

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: P394714

Luminaire Tested: **303-B1-LEDB2-2700-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394714
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-LEDB2-2700-UNV-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO 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: 1208 lumens
Efficiency: N/A
Efficacy: 77.9 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

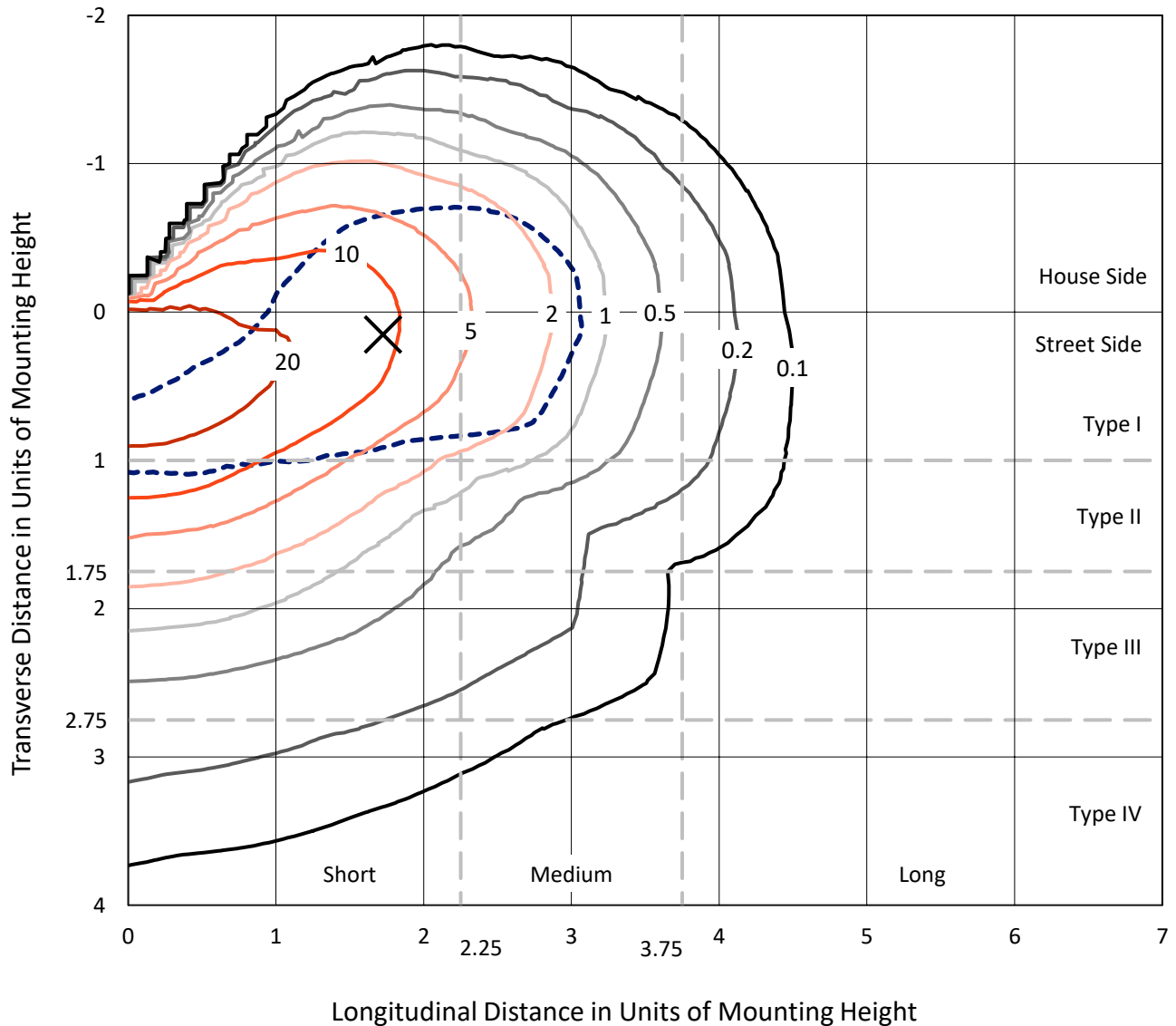


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Iso-Footcandle Lines of Horizontal Illumination

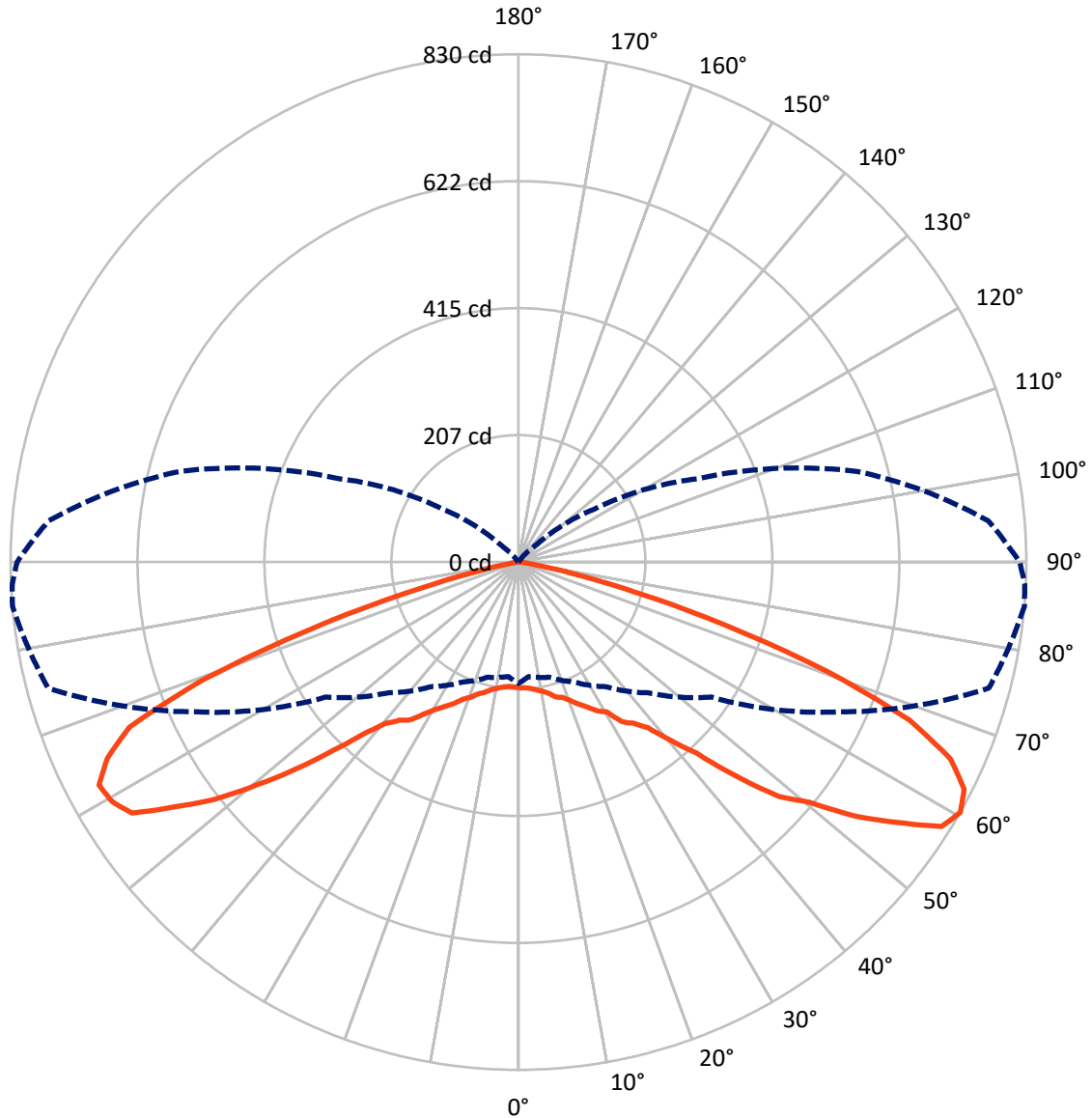
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 32.7 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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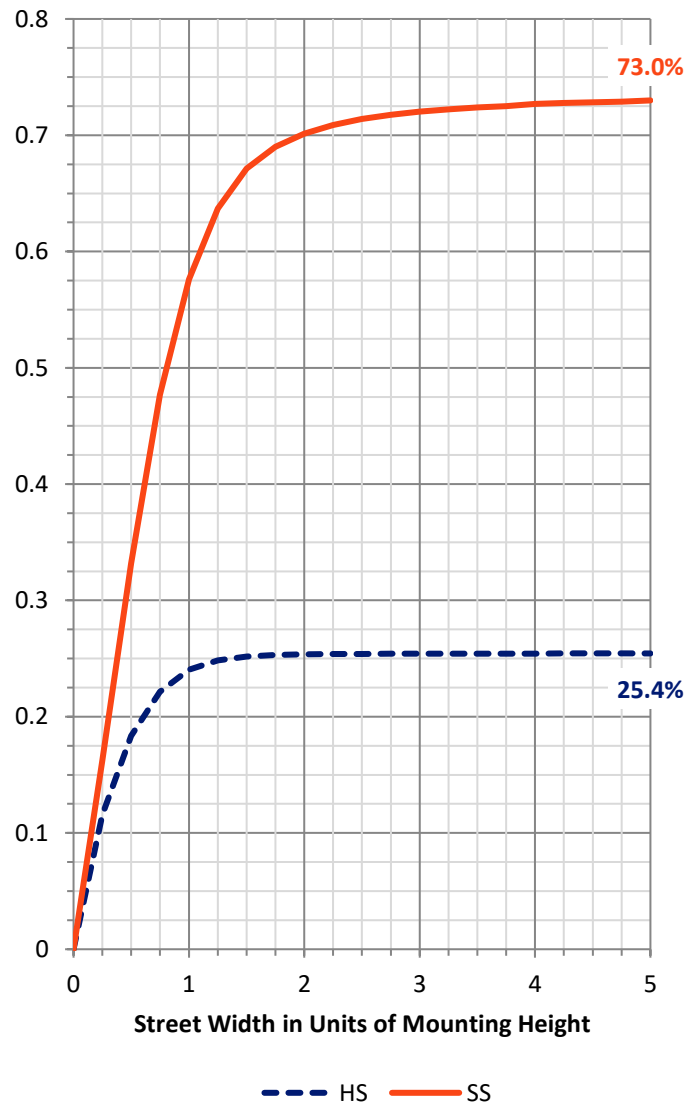
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	309.5	0.0	309.5
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	885.5	13.0	898.5
	% Fixture	73.3	1.1	74.4
Total	Lumens	1195.0	13.0	1208.0
	% Fixture	98.9	1.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	1.4
10°-20°	50.3	4.2
20°-30°	97.7	8.1
30°-40°	165.5	13.7
40°-50°	239.1	19.8
50°-60°	299.7	24.8
60°-70°	236.9	19.6
70°-80°	77.5	6.4
80°-90°	11.2	0.9
90°-100°	5.2	0.4
