

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: P394755

Luminaire Tested: **303-B1-LEDB2-4000-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394755
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-6)
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-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 5 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1182.3 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
IES Classification: Type I - Short
BUG Rating: B0 - U2 - G1

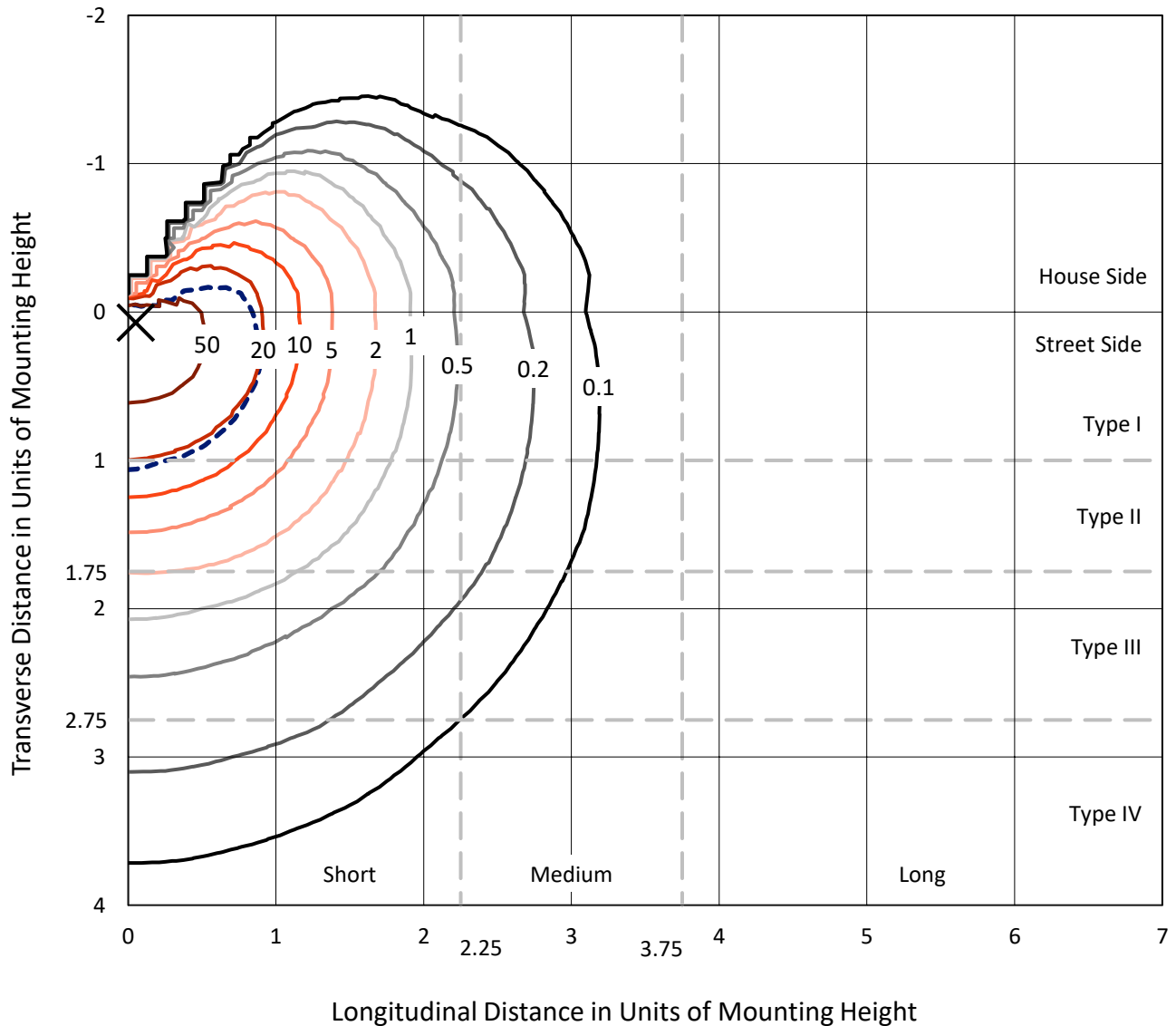
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

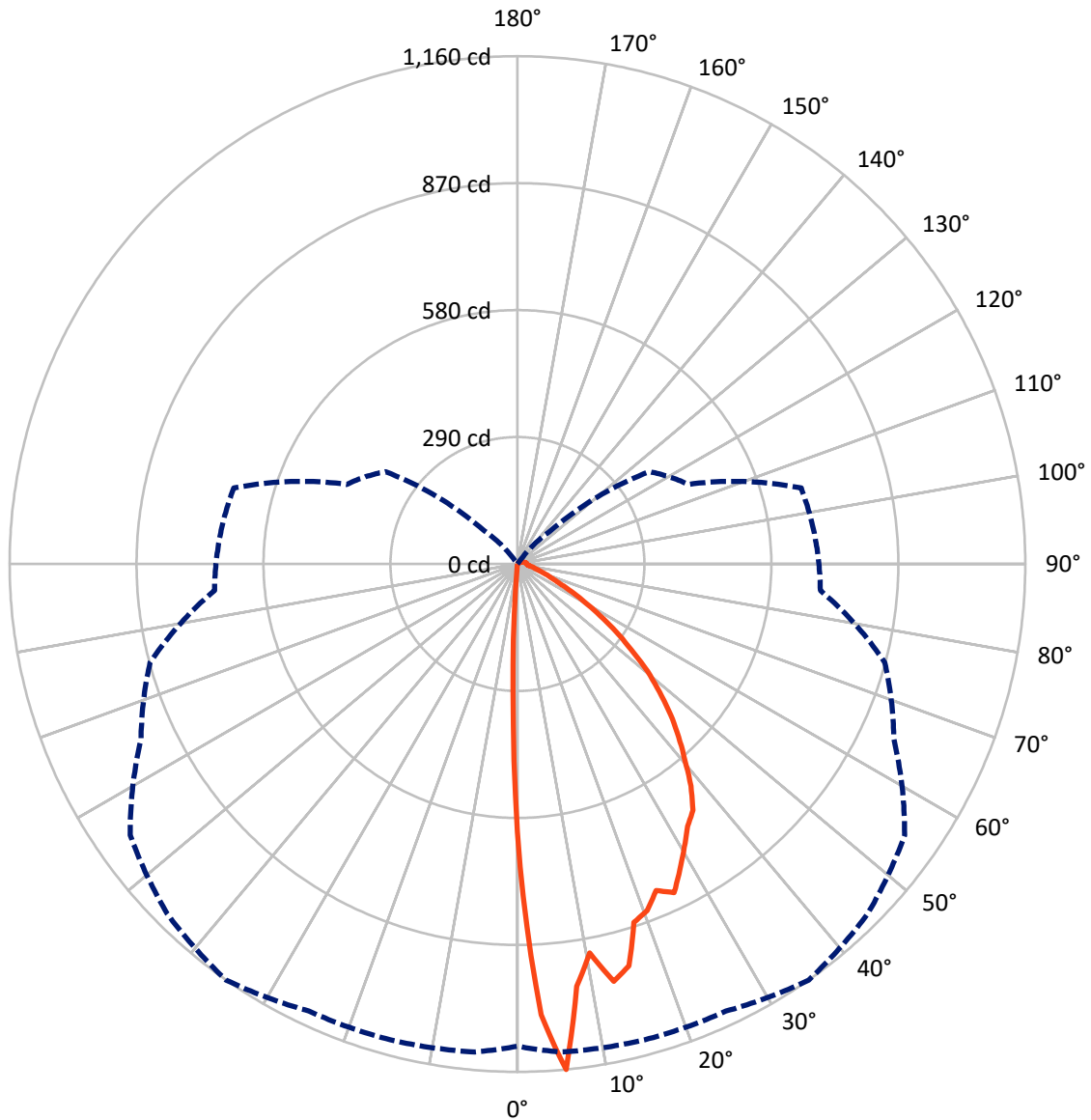
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 102.4 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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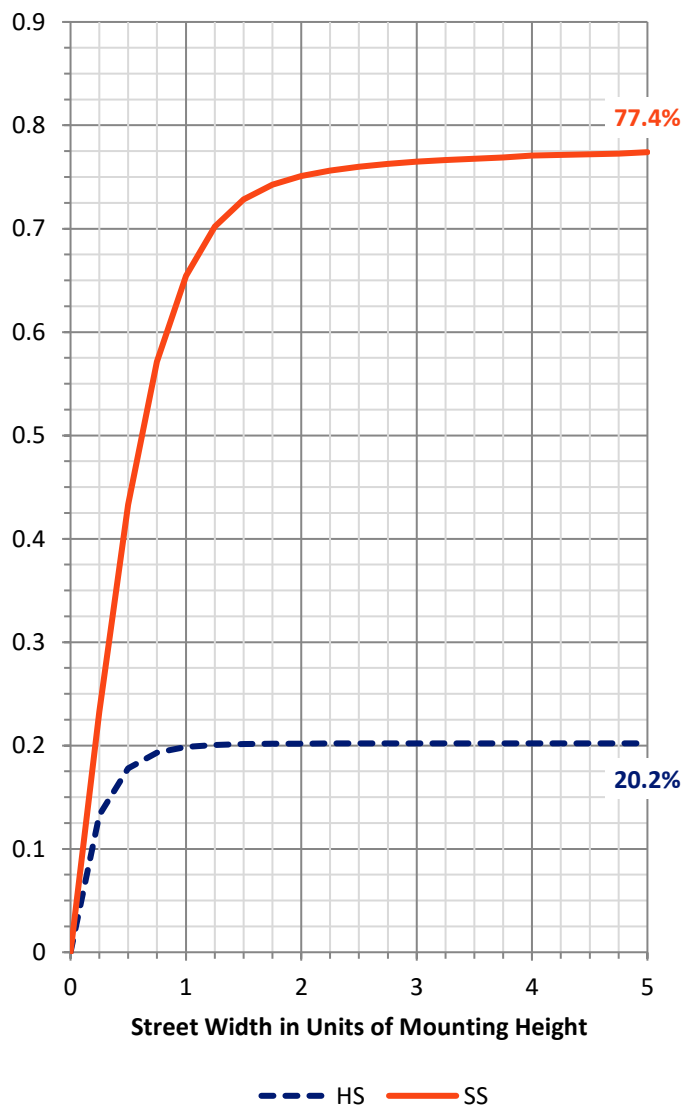
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	241.4	0.0	241.4
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	919.5	21.4	940.8
	% Fixture	77.8	1.8	79.6
Total	Lumens	1160.9	21.4	1182.3
	% Fixture	98.2	1.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	4.9
10°-20°	151.8	12.8
20°-30°	225.4	19.1
30°-40°	255.8	21.6
40°-50°	228.7	19.3
50°-60°	145.3	12.3
60°-70°	60.5	5.1
70°-80°	24.9	2.1
80°-90°	10.6	0.9
90°-100°	8.1	0.7
100°-110°	6.0	0.5
110°-120°	3.7	0.3
120°-130°	2.1	0.2
130°-140°	1.0	0.1
