

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: P394733

Luminaire Tested: **303-B1-LEDB1-3000-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394733
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-LEDB1-3000-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE LIGHTBAR, TYPE 4 WITH EDGE GLOW
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 593.6 lumens
Efficiency: N/A
Efficacy: 71.5 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

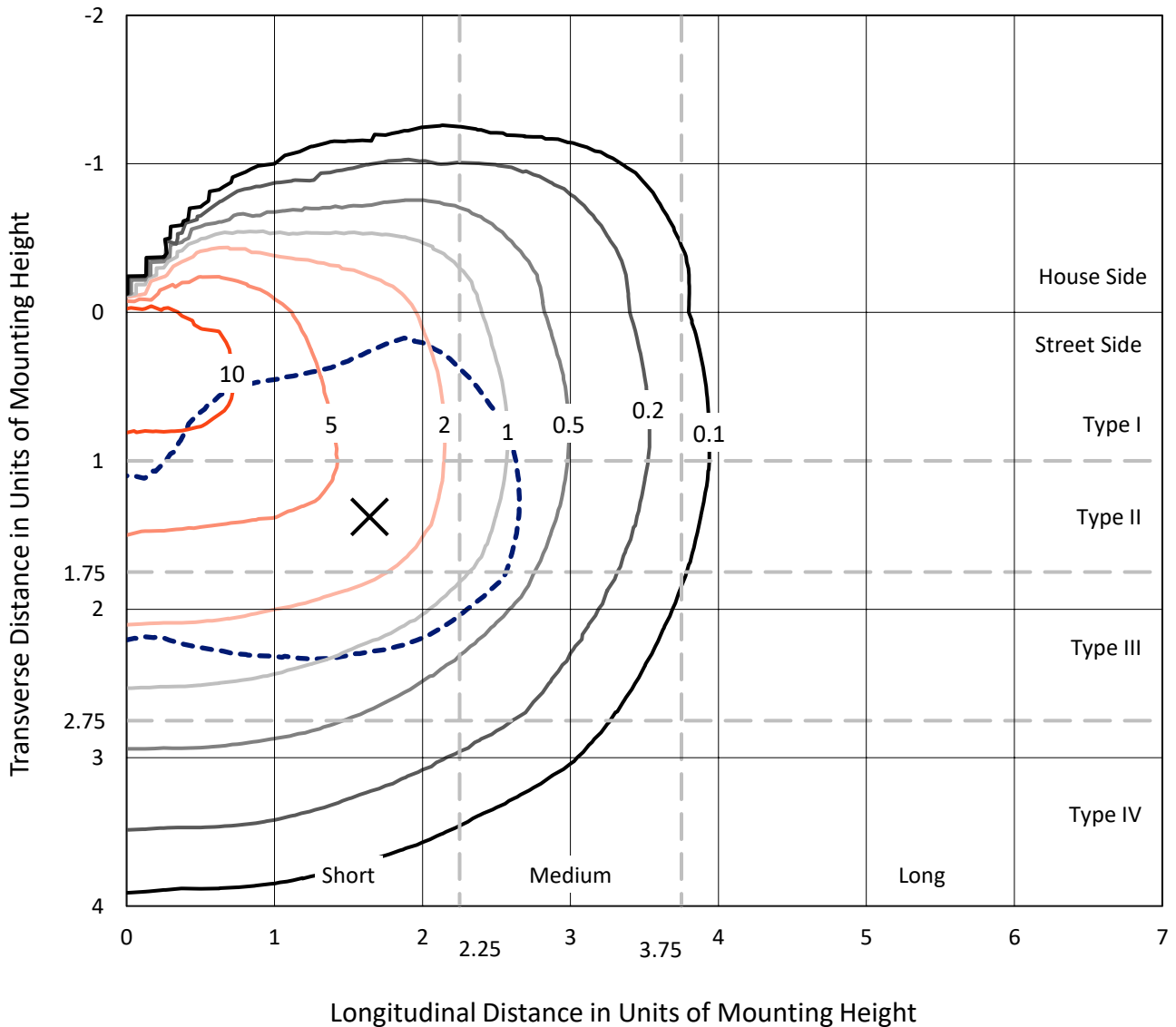
Input Watts (W): 8.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

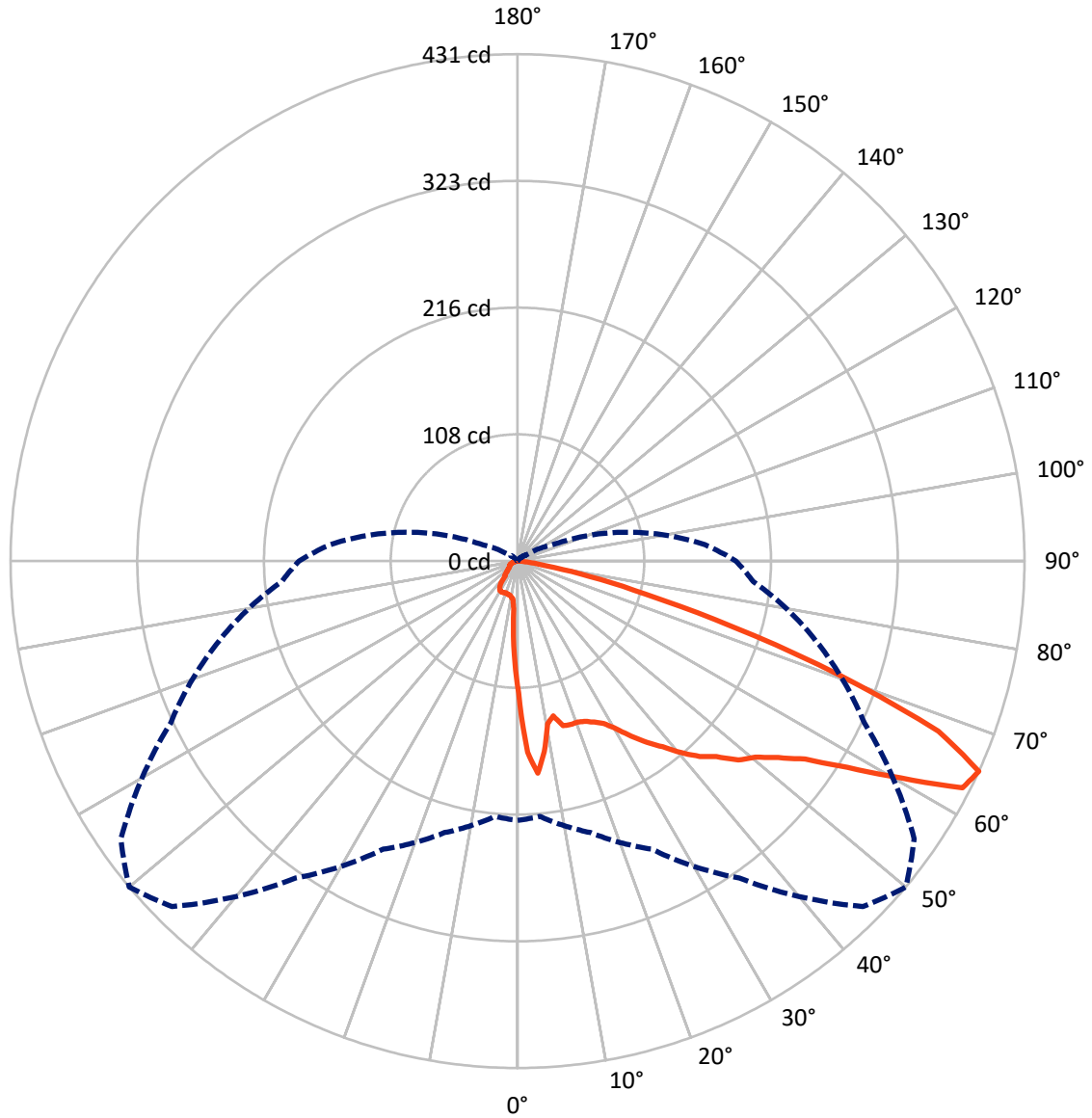
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 16.2 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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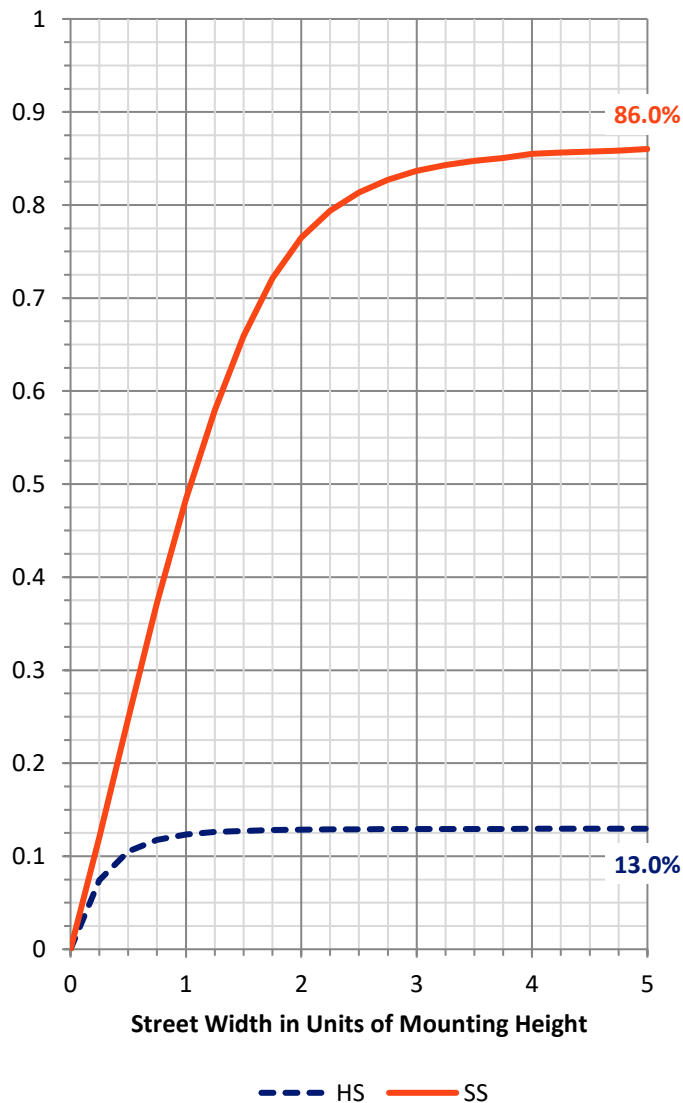
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	77.6	0.0	77.6
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	512.3	3.8	516.1
	% Fixture	86.3	0.6	86.9
Total	Lumens	589.9	3.8	593.6
	% Fixture	99.4	0.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	1.6
10°-20°	24.5	4.1
20°-30°	42.3	7.1
30°-40°	67.8	11.4
