

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: P394719

Luminaire Tested: **303-B1-LEDB2-4000-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394719
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-LEDB2-4000-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 2 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1321.4 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
IES Classification: Type II - Short
BUG Rating: B1 - U1 - G1

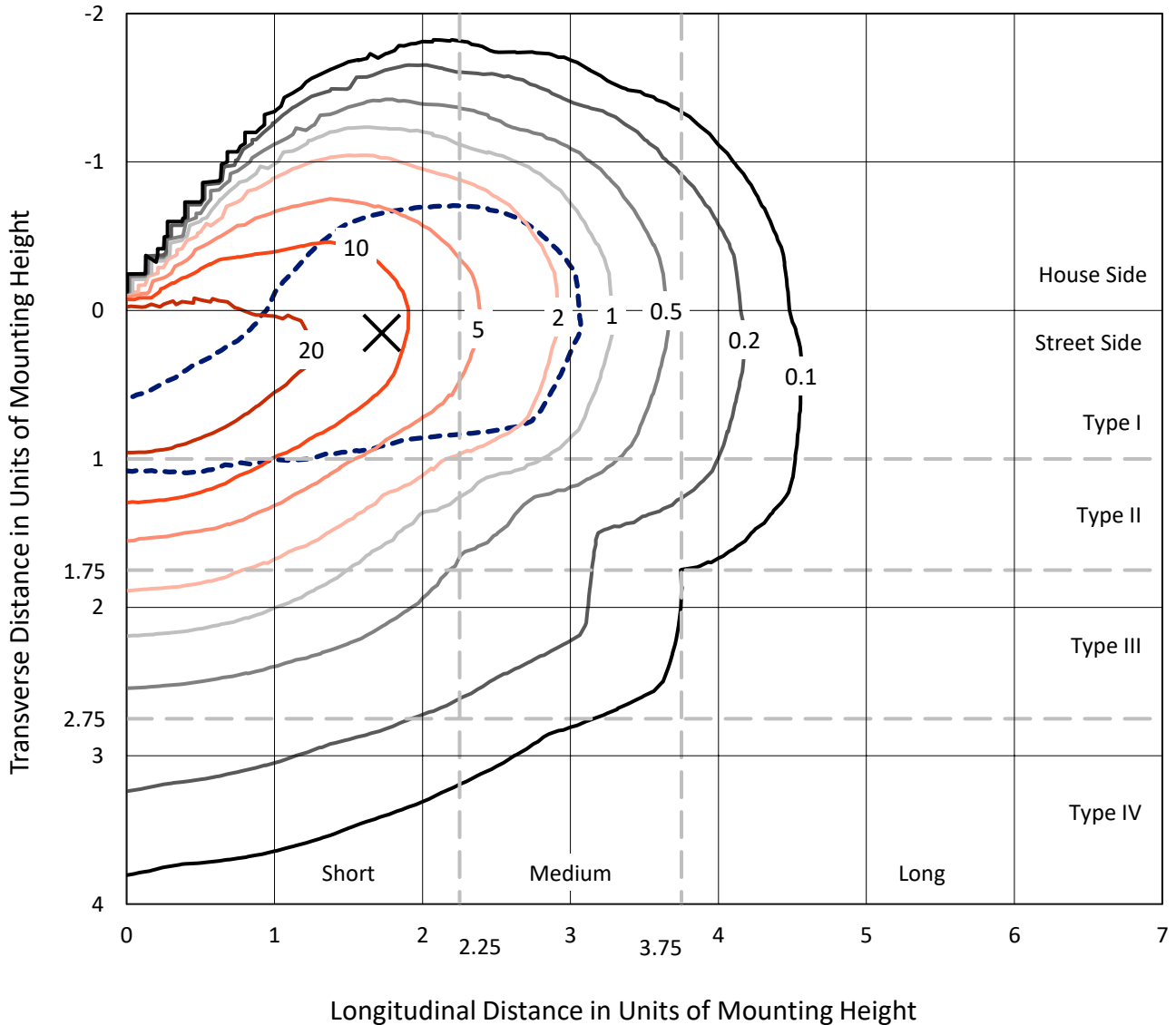
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

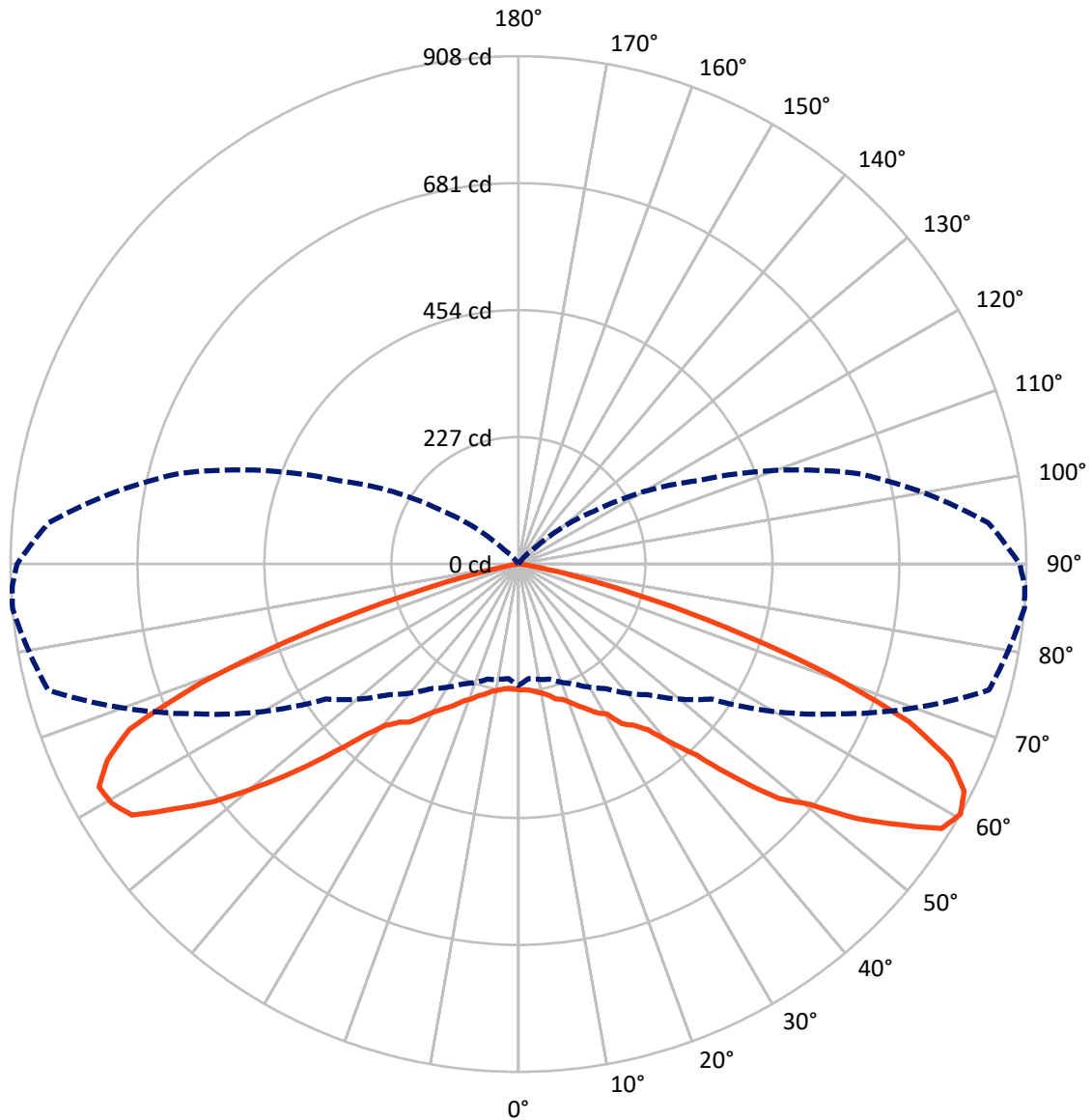
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 35.8 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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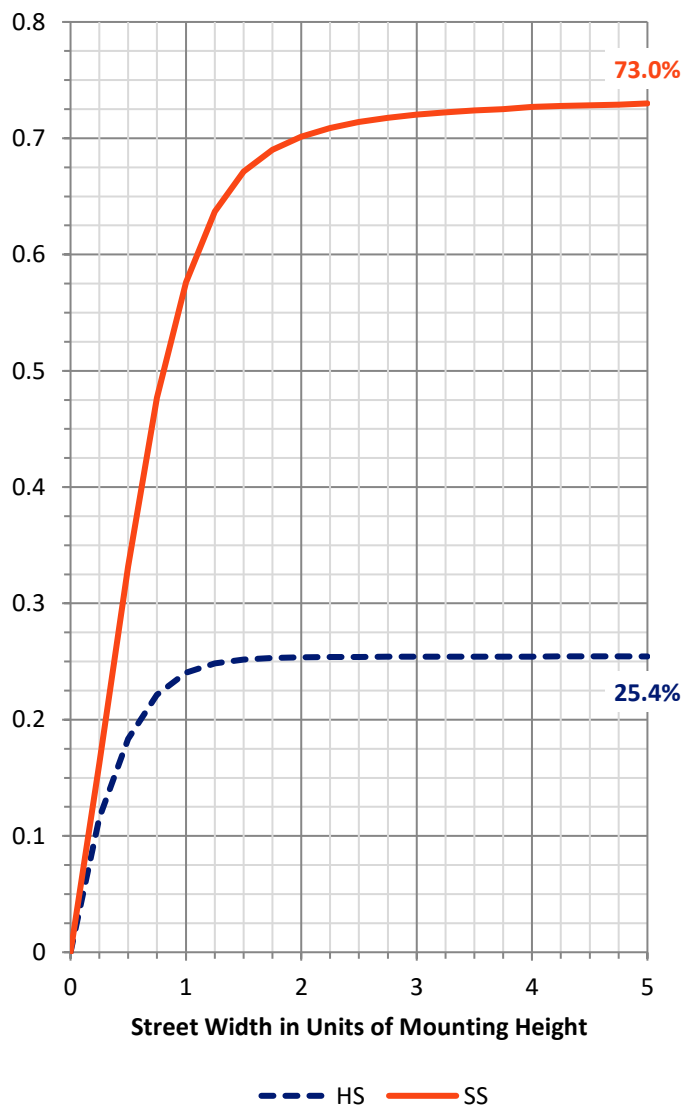
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	338.5	0.0	338.5
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	968.7	14.2	982.9
	% Fixture	73.3	1.1	74.4
Total	Lumens	1307.2	14.2	1321.4
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	1.4
10°-20°	55.1	4.2
20°-30°	106.9	8.1
30°-40°	181.0	13.7
40°-50°	261.5	19.8
50°-60°	327.8	24.8
60°-70°	259.1	19.6
70°-80°	84.8	6.4
80°-90°	12.3	0.9
90°-100°	5.7	0.4
100°-110°	3.9	0.3
110°-120°	2.4	0.2
120°-130°	1.3	0.1
