

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: P394764

Luminaire Tested: **303-B2-LEDB4-3000-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394764
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-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, DUAL HEAD, FOUR LIGHTBAR, TYPE 2 WITH EDGE GLOW
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2484.5 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 1.06' x H: 0.01')
IES Classification: Type I - Short
BUG Rating: B1 - U2 - G1

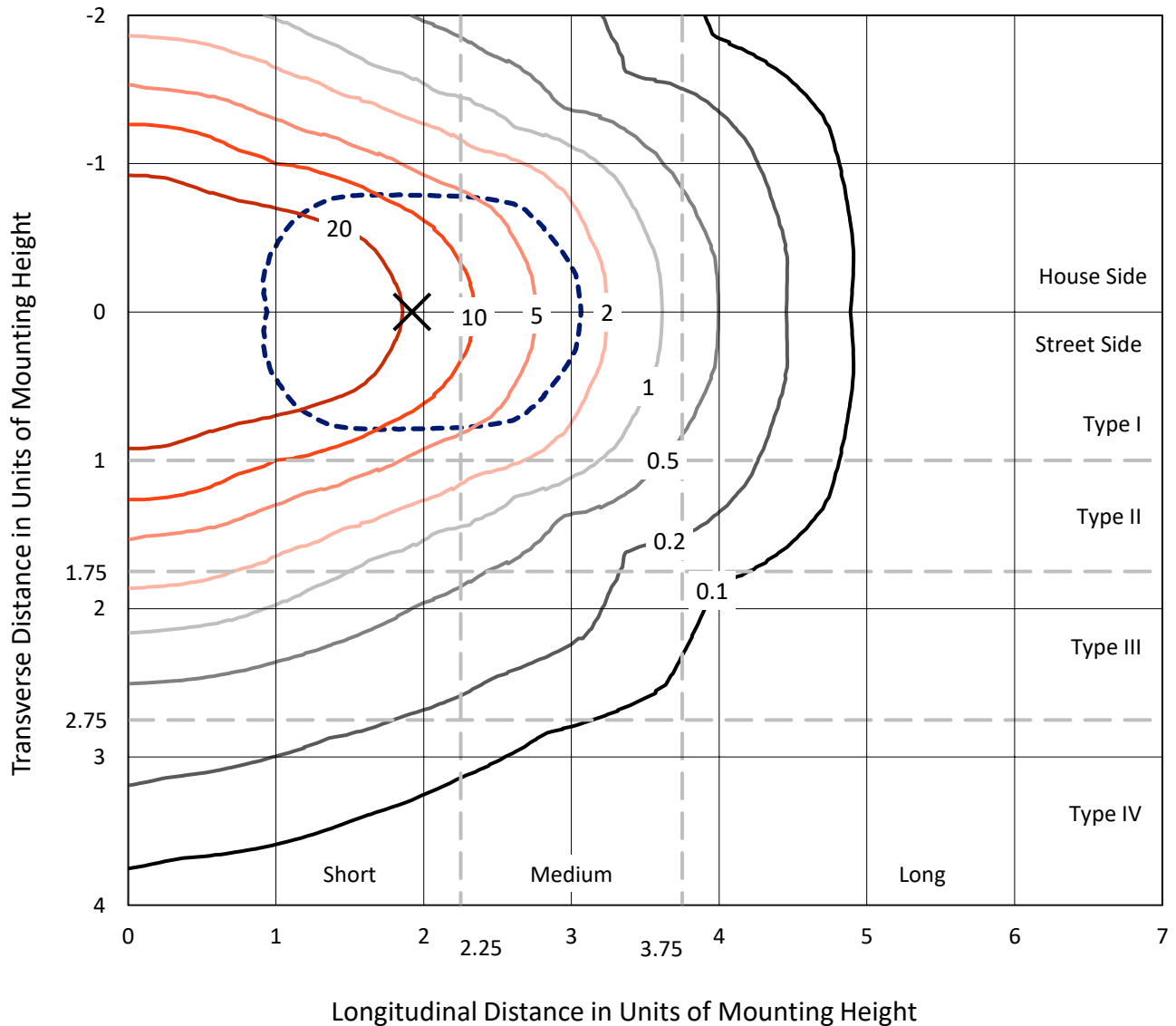
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

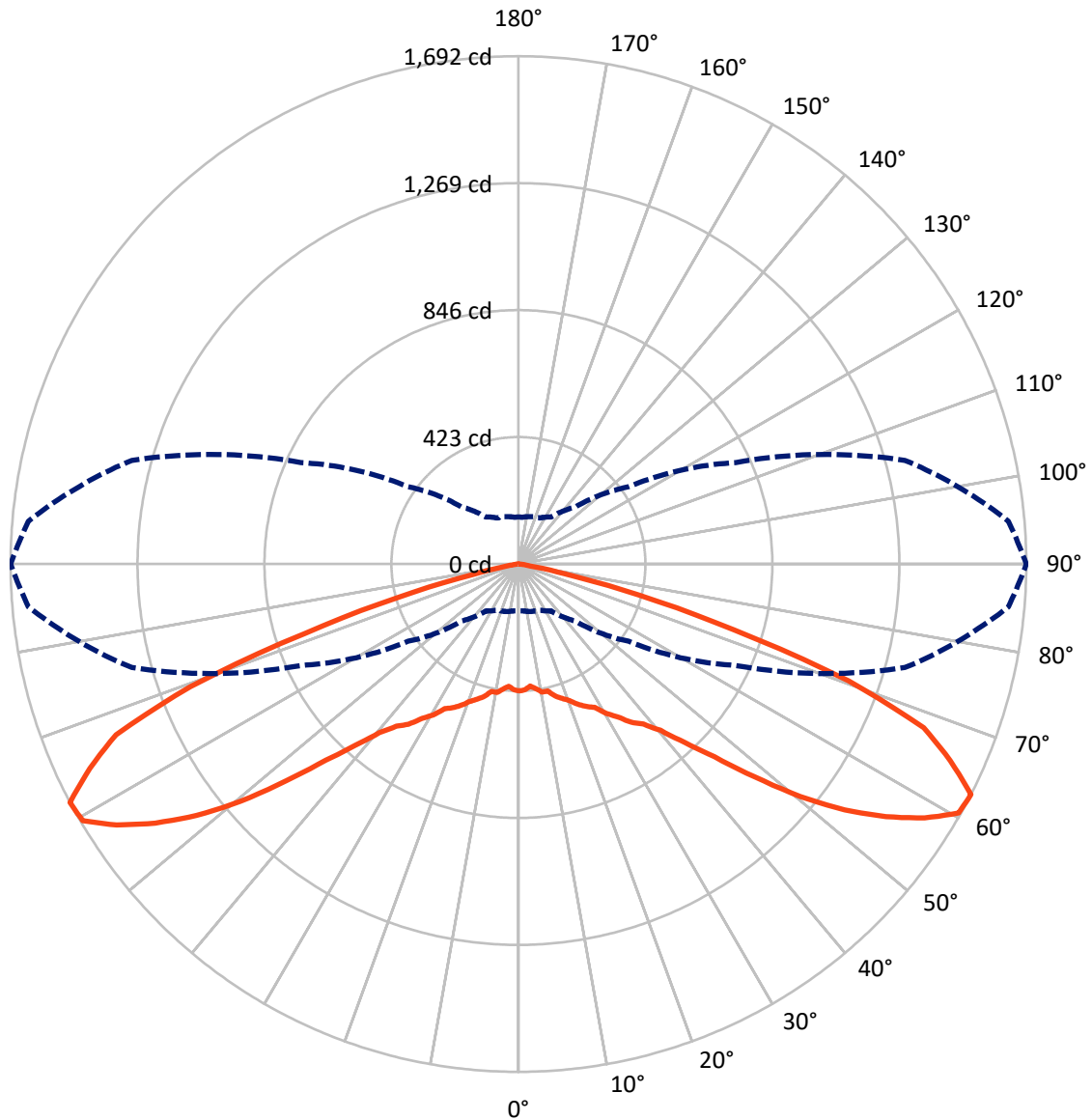
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 47 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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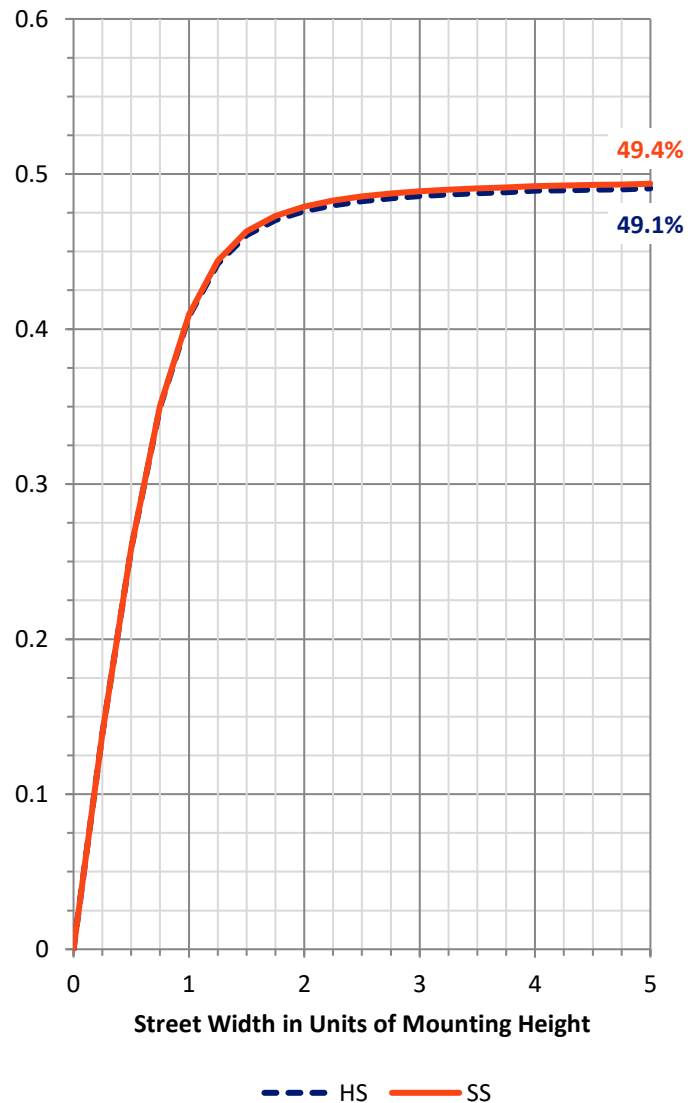
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1228.9	13.3	1242.2
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	1228.9	13.3	1242.2
	% Fixture	49.5	0.5	50.0
Total	Lumens	2457.8	26.6	2484.5
	% Fixture	98.9	1.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.1	1.4
10°-20°	103.6	4.2
20°-30°	201.1	8.1
30°-40°	340.5	13.7
40°-50°	491.8	19.8
50°-60°	616.4	24.8
60°-70°	487.0	19.6
70°-80°	159.2	6.4
80°-90°	23.1	0.9
90°-100°	10.8	0.4
100°-110°	7.4	0.3
110°-120°	4.4	0.2
120°-130°	2.5	0.1
130°-140°	1.2	0.0
140°-150°	0.4	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2457.8	98.9
0°-180°	2484.5	100.0