40°-50°	94.2	15.9
50°-60°	130.8	22.0
60°-70°	156.5	26.4
70°-80°	59.9	10.1
80°-90°	4.5	0.8
90°-100°	1.6	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°	589.9	99.4
0°-180°	593.6	100.0

Coefficient of Utilization



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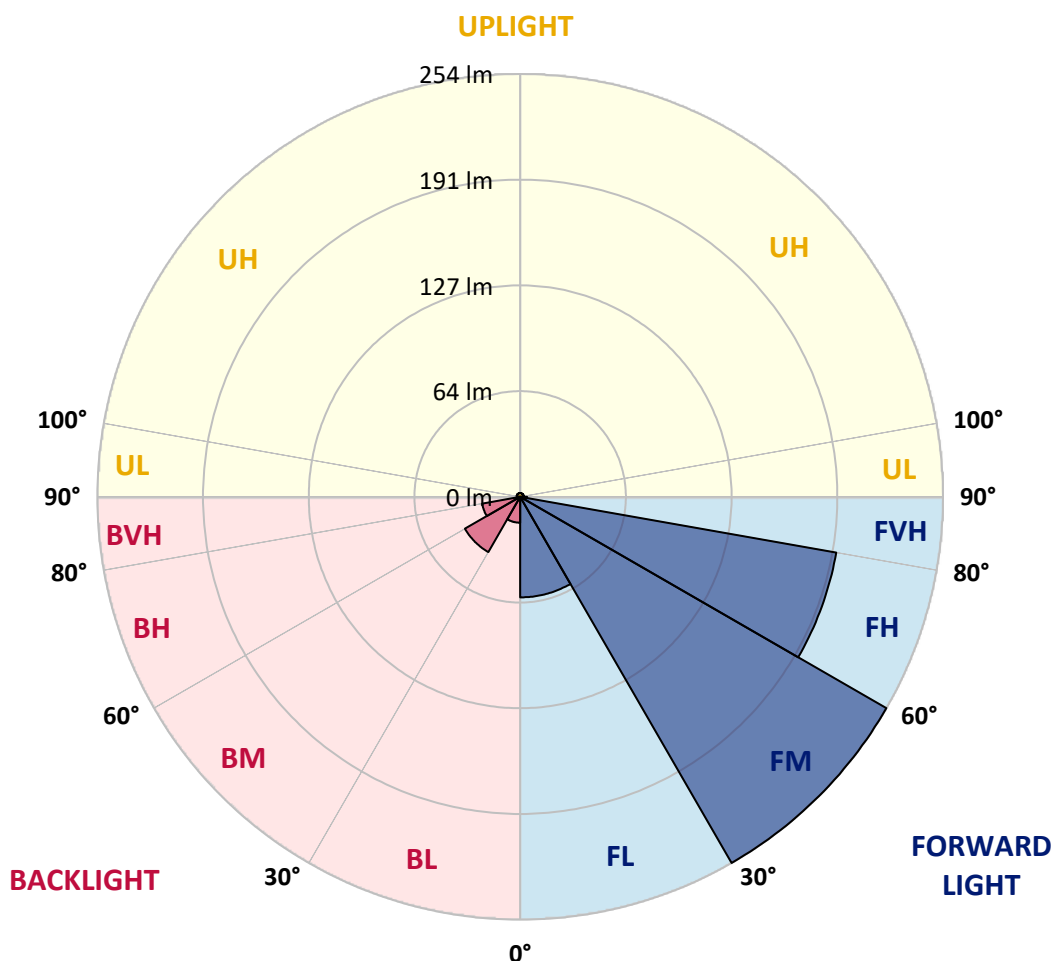
CATALOG NUMBER: 303-B1-LEDB1-3000-UNV-T4-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	60.5	10.2			
FM	(30°-60°)	254.5	42.9			
FH	(60°-80°)	193.2	32.5			G0/660
FVH	(80°-90°)	4.1	0.7			G0/10
BL	(0°-30°)	15.6	2.6	B0/110		
BM	(30°-60°)	38.4	6.5	B0/220		
BH	(60°-80°)	23.2	3.9	B0/110		G0/110
BVH	(80°-90°)	0.4	0.1			G0/10
UL	(90°-100°)	1.6	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°	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
2.5°	183.9	180.3	178.4	172.0	164.6	160.9	162.8	159.1	158.2	119.6	113.1
5°	171.1	174.7	174.7	178.4	181.2	181.2	181.2	173.8	150.8	140.7	115.0
7.5°	145.3	142.6	146.2	148.1	154.5	158.2	163.7	162.8	150.8	135.2	115.9
10°	156.4	156.4	153.6	150.8	142.6	134.3	140.7	144.4	143.5	131.5	112.2
12.5°	153.6	152.7	153.6	153.6	153.6	142.6	135.2	134.3	135.2	128.8	110.4