130°-140°	0.6	0.0
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°	1307.2	98.9
0°-180°	1321.4	100.0

Coefficient of Utilization



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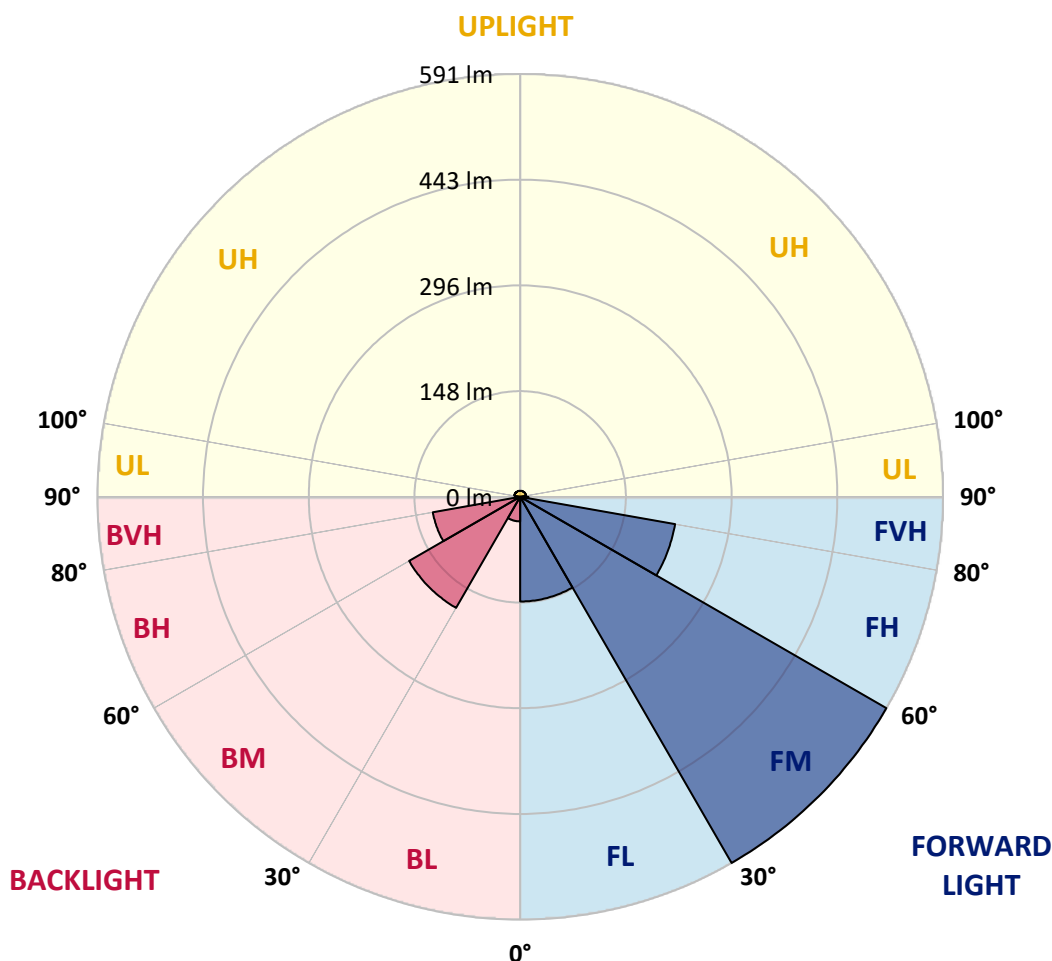
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.3	11.1			
FM	(30°-60°)	591.1	44.7			
FH	(60°-80°)	219.9	16.6			G0/660
FVH	(80°-90°)	11.4	0.9			G1/100
BL	(0°-30°)	34.4	2.6	B0/110		
BM	(30°-60°)	179.3	13.6	B0/220		
BH	(60°-80°)	124.0	9.4	B1/500		G1/500
BVH	(80°-90°)	0.9	0.1			G0/10
UL	(90°-100°)	5.7	0.4		U1/10	
UH	(100°-180°)	8.5	0.6		U1/10	

BUG Rating: B1-U1-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
0°	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0
2.5°	350.2	346.2	340.4	334.5	326.7	316.9	299.3	268.0	238.7	225.0	225.0
5°	336.5	342.3	348.2	354.1	359.9	350.2	334.5	301.3	270.0	226.9	225.0
7.5°	328.6	338.4	330.6	328.6	320.8	314.9	328.6	303.2	273.9	230.8	228.9
10°	334.5	338.4	340.4	336.5	336.5	320.8	301.3	303.2	273.9	234.7	230.8
12.5°	320.8	322.8	328.6	328.6	330.6	332.6	314.9	287.6	281.7	240.6	234.7
15°	324.7	328.6	322.8	328.6	324.7	326.7	326.7	285.6	281.7	250.4	238.7
17.5°	332.6	340.4	344.3	338.4	326.7	324.7	330.6	309.1	279.7	254.3	250.4
20°	363.9	363.9	365.8	361.9	356.0	338.4	330.6	322.8	285.6	264.1	262.1