100°-110°	3.6	0.3
110°-120°	2.2	0.2
120°-130°	1.2	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°	1195.0	98.9
0°-180°	1208.0	100.0



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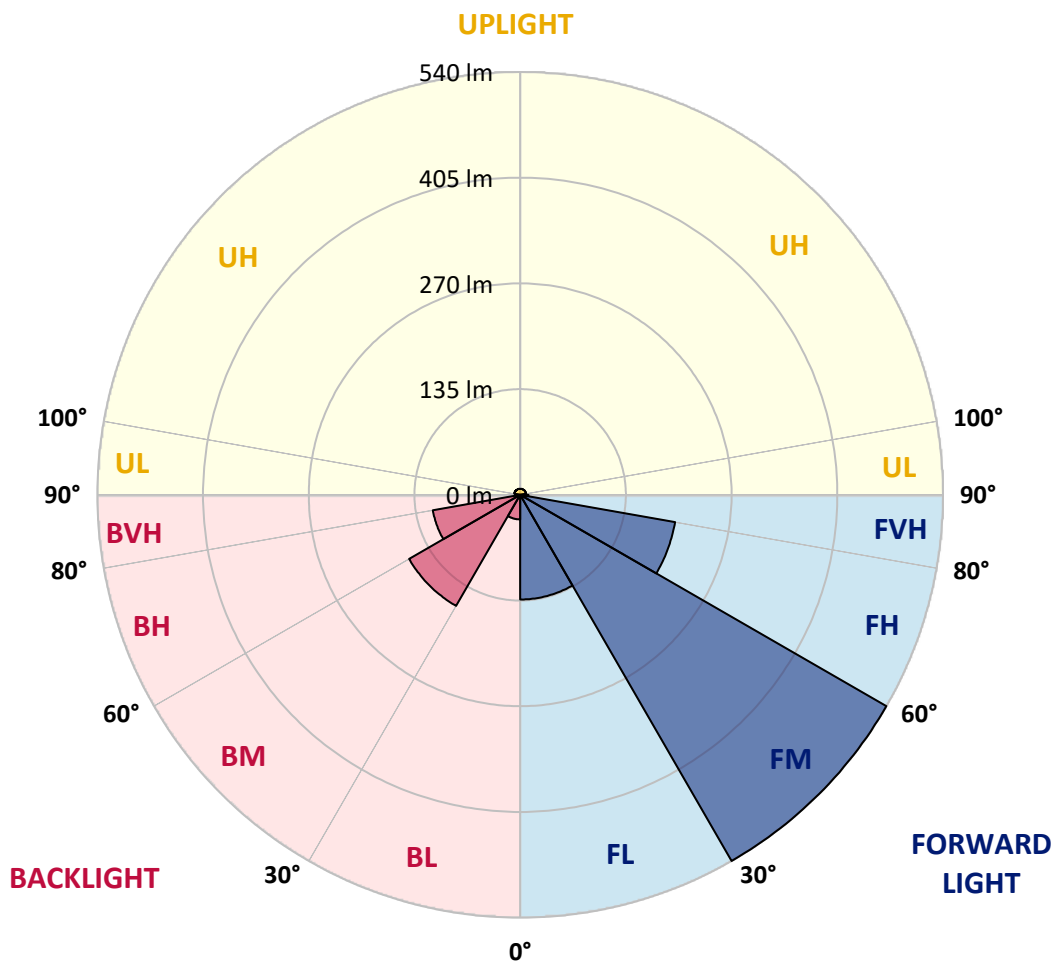
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	133.7	11.1			
FM	(30°-60°)	540.3	44.7			
FH	(60°-80°)	201.0	16.6			G0/660
FVH	(80°-90°)	10.4	0.9			G1/100
BL	(0°-30°)	31.4	2.6	B0/110		
BM	(30°-60°)	163.9	13.6	B0/220		
BH	(60°-80°)	113.4	9.4	B1/500		G1/500
BVH	(80°-90°)	0.8	0.1			G0/10
UL	(90°-100°)	5.2	0.4		U1/10	
UH	(100°-180°)	7.7	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°	205.7	205.7	205.7	205.7	205.7	205.7	205.7	205.7	205.7	205.7	205.7
2.5°	320.1	316.5	311.2	305.8	298.6	289.7	273.6	245.0	218.2	205.7	205.7
5°	307.6	313.0	318.3	323.7	329.1	320.1	305.8	275.4	246.8	207.4	205.7
7.5°	300.4	309.4	302.2	300.4	293.3	287.9	300.4	277.2	250.4	211.0	209.2
10°	305.8	309.4	311.2	307.6	307.6	293.3	275.4	277.2	250.4	214.6	211.0
12.5°	293.3	295.1	300.4	300.4	302.2	304.0	287.9	262.9	257.5	220.0	214.6
15°	296.9	300.4	295.1	300.4	296.9	298.6	298.6	261.1	257.5	228.9	218.2
17.5°	304.0	311.2	314.7	309.4	298.6	296.9	302.2	282.6	255.7	232.5	228.9
20°	332.6	332.6	334.4	330.8	325.5	309.4	302.2	295.1	261.1	241.4	239.6