15°	143.5	144.4	144.4	142.6	150.8	147.2	145.3	134.3	121.4	126.0	110.4
17.5°	142.6	138.9	143.5	144.4	143.5	147.2	146.2	143.5	120.5	124.2	110.4
20°	149.0	149.0	147.2	143.5	144.4	144.4	146.2	145.3	126.9	122.3	107.6
22.5°	153.6	149.9	150.8	152.7	149.0	148.1	148.1	146.2	136.1	120.5	110.4
25°	155.4	154.5	157.3	155.4	157.3	152.7	151.8	148.1	141.6	123.2	113.1
27.5°	160.0	160.0	160.9	162.8	164.6	157.3	156.4	154.5	148.1	132.4	115.9
30°	164.6	166.5	167.4	167.4	172.0	168.3	165.5	160.9	158.2	142.6	126.0
32.5°	172.9	173.8	175.7	179.3	180.3	176.6	177.5	174.7	163.7	157.3	136.1
35°	182.1	180.3	185.8	190.4	193.1	187.6	189.5	183.0	178.4	165.5	143.5
37.5°	186.7	185.8	192.2	200.5	205.1	200.5	200.5	199.6	182.1	170.1	148.1
40°	195.9	190.4	198.7	208.8	218.0	215.2	214.3	209.7	189.5	174.7	149.9
42.5°	201.4	195.0	206.0	215.2	227.2	229.9	227.2	220.7	201.4	178.4	153.6
45°	203.3	203.3	212.5	222.6	234.5	239.1	237.3	232.7	206.0	183.0	159.1
47.5°	216.1	210.6	219.8	227.2	243.7	252.0	252.9	247.4	215.2	189.5	160.9
50°	220.7	220.7	226.2	236.4	255.7	267.6	262.1	259.4	225.3	195.0	163.7
52.5°	233.6	233.6	237.3	252.9	267.6	285.1	277.8	273.2	242.8	203.3	174.7
