

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: P394752

Luminaire Tested: **303-B1-LEDB2-3000-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394752
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-LEDB2-3000-UNV-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 5 WITH EDGE GLOW
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1111.7 lumens
Efficiency: N/A
Efficacy: 71.7 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 - G0

Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (A_{in}): 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

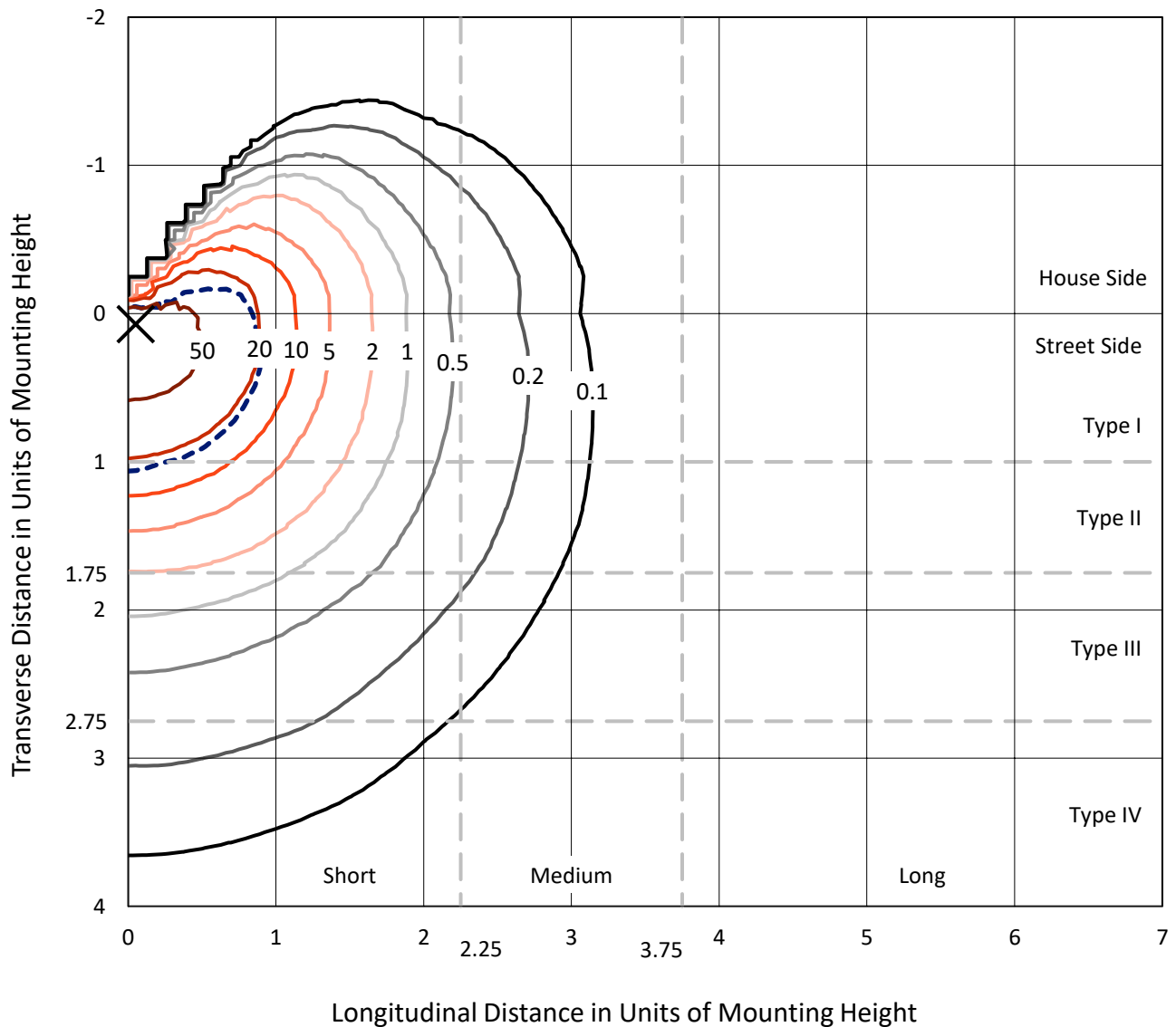


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Iso-Footcandle Lines of Horizontal Illumination

