

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: P394774

Luminaire Tested: **303-B2-LEDB4-3000-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P394774  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (Compare Roadway Adding Tool)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/9/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMIERE  
Catalog Number: 303-B2-LEDB4-3000-UNV-T4-DIM10-EDGE  
Description: LUMIERE EON LED LUMINAIRE  
BOLLARD, DUAL HEAD, FOUR 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: 2373.7 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.06' x H: 0.01')  
IES Classification: Type III - Short  
BUG Rating: B1 - U1 - G1

Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

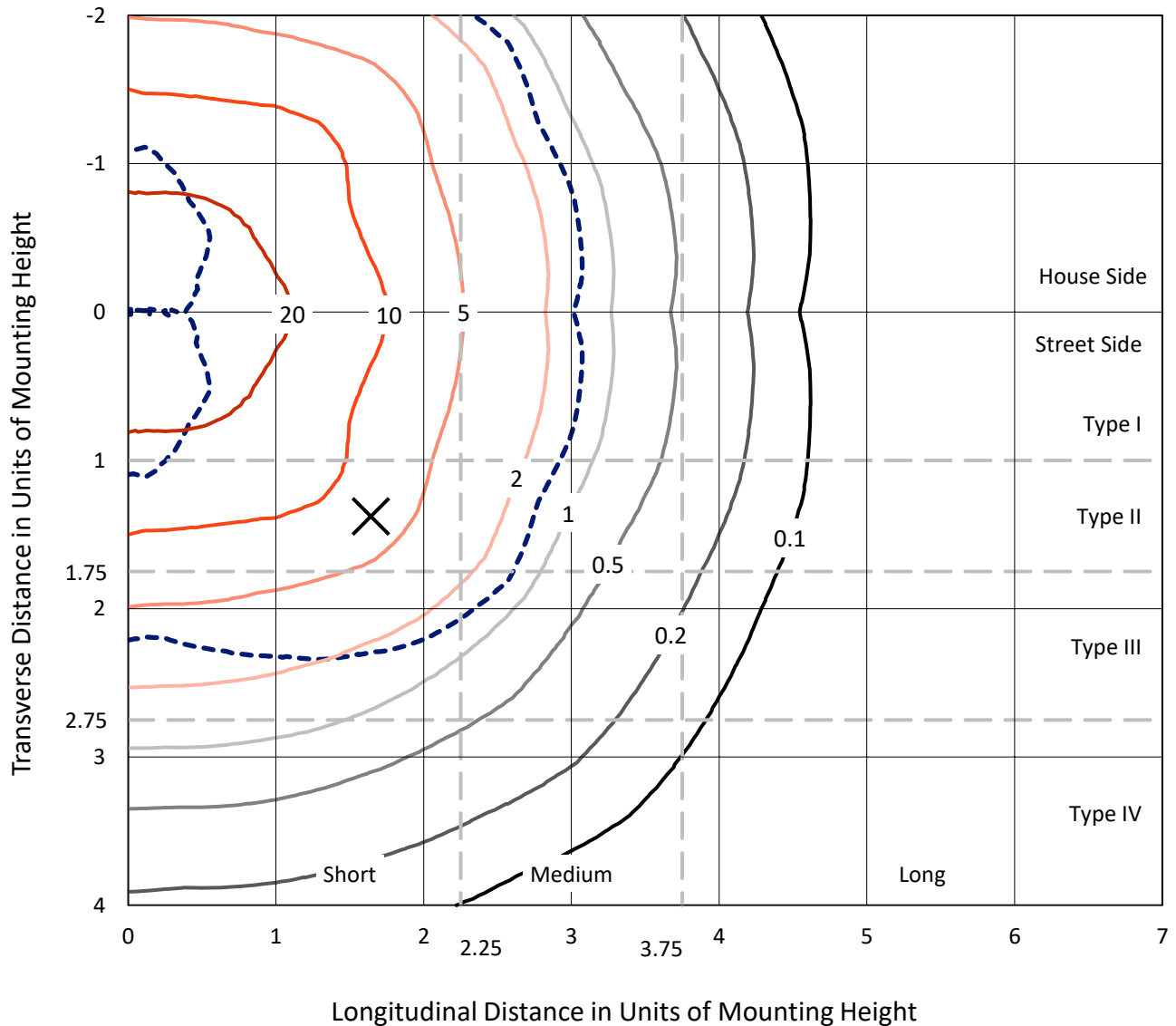


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### Iso-Footcandle Lines of Horizontal Illumination