55°	251.1	249.2	257.5	264.0	286.9	299.8	297.1	297.1	250.2	214.3	182.1
57.5°	275.9	265.8	273.2	292.5	310.9	332.9	331.1	317.3	276.8	228.1	189.5
60°	273.2	271.3	283.3	310.9	353.2	378.9	374.3	363.3	308.1	251.1	202.3
62.5°	261.2	252.0	275.9	303.5	360.5	416.6	424.9	412.9	336.6	268.6	215.2
65°	220.7	218.0	239.1	270.4	329.3	415.7	431.3	412.0	325.6	263.0	201.4
67.5°	195.9	194.1	208.8	231.8	280.5	364.2	386.3	372.5	301.7	232.7	177.5
70°	156.4	158.2	173.8	194.1	221.6	275.9	290.6	305.3	246.5	196.8	146.2
72.5°	110.4	111.3	125.1	146.2	163.7	181.2	191.3	202.3	177.5	147.2	110.4
75°	69.0	67.1	76.3	80.9	95.6	115.9	112.2	109.4	103.9	91.1	69.9
77.5°	30.4	31.3	35.9	46.0	49.7	61.6	62.5	58.9	49.7	39.5	26.7
80°	19.3	18.4	20.2	23.0	25.8	26.7	23.9	22.1	21.2	16.6	9.2
82.5°	11.0	10.1	11.0	12.0	12.9	13.8	12.0	11.0	8.3	8.3	3.7
85°	7.4	6.4	6.4	6.4	6.4	5.5	5.5	4.6	4.6	2.8	1.8
87.5°	5.5	5.5	5.5	5.5	4.6	3.7	3.7	2.8	1.8	0.9	0.0
90°	5.5	5.5	5.5	4.6	4.6	3.7	2.8	2.8	1.8	0.9	0.0
92.5°	4.6	4.6	4.6	4.6	3.7	3.7	2.8	2.8	1.8	0.9	0.0
95°	4.6	4.6	4.6	4.6	3.7	2.8	2.8	2.8	1.8	0.9	0.0
97.5°	4.6	4.6	4.6	3.7	3.7	2.8	2.8	2.8	1.8	0.9	0.0
100°	3.7	3.7	3.7	3.7	2.8	2.8	2.8	1.8	1.8	0.9	0.0