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1160.9	98.2
0°-180°	1182.3	100.0

Coefficient of Utilization



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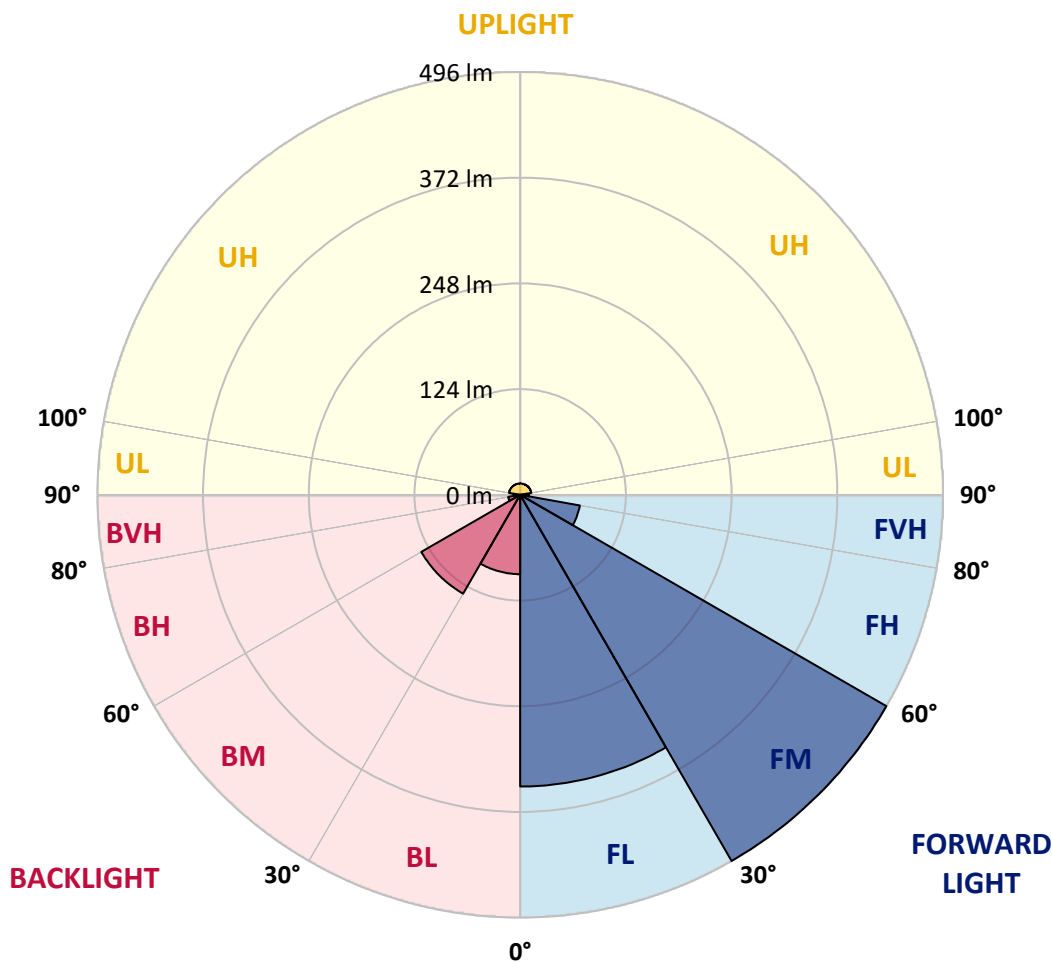
CATALOG NUMBER: 303-B1-LEDB2-4000-UNV-T5X-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.0	28.9			
FM (30°-60°)	495.9	41.9			
FH (60°-80°)	71.1	6.0			G0/660
FVH (80°-90°)	10.4	0.9			G1/100
BL (0°-30°)	93.1	7.9	B0/110		
BM (30°-60°)	133.9	11.3	B0/220		
BH (60°-80°)	14.3	1.2	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	8.1	0.7		U1/10	
UH (100°-180°)	13.3	1.1		U2/50	

BUG Rating: B0-U2-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	692.5	692.5	692.5	692.5	692.5	692.5	692.5	692.5	692.5	692.5	692.5
2.5°	1118.9	1105.3	1054.4	1072.0	1030.9	1023.1	995.7	929.2	731.6	702.3	680.8
5°	1101.3	1118.9	1124.8	1126.8	1160.0	1130.7	1079.8	948.8	868.6	694.5	688.6
7.5°	915.5	939.0	919.4	927.2	974.2	1027.0	1001.6	960.5	852.9	702.3	672.9
10°	985.9	993.8	970.3	931.2	903.8	862.7	903.8	933.1	837.3	676.8	669.0
12.5°	968.3	999.6	987.9	1015.3	978.1	856.8	809.9	860.7	823.6	680.8	665.1
15°	876.4	888.1	886.2	917.5	952.7	939.0	839.2	759.0	800.1	678.8	653.4
17.5°	847.0	860.7	852.9	858.8	860.7	909.6	874.4	745.3	788.4	676.8	651.4
20°	856.8	858.8	843.1	847.0	845.1	845.1	858.8	751.2	753.1	667.1	635.8
22.5°	843.1	843.1	845.1	860.7	809.9	807.9	815.7	796.2	706.2	655.3	639.7