22.5°	383.4	383.4	387.3	383.4	377.5	371.7	344.3	330.6	285.6	275.8	270.0
25°	406.9	406.9	410.8	412.8	399.1	393.2	373.6	346.2	313.0	287.6	283.6
27.5°	432.3	434.3	436.2	438.2	436.2	430.4	403.0	373.6	326.7	301.3	297.3
30°	455.8	453.8	467.5	465.6	465.6	455.8	438.2	401.0	350.2	311.0	313.0
32.5°	465.6	471.4	481.2	491.0	494.9	487.1	473.4	440.1	381.5	340.4	322.8
35°	481.2	475.4	498.8	506.7	502.7	512.5	504.7	469.5	414.7	354.1	348.2
37.5°	483.2	489.1	498.8	514.5	506.7	534.0	532.1	498.8	448.0	375.6	365.8
40°	485.1	487.1	500.8	510.6	530.1	547.7	561.4	532.1	494.9	418.6	395.2
42.5°	481.2	481.2	494.9	504.7	524.3	553.6	573.2	577.1	543.8	467.5	442.1
45°	471.4	477.3	479.3	491.0	514.5	555.6	586.9	608.4	600.6	545.8	514.5
47.5°	451.9	448.0	461.7	483.2	500.8	541.9	590.8	641.6	669.0	626.0	602.5
50°	424.5	428.4	436.2	455.8	467.5	520.4	588.8	671.0	733.6	674.9	663.2
52.5°	389.3	393.2	403.0	426.5	438.2	496.9	588.8	716.0	802.0	755.1	735.5
55°	348.2	324.7	348.2	375.6	401.0	449.9	565.3	717.9	856.8	821.6	809.9
57.5°	266.0	262.1	271.9	309.1	346.2	395.2	510.6	694.5	882.2	892.0	874.4
60°	217.1	205.4	213.2	236.7	271.9	330.6	420.6	633.8	870.5	907.7	905.7
62.5°	166.3	166.3	174.1	180.0	203.4	256.3	332.6	526.2	807.9	894.0	901.8
65°	131.1	129.1	135.0	142.8	154.5	174.1	234.7	414.7	725.8	849.0	860.7