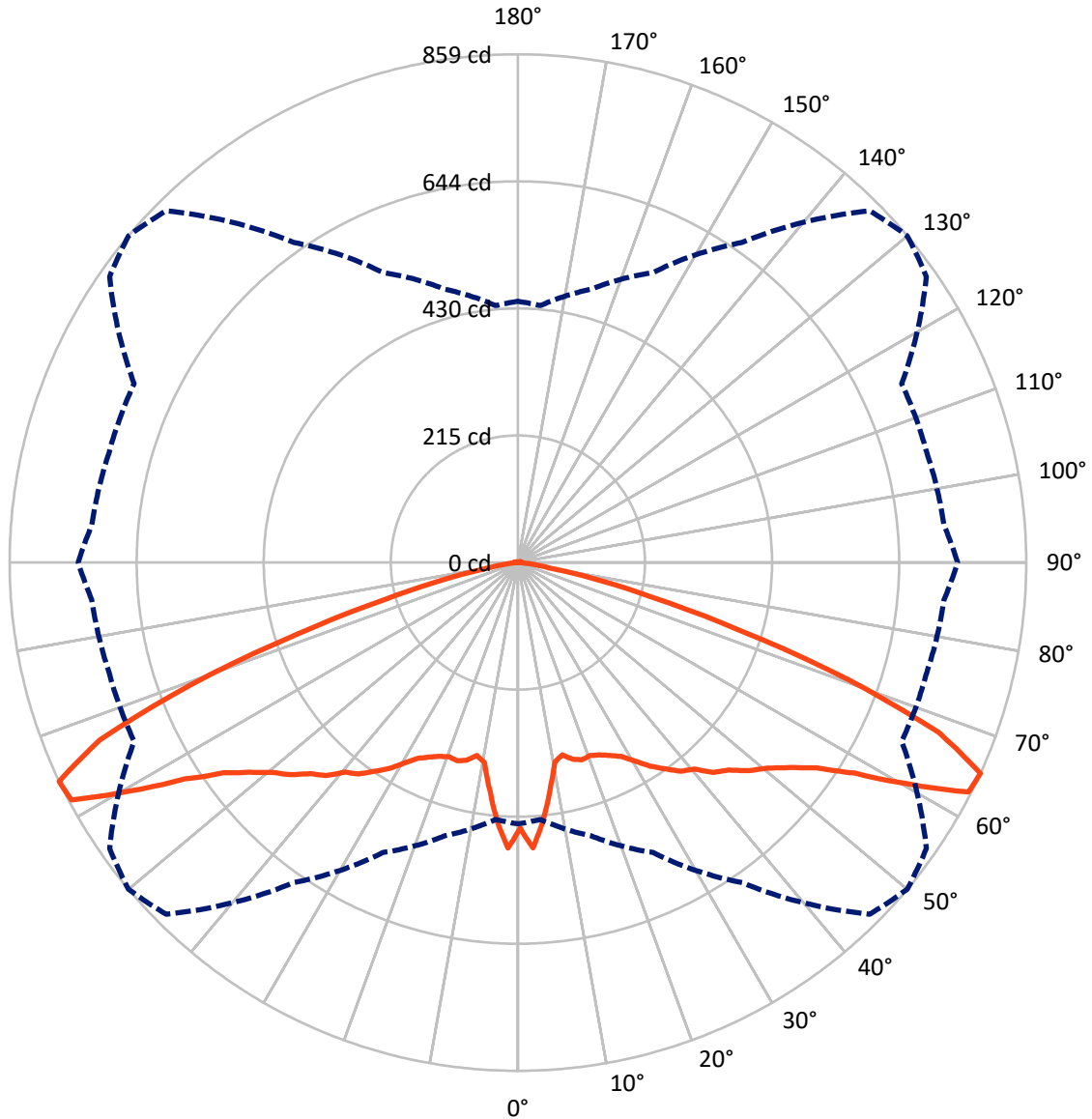
× Max cd  
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 49.9 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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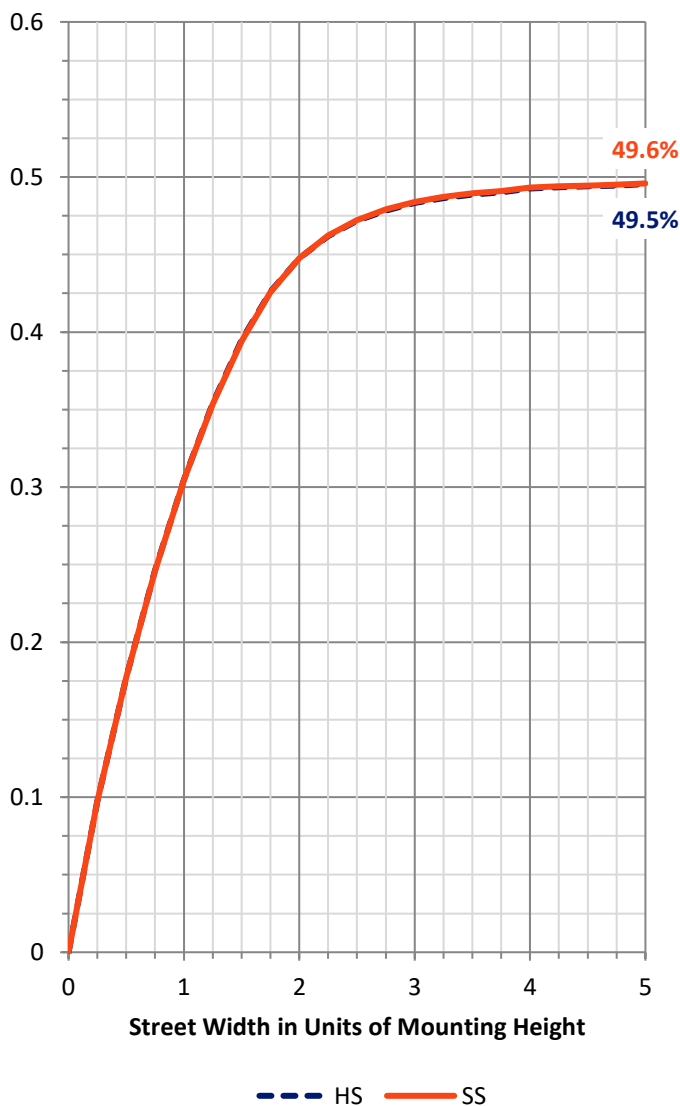
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1179.2	7.6	1186.8
	% Fixture	49.7	0.3	50.0
<b>Street Side</b>	Lumens	1179.2	7.6	1186.8
	% Fixture	49.7	0.3	50.0
<b>Total</b>	Lumens	2358.5	15.2	2373.7
	% Fixture	99.4	0.6	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.2	1.6
10°-20°	98.1	4.1
20°-30°	169.0	7.1
30°-40°	271.2	11.4
40°-50°	376.8	15.9
50°-60°	523.1	22.0
60°-70°	625.4	26.3
70°-80°	239.4	10.1
80°-90°	18.1	0.8
90°-100°	6.2	0.3
100°-110°	4.3	0.2
110°-120°	2.7	0.1
120°-130°	1.4	0.1
130°-140°	0.6	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°	2358.5	99.4
0°-180°	2373.7	100.0

