

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: P394736

Luminaire Tested: **303-B1-LEDB1-4000-UNV-T4-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394736
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-LEDB1-4000-UNV-T4-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, ONE 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: 631.4 lumens
Efficiency: N/A
Efficacy: 76.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.21' x H: 0.01')
IES Classification: Type III - Short
BUG Rating: B0 - U1 - G0

Input Watts (W): 8.3
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

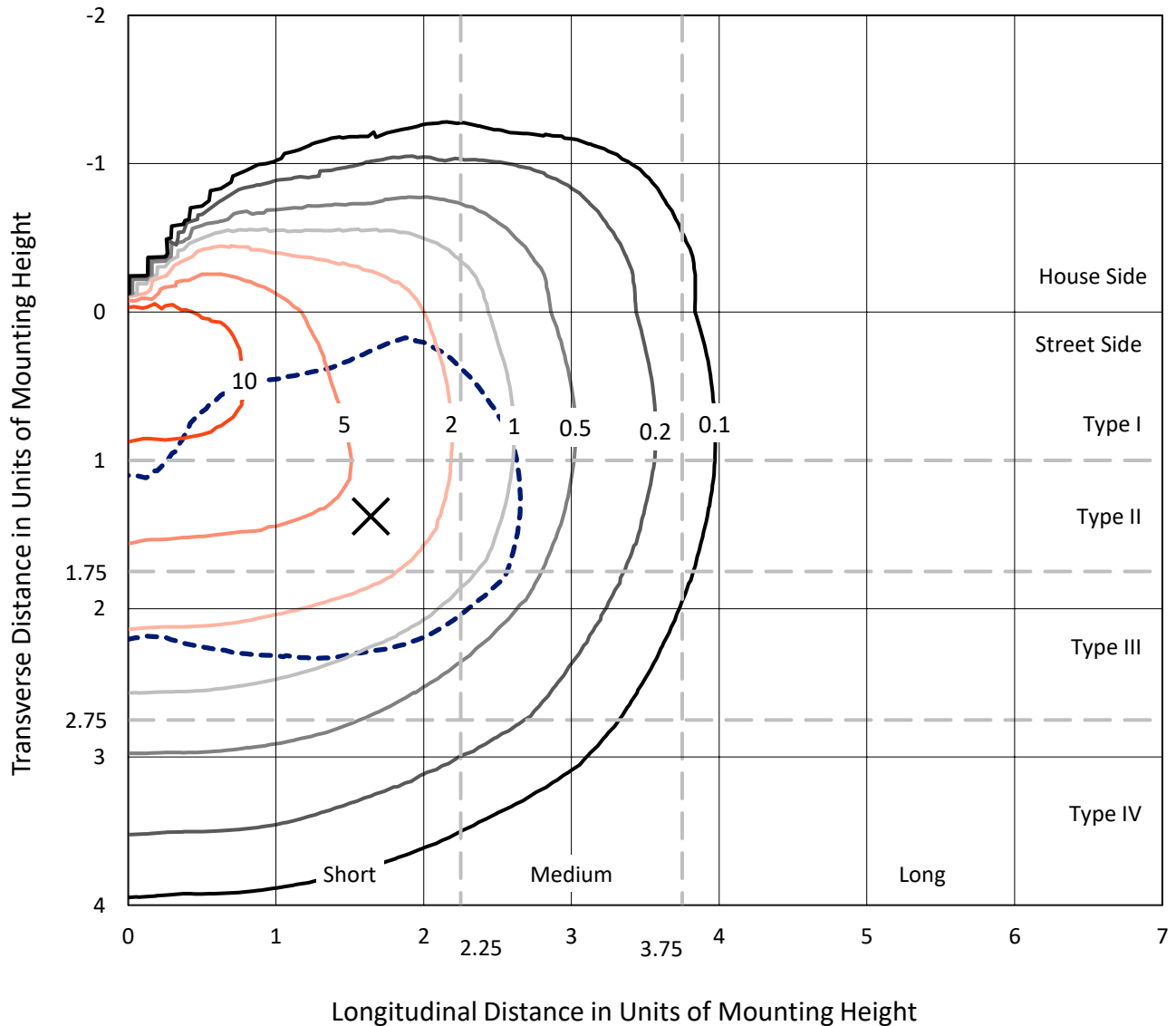


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Iso-Footcandle Lines of Horizontal Illumination

