

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: P394734

Luminaire Tested: **303-B1-LEDB2-3000-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-5)
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-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO 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: 1187.3 lumens
Efficiency: N/A
Efficacy: 76.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
IES Classification: Type III - Short
BUG Rating: B0 - U1 - G0

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

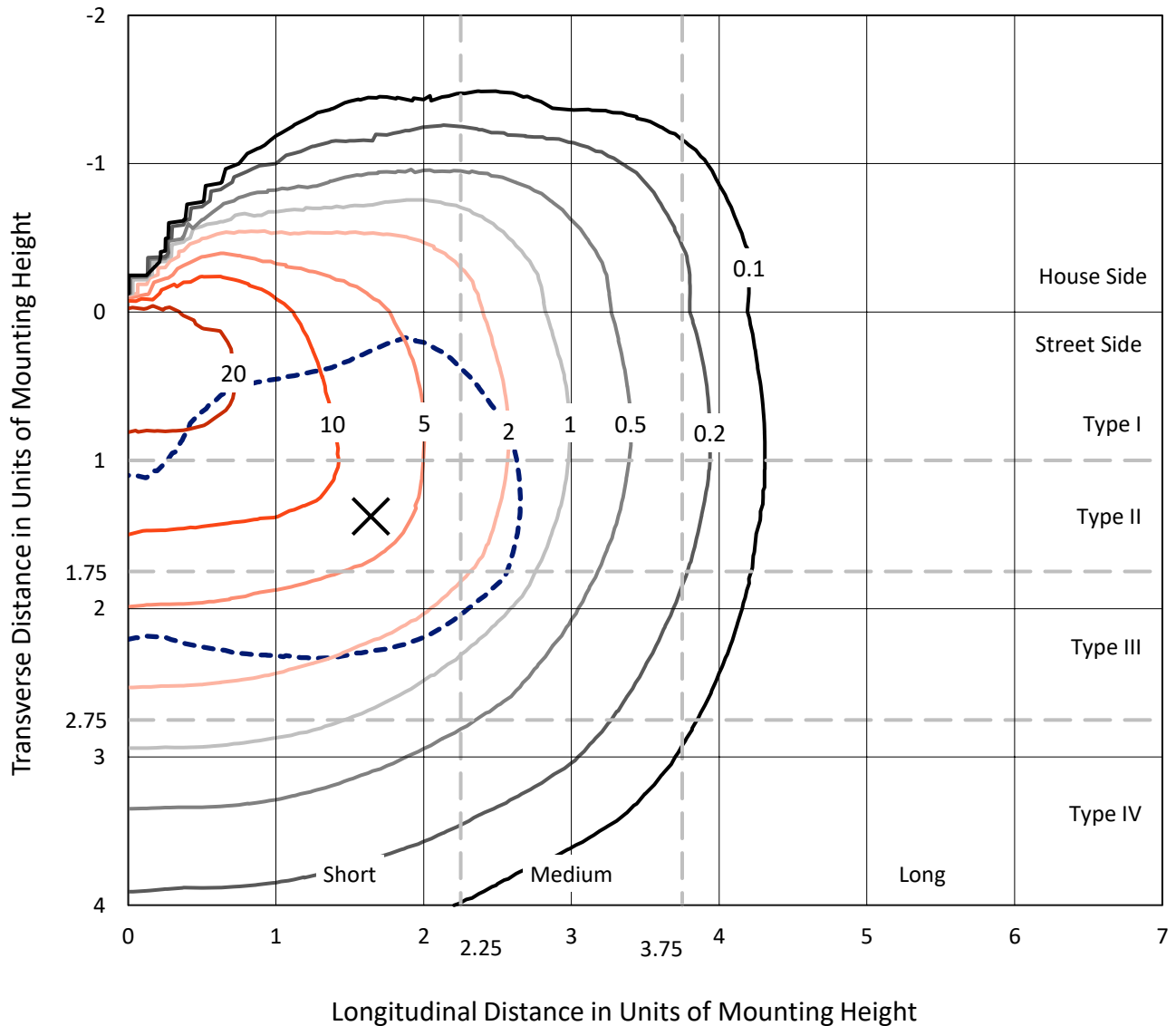


REPORT NUMBER: P394734

CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T4-DIM10-EDGE

Iso-Footcandle Lines of Horizontal Illumination

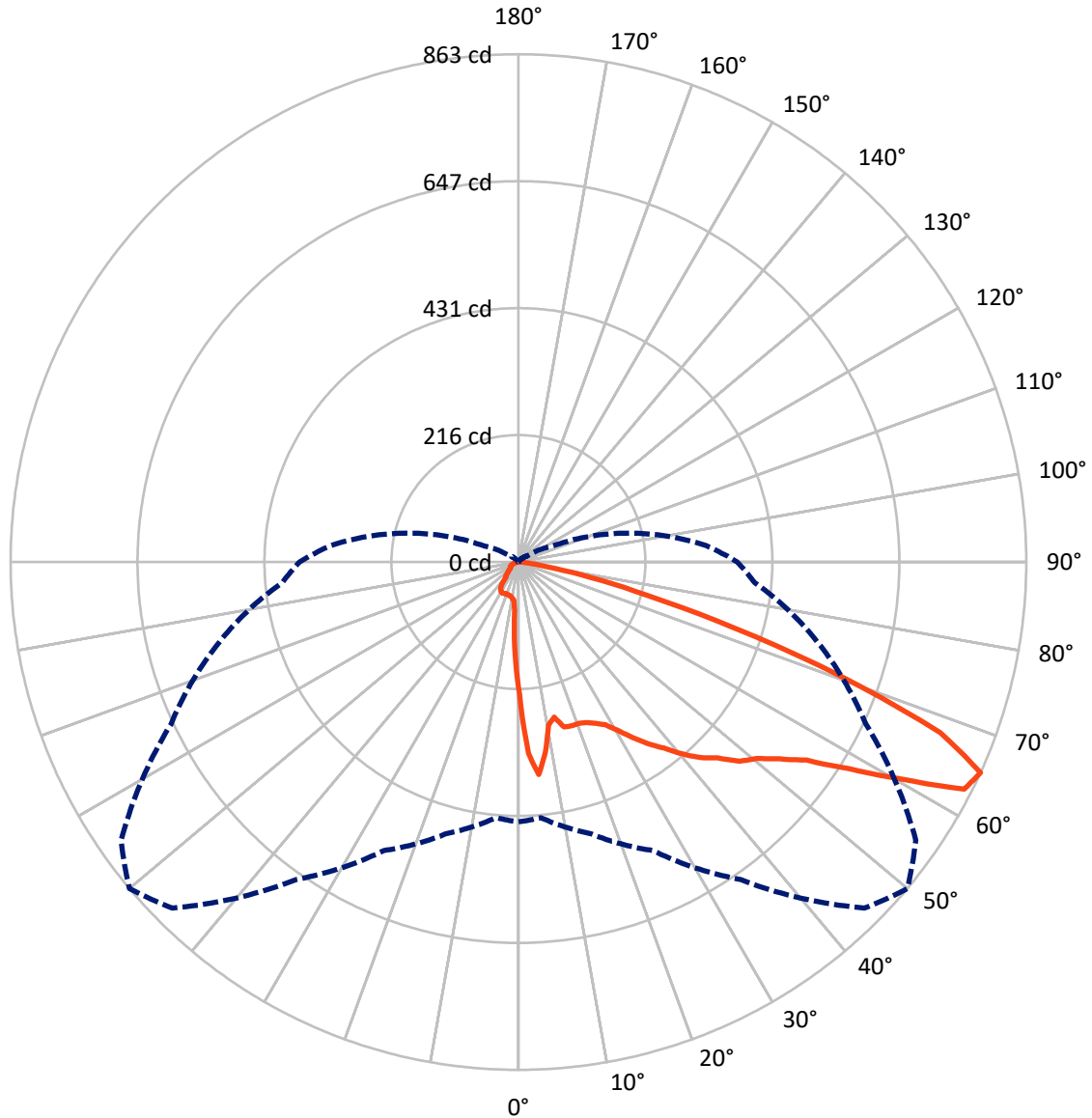
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 32.4 fc
 Type III - Short - N/A

REPORT NUMBER: P394734
CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T4-DIM10-EDGE

Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P394734

CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T4-DIM10-EDGE

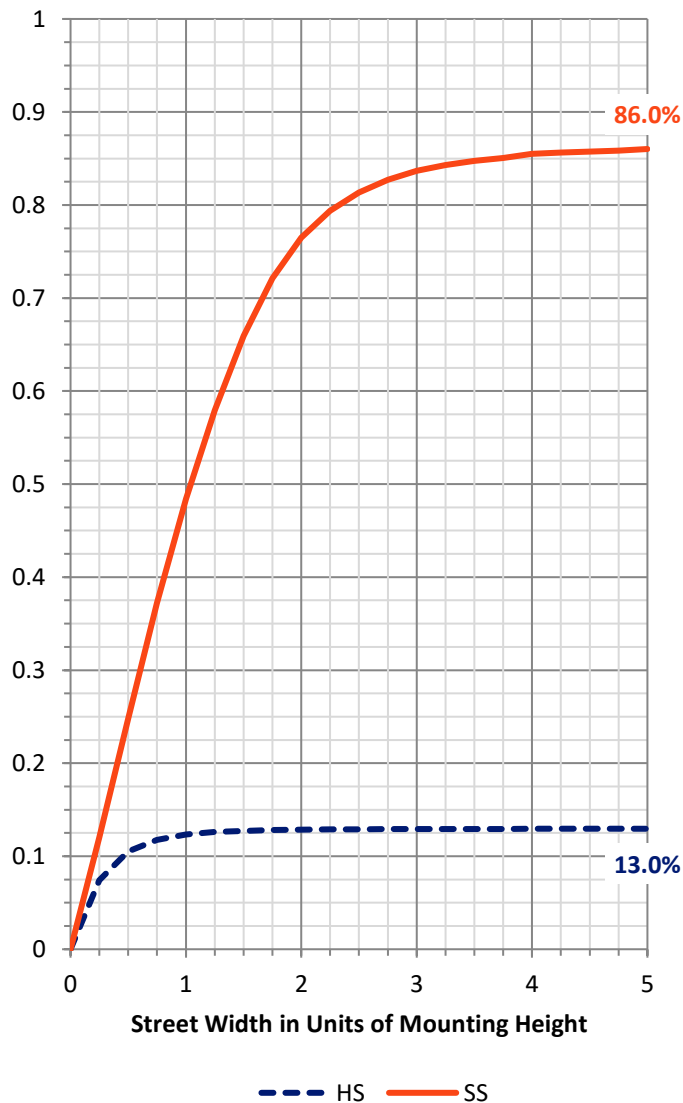
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	155.2	0.0	155.2
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	1024.5	7.6	1032.1
	% Fixture	86.3	0.6	86.9
Total	Lumens	1179.7	7.6	1187.3
	% Fixture	99.4	0.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	1.6
10°-20°	49.1	4.1
20°-30°	84.5	7.1
30°-40°	135.6	11.4
40°-50°	188.4	15.9
50°-60°	261.6	22.0
60°-70°	313.0	26.4
70°-80°	119.7	10.1
80°-90°	9.1	0.8
90°-100°	3.1	0.3
100°-110°	2.2	0.2
110°-120°	1.3	0.1
120°-130°	0.7	0.1
130°-140°	0.3	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°	1179.7	99.4
0°-180°	1187.3	100.0