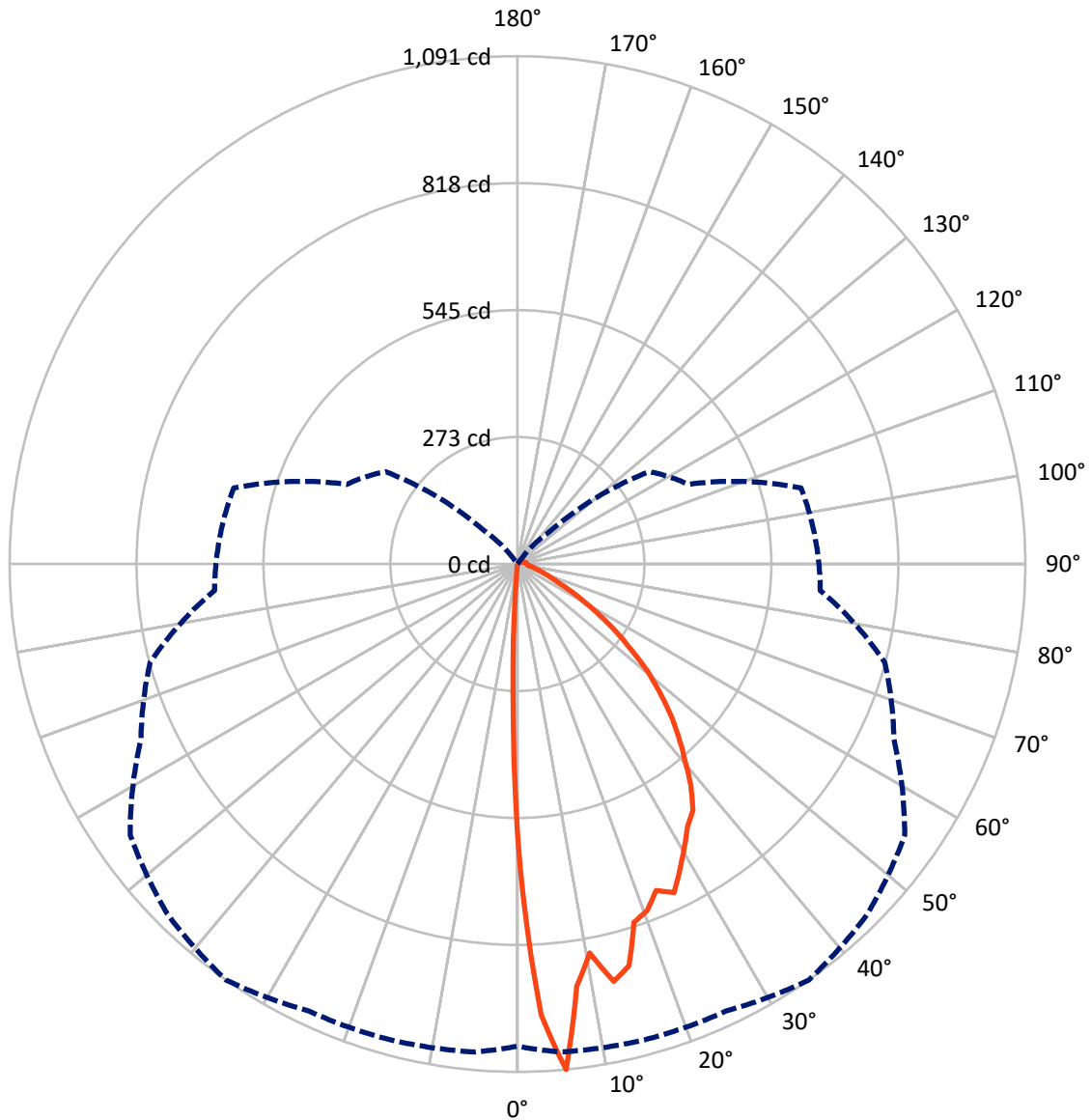
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 96.3 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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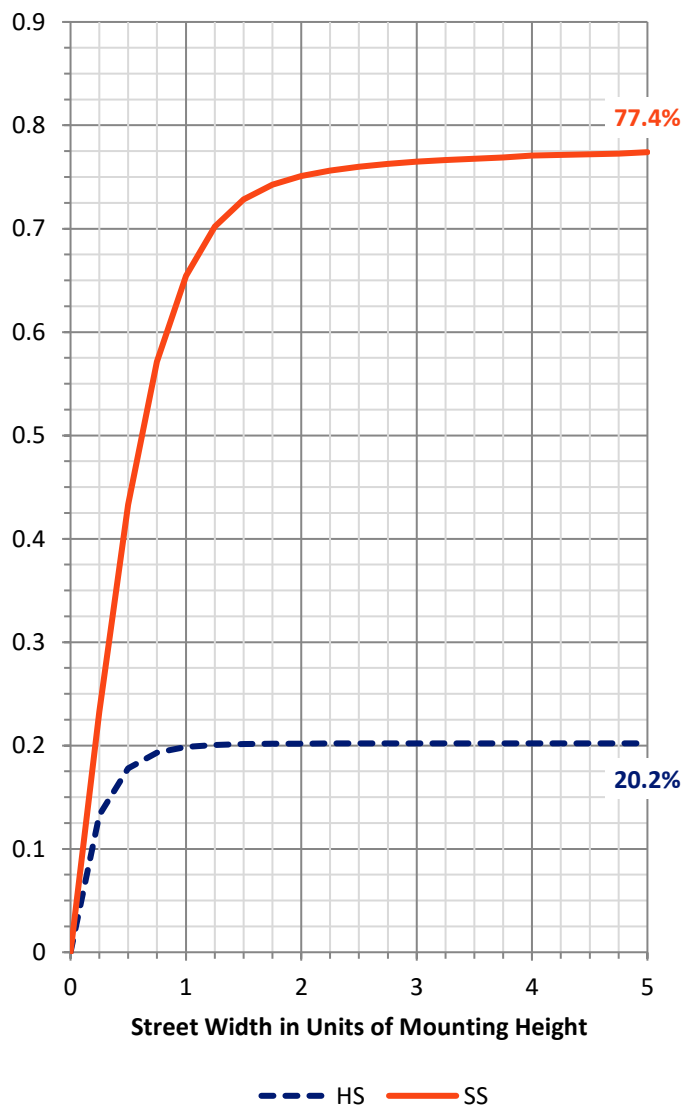
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	227.0	0.0	227.0
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	864.6	20.1	884.6
	% Fixture	77.8	1.8	79.6
Total	Lumens	1091.6	20.1	1111.7
	% Fixture	98.2	1.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.6	4.9
10°-20°	142.7	12.8
20°-30°	211.9	19.1
30°-40°	240.5	21.6
40°-50°	215.0	19.3
50°-60°	136.7	12.3
60°-70°	56.8	5.1
70°-80°	23.4	2.1
80°-90°	9.9	0.9
90°-100°	7.6	0.7
100°-110°	5.6	0.5
110°-120°	3.5	0.3
120°-130°	1.9	0.2
130°-140°	0.9	0.1
140°-150°	0.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1091.6	98.2
0°-180°	1111.7	100.0