REPORT NUMBER: P394764

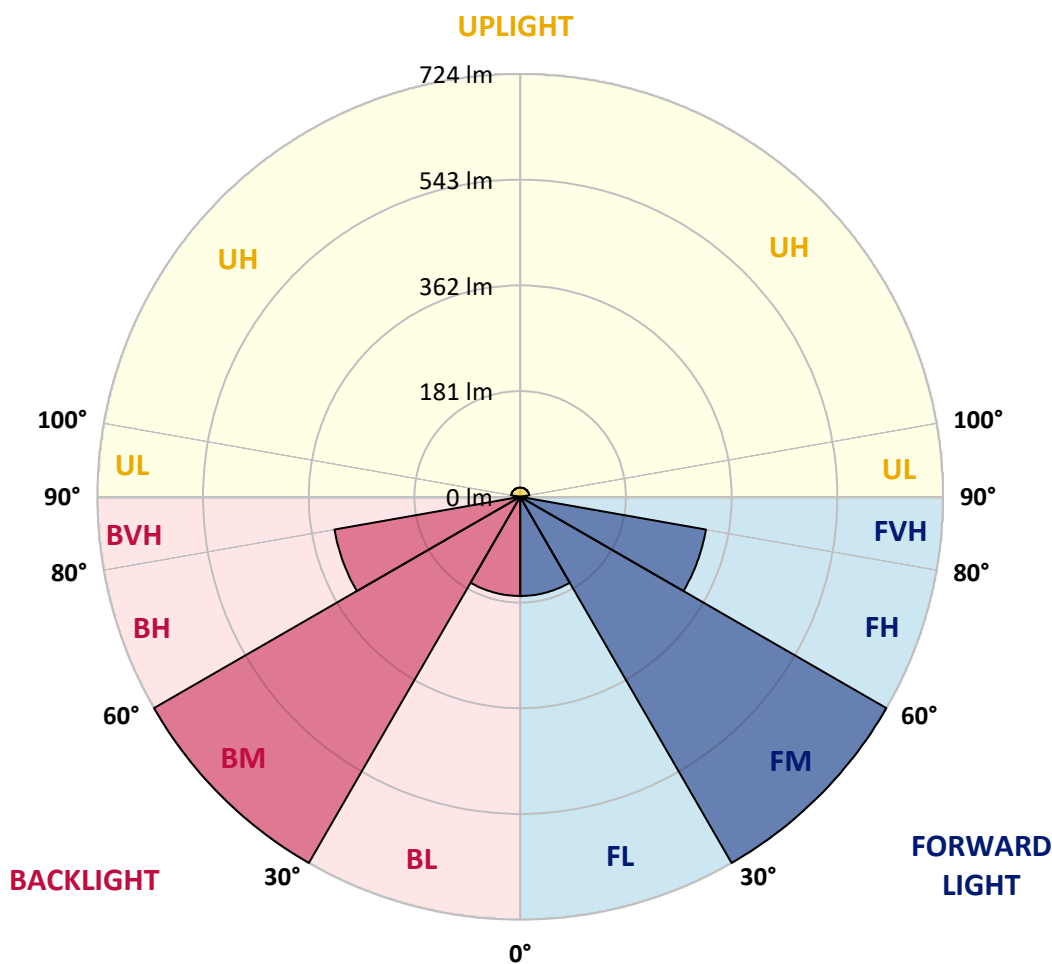
CATALOG NUMBER: 303-B2-LEDB4-3000-UNV-T2-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.9	6.8			
FM	(30°-60°)	724.3	29.2			
FH	(60°-80°)	323.1	13.0			G0/660
FVH	(80°-90°)	11.6	0.5			G1/100
BL	(0°-30°)	169.9	6.8	B1/500		
BM	(30°-60°)	724.3	29.2	B1/1000		
BH	(60°-80°)	323.1	13.0	B1/500		G1/500
BVH	(80°-90°)	11.6	0.5			G1/100
UL	(90°-100°)	10.8	0.4		U2/50	
UH	(100°-180°)	15.9	0.6		U2/50	

BUG Rating: B1-U2-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1
2.5°	401.0	397.3	399.2	401.0	400.1	399.2	398.2	397.3	396.4	395.5	401.0
5°	316.4	321.9	324.7	327.4	330.2	332.9	336.6	340.3	349.5	358.7	373.4
7.5°	309.0	318.2	314.5	310.9	309.9	309.0	306.3	303.5	313.6	323.7	349.5
10°	314.5	318.2	319.1	320.1	318.2	316.4	317.3	318.2	323.7	329.3	341.2
12.5°	301.7	303.5	306.3	309.0	309.0	309.0	310.9	312.7	326.5	340.3	355.9
15°	305.3	309.0	306.3	303.5	306.3	309.0	308.1	307.2	321.0	334.8	359.6
17.5°	312.7	320.1	321.9	323.7	321.0	318.2	313.6	309.0	321.0	332.9	360.5
20°	342.1	342.1	343.1	344.0	342.1	340.3	338.5	336.6	342.1	347.6	368.8
22.5°	360.5	360.5	362.4	364.2	362.4	360.5	358.7	356.8	367.9	378.9	392.7
25°	382.6	382.6	384.4	386.3	387.2	388.1	382.6	377.1	389.0	401.0	416.6
27.5°	406.5	408.4	409.3	410.2	411.1	412.0	411.1	410.2	424.0	437.8	456.2
30°	428.6	426.7	433.2	439.6	438.7	437.8	437.8	437.8	450.7	463.5	488.4
32.5°	437.8	443.3	447.9	452.5	457.1	461.7	463.5	465.4	480.1	494.8	524.2