25°	813.8	817.7	811.8	831.4	831.4	792.3	762.9	780.5	672.9	651.4	635.8
27.5°	778.6	792.3	778.6	790.3	790.3	786.4	737.5	755.1	661.2	633.8	612.3
30°	745.3	753.1	745.3	757.1	751.2	759.0	714.0	710.1	639.7	604.5	590.8
32.5°	710.1	714.0	708.1	716.0	714.0	704.2	686.6	671.0	629.9	596.6	575.1
35°	671.0	682.7	655.3	680.8	690.5	669.0	649.5	629.9	600.6	534.0	541.9
37.5°	633.8	631.9	624.0	635.8	643.6	627.9	604.5	588.8	561.4	514.5	508.6
40°	594.7	598.6	586.9	586.9	588.8	582.9	557.5	545.8	528.2	473.4	471.4
42.5°	559.5	551.6	539.9	539.9	539.9	528.2	514.5	502.7	483.2	440.1	434.3
45°	508.6	500.8	487.1	493.0	491.0	479.3	471.4	459.7	438.2	404.9	389.3
47.5°	453.8	457.8	442.1	449.9	436.2	432.3	418.6	401.0	387.3	358.0	346.2
50°	399.1	399.1	381.5	387.3	385.4	379.5	361.9	352.1	338.4	311.0	307.1
52.5°	340.4	342.3	330.6	336.5	324.7	322.8	309.1	301.3	279.7	254.3	258.2
55°	281.7	285.6	275.8	279.7	273.9	270.0	256.3	244.5	228.9	209.3	201.5
57.5°	223.0	223.0	225.0	226.9	223.0	223.0	205.4	197.6	176.1	162.4	154.5
60°	152.6	156.5	164.3	180.0	176.1	174.1	164.3	150.6	136.9	119.3	117.4
62.5°	125.2	125.2	123.2	127.2	138.9	136.9	125.2	117.4	103.7	88.0	86.1
65°	101.7	101.7	99.8	103.7	103.7	105.6	97.8	88.0	78.2	70.4	66.5
67.5°	86.1	86.1	84.1	82.2	82.2	84.1	76.3	70.4	64.6	56.7	52.8
70°	70.4	72.4	70.4	70.4	66.5	62.6	62.6	56.7	50.9	45.0	39.1
72.5°	60.6	60.6	58.7	58.7	52.8	50.9	48.9	45.0	39.1	33.3	29.3