Coefficient of Utilization



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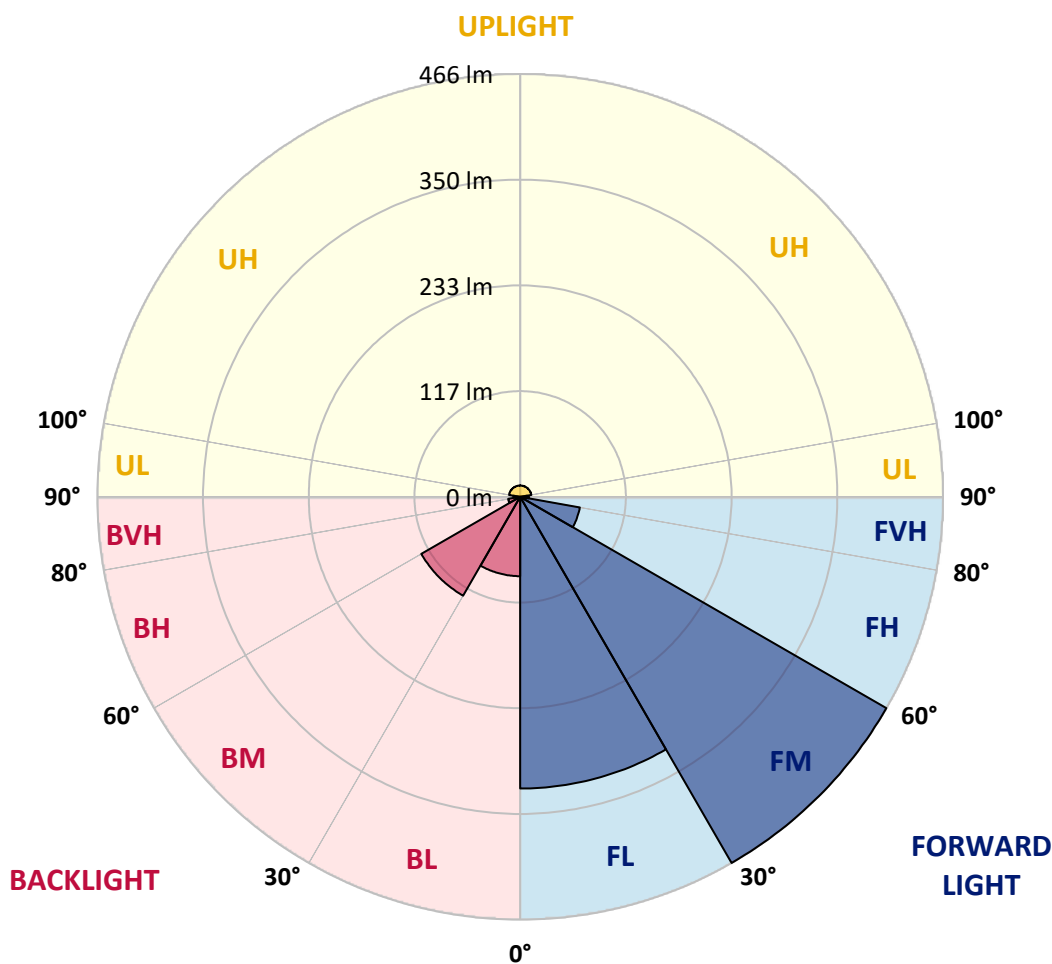
CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T5X-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	321.6	28.9			
FM	(30°-60°)	466.3	41.9			
FH	(60°-80°)	66.9	6.0			G0/660
FVH	(80°-90°)	9.8	0.9			G0/10
BL	(0°-30°)	87.5	7.9	B0/110		
BM	(30°-60°)	125.9	11.3	B0/220		
BH	(60°-80°)	13.4	1.2	B0/110		G0/110
BVH	(80°-90°)	0.2	0.0			G0/10
UL	(90°-100°)	7.6	0.7		U1/10	
UH	(100°-180°)	12.4	1.1		U2/50	