35°	452.5	447.0	458.0	469.1	472.7	476.4	474.6	472.7	495.7	518.7	554.6
37.5°	454.3	459.9	464.5	469.1	476.4	483.8	480.1	476.4	509.5	542.6	583.1
40°	456.2	458.0	464.5	470.9	475.5	480.1	489.3	498.5	517.8	537.1	587.7
42.5°	452.5	452.5	458.9	465.4	470.0	474.6	483.8	493.0	527.9	562.9	618.0
45°	443.3	448.8	449.7	450.7	456.2	461.7	472.7	483.8	525.2	566.5	619.0
47.5°	424.9	421.2	427.7	434.1	444.2	454.3	462.6	470.9	512.3	553.7	625.4
50°	399.2	402.8	406.5	410.2	419.4	428.6	434.1	439.6	485.6	531.6	617.1
52.5°	366.0	369.7	374.3	378.9	390.0	401.0	406.5	412.0	459.9	507.7	608.8
55°	327.4	305.3	316.4	327.4	340.3	353.2	365.1	377.1	419.4	461.7	575.7
57.5°	250.2	246.5	251.1	255.7	273.2	290.6	308.1	325.6	366.0	406.5	524.2
60°	204.2	193.1	196.8	200.5	211.5	222.6	239.1	255.7	299.8	344.0	447.0
62.5°	156.4	156.4	160.0	163.7	166.5	169.2	180.3	191.3	229.9	268.6	358.7
65°	123.2	121.4	124.2	126.9	130.6	134.3	139.8	145.3	164.6	183.9	255.7
67.5°	93.8	93.8	95.6	97.5	101.2	104.8	109.4	114.0	125.1	136.1	177.5
70°	75.4	73.6	74.5	75.4	80.0	84.6	92.9	101.2	109.4	117.7	136.1
72.5°	68.1	64.4	64.4	64.4	65.3	66.2	72.7	79.1	92.0	104.8	120.5
75°	53.3	49.7	50.6	51.5	52.4	53.3	57.0	60.7	67.1	73.6	92.9
77.5°	34.9	34.9	34.9	34.9	34.9	34.9	36.8	38.6	43.2	47.8	64.4
80°	27.6	27.6	27.6	27.6	27.6	27.6	26.7	25.8	28.5	31.3	37.7
82.5°	23.9	23.9	23.9	23.9	23.0	22.1	22.1	22.1	21.2	20.2	23.0
85°	20.2	20.2	20.2	20.2	20.2	20.2	19.3	18.4	17.5	16.6	15.6
87.5°	18.4	18.4	18.4	18.4	17.5	16.6	16.6	16.6	14.7	12.9	12.0
90°	18.4	16.6	16.6	16.6	16.6	16.6	15.6	14.7	13.8	12.9	11.0