75°	50.9	50.9	48.9	46.9	43.0	41.1	37.2	35.2	29.3	23.5	21.5
77.5°	43.0	43.0	41.1	41.1	37.2	33.3	27.4	25.4	21.5	15.6	13.7
80°	37.2	37.2	35.2	35.2	31.3	27.4	21.5	17.6	15.6	9.8	7.8
82.5°	33.3	33.3	31.3	29.3	25.4	23.5	17.6	13.7	9.8	3.9	2.0
85°	31.3	29.3	29.3	27.4	23.5	19.6	15.6	11.7	5.9	2.0	0.0
87.5°	27.4	27.4	27.4	25.4	21.5	19.6	13.7	9.8	3.9	0.0	0.0
90°	27.4	27.4	25.4	23.5	21.5	17.6	13.7	9.8	3.9	0.0	0.0
92.5°	25.4	25.4	25.4	23.5	21.5	17.6	13.7	9.8	3.9	0.0	0.0
95°	25.4	25.4	23.5	23.5	19.6	17.6	13.7	9.8	3.9	0.0	0.0
97.5°	23.5	23.5	21.5	21.5	19.6	15.6	11.7	7.8	3.9	0.0	0.0
100°	21.5	21.5	21.5	19.6	17.6	15.6	11.7	7.8	3.9	0.0	0.0
102.5°	19.6	19.6	19.6	17.6	15.6	13.7	9.8	7.8	3.9	0.0	0.0
105°	17.6	17.6	17.6	17.6	15.6	13.7	9.8	7.8	3.9	0.0	0.0
107.5°	17.6	17.6	15.6	15.6	13.7	11.7	9.8	5.9	3.9	0.0	0.0
110°	15.6	15.6	15.6	13.7	11.7	9.8	7.8	5.9	2.0	0.0	0.0



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CATALOG NUMBER: 303-B1-LEDB2-4000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.7	13.7	13.7	11.7	11.7	9.8	7.8	5.9	2.0	0.0	0.0
115°	11.7	11.7	11.7	11.7	9.8	7.8	5.9	3.9	2.0	0.0	0.0
117.5°	11.7	11.7	9.8	9.8	7.8	7.8	5.9	3.9	2.0	0.0	0.0
120°	9.8	9.8	9.8	7.8	7.8	5.9	5.9	3.9	2.0	0.0	0.0
122.5°	7.8	7.8	7.8	7.8	5.9	5.9	3.9	3.9	2.0	0.0	0.0
125°	7.8	7.8	7.8	5.9	5.9	5.9	3.9	2.0	2.0	0.0	0.0
127.5°	5.9	5.9	5.9	5.9	5.9	3.9	3.9	2.0	2.0	0.0	0.0
130°	5.9	5.9	5.9	3.9	3.9	3.9	3.9	2.0	2.0	0.0	0.0