BUG Rating: B0-U2-G0

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2
2.5°	1052.1	1039.3	991.4	1008.0	969.4	962.0	936.3	873.7	687.9	660.4	640.1
5°	1035.6	1052.1	1057.7	1059.5	1090.8	1063.2	1015.4	892.1	816.7	653.0	647.5
7.5°	860.8	882.9	864.5	871.9	916.0	965.7	941.8	903.2	802.0	660.4	632.8
10°	927.1	934.4	912.4	875.6	849.8	811.2	849.8	877.4	787.3	636.4	629.1
12.5°	910.5	939.9	928.9	954.7	919.7	805.7	761.5	809.3	774.4	640.1	625.4
15°	824.1	835.1	833.3	862.7	895.8	882.9	789.1	713.7	752.3	638.3	614.4
17.5°	796.5	809.3	802.0	807.5	809.3	855.3	822.2	700.8	741.3	636.4	612.5
20°	805.7	807.5	792.8	796.5	794.6	794.6	807.5	706.3	708.2	627.2	597.8
22.5°	792.8	792.8	794.6	809.3	761.5	759.7	767.0	748.6	664.0	616.2	601.5
25°	765.2	768.9	763.4	781.8	781.8	745.0	717.4	733.9	632.8	612.5	597.8
27.5°	732.1	745.0	732.1	743.1	743.1	739.4	693.5	710.0	621.7	596.0	575.7
30°	700.8	708.2	700.8	711.9	706.3	713.7	671.4	667.7	601.5	568.4	555.5
32.5°	667.7	671.4	665.9	673.2	671.4	662.2	645.6	630.9	592.3	561.0	540.8
35°	630.9	642.0	616.2	640.1	649.3	629.1	610.7	592.3	564.7	502.2	509.5
37.5°	596.0	594.1	586.8	597.8	605.2	590.5	568.4	553.7	527.9	483.8	478.2
40°	559.2	562.9	551.8	551.8	553.7	548.1	524.2	513.2	496.6	445.1	443.3
42.5°	526.1	518.7	507.7	507.7	507.7	496.6	483.8	472.7	454.3	413.9	408.4
45°	478.2	470.9	458.0	463.5	461.7	450.7	443.3	432.3	412.0	380.8	366.0
47.5°	426.7	430.4	415.7	423.1	410.2	406.5	393.6	377.1	364.2	336.6	325.6
50°	375.2	375.2	358.7	364.2	362.4	356.8	340.3	331.1	318.2	292.5	288.8
52.5°	320.1	321.9	310.9	316.4	305.3	303.5	290.6	283.3	263.0	239.1	242.8
55°	264.9	268.6	259.4	263.0	257.5	253.8	241.0	229.9	215.2	196.8	189.5
57.5°	209.7	209.7	211.5	213.4	209.7	209.7	193.1	185.8	165.5	152.7	145.3
60°	143.5	147.2	154.5	169.2	165.5	163.7	154.5	141.6	128.8	112.2	110.4
62.5°	117.7	117.7	115.9	119.6	130.6	128.8	117.7	110.4	97.5	82.8	80.9
65°	95.6	95.6	93.8	97.5	97.5	99.3	92.0	82.8	73.6	66.2	62.5
67.5°	80.9	80.9	79.1	77.3	77.3	79.1	71.7	66.2	60.7	53.3	49.7
70°	66.2	68.1	66.2	66.2	62.5	58.9	58.9	53.3	47.8	42.3	36.8
72.5°	57.0	57.0	55.2	55.2	49.7	47.8	46.0	42.3	36.8	31.3	27.6
75°	47.8	47.8	46.0	44.1	40.5	38.6	34.9	33.1	27.6	22.1	20.2
77.5°	40.5	40.5	38.6	38.6	34.9	31.3	25.8	23.9	20.2	14.7	12.9
80°	34.9	34.9	33.1	33.1	29.4	25.8	20.2	16.6	14.7	9.2	7.4
82.5°	31.3	31.3	29.4	27.6	23.9	22.1	16.6	12.9	9.2	3.7	1.8
85°	29.4	27.6	27.6	25.8	22.1	18.4	14.7	11.0	5.5	1.8	0.0
87.5°	25.8	25.8	25.8	23.9	20.2	18.4	12.9	9.2	3.7	0.0	0.0
90°	25.8	25.8	23.9	22.1	20.2	16.6	12.9	9.2	3.7	0.0	0.0
92.5°	23.9	23.9	23.9	22.1	20.2	16.6	12.9	9.2	3.7	0.0	0.0
95°	23.9	23.9	22.1	22.1	18.4	16.6	12.9	9.2	3.7	0.0	0.0
97.5°	22.1	22.1	20.2	20.2	18.4	14.7	11.0	7.4	3.7	0.0	0.0
100°	20.2	20.2	20.2	18.4	16.6	14.7	11.0	7.4	3.7	0.0	0.0
102.5°	18.4	18.4	18.4	16.6	14.7	12.9	9.2	7.4	3.7	0.0	0.0
105°	16.6	16.6	16.6	16.6	14.7	12.9	9.2	7.4	3.7	0.0	0.0
107.5°	16.6	16.6	14.7	14.7	12.9	11.0	9.2	5.5	3.7	0.0	0.0
110°	14.7	14.7	14.7	12.9	11.0	9.2	7.4	5.5	1.8	0.0	0.0