92.5°	16.6	16.6	16.6	16.6	15.6	14.7	14.7	14.7	12.9	11.0	10.1
95°	16.6	16.6	15.6	14.7	14.7	14.7	13.8	12.9	12.0	11.0	10.1
97.5°	14.7	14.7	14.7	14.7	14.7	14.7	13.8	12.9	12.0	11.0	10.1
100°	12.9	12.9	12.9	12.9	12.9	12.9	12.0	11.0	10.1	9.2	8.3
102.5°	12.9	12.9	12.9	12.9	12.0	11.0	11.0	11.0	10.1	9.2	8.3
105°	11.0	11.0	11.0	11.0	11.0	11.0	10.1	9.2	8.3	7.4	6.4
107.5°	9.2	9.2	9.2	9.2	9.2	9.2	9.2	9.2	8.3	7.4	6.4
110°	9.2	9.2	9.2	9.2	9.2	9.2	8.3	7.4	6.4	5.5	5.5



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CATALOG NUMBER: 303-B2-LEDB4-3000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
112.5°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	6.4	5.5	4.6
115°	7.4	7.4	7.4	7.4	6.4	5.5	5.5	5.5	5.5	5.5	4.6
117.5°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.6	3.7	3.7
120°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.6	3.7	3.7
122.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
125°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.8
127.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	2.8	1.8	1.8
130°	1.8	1.8	2.8	3.7	3.7	3.7	3.7	3.7	2.8	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	1.8
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
142.5°	0.0	0.0	0.9	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
145°	0.0	0.0	0.0	0.0	0.9	1.8	1.8	1.8	1.8	1.8	0.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	1.8	1.8	1.8	0.9
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°	423.1	423.1	423.1	423.1	423.1	423.1	423.1	423.1