102.5°	3.7	3.7	3.7	3.7	2.8	2.8	1.8	1.8	0.9	0.9	0.0
105°	3.7	3.7	3.7	2.8	2.8	1.8	1.8	1.8	0.9	0.9	0.0
107.5°	2.8	2.8	2.8	2.8	2.8	1.8	1.8	1.8	0.9	0.9	0.0
110°	2.8	2.8	2.8	2.8	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°	2.8	2.8	2.8	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°	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2	112.2
2.5°	111.3	110.4	108.5	110.4	102.1	57.9	50.6	47.8	46.9	45.1	46.9
5°	112.2	109.4	109.4	70.8	60.7	20.2	1.8	0.0	0.0	0.0	0.0
7.5°	109.4	109.4	94.7	68.1	46.0	18.4	1.8	0.0	0.0	0.0	0.0
10°	109.4	108.5	92.9	67.1	44.1	18.4	0.9	0.0	0.0	0.0	0.0
12.5°	108.5	109.4	91.1	67.1	42.3	17.5	0.9	0.0	0.0	0.0	0.0
15°	108.5	108.5	88.3	67.1	41.4	17.5	0.9	0.0	0.0	0.0	0.0
17.5°	107.6	107.6	87.4	66.2	41.4	17.5	0.9	0.0	0.0	0.0	0.0
20°	106.7	106.7	85.5	63.5	39.5	17.5	0.9	0.0	0.0	0.0	0.0
22.5°	105.8	106.7	84.6	63.5	40.5	17.5	0.9	0.0	0.0	0.0	0.0
25°	110.4	108.5	87.4	64.4	41.4	17.5	0.9	0.0	0.0	0.0	0.0
27.5°	115.9	114.0	89.2	67.1	41.4	17.5	0.9	0.0	0.0	0.0	0.0
30°	122.3	119.6	92.0	69.9	41.4	17.5	0.9	0.0	0.0	0.0	0.0
32.5°	129.7	124.2	93.8	69.0	40.5	16.6	0.9	0.0	0.0	0.0	0.0
35°	135.2	128.8	92.9	66.2	37.7	15.6	0.9	0.0	0.0	0.0	0.0