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CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T5X-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.9	12.9	12.9	11.0	11.0	9.2	7.4	5.5	1.8	0.0	0.0
115°	11.0	11.0	11.0	11.0	9.2	7.4	5.5	3.7	1.8	0.0	0.0
117.5°	11.0	11.0	9.2	9.2	7.4	7.4	5.5	3.7	1.8	0.0	0.0
120°	9.2	9.2	9.2	7.4	7.4	5.5	5.5	3.7	1.8	0.0	0.0
122.5°	7.4	7.4	7.4	7.4	5.5	5.5	3.7	3.7	1.8	0.0	0.0
125°	7.4	7.4	7.4	5.5	5.5	5.5	3.7	1.8	1.8	0.0	0.0
127.5°	5.5	5.5	5.5	5.5	5.5	3.7	3.7	1.8	1.8	0.0	0.0
130°	5.5	5.5	5.5	3.7	3.7	3.7	3.7	1.8	1.8	0.0	0.0
132.5°	3.7	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8	0.0	0.0
135°	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8	1.8	0.0	0.0
137.5°	1.8	1.8	3.7	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
142.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
145°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
147.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
150°	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	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°	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2	651.2
2.5°	634.6	645.6	645.6	605.2	314.5	270.4	272.2	270.4	263.0	264.9
5°	642.0	630.9	404.7	345.8	101.2	0.0	0.0	0.0	0.0	0.0
7.5°	634.6	544.5	366.0	275.9	103.0	0.0	0.0	0.0	0.0	0.0
10°	627.2	537.1	362.4	272.2	101.2	0.0	0.0	0.0	0.0	0.0
12.5°	623.6	540.8	362.4	270.4	101.2	0.0	0.0	0.0	0.0	0.0
15°	629.1	538.9	364.2	270.4	97.5	0.0	0.0	0.0	0.0	0.0
17.5°	616.2	537.1	366.0	266.7	97.5	0.0	0.0	0.0	0.0	0.0
20°	618.0	527.9	366.0	261.2	92.0	0.0	0.0	0.0	0.0	0.0
22.5°	601.5	522.4	362.4	255.7	92.0	0.0	0.0	0.0	0.0	0.0
25°	588.6	494.8	355.0	246.5	88.3	0.0	0.0	0.0	0.0	0.0
27.5°	573.9	481.9	345.8	235.4	86.5	0.0	0.0	0.0	0.0	0.0
30°	553.7	458.0	329.3	222.6	82.8	0.0	0.0	0.0	0.0	0.0
32.5°	531.6	459.9	314.5	220.7	77.3	0.0	0.0	0.0	0.0	0.0
35°	520.6	421.2	294.3	209.7	73.6	0.0	0.0	0.0	0.0	0.0
37.5°	478.2	404.7	275.9	193.1	57.0	0.0	0.0	0.0	0.0	0.0
40°	441.5	360.5	263.0	150.8	34.9	0.0	0.0	0.0	0.0	0.0
42.5°	406.5	340.3	241.0	160.0	58.9	0.0	0.0	0.0	0.0	0.0
45°	369.7	305.3	215.2	125.1	51.5	0.0	0.0	0.0	0.0	0.0
47.5°	338.5	277.8	189.5	130.6	46.0	0.0	0.0	0.0	0.0	0.0
50°	285.1	233.6	163.7	110.4	38.6	0.0	0.0	0.0	0.0	0.0
52.5°	244.6	196.8	138.0	93.8	33.1	0.0	0.0	0.0	0.0	0.0
55°	191.3	154.5	112.2	75.4	25.8	0.0	0.0	0.0	0.0	0.0
57.5°	145.3	121.4	86.5	57.0	20.2	0.0	0.0	0.0	0.0	0.0
60°	114.0	88.3	64.4	42.3	14.7	0.0	0.0	0.0	0.0	0.0
62.5°	82.8	64.4	47.8	29.4	11.0	0.0	0.0	0.0	0.0	0.0
65°	64.4	49.7	34.9	22.1	7.4	0.0	0.0	0.0	0.0	0.0
67.5°	49.7	38.6	25.8	12.9	5.5	0.0	0.0	0.0	0.0	0.0
70°	38.6	29.4	20.2	9.2	3.7	0.0	0.0	0.0	0.0	0.0
72.5°	29.4	22.1	14.7	7.4	1.8	0.0	0.0	0.0	0.0	0.0
75°	20.2	14.7	9.2	3.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	12.9	9.2	5.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
80°	7.4	3.7	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	1.8	1.8	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-LEDB2-3000-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)