2.5°	406.5	426.7	447.0	439.6	432.3	426.7	421.2	419.4
5°	388.1	395.5	402.8	418.5	434.1	428.6	423.1	408.4
7.5°	375.2	387.2	399.2	412.0	424.9	426.7	428.6	419.4
10°	353.2	377.1	401.0	414.8	428.6	432.3	435.9	434.1
12.5°	371.6	378.9	386.3	412.0	437.8	441.5	445.1	434.1
15°	384.4	385.4	386.3	413.9	441.5	451.6	461.7	456.2
17.5°	388.1	400.1	412.0	428.6	445.1	458.0	470.9	470.9
20°	390.0	410.2	430.4	439.6	448.8	469.1	489.3	485.6
22.5°	406.5	424.0	441.5	450.7	459.9	483.8	507.7	507.7
25°	432.3	447.0	461.7	475.5	489.3	510.4	531.6	526.1
27.5°	474.6	484.7	494.8	507.7	520.6	538.0	555.5	540.8
30°	513.2	520.6	527.9	541.7	555.5	566.5	577.6	577.6
32.5°	553.7	564.7	575.7	585.9	596.0	608.8	621.7	607.0
35°	590.5	601.5	612.5	628.2	643.8	649.3	654.8	647.5
37.5°	623.6	638.3	653.0	670.5	687.9	687.0	686.1	676.9
40°	638.3	664.9	691.6	718.3	745.0	745.0	745.0	728.4
42.5°	673.2	709.1	745.0	777.2	809.3	818.5	827.7	813.0
45°	671.4	728.4	785.4	836.9	888.4	922.5	956.5	916.0
47.5°	697.1	761.5	825.9	906.8	987.8	1042.9	1098.1	1059.5
50°	702.7	786.4	870.0	986.8	1103.6	1157.0	1210.3	1217.7
52.5°	710.0	827.7	945.5	1088.0	1230.6	1294.0	1357.5	1361.2
55°	689.8	831.4	973.1	1158.8	1344.6	1412.7	1480.7	1486.2
57.5°	642.0	815.8	989.6	1203.0	1416.4	1514.8	1613.2	1596.6
60°	550.0	738.5	927.1	1167.1	1407.2	1526.7	1646.3	1684.9
62.5°	448.8	624.5	800.1	1066.9	1333.6	1486.2	1638.9	1692.3
65°	327.4	487.4	647.5	934.4	1221.4	1392.4	1563.5	1581.9
67.5°	218.9	344.0	469.1	774.4	1079.7	1249.0	1418.2	1456.8
