.5	255.7	195.8
67.5°	190.5	188.7	203.0	225.3	272.7	354.1	375.5	362.1	293.3	226.2	172.6
70°	152.0	153.8	169.0	188.7	215.5	268.2	282.6	296.9	239.6	191.4	142.2
72.5°	107.3	108.2	121.6	142.2	159.2	176.1	186.0	196.7	172.6	143.1	107.3
75°	67.1	65.3	74.2	78.7	93.0	112.7	109.1	106.4	101.0	88.5	68.0
77.5°	29.5	30.4	34.9	44.7	48.3	59.9	60.8	57.2	48.3	38.4	25.9
80°	18.8	17.9	19.7	22.4	25.0	25.9	23.2	21.5	20.6	16.1	8.9
82.5°	10.7	9.8	10.7	11.6	12.5	13.4	11.6	10.7	8.0	8.0	3.6
85°	7.2	6.3	6.3	6.3	6.3	5.4	5.4	4.5	4.5	2.7	1.8
87.5°	5.4	5.4	5.4	5.4	4.5	3.6	3.6	2.7	1.8	0.9	0.0
90°	5.4	5.4	5.4	4.5	4.5	3.6	2.7	2.7	1.8	0.9	0.0
92.5°	4.5	4.5	4.5	4.5	3.6	3.6	2.7	2.7	1.8	0.9	0.0
95°	4.5	4.5	4.5	4.5	3.6	2.7	2.7	2.7	1.8	0.9	0.0
97.5°	4.5	4.5	4.5	3.6	3.6	2.7	2.7	2.7	1.8	0.9	0.0
100°	3.6	3.6	3.6	3.6	2.7	2.7	2.7	1.8	1.8	0.9	0.0
102.5°	3.6	3.6	3.6	3.6	2.7	2.7	1.8	1.8	0.9	0.9	0.0
105°	3.6	3.6	3.6	2.7	2.7	1.8	1.8	1.8	0.9	0.9	0.0
107.5°	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8	0.9	0.9	0.0
110°	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8	0.9	0.9	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	2.7	2.7	2.7	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.0
115°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.0
117.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.0	0.0
120°	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.0	0.0
122.5°	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
125°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0
135°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.9	0.9	0.9	0.9	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°	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1	109.1
2.5°	108.2	107.3	105.5	107.3	99.3	56.3	49.2	46.5	45.6	43.8	45.6
5°	109.1	106.4	106.4	68.9	59.0	19.7	1.8	0.0	0.0	0.0	0.0
7.5°	106.4	106.4	92.1	66.2	44.7	17.9	1.8	0.0	0.0	0.0	0.0
10°	106.4	105.5	90.3	65.3	42.9	17.9	0.9	0.0	0.0	0.0	0.0
12.5°	105.5	106.4	88.5	65.3	41.1	17.0	0.9	0.0	0.0	0.0	0.0
15°	105.5	105.5	85.8	65.3	40.2	17.0	0.9	0.0	0.0	0.0	0.0
17.5°	104.6	104.6	84.9	64.4	40.2	17.0	0.9	0.0	0.0	0.0	0.0
20°	103.7	103.7	83.2	61.7	38.4	17.0	0.9	0.0	0.0	0.0	0.0
22.5°	102.8	103.7	82.3	61.7	39.3	17.0	0.9	0.0	0.0	0.0	0.0
25°	107.3	105.5	84.9	62.6	40.2	17.0	0.9	0.0	0.0	0.0	0.0
27.5°	112.7	110.9	86.7	65.3	40.2	17.0	0.9	0.0	0.0	0.0	0.0
30°	118.9	116.2	89.4	68.0	40.2	17.0	0.9	0.0	0.0	0.0	0.0
32.5°	126.1	120.7	91.2	67.1	39.3	16.1	0.9	0.0	0.0	0.0	0.0
35°	131.4	125.2	90.3	64.4	36.7	15.2	0.9	0.0	0.0	0.0	0.0
37.5°	134.1	127.0	90.3	59.0	32.2	13.4	0.9	0.0	0.0	0.0	0.0
40°	138.6	127.9	87.6	54.5	24.1	7.2	0.9	0.0	0.0	0.0	0.0
42.5°	140.4	128.8	83.2	46.5	22.4	8.9	0.9	0.0	0.0	0.0	0.0
45°	142.2	127.9	78.7	42.9	17.9	8.0	0.9	0.0	0.0	0.0	0.0
47.5°	144.9	127.0	76.0	38.4	15.2	7.2	0.9	0.0	0.0	0.0	0.0
50°	152.0	131.4	76.0	34.9	13.4	6.3	0.9	0.0	0.0	0.0	0.0
52.5°	155.6	135.9	77.8	33.1	12.5	5.4	0.9	0.0	0.0	0.0	0.0
55°	162.7	140.4	77.8	31.3	11.6	4.5	0.9	0.0	0.0	0.0	0.0
57.5°	171.7	144.9	81.4	30.4	10.7	4.5	0.9	0.0	0.0	0.0	0.0
60°	182.4	153.8	84.9	30.4	10.7	4.5	0.9	0.0	0.0	0.0	0.0
62.5°	186.9	161.8	92.1	31.3	9.8	4.5	0.9	0.0	0.0	0.0	0.0
65°	180.6	155.6	92.1	31.3	8.9	4.5	0.9	0.0	0.0	0.0	0.0
67.5°	152.0	140.4	85.8	28.6	8.0	4.5	0.9	0.0	0.0	0.0	0.0
70°	122.5	116.2	73.3	23.2	7.2	2.7	0.9	0.0	0.0	0.0	0.0
72.5°	94.8	90.3	58.1	17.0	6.3	2.7	0.9	0.0	0.0	0.0	0.0
75°	56.3	57.2	40.2	11.6	4.5	2.7	0.9	0.0	0.0	0.0	0.0
77.5°	22.4	25.0	18.8	8.0	3.6	1.8	0.9	0.0	0.0	0.0	0.0
80°	7.2	8.0	7.2	4.5	2.7	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	3.6	3.6	3.6	2.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0
85°	1.8	0.9	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-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)