22.5°	350.5	350.5	354.1	350.5	345.1	339.8	314.7	302.2	261.1	252.2	246.8
25°	372.0	372.0	375.5	377.3	364.8	359.5	341.6	316.5	286.1	262.9	259.3
27.5°	395.2	397.0	398.8	400.6	398.8	393.4	368.4	341.6	298.6	275.4	271.8
30°	416.7	414.9	427.4	425.6	425.6	416.7	400.6	366.6	320.1	284.3	286.1
32.5°	425.6	431.0	439.9	448.9	452.4	445.3	432.8	402.4	348.7	311.2	295.1
35°	439.9	434.6	456.0	463.2	459.6	468.5	461.4	429.2	379.1	323.7	318.3
37.5°	441.7	447.1	456.0	470.3	463.2	488.2	486.4	456.0	409.5	343.4	334.4
40°	443.5	445.3	457.8	466.8	484.6	500.7	513.2	486.4	452.4	382.7	361.2
42.5°	439.9	439.9	452.4	461.4	479.3	506.1	524.0	527.6	497.2	427.4	404.2
45°	431.0	436.4	438.1	448.9	470.3	507.9	536.5	556.2	549.0	498.9	470.3
47.5°	413.1	409.5	422.0	441.7	457.8	495.4	540.1	586.6	611.6	572.3	550.8
50°	388.1	391.6	398.8	416.7	427.4	475.7	538.3	613.4	670.6	617.0	606.2
52.5°	355.9	359.5	368.4	389.9	400.6	454.2	538.3	654.5	733.2	690.3	672.4
55°	318.3	296.9	318.3	343.4	366.6	411.3	516.8	656.3	783.3	751.1	740.4
57.5°	243.2	239.6	248.6	282.6	316.5	361.2	466.8	634.9	806.5	815.5	799.4
60°	198.5	187.8	194.9	216.4	248.6	302.2	384.5	579.4	795.8	829.8	828.0
62.5°	152.0	152.0	159.2	164.5	186.0	234.3	304.0	481.1	738.6	817.3	824.4
65°	119.8	118.0	123.4	130.5	141.3	159.2	214.6	379.1	663.5	776.1	786.9
