

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: P394737

Luminaire Tested: **303-B1-LEDB2-4000-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394737
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-LEDB2-4000-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 4 WITH EDGE GLOW
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1262.7 lumens
Efficiency: N/A
Efficacy: 81.5 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

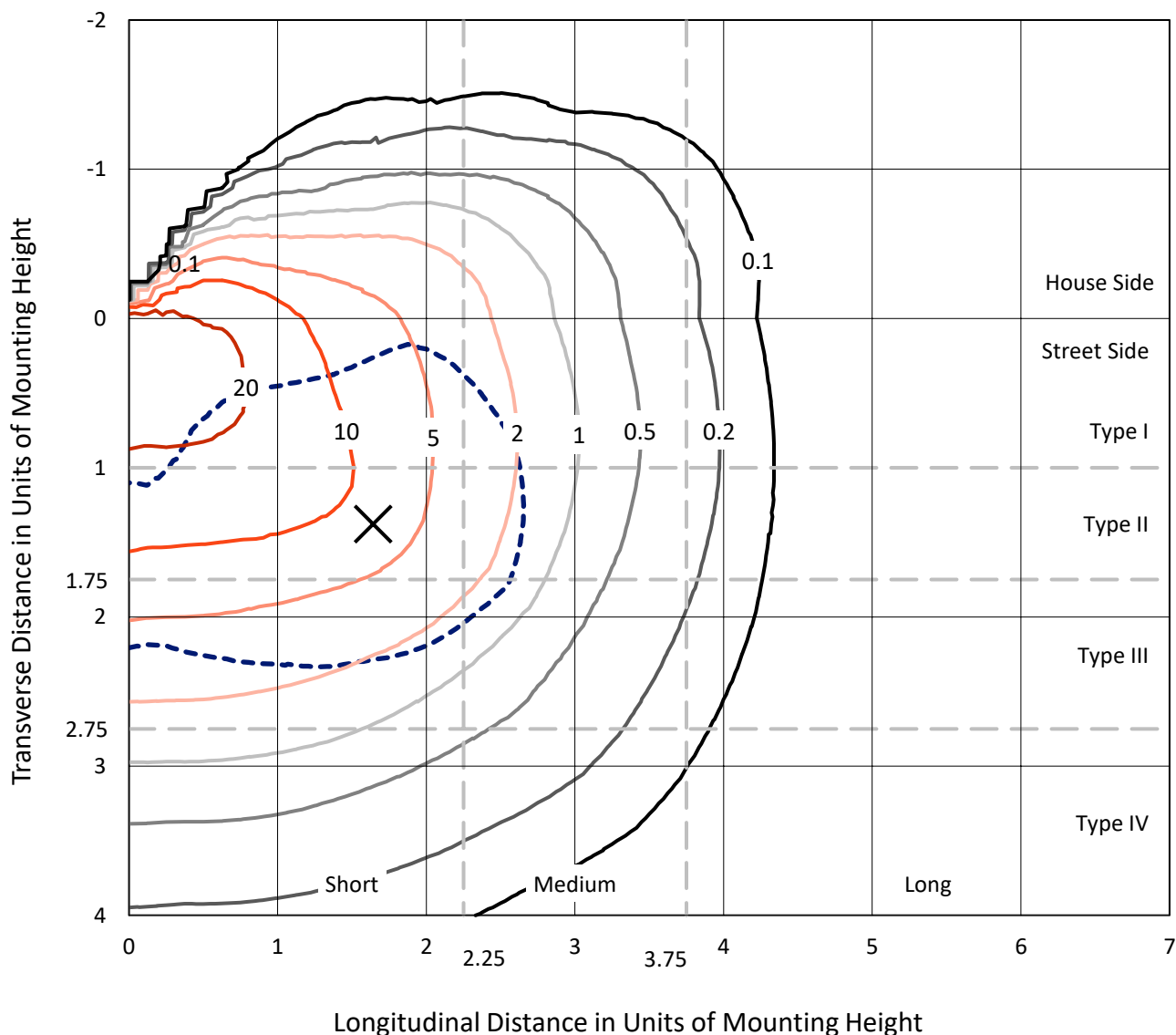


REPORT NUMBER: P394737

CATALOG NUMBER: 303-B1-LEDB2-4000-UNV-T4-DIM10-EDGE

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

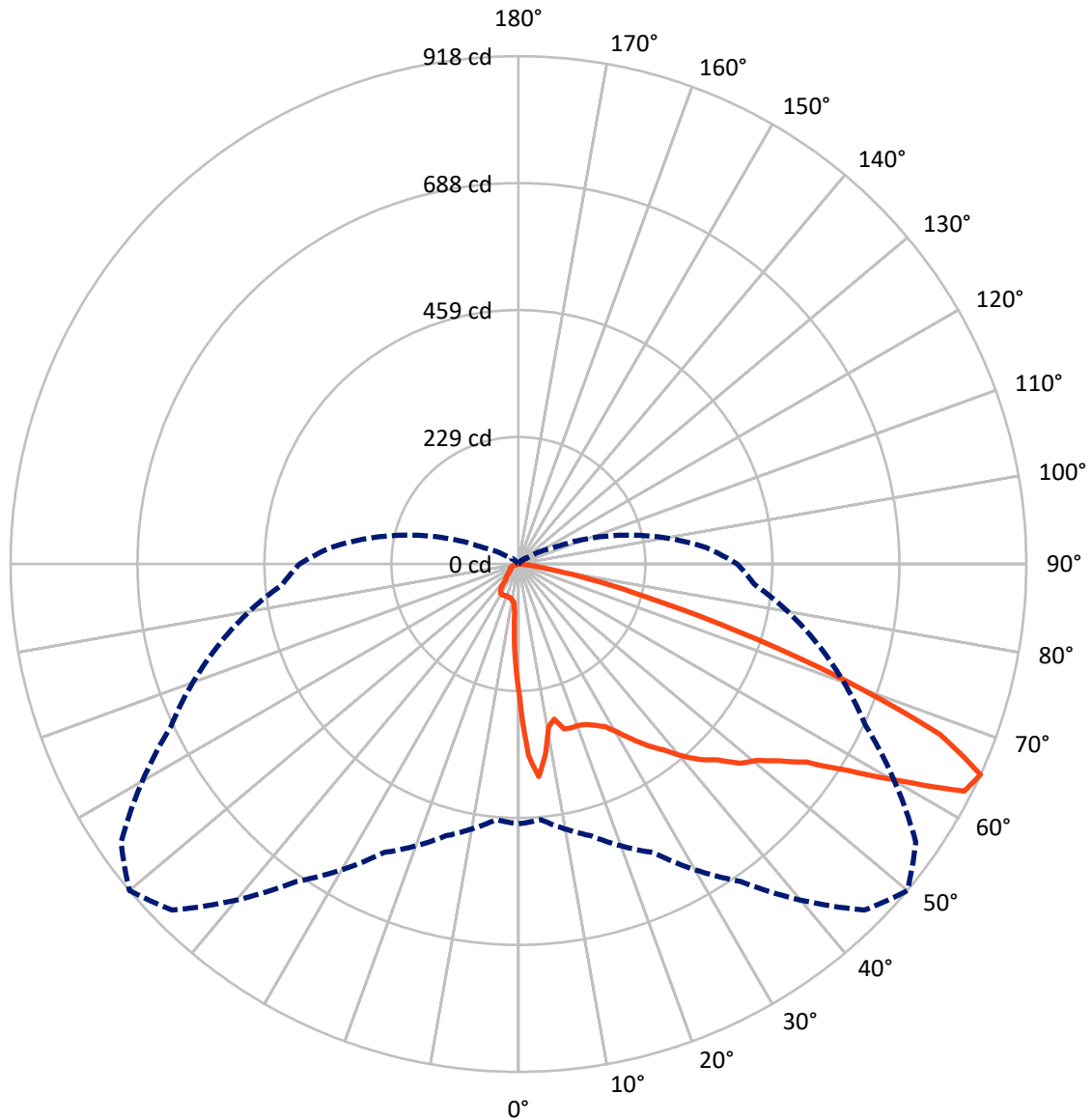


Based on 3 foot mounting height. Maximum calculated value = 34.4 fc
 Type III - Short - N/A