37.5°	138.0	130.6	92.9	60.7	33.1	13.8	0.9	0.0	0.0	0.0	0.0
40°	142.6	131.5	90.1	56.1	24.8	7.4	0.9	0.0	0.0	0.0	0.0
42.5°	144.4	132.4	85.5	47.8	23.0	9.2	0.9	0.0	0.0	0.0	0.0
45°	146.2	131.5	80.9	44.1	18.4	8.3	0.9	0.0	0.0	0.0	0.0
47.5°	149.0	130.6	78.2	39.5	15.6	7.4	0.9	0.0	0.0	0.0	0.0
50°	156.4	135.2	78.2	35.9	13.8	6.4	0.9	0.0	0.0	0.0	0.0
52.5°	160.0	139.8	80.0	34.0	12.9	5.5	0.9	0.0	0.0	0.0	0.0
55°	167.4	144.4	80.0	32.2	12.0	4.6	0.9	0.0	0.0	0.0	0.0
57.5°	176.6	149.0	83.7	31.3	11.0	4.6	0.9	0.0	0.0	0.0	0.0
60°	187.6	158.2	87.4	31.3	11.0	4.6	0.9	0.0	0.0	0.0	0.0
62.5°	192.2	166.5	94.7	32.2	10.1	4.6	0.9	0.0	0.0	0.0	0.0
65°	185.8	160.0	94.7	32.2	9.2	4.6	0.9	0.0	0.0	0.0	0.0
67.5°	156.4	144.4	88.3	29.4	8.3	4.6	0.9	0.0	0.0	0.0	0.0
70°	126.0	119.6	75.4	23.9	7.4	2.8	0.9	0.0	0.0	0.0	0.0
72.5°	97.5	92.9	59.8	17.5	6.4	2.8	0.9	0.0	0.0	0.0	0.0
75°	57.9	58.9	41.4	12.0	4.6	2.8	0.9	0.0	0.0	0.0	0.0
77.5°	23.0	25.8	19.3	8.3	3.7	1.8	0.9	0.0	0.0	0.0	0.0
80°	7.4	8.3	7.4	4.6	2.8	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	3.7	3.7	3.7	2.8	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-LEDB1-3000-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)