67.5°	91.2	91.2	94.8	101.9	110.9	118.0	139.5	259.3	581.2	688.5	702.8
70°	73.3	71.5	73.3	82.3	98.4	107.3	107.3	166.3	461.4	534.7	565.1
72.5°	66.2	62.6	62.6	64.4	76.9	98.4	112.7	101.9	289.7	354.1	373.8
75°	51.9	48.3	50.1	51.9	59.0	69.7	100.1	66.2	160.9	198.5	207.4
77.5°	34.0	34.0	34.0	34.0	37.6	44.7	73.3	60.8	93.0	89.4	85.8
80°	26.8	26.8	26.8	26.8	25.0	28.6	39.3	66.2	62.6	25.0	19.7
82.5°	23.2	23.2	23.2	21.5	21.5	19.7	23.2	46.5	39.3	12.5	10.7
85°	19.7	19.7	19.7	19.7	17.9	16.1	14.3	17.9	12.5	5.4	3.6
87.5°	17.9	17.9	17.9	16.1	16.1	12.5	10.7	7.2	5.4	1.8	1.8
90°	17.9	16.1	16.1	16.1	14.3	12.5	8.9	7.2	3.6	1.8	0.0
92.5°	16.1	16.1	16.1	14.3	14.3	10.7	8.9	7.2	3.6	0.0	0.0
95°	16.1	16.1	14.3	14.3	12.5	10.7	8.9	5.4	3.6	0.0	0.0
97.5°	14.3	14.3	14.3	14.3	12.5	10.7	8.9	5.4	3.6	0.0	0.0
100°	12.5	12.5	12.5	12.5	10.7	8.9	7.2	5.4	3.6	0.0	0.0
102.5°	12.5	12.5	12.5	10.7	10.7	8.9	7.2	5.4	1.8	0.0	0.0
105°	10.7	10.7	10.7	10.7	8.9	7.2	5.4	3.6	1.8	0.0	0.0
107.5°	8.9	8.9	8.9	8.9	8.9	7.2	5.4	3.6	1.8	0.0	0.0
110°	8.9	8.9	8.9	8.9	7.2	5.4	5.4	3.6	1.8	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°	7.2	7.2	7.2	7.2	7.2	5.4	3.6	3.6	1.8	0.0	0.0
115°	7.2	7.2	7.2	5.4	5.4	5.4	3.6	3.6	1.8	0.0	0.0
117.5°	5.4	5.4	5.4	5.4	5.4	3.6	3.6	1.8	1.8	0.0	0.0
120°	5.4	5.4	5.4	5.4	5.4	3.6	3.6	1.8	1.8	0.0	0.0