REPORT NUMBER: P394737

CATALOG NUMBER: 303-B1-LEDB2-4000-UNV-T4-DIM10-EDGE

Luminous Intensity Polar Plot



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

REPORT NUMBER: P394737

CATALOG NUMBER: 303-B1-LEDB2-4000-UNV-T4-DIM10-EDGE

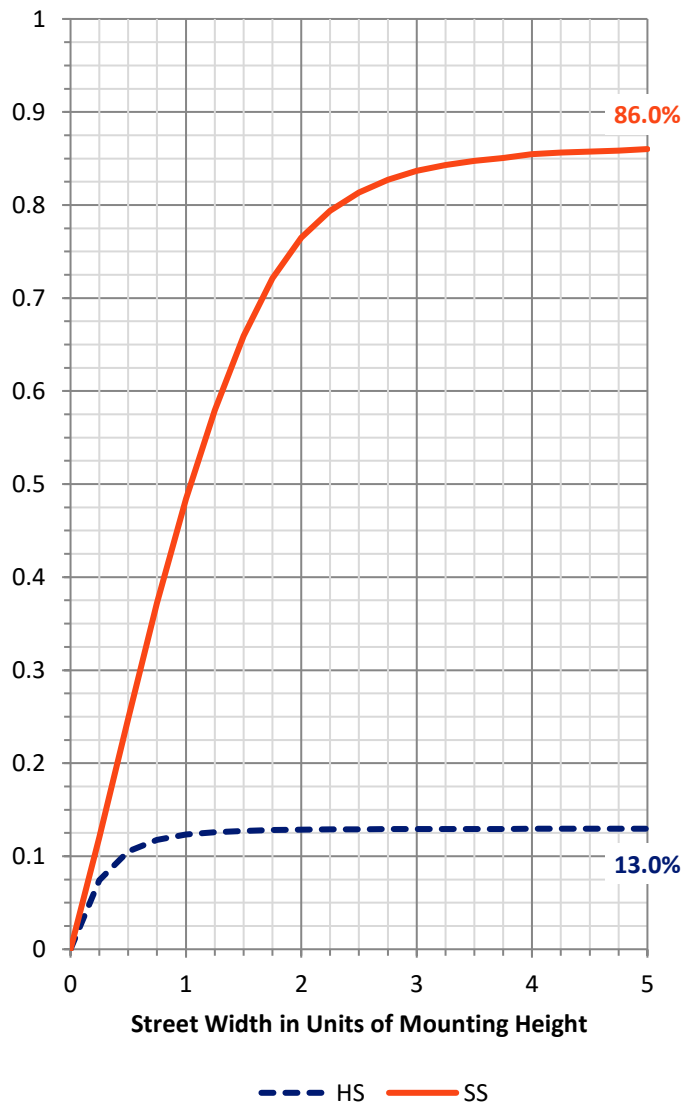
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	165.0	0.0	165.0
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	1089.6	8.1	1097.7
	% Fixture	86.3	0.6	86.9
Total	Lumens	1254.6	8.1	1262.7
	% Fixture	99.4	0.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.8	1.6
10°-20°	52.2	4.1
20°-30°	89.9	7.1
30°-40°	144.3	11.4
40°-50°	200.4	15.9
50°-60°	278.2	22.0
60°-70°	332.9	26.4
70°-80°	127.3	10.1
80°-90°	9.6	0.8
90°-100°	3.3	0.3
100°-110°	2.3	0.2
110°-120°	1.4	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°	1254.6	99.4
0°-180°	1262.7	100.0