Coefficient of Utilization



REPORT NUMBER: P394734

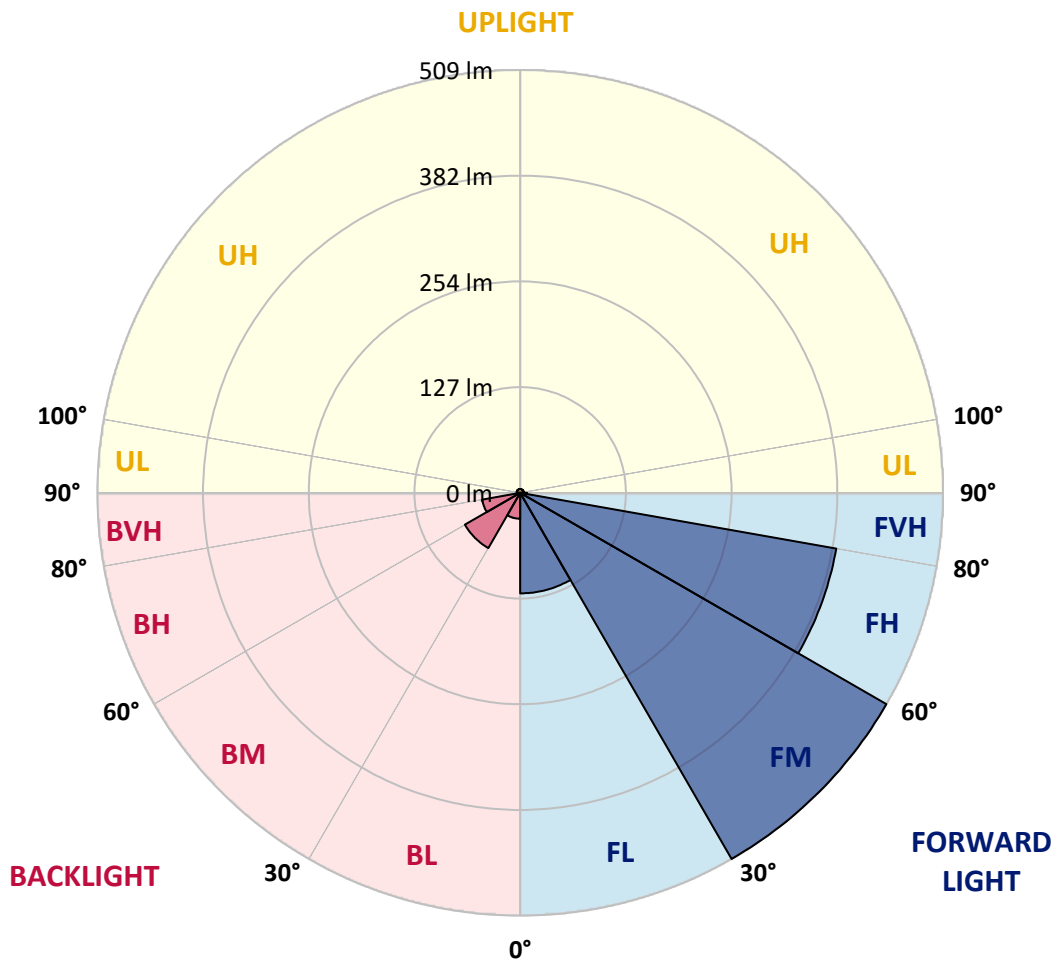
CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T4-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	121.0	10.2			
FM	(30°-60°)	508.9	42.9			
FH	(60°-80°)	386.3	32.5			G0/660
FVH	(80°-90°)	8.3	0.7			G0/10
BL	(0°-30°)	31.2	2.6	B0/110		
BM	(30°-60°)	76.8	6.5	B0/220		
BH	(60°-80°)	46.4	3.9	B0/110		G0/110
BVH	(80°-90°)	0.8	0.1			G0/10
UL	(90°-100°)	3.1	0.3		U1/10	
UH	(100°-180°)	4.5	0.4		U1/10	