122.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	1.8	1.8	0.0	0.0
125°	3.6	3.6	3.6	3.6	3.6	3.6	1.8	1.8	1.8	0.0	0.0
127.5°	3.6	3.6	3.6	3.6	3.6	1.8	1.8	1.8	1.8	0.0	0.0
130°	1.8	1.8	3.6	3.6	3.6	1.8	1.8	1.8	1.8	0.0	0.0
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	1.8	1.8	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°	205.7	205.7	205.7	205.7	205.7	205.7	205.7	205.7	205.7	205.7	205.7
2.5°	203.9	203.9	202.1	189.6	121.6	94.8	87.6	82.3	78.7	69.7	69.7
5°	198.5	203.9	175.3	116.2	71.5	28.6	1.8	0.0	0.0	0.0	0.0
7.5°	203.9	205.7	162.7	110.9	64.4	26.8	1.8	0.0	0.0	0.0	0.0
10°	211.0	209.2	166.3	112.7	68.0	26.8	1.8	0.0	0.0	0.0	0.0
12.5°	211.0	212.8	168.1	112.7	73.3	26.8	1.8	0.0	0.0	0.0	0.0
15°	221.8	220.0	171.7	114.5	75.1	26.8	1.8	0.0	0.0	0.0	0.0
17.5°	228.9	225.3	177.0	118.0	75.1	26.8	1.8	0.0	0.0	0.0	0.0
20°	236.1	234.3	175.3	123.4	76.9	28.6	1.8	0.0	0.0	0.0	0.0
22.5°	246.8	241.4	186.0	127.0	80.5	28.6	1.8	0.0	0.0	0.0	0.0
25°	255.7	253.9	189.6	132.3	78.7	30.4	1.8	0.0	0.0	0.0	0.0
27.5°	262.9	264.7	207.4	139.5	93.0	32.2	0.0	0.0	0.0	0.0	0.0
30°	280.8	277.2	220.0	146.6	98.4	34.0	0.0	0.0	0.0	0.0	0.0
32.5°	295.1	293.3	230.7	157.4	105.5	35.8	0.0	0.0	0.0	0.0	0.0
35°	314.7	313.0	246.8	166.3	112.7	35.8	0.0	0.0	0.0	0.0	0.0