Coefficient of Utilization



REPORT NUMBER: P394737

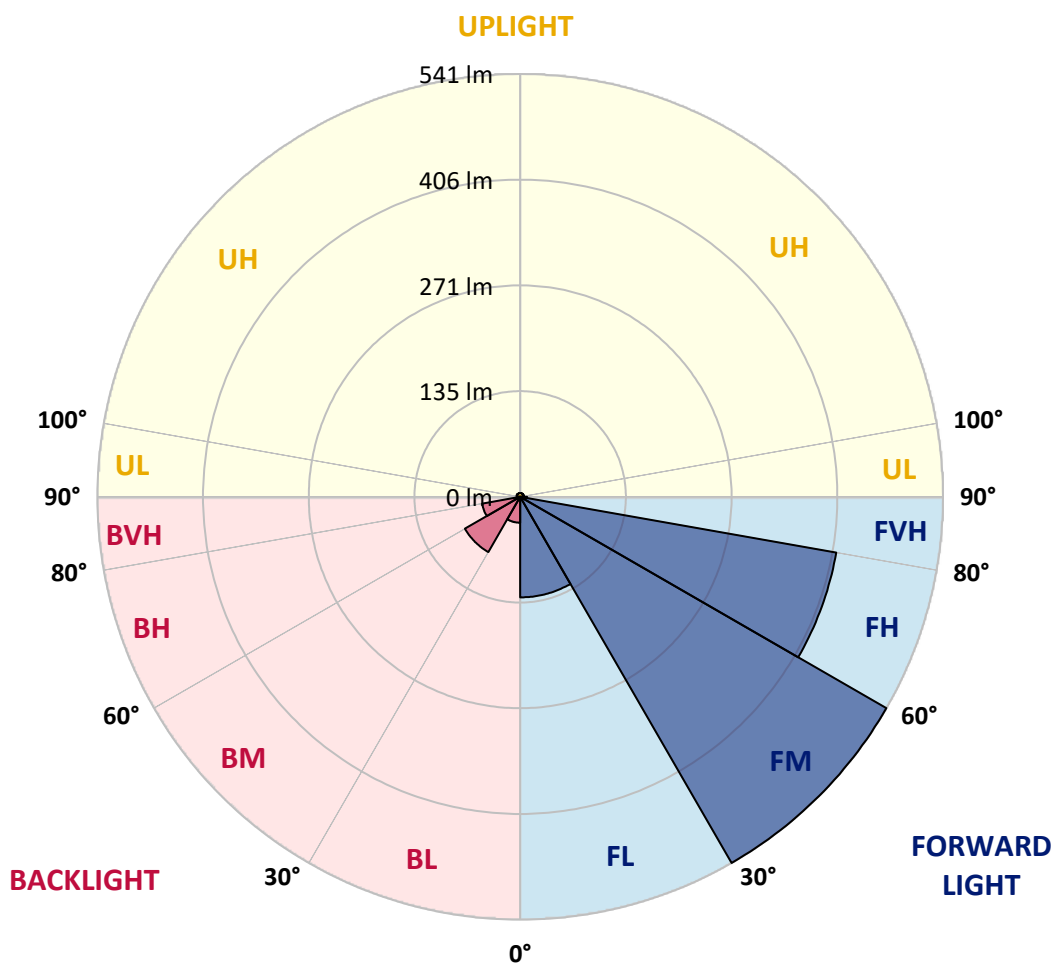
CATALOG NUMBER: 303-B1-LEDB2-4000-UNV-T4-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	128.7	10.2			
FM (30°-60°)	541.2	42.9			
FH (60°-80°)	410.9	32.5			G0/660
FVH (80°-90°)	8.8	0.7			G0/10
BL (0°-30°)	33.2	2.6	B0/110		
BM (30°-60°)	81.6	6.5	B0/220		
BH (60°-80°)	49.4	3.9	B0/110		G0/110
BVH (80°-90°)	0.9	0.1			G0/10
UL (90°-100°)	3.3	0.3		U1/10	
UH (100°-180°)	4.8	0.4		U1/10	