132.5°	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	0.0	0.0
135°	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	0.0	0.0
137.5°	2.0	2.0	3.9	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
147.5°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	692.5	692.5	692.5	692.5	692.5	692.5	692.5	692.5	692.5	692.5
2.5°	674.9	686.6	686.6	643.6	334.5	287.6	289.5	287.6	279.7	281.7
5°	682.7	671.0	430.4	367.8	107.6	0.0	0.0	0.0	0.0	0.0
7.5°	674.9	579.0	389.3	293.4	109.5	0.0	0.0	0.0	0.0	0.0
10°	667.1	571.2	385.4	289.5	107.6	0.0	0.0	0.0	0.0	0.0
12.5°	663.2	575.1	385.4	287.6	107.6	0.0	0.0	0.0	0.0	0.0
15°	669.0	573.2	387.3	287.6	103.7	0.0	0.0	0.0	0.0	0.0
17.5°	655.3	571.2	389.3	283.6	103.7	0.0	0.0	0.0	0.0	0.0
20°	657.3	561.4	389.3	277.8	97.8	0.0	0.0	0.0	0.0	0.0
22.5°	639.7	555.6	385.4	271.9	97.8	0.0	0.0	0.0	0.0	0.0
25°	626.0	526.2	377.5	262.1	93.9	0.0	0.0	0.0	0.0	0.0
27.5°	610.3	512.5	367.8	250.4	91.9	0.0	0.0	0.0	0.0	0.0
30°	588.8	487.1	350.2	236.7	88.0	0.0	0.0	0.0	0.0	0.0
32.5°	565.3	489.1	334.5	234.7	82.2	0.0	0.0	0.0	0.0	0.0
35°	553.6	448.0	313.0	223.0	78.2	0.0	0.0	0.0	0.0	0.0
37.5°	508.6	430.4	293.4	205.4	60.6	0.0	0.0	0.0	0.0	0.0
40°	469.5	383.4	279.7	160.4	37.2	0.0	0.0	0.0	0.0	0.0
42.5°	432.3	361.9	256.3	170.2	62.6	0.0	0.0	0.0	0.0	0.0
45°	393.2	324.7	228.9	133.0	54.8	0.0	0.0	0.0	0.0	0.0
47.5°	359.9	295.4	201.5	138.9	48.9	0.0	0.0	0.0	0.0	0.0