**Coefficient of Utilization**



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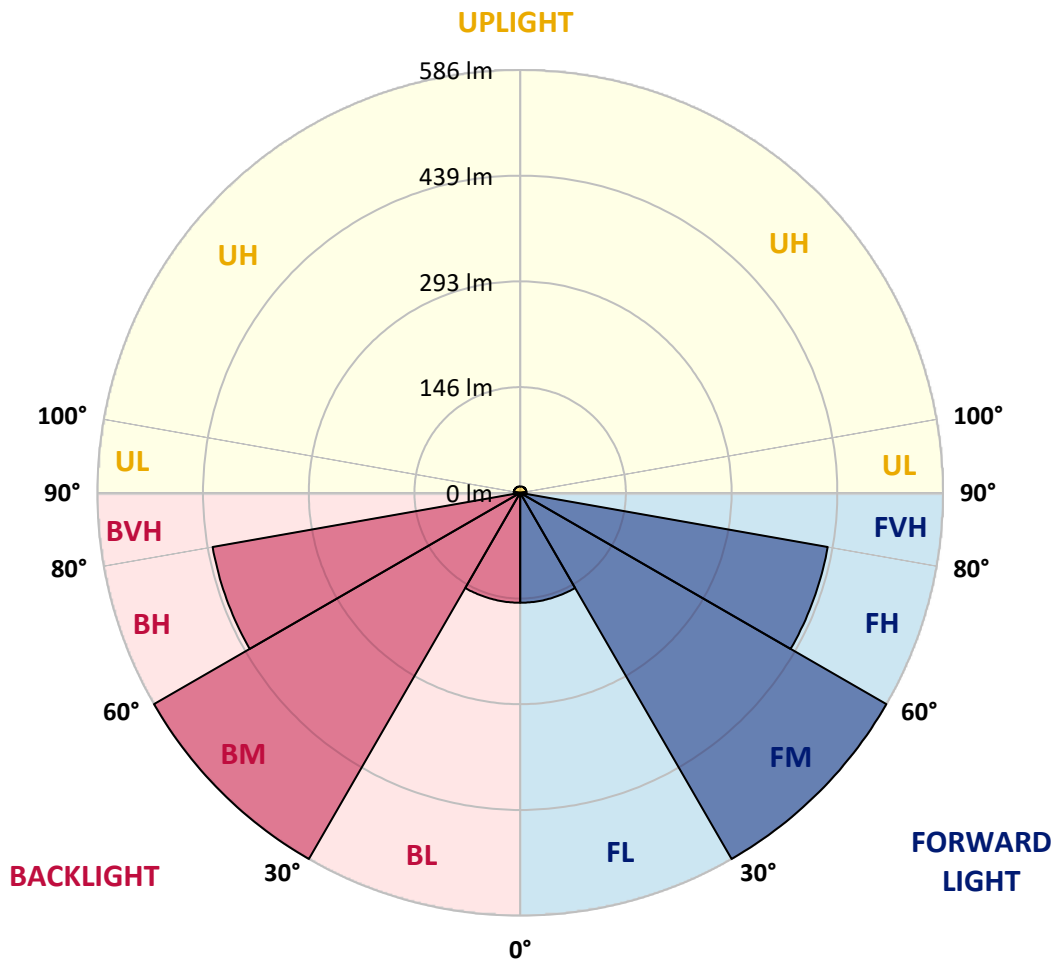
CATALOG NUMBER: 303-B2-LEDB4-3000-UNV-T4-DIM10-EDGE

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	152.2	6.4			
FM (30°-60°)	585.6	24.7			
FH (60°-80°)	432.4	18.2			G0/660
FVH (80°-90°)	9.1	0.4			G0/10
BL (0°-30°)	152.2	6.4	B1/500		
BM (30°-60°)	585.6	24.7	B1/1000		
BH (60°-80°)	432.4	18.2	B1/500		G1/500
BVH (80°-90°)	9.1	0.4			G0/10
UL (90°-100°)	6.2	0.3		U1/10	
UH (100°-180°)	8.9	0.4		U1/10	