BUG Rating: B0-U1-G0

Type III Short





REPORT NUMBER: P394737

CATALOG NUMBER: 303-B1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7
2.5°	391.2	383.4	379.5	365.8	350.2	342.3	346.2	338.4	336.5	254.3	240.6
5°	363.9	371.7	371.7	379.5	385.4	385.4	385.4	369.7	320.8	299.3	244.5
7.5°	309.1	303.2	311.0	314.9	328.6	336.5	348.2	346.2	320.8	287.6	246.5
10°	332.6	332.6	326.7	320.8	303.2	285.6	299.3	307.1	305.2	279.7	238.7
12.5°	326.7	324.7	326.7	326.7	326.7	303.2	287.6	285.6	287.6	273.9	234.7
15°	305.2	307.1	307.1	303.2	320.8	313.0	309.1	285.6	258.2	268.0	234.7
17.5°	303.2	295.4	305.2	307.1	305.2	313.0	311.0	305.2	256.3	264.1	234.7
20°	316.9	316.9	313.0	305.2	307.1	307.1	311.0	309.1	270.0	260.2	228.9
22.5°	326.7	318.9	320.8	324.7	316.9	314.9	314.9	311.0	289.5	256.3	234.7
25°	330.6	328.6	334.5	330.6	334.5	324.7	322.8	314.9	301.3	262.1	240.6
27.5°	340.4	340.4	342.3	346.2	350.2	334.5	332.6	328.6	314.9	281.7	246.5
30°	350.2	354.1	356.0	356.0	365.8	358.0	352.1	342.3	336.5	303.2	268.0
32.5°	367.8	369.7	373.6	381.5	383.4	375.6	377.5	371.7	348.2	334.5	289.5
35°	387.3	383.4	395.2	404.9	410.8	399.1	403.0	389.3	379.5	352.1	305.2
37.5°	397.1	395.2	408.8	426.5	436.2	426.5	426.5	424.5	387.3	361.9	314.9
40°	416.7	404.9	422.5	444.1	463.6	457.8	455.8	446.0	403.0	371.7	318.9
42.5°	428.4	414.7	438.2	457.8	483.2	489.1	483.2	469.5	428.4	379.5	326.7
45°	432.3	432.3	451.9	473.4	498.8	508.6	504.7	494.9	438.2	389.3	338.4
47.5°	459.7	448.0	467.5	483.2	518.4	536.0	538.0	526.2	457.8	403.0	342.3
50°	469.5	469.5	481.2	502.7	543.8	569.3	557.5	551.6	479.3	414.7	348.2
52.5°	496.9	496.9	504.7	538.0	569.3	606.4	590.8	581.0	516.4	432.3	371.7
55°	534.0	530.1	547.7	561.4	610.3	637.7	631.9	631.9	532.1	455.8	387.3
57.5°	586.9	565.3	581.0	622.1	661.2	708.1	704.2	674.9	588.8	485.1	403.0
60°	581.0	577.1	602.5	661.2	751.2	806.0	796.2	772.7	655.3	534.0	430.4
62.5°	555.6	536.0	586.9	645.5	766.8	886.2	903.8	878.3	716.0	571.2	457.8
65°	469.5	463.6	508.6	575.1	700.3	884.2	917.5	876.4	692.5	559.5	428.4
67.5°	416.7	412.8	444.1	493.0	596.6	774.7	821.6	792.3	641.6	494.9	377.5
70°	332.6	336.5	369.7	412.8	471.4	586.9	618.2	649.5	524.3	418.6	311.0
72.5°	234.7	236.7	266.0	311.0	348.2	385.4	406.9	430.4	377.5	313.0	234.7
75°	146.7	142.8	162.4	172.1	203.4	246.5	238.7	232.8	221.1	193.7	148.7
77.5°	64.6	66.5	76.3	97.8	105.6	131.1	133.0	125.2	105.6	84.1	56.7
80°	41.1	39.1	43.0	48.9	54.8	56.7	50.9	46.9	45.0	35.2	19.6
82.5°	23.5	21.5	23.5	25.4	27.4	29.3	25.4	23.5	17.6	17.6	7.8
85°	15.6	13.7	13.7	13.7	13.7	11.7	11.7	9.8	9.8	5.9	3.9
87.5°	11.7	11.7	11.7	11.7	9.8	7.8	7.8	5.9	3.9	2.0	0.0
90°	11.7	11.7	11.7	9.8	9.8	7.8	5.9	5.9	3.9	2.0	0.0
92.5°	9.8	9.8	9.8	9.8	7.8	7.8	5.9	5.9	3.9	2.0	0.0
95°	9.8	9.8	9.8	9.8	7.8	5.9	5.9	5.9	3.9	2.0	0.0
97.5°	9.8	9.8	9.8	7.8	7.8	5.9	5.9	5.9	3.9	2.0	0.0
100°	7.8	7.8	7.8	7.8	5.9	5.9	5.9	3.9	3.9	2.0	0.0
102.5°	7.8	7.8	7.8	7.8	5.9	5.9	3.9	3.9	2.0	2.0	0.0
105°	7.8	7.8	7.8	5.9	5.9	3.9	3.9	3.9	2.0	2.0	0.0
107.5°	5.9	5.9	5.9	5.9	5.9	3.9	3.9	3.9	2.0	2.0	0.0
110°	5.9	5.9	5.9	5.9	3.9	3.9	3.9	3.9	2.0	2.0	0.0



REPORT NUMBER: P394737

CATALOG NUMBER: 303-B1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	5.9	5.9	5.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	0.0
115°	3.9	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	0.0
117.5°	3.9	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	0.0	0.0
120°	3.9	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	0.0	0.0
122.5°	3.9	3.9	3.9	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	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