70°	154.5	233.6	312.7	585.9	859.0	987.8	1116.5	1166.2
72.5°	136.1	160.9	185.8	362.4	538.9	637.4	735.8	750.5
75°	112.2	107.6	103.0	189.5	275.9	339.4	402.8	412.0
77.5°	80.9	79.1	77.3	105.8	134.3	149.0	163.7	154.5
80°	44.1	60.7	77.3	78.2	79.1	61.6	44.1	40.5
82.5°	25.8	39.5	53.3	50.6	47.8	34.9	22.1	18.4
85°	14.7	17.5	20.2	17.5	14.7	12.0	9.2	7.4
87.5°	11.0	9.2	7.4	6.4	5.5	3.7	1.8	0.0
90°	9.2	8.3	7.4	5.5	3.7	2.8	1.8	0.0
92.5°	9.2	8.3	7.4	5.5	3.7	1.8	0.0	0.0
95°	9.2	7.4	5.5	4.6	3.7	1.8	0.0	0.0
97.5°	9.2	7.4	5.5	4.6	3.7	1.8	0.0	0.0
100°	7.4	6.4	5.5	4.6	3.7	1.8	0.0	0.0
102.5°	7.4	6.4	5.5	3.7	1.8	0.9	0.0	0.0
105°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.0
107.5°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.0
110°	5.5	4.6	3.7	2.8	1.8	0.9	0.0	0.0



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CATALOG NUMBER: 303-B2-LEDB4-3000-UNV-T2-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
112.5°	3.7	3.7	3.7	2.8	1.8	0.9	0.0	0.0
115°	3.7	3.7	3.7	2.8	1.8	0.9	0.0	0.0
117.5°	3.7	2.8	1.8	1.8	1.8	0.9	0.0	0.0
120°	3.7	2.8	1.8	1.8	1.8	0.9	0.0	0.0
122.5°	3.7	2.8	1.8	1.8	1.8	0.9	0.0	0.0
125°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
130°	1.8	1.8	1.8	1.8	1.8	0.9	0.0	0.0
132.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
135°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	0.9	0.0	0.0	0.0	0.0
140°	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.8	0.9	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)