**BUG Rating: B1-U1-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	448.8	448.8	448.8	448.8	448.8	448.8	448.8	448.8	448.8	448.8	448.8
2.5°	461.7	450.7	450.7	450.7	445.1	439.6	435.0	430.4	434.1	437.8	482.8
5°	342.1	349.5	349.5	349.5	353.2	356.8	361.4	366.0	384.4	402.8	439.6
7.5°	290.6	285.1	288.8	292.5	294.3	296.1	304.4	312.7	332.9	353.2	388.6
10°	312.7	312.7	309.9	307.2	304.4	301.7	294.3	286.9	296.1	305.3	342.6
12.5°	307.2	305.3	306.3	307.2	307.2	307.2	308.1	309.0	314.5	320.1	333.4
15°	286.9	288.8	288.8	288.8	286.9	285.1	294.3	303.5	316.4	329.3	344.9
17.5°	285.1	277.8	282.4	286.9	287.9	288.8	288.8	288.8	309.0	329.3	350.4
20°	298.0	298.0	296.1	294.3	290.6	286.9	288.8	290.6	307.2	323.7	348.1
22.5°	307.2	299.8	300.7	301.7	303.5	305.3	302.6	299.8	315.5	331.1	353.2
25°	310.9	309.0	311.8	314.5	312.7	310.9	313.6	316.4	328.3	340.3	361.0
27.5°	320.1	320.1	321.0	321.9	323.7	325.6	328.3	331.1	340.3	349.5	371.1
30°	329.3	332.9	333.9	334.8	334.8	334.8	340.3	345.8	358.7	371.6	389.0
32.5°	345.8	347.6	349.5	351.3	355.0	358.7	360.5	362.4	374.3	386.3	410.2
35°	364.2	360.5	366.0	371.6	376.2	380.8	384.4	388.1	397.3	406.5	428.1
37.5°	373.4	371.6	378.0	384.4	392.7	401.0	406.5	412.0	420.3	428.6	447.4
40°	391.8	380.8	389.0	397.3	407.4	417.5	427.7	437.8	441.5	445.1	458.9
42.5°	402.8	390.0	401.0	412.0	421.2	430.4	443.3	456.2	467.2	478.2	484.7
45°	406.5	406.5	415.7	424.9	435.0	445.1	458.0	470.9	482.8	494.8	499.9
47.5°	432.3	421.2	430.4	439.6	447.0	454.3	471.8	489.3	504.0	518.7	525.6
50°	441.5	441.5	447.0	452.5	462.6	472.7	493.0	513.2	530.7	548.1	545.8
52.5°	467.2	467.2	470.9	474.6	490.2	505.8	521.5	537.1	559.2	581.3	575.3
55°	502.2	498.5	506.8	515.0	521.5	527.9	551.8	575.7	592.3	608.8	612.1
57.5°	551.8	531.6	538.9	546.3	565.6	584.9	604.2	623.6	649.3	675.1	671.8
60°	546.3	542.6	554.6	566.5	594.1	621.7	664.9	708.2	737.6	767.0	761.1
62.5°	522.4	504.0	527.9	551.8	579.4	607.0	664.9	722.9	782.7	842.5	854.4
65°	441.5	435.9	457.1	478.2	509.5	540.8	600.6	660.4	750.5	840.6	859.0
67.5°	391.8	388.1	402.8	417.5	440.5	463.5	513.2	562.9	650.2	737.6	767.5
70°	312.7	316.4	332.0	347.6	367.9	388.1	416.6	445.1	501.2	557.3	591.4
72.5°	220.7	222.6	236.4	250.2	271.3	292.5	310.9	329.3	348.6	367.9	392.3
75°	138.0	134.3	143.5	152.7	157.3	161.9	177.5	193.1	215.2	237.3	232.2
77.5°	60.7	62.5	67.1	71.7	81.9	92.0	96.6	101.2	114.0	126.9	128.3
80°	38.6	36.8	38.6	40.5	43.2	46.0	48.7	51.5	53.3	55.2	52.0
82.5°	22.1	20.2	21.2	22.1	23.0	23.9	24.8	25.8	27.6	29.4	26.2
85°	14.7	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.0	11.0	10.6
87.5°	11.0	11.0	11.0	11.0	11.0	11.0	10.1	9.2	8.3	7.4	6.9
90°	11.0	11.0	11.0	11.0	10.1	9.2	9.2	9.2	8.3	7.4	6.0
92.5°	9.2	9.2	9.2	9.2	9.2	9.2	8.3	7.4	7.4	7.4	6.0
95°	9.2	9.2	9.2	9.2	9.2	9.2	8.3	7.4	6.4	5.5	5.5
97.5°	9.2	9.2	9.2	9.2	8.3	7.4	7.4	7.4	6.4	5.5	5.5
100°	7.4	7.4	7.4	7.4	7.4	7.4	6.4	5.5	5.5	5.5	5.1
102.5°	7.4	7.4	7.4	7.4	7.4	7.4	6.4	5.5	5.5	5.5	4.1
105°	7.4	7.4	7.4	7.4	6.4	5.5	5.5	5.5	4.6	3.7	3.7
107.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.6	3.7	3.7
110°	5.5	5.5	5.5	5.5	5.5	5.5	4.6	3.7	3.7	3.7	3.7