67.5°	99.8	99.8	103.7	111.5	121.3	129.1	152.6	283.6	635.8	753.1	768.8
70°	80.2	78.2	80.2	90.0	107.6	117.4	117.4	181.9	504.7	584.9	618.2
72.5°	72.4	68.5	68.5	70.4	84.1	107.6	123.2	111.5	316.9	387.3	408.8
75°	56.7	52.8	54.8	56.7	64.6	76.3	109.5	72.4	176.1	217.1	226.9
77.5°	37.2	37.2	37.2	37.2	41.1	48.9	80.2	66.5	101.7	97.8	93.9
80°	29.3	29.3	29.3	29.3	27.4	31.3	43.0	72.4	68.5	27.4	21.5
82.5°	25.4	25.4	25.4	23.5	23.5	21.5	25.4	50.9	43.0	13.7	11.7
85°	21.5	21.5	21.5	21.5	19.6	17.6	15.6	19.6	13.7	5.9	3.9
87.5°	19.6	19.6	19.6	17.6	17.6	13.7	11.7	7.8	5.9	2.0	2.0
90°	19.6	17.6	17.6	17.6	15.6	13.7	9.8	7.8	3.9	2.0	0.0
92.5°	17.6	17.6	17.6	15.6	15.6	11.7	9.8	7.8	3.9	0.0	0.0
95°	17.6	17.6	15.6	15.6	13.7	11.7	9.8	5.9	3.9	0.0	0.0
97.5°	15.6	15.6	15.6	15.6	13.7	11.7	9.8	5.9	3.9	0.0	0.0
100°	13.7	13.7	13.7	13.7	11.7	9.8	7.8	5.9	3.9	0.0	0.0
102.5°	13.7	13.7	13.7	11.7	11.7	9.8	7.8	5.9	2.0	0.0	0.0
105°	11.7	11.7	11.7	11.7	9.8	7.8	5.9	3.9	2.0	0.0	0.0
107.5°	9.8	9.8	9.8	9.8	9.8	7.8	5.9	3.9	2.0	0.0	0.0
110°	9.8	9.8	9.8	9.8	7.8	5.9	5.9	3.9	2.0	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°	7.8	7.8	7.8	7.8	7.8	5.9	3.9	3.9	2.0	0.0	0.0
115°	7.8	7.8	7.8	5.9	5.9	5.9	3.9	3.9	2.0	0.0	0.0
117.5°	5.9	5.9	5.9	5.9	5.9	3.9	3.9	2.0	2.0	0.0	0.0
120°	5.9	5.9	5.9	5.9	5.9	3.9	3.9	2.0	2.0	0.0	0.0