BUG Rating: B0-U1-G0

Type III Short





REPORT NUMBER: P394734

CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4
2.5°	367.9	360.5	356.8	344.0	329.3	321.9	325.6	318.2	316.4	239.1	226.2
5°	342.1	349.5	349.5	356.8	362.4	362.4	362.4	347.6	301.7	281.4	229.9
7.5°	290.6	285.1	292.5	296.1	309.0	316.4	327.4	325.6	301.7	270.4	231.8
10°	312.7	312.7	307.2	301.7	285.1	268.6	281.4	288.8	286.9	263.0	224.4
12.5°	307.2	305.3	307.2	307.2	307.2	285.1	270.4	268.6	270.4	257.5	220.7
15°	286.9	288.8	288.8	285.1	301.7	294.3	290.6	268.6	242.8	252.0	220.7
17.5°	285.1	277.8	286.9	288.8	286.9	294.3	292.5	286.9	241.0	248.3	220.7
20°	298.0	298.0	294.3	286.9	288.8	288.8	292.5	290.6	253.8	244.6	215.2
22.5°	307.2	299.8	301.7	305.3	298.0	296.1	296.1	292.5	272.2	241.0	220.7
25°	310.9	309.0	314.5	310.9	314.5	305.3	303.5	296.1	283.3	246.5	226.2
27.5°	320.1	320.1	321.9	325.6	329.3	314.5	312.7	309.0	296.1	264.9	231.8
30°	329.3	332.9	334.8	334.8	344.0	336.6	331.1	321.9	316.4	285.1	252.0
32.5°	345.8	347.6	351.3	358.7	360.5	353.2	355.0	349.5	327.4	314.5	272.2
35°	364.2	360.5	371.6	380.8	386.3	375.2	378.9	366.0	356.8	331.1	286.9
37.5°	373.4	371.6	384.4	401.0	410.2	401.0	401.0	399.2	364.2	340.3	296.1
40°	391.8	380.8	397.3	417.5	435.9	430.4	428.6	419.4	378.9	349.5	299.8
42.5°	402.8	390.0	412.0	430.4	454.3	459.9	454.3	441.5	402.8	356.8	307.2
45°	406.5	406.5	424.9	445.1	469.1	478.2	474.6	465.4	412.0	366.0	318.2
47.5°	432.3	421.2	439.6	454.3	487.4	504.0	505.8	494.8	430.4	378.9	321.9
50°	441.5	441.5	452.5	472.7	511.4	535.3	524.2	518.7	450.7	390.0	327.4
52.5°	467.2	467.2	474.6	505.8	535.3	570.2	555.5	546.3	485.6	406.5	349.5
55°	502.2	498.5	515.0	527.9	573.9	599.6	594.1	594.1	500.3	428.6	364.2
57.5°	551.8	531.6	546.3	584.9	621.7	665.9	662.2	634.6	553.7	456.2	378.9
60°	546.3	542.6	566.5	621.7	706.3	757.8	748.6	726.6	616.2	502.2	404.7
62.5°	522.4	504.0	551.8	607.0	721.1	833.3	849.8	825.9	673.2	537.1	430.4
65°	441.5	435.9	478.2	540.8	658.5	831.4	862.7	824.1	651.2	526.1	402.8
67.5°	391.8	388.1	417.5	463.5	561.0	728.4	772.6	745.0	603.3	465.4	355.0
70°	312.7	316.4	347.6	388.1	443.3	551.8	581.3	610.7	493.0	393.6	292.5
72.5°	220.7	222.6	250.2	292.5	327.4	362.4	382.6	404.7	355.0	294.3	220.7
75°	138.0	134.3	152.7	161.9	191.3	231.8	224.4	218.9	207.9	182.1	139.8
77.5°	60.7	62.5	71.7	92.0	99.3	123.2	125.1	117.7	99.3	79.1	53.3
80°	38.6	36.8	40.5	46.0	51.5	53.3	47.8	44.1	42.3	33.1	18.4
82.5°	22.1	20.2	22.1	23.9	25.8	27.6	23.9	22.1	16.6	16.6	7.4
85°	14.7	12.9	12.9	12.9	12.9	11.0	11.0	9.2	9.2	5.5	3.7
87.5°	11.0	11.0	11.0	11.0	9.2	7.4	7.4	5.5	3.7	1.8	0.0
90°	11.0	11.0	11.0	9.2	9.2	7.4	5.5	5.5	3.7	1.8	0.0
92.5°	9.2	9.2	9.2	9.2	7.4	7.4	5.5	5.5	3.7	1.8	0.0
95°	9.2	9.2	9.2	9.2	7.4	5.5	5.5	5.5	3.7	1.8	0.0
97.5°	9.2	9.2	9.2	7.4	7.4	5.5	5.5	5.5	3.7	1.8	0.0
100°	7.4	7.4	7.4	7.4	5.5	5.5	5.5	3.7	3.7	1.8	0.0
102.5°	7.4	7.4	7.4	7.4	5.5	5.5	3.7	3.7	1.8	1.8	0.0
105°	7.4	7.4	7.4	5.5	5.5	3.7	3.7	3.7	1.8	1.8	0.0
107.5°	5.5	5.5	5.5	5.5	5.5	3.7	3.7	3.7	1.8	1.8	0.0
110°	5.5	5.5	5.5	5.5	3.7	3.7	3.7	3.7	1.8	1.8	0.0



REPORT NUMBER: P394734

CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	5.5	5.5	5.5	3.7	3.7	3.7	3.7	1.8	1.8	1.8	0.0
115°	3.7	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8	1.8	0.0
117.5°	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8	1.8	0.0	0.0
120°	3.7	3.7	3.7	3.7	1.8	1.8	1.8	1.8	1.8	0.0	0.0
122.5°	3.7	3.7	3.7	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
125°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0
127.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
130°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
135°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	1.8	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