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CATALOG NUMBER: 303-B2-LEDB4-3000-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	5.5	5.5	5.5	5.5	4.6	3.7	3.7	3.7	3.7	3.7	3.2
115°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.3
117.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.8	1.8	1.8
120°	3.7	3.7	3.7	3.7	3.7	3.7	2.8	1.8	1.8	1.8	1.8
122.5°	3.7	3.7	3.7	3.7	2.8	1.8	1.8	1.8	1.8	1.8	1.8
125°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
127.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
130°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.5
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	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):**

	55°	60°	65°	70°	75°	80°	85°	90°
0°	448.8	448.8	448.8	448.8	448.8	448.8	448.8	448.8
2.5°	522.4	529.8	537.1	496.6	456.2	451.6	447.0	445.1
5°	469.1	456.2	443.3	471.8	500.3	474.6	448.8	448.8
7.5°	417.5	427.7	437.8	448.8	459.9	455.3	450.7	437.8
10°	377.1	399.2	421.2	435.0	448.8	445.1	441.5	437.8
12.5°	353.2	378.9	404.7	422.1	439.6	439.6	439.6	434.1
15°	351.3	364.2	377.1	402.8	428.6	433.2	437.8	434.1
17.5°	369.7	371.6	373.4	398.2	423.1	429.5	435.9	430.4
20°	369.7	375.2	380.8	398.2	415.7	422.1	428.6	426.7
22.5°	373.4	386.3	399.2	404.7	410.2	422.1	434.1	423.1
25°	378.9	395.5	412.0	416.6	421.2	432.3	443.3	441.5
27.5°	391.8	411.1	430.4	436.9	443.3	451.6	459.9	463.5
30°	404.7	430.4	456.2	462.6	469.1	480.1	491.1	489.3
32.5°	430.4	447.9	465.4	483.8	502.2	511.4	520.6	518.7
35°	441.5	465.4	489.3	503.1	516.9	530.7	544.5	540.8
37.5°	465.4	475.5	485.6	505.8	526.1	541.7	557.3	551.8
40°	469.1	480.1	491.1	510.4	529.8	546.3	562.9	570.2
42.5°	487.4	493.0	498.5	513.2	527.9	550.0	572.1	577.6
45°	502.2	501.2	500.3	514.1	527.9	554.6	581.3	584.9
47.5°	526.1	517.8	509.5	522.4	535.3	559.2	583.1	596.0
50°	546.3	534.4	522.4	534.4	546.3	572.1	597.8	625.4
52.5°	572.1	562.9	553.7	560.1	566.5	597.8	629.1	640.1
55°	618.0	591.4	564.7	576.7	588.6	620.8	653.0	669.5
57.5°	656.7	636.4	616.2	619.9	623.6	650.2	676.9	706.3
60°	748.6	713.7	678.7	677.8	676.9	699.0	721.1	750.5
62.5°	846.1	791.9	737.6	732.1	726.6	745.0	763.4	768.9
65°	842.5	779.0	715.5	715.5	715.5	719.2	722.9	743.1
67.5°	761.5	711.9	662.2	652.1	642.0	642.9	643.8	625.4
70°	625.4	583.1	540.8	542.6	544.5	538.0	531.6	504.0
72.5°	417.5	403.8	390.0	401.9	413.9	410.2	406.5	390.0
75°	228.1	229.9	231.8	248.3	264.9	261.2	257.5	231.8
77.5°	125.1	120.5	115.9	116.8	117.7	111.3	104.8	92.0
80°	49.7	50.6	51.5	49.7	47.8	41.4	34.9	29.4
82.5°	23.9	23.0	22.1	23.0	23.9	19.3	14.7	14.7
85°	9.2	10.1	11.0	9.2	7.4	6.4	5.5	7.4
87.5°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.0
90°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.0
92.5°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.0
95°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.0
97.5°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.0
100°	3.7	3.7	3.7	2.8	1.8	0.9	0.0	0.0
102.5°	3.7	2.8	1.8	1.8	1.8	0.9	0.0	0.0
105°	3.7	2.8	1.8	1.8	1.8	0.9	0.0	0.0
107.5°	3.7	2.8	1.8	1.8	1.8	0.9	0.0	0.0
110°	3.7	2.8	1.8	1.8	1.8	0.9	0.0	0.0



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CATALOG NUMBER: 303-B2-LEDB4-3000-UNV-T4-DIM10-EDGE

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
115°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
117.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
120°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
122.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
125°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
127.5°	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	1.8	0.9	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)