37.5°	329.1	323.7	259.3	178.8	119.8	39.3	0.0	0.0	0.0	0.0	0.0
40°	354.1	341.6	271.8	186.0	107.3	21.5	0.0	0.0	0.0	0.0	0.0
42.5°	395.2	377.3	289.7	196.7	130.5	41.1	0.0	0.0	0.0	0.0	0.0
45°	445.3	431.0	314.7	207.4	116.2	42.9	0.0	0.0	0.0	0.0	0.0
47.5°	515.0	495.4	348.7	216.4	137.7	42.9	0.0	0.0	0.0	0.0	0.0
50°	591.9	559.7	402.4	232.5	144.9	41.1	0.0	0.0	0.0	0.0	0.0
52.5°	661.7	629.5	463.2	264.7	152.0	39.3	0.0	0.0	0.0	0.0	0.0
55°	722.5	688.5	524.0	289.7	153.8	37.6	0.0	0.0	0.0	0.0	0.0
57.5°	776.1	752.9	570.5	327.3	157.4	34.0	0.0	0.0	0.0	0.0	0.0
60°	819.1	770.8	572.3	321.9	150.2	32.2	0.0	0.0	0.0	0.0	0.0
62.5°	822.6	776.1	558.0	296.9	132.3	26.8	0.0	0.0	0.0	0.0	0.0
65°	769.0	743.9	524.0	250.4	103.7	19.7	0.0	0.0	0.0	0.0	0.0
67.5°	708.2	690.3	468.5	196.7	73.3	14.3	0.0	0.0	0.0	0.0	0.0
70°	566.9	550.8	373.8	137.7	42.9	7.2	0.0	0.0	0.0	0.0	0.0
72.5°	364.8	361.2	234.3	78.7	19.7	3.6	0.0	0.0	0.0	0.0	0.0
75°	200.3	193.1	107.3	34.0	8.9	1.8	0.0	0.0	0.0	0.0	0.0
77.5°	75.1	69.7	37.6	14.3	5.4	1.8	0.0	0.0	0.0	0.0	0.0
80°	19.7	17.9	14.3	8.9	3.6	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	8.9	8.9	7.2	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.6	3.6	1.8	1.8	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-LEDB2-2700-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)