122.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	0.0	0.0
125°	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0
127.5°	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	0.0	0.0
130°	2.0	2.0	3.9	3.9	3.9	2.0	2.0	2.0	2.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	2.0	2.0	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°	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0	225.0
2.5°	223.0	223.0	221.1	207.4	133.0	103.7	95.9	90.0	86.1	76.3	76.3
5°	217.1	223.0	191.7	127.2	78.2	31.3	2.0	0.0	0.0	0.0	0.0
7.5°	223.0	225.0	178.0	121.3	70.4	29.3	2.0	0.0	0.0	0.0	0.0
10°	230.8	228.9	181.9	123.2	74.3	29.3	2.0	0.0	0.0	0.0	0.0
12.5°	230.8	232.8	183.9	123.2	80.2	29.3	2.0	0.0	0.0	0.0	0.0
15°	242.6	240.6	187.8	125.2	82.2	29.3	2.0	0.0	0.0	0.0	0.0
17.5°	250.4	246.5	193.7	129.1	82.2	29.3	2.0	0.0	0.0	0.0	0.0
20°	258.2	256.3	191.7	135.0	84.1	31.3	2.0	0.0	0.0	0.0	0.0
22.5°	270.0	264.1	203.4	138.9	88.0	31.3	2.0	0.0	0.0	0.0	0.0
25°	279.7	277.8	207.4	144.8	86.1	33.3	2.0	0.0	0.0	0.0	0.0
27.5°	287.6	289.5	226.9	152.6	101.7	35.2	0.0	0.0	0.0	0.0	0.0
30°	307.1	303.2	240.6	160.4	107.6	37.2	0.0	0.0	0.0	0.0	0.0
32.5°	322.8	320.8	252.4	172.1	115.4	39.1	0.0	0.0	0.0	0.0	0.0
35°	344.3	342.3	270.0	181.9	123.2	39.1	0.0	0.0	0.0	0.0	0.0
37.5°	359.9	354.1	283.6	195.6	131.1	43.0	0.0	0.0	0.0	0.0	0.0