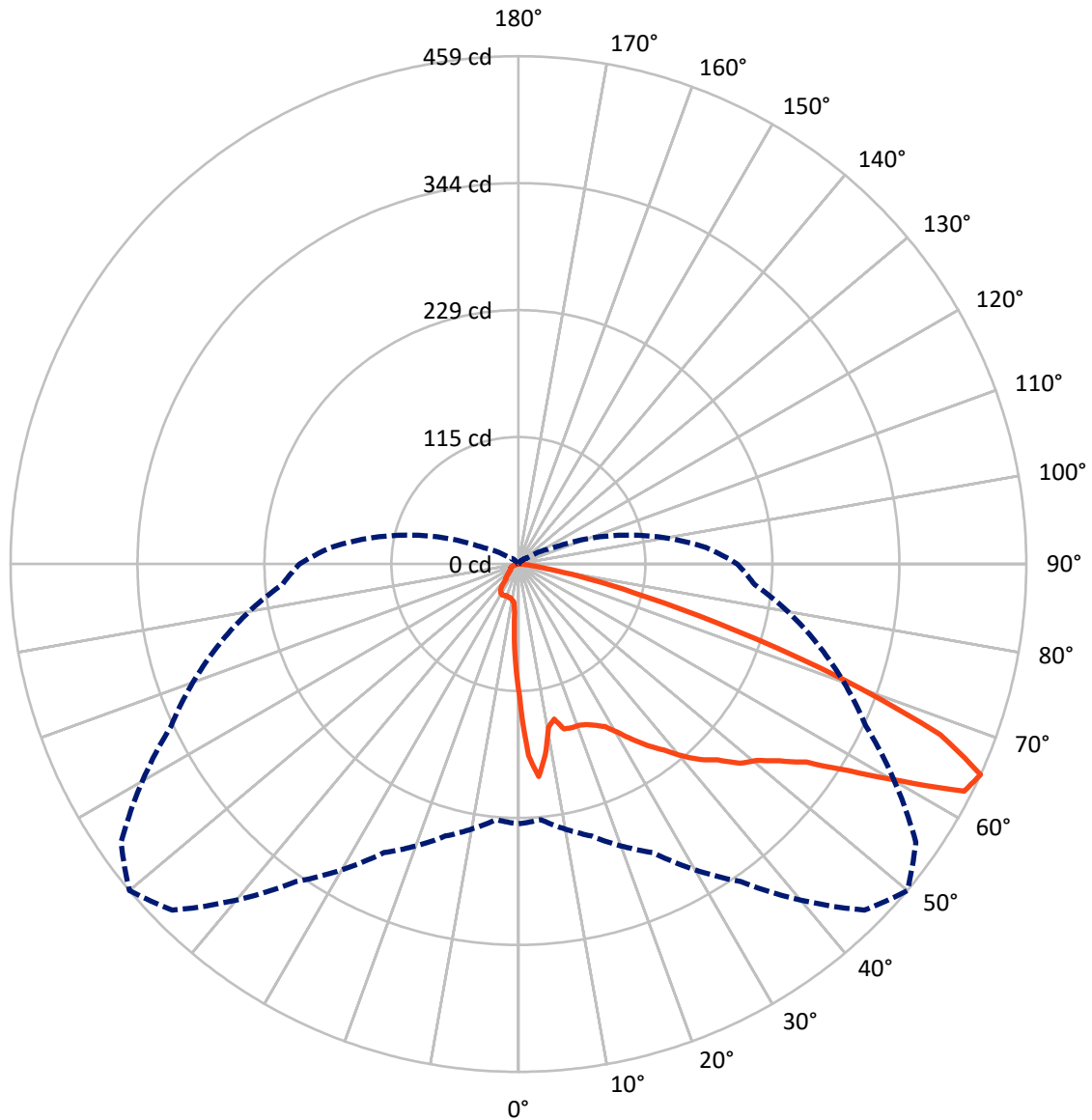
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 17.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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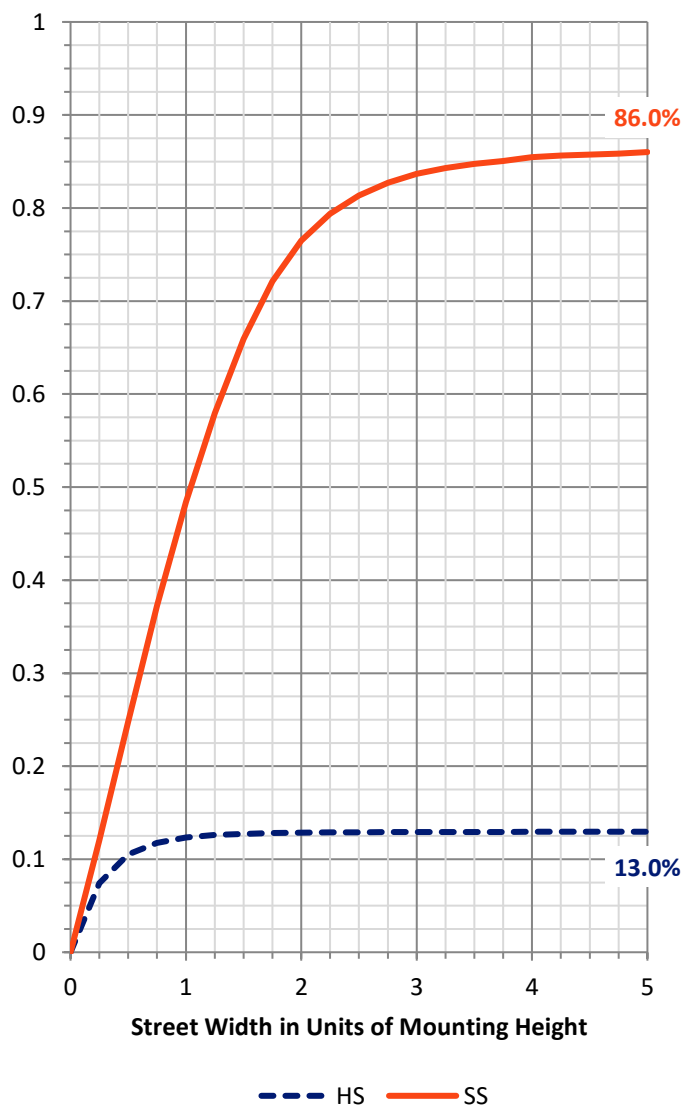
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	82.5	0.0	82.5
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	544.8	4.1	548.9
	% Fixture	86.3	0.6	86.9
Total	Lumens	627.3	4.1	631.4
	% Fixture	99.4	0.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.9	1.6
10°-20°	26.1	4.1
20°-30°	44.9	7.1
30°-40°	72.1	11.4
40°-50°	100.2	15.9
50°-60°	139.1	22.0
60°-70°	166.5	26.4
70°-80°	63.7	10.1
80°-90°	4.8	0.8
90°-100°	1.7	0.3
100°-110°	1.2	0.2
110°-120°	0.7	0.1
120°-130°	0.4	0.1
130°-140°	0.2	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°	627.3	99.4
0°-180°	631.4	100.0