REPORT NUMBER: P394737

CATALOG NUMBER: 303-B1-LEDB2-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7	238.7
2.5°	236.7	234.7	230.8	234.7	217.1	123.2	107.6	101.7	99.8	95.9	99.8
5°	238.7	232.8	232.8	150.6	129.1	43.0	3.9	0.0	0.0	0.0	0.0
7.5°	232.8	232.8	201.5	144.8	97.8	39.1	3.9	0.0	0.0	0.0	0.0
10°	232.8	230.8	197.6	142.8	93.9	39.1	2.0	0.0	0.0	0.0	0.0
12.5°	230.8	232.8	193.7	142.8	90.0	37.2	2.0	0.0	0.0	0.0	0.0
15°	230.8	230.8	187.8	142.8	88.0	37.2	2.0	0.0	0.0	0.0	0.0
17.5°	228.9	228.9	185.8	140.8	88.0	37.2	2.0	0.0	0.0	0.0	0.0
20°	226.9	226.9	181.9	135.0	84.1	37.2	2.0	0.0	0.0	0.0	0.0
22.5°	225.0	226.9	180.0	135.0	86.1	37.2	2.0	0.0	0.0	0.0	0.0
25°	234.7	230.8	185.8	136.9	88.0	37.2	2.0	0.0	0.0	0.0	0.0
27.5°	246.5	242.6	189.8	142.8	88.0	37.2	2.0	0.0	0.0	0.0	0.0
30°	260.2	254.3	195.6	148.7	88.0	37.2	2.0	0.0	0.0	0.0	0.0
32.5°	275.8	264.1	199.5	146.7	86.1	35.2	2.0	0.0	0.0	0.0	0.0
35°	287.6	273.9	197.6	140.8	80.2	33.3	2.0	0.0	0.0	0.0	0.0
37.5°	293.4	277.8	197.6	129.1	70.4	29.3	2.0	0.0	0.0	0.0	0.0
40°	303.2	279.7	191.7	119.3	52.8	15.6	2.0	0.0	0.0	0.0	0.0
42.5°	307.1	281.7	181.9	101.7	48.9	19.6	2.0	0.0	0.0	0.0	0.0
45°	311.0	279.7	172.1	93.9	39.1	17.6	2.0	0.0	0.0	0.0	0.0
47.5°	316.9	277.8	166.3	84.1	33.3	15.6	2.0	0.0	0.0	0.0	0.0
50°	332.6	287.6	166.3	76.3	29.3	13.7	2.0	0.0	0.0	0.0	0.0
52.5°	340.4	297.3	170.2	72.4	27.4	11.7	2.0	0.0	0.0	0.0	0.0
55°	356.0	307.1	170.2	68.5	25.4	9.8	2.0	0.0	0.0	0.0	0.0
57.5°	375.6	316.9	178.0	66.5	23.5	9.8	2.0	0.0	0.0	0.0	0.0
60°	399.1	336.5	185.8	66.5	23.5	9.8	2.0	0.0	0.0	0.0	0.0
62.5°	408.8	354.1	201.5	68.5	21.5	9.8	2.0	0.0	0.0	0.0	0.0
65°	395.2	340.4	201.5	68.5	19.6	9.8	2.0	0.0	0.0	0.0	0.0
67.5°	332.6	307.1	187.8	62.6	17.6	9.8	2.0	0.0	0.0	0.0	0.0
70°	268.0	254.3	160.4	50.9	15.6	5.9	2.0	0.0	0.0	0.0	0.0
72.5°	207.4	197.6	127.2	37.2	13.7	5.9	2.0	0.0	0.0	0.0	0.0
75°	123.2	125.2	88.0	25.4	9.8	5.9	2.0	0.0	0.0	0.0	0.0
77.5°	48.9	54.8	41.1	17.6	7.8	3.9	2.0	0.0	0.0	0.0	0.0
80°	15.6	17.6	15.6	9.8	5.9	2.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.8	7.8	7.8	5.9	2.0	2.0	0.0	0.0	0.0	0.0	0.0
85°	3.9	2.0	2.0	2.0	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	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: P394737

CATALOG NUMBER: 303-B1-LEDB2-4000-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)