REPORT NUMBER: P394734

CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4	224.4
2.5°	222.6	220.7	217.1	220.7	204.2	115.9	101.2	95.6	93.8	90.1	93.8
5°	224.4	218.9	218.9	141.6	121.4	40.5	3.7	0.0	0.0	0.0	0.0
7.5°	218.9	218.9	189.5	136.1	92.0	36.8	3.7	0.0	0.0	0.0	0.0
10°	218.9	217.1	185.8	134.3	88.3	36.8	1.8	0.0	0.0	0.0	0.0
12.5°	217.1	218.9	182.1	134.3	84.6	34.9	1.8	0.0	0.0	0.0	0.0
15°	217.1	217.1	176.6	134.3	82.8	34.9	1.8	0.0	0.0	0.0	0.0
17.5°	215.2	215.2	174.7	132.4	82.8	34.9	1.8	0.0	0.0	0.0	0.0
20°	213.4	213.4	171.1	126.9	79.1	34.9	1.8	0.0	0.0	0.0	0.0
22.5°	211.5	213.4	169.2	126.9	80.9	34.9	1.8	0.0	0.0	0.0	0.0
25°	220.7	217.1	174.7	128.8	82.8	34.9	1.8	0.0	0.0	0.0	0.0
27.5°	231.8	228.1	178.4	134.3	82.8	34.9	1.8	0.0	0.0	0.0	0.0
30°	244.6	239.1	183.9	139.8	82.8	34.9	1.8	0.0	0.0	0.0	0.0
32.5°	259.4	248.3	187.6	138.0	80.9	33.1	1.8	0.0	0.0	0.0	0.0
35°	270.4	257.5	185.8	132.4	75.4	31.3	1.8	0.0	0.0	0.0	0.0
37.5°	275.9	261.2	185.8	121.4	66.2	27.6	1.8	0.0	0.0	0.0	0.0
40°	285.1	263.0	180.3	112.2	49.7	14.7	1.8	0.0	0.0	0.0	0.0
42.5°	288.8	264.9	171.1	95.6	46.0	18.4	1.8	0.0	0.0	0.0	0.0
45°	292.5	263.0	161.9	88.3	36.8	16.6	1.8	0.0	0.0	0.0	0.0
47.5°	298.0	261.2	156.4	79.1	31.3	14.7	1.8	0.0	0.0	0.0	0.0
50°	312.7	270.4	156.4	71.7	27.6	12.9	1.8	0.0	0.0	0.0	0.0
52.5°	320.1	279.6	160.0	68.1	25.8	11.0	1.8	0.0	0.0	0.0	0.0
55°	334.8	288.8	160.0	64.4	23.9	9.2	1.8	0.0	0.0	0.0	0.0
57.5°	353.2	298.0	167.4	62.5	22.1	9.2	1.8	0.0	0.0	0.0	0.0
60°	375.2	316.4	174.7	62.5	22.1	9.2	1.8	0.0	0.0	0.0	0.0
62.5°	384.4	332.9	189.5	64.4	20.2	9.2	1.8	0.0	0.0	0.0	0.0
65°	371.6	320.1	189.5	64.4	18.4	9.2	1.8	0.0	0.0	0.0	0.0
67.5°	312.7	288.8	176.6	58.9	16.6	9.2	1.8	0.0	0.0	0.0	0.0
70°	252.0	239.1	150.8	47.8	14.7	5.5	1.8	0.0	0.0	0.0	0.0
72.5°	195.0	185.8	119.6	34.9	12.9	5.5	1.8	0.0	0.0	0.0	0.0
75°	115.9	117.7	82.8	23.9	9.2	5.5	1.8	0.0	0.0	0.0	0.0
77.5°	46.0	51.5	38.6	16.6	7.4	3.7	1.8	0.0	0.0	0.0	0.0
80°	14.7	16.6	14.7	9.2	5.5	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	7.4	7.4	7.4	5.5	1.8	1.8	0.0	0.0	0.0	0.0	0.0
85°	3.7	1.8	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



REPORT NUMBER: P394734

CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T4-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)