50°	303.2	248.4	174.1	117.4	41.1	0.0	0.0	0.0	0.0	0.0
52.5°	260.2	209.3	146.7	99.8	35.2	0.0	0.0	0.0	0.0	0.0
55°	203.4	164.3	119.3	80.2	27.4	0.0	0.0	0.0	0.0	0.0
57.5°	154.5	129.1	91.9	60.6	21.5	0.0	0.0	0.0	0.0	0.0
60°	121.3	93.9	68.5	45.0	15.6	0.0	0.0	0.0	0.0	0.0
62.5°	88.0	68.5	50.9	31.3	11.7	0.0	0.0	0.0	0.0	0.0
65°	68.5	52.8	37.2	23.5	7.8	0.0	0.0	0.0	0.0	0.0
67.5°	52.8	41.1	27.4	13.7	5.9	0.0	0.0	0.0	0.0	0.0
70°	41.1	31.3	21.5	9.8	3.9	0.0	0.0	0.0	0.0	0.0
72.5°	31.3	23.5	15.6	7.8	2.0	0.0	0.0	0.0	0.0	0.0
75°	21.5	15.6	9.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	13.7	9.8	5.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	7.8	3.9	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	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
90°	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
95°	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
100°	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
105°	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
110°	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-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	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
115°	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
120°	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
125°	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
130°	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)