40°	387.3	373.6	297.3	203.4	117.4	23.5	0.0	0.0	0.0	0.0	0.0
42.5°	432.3	412.8	316.9	215.2	142.8	45.0	0.0	0.0	0.0	0.0	0.0
45°	487.1	471.4	344.3	226.9	127.2	46.9	0.0	0.0	0.0	0.0	0.0
47.5°	563.4	541.9	381.5	236.7	150.6	46.9	0.0	0.0	0.0	0.0	0.0
50°	647.5	612.3	440.1	254.3	158.5	45.0	0.0	0.0	0.0	0.0	0.0
52.5°	723.8	688.6	506.7	289.5	166.3	43.0	0.0	0.0	0.0	0.0	0.0
55°	790.3	753.1	573.2	316.9	168.2	41.1	0.0	0.0	0.0	0.0	0.0
57.5°	849.0	823.6	624.0	358.0	172.1	37.2	0.0	0.0	0.0	0.0	0.0
60°	895.9	843.1	626.0	352.1	164.3	35.2	0.0	0.0	0.0	0.0	0.0
62.5°	899.9	849.0	610.3	324.7	144.8	29.3	0.0	0.0	0.0	0.0	0.0
65°	841.2	813.8	573.2	273.9	113.5	21.5	0.0	0.0	0.0	0.0	0.0
67.5°	774.7	755.1	512.5	215.2	80.2	15.6	0.0	0.0	0.0	0.0	0.0
70°	620.1	602.5	408.8	150.6	46.9	7.8	0.0	0.0	0.0	0.0	0.0
72.5°	399.1	395.2	256.3	86.1	21.5	3.9	0.0	0.0	0.0	0.0	0.0
75°	219.1	211.3	117.4	37.2	9.8	2.0	0.0	0.0	0.0	0.0	0.0
77.5°	82.2	76.3	41.1	15.6	5.9	2.0	0.0	0.0	0.0	0.0	0.0
80°	21.5	19.6	15.6	9.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	9.8	9.8	7.8	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.9	3.9	2.0	2.0	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	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-LEDB2-4000-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)