Coefficient of Utilization



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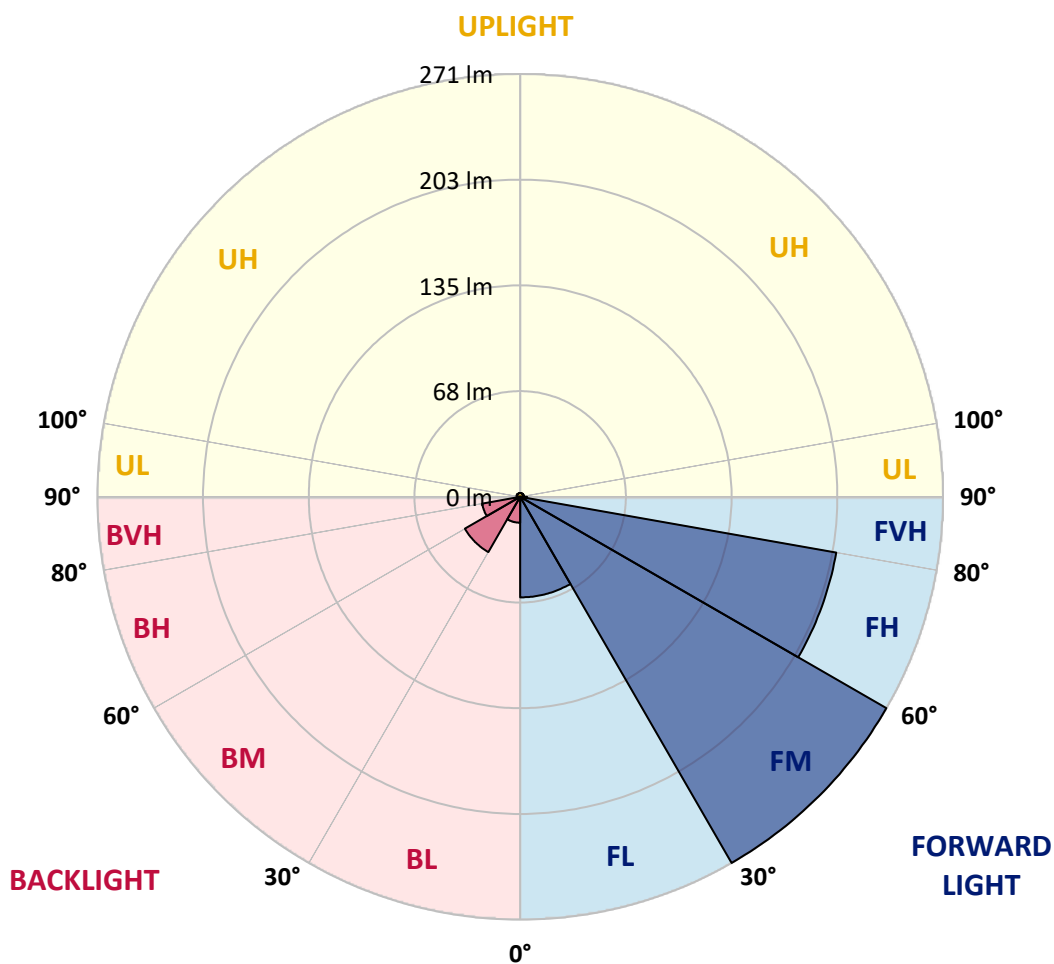
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	64.4	10.2			
FM	(30°-60°)	270.6	42.9			
FH	(60°-80°)	205.4	32.5			G0/660
FVH	(80°-90°)	4.4	0.7			G0/10
BL	(0°-30°)	16.6	2.6	B0/110		
BM	(30°-60°)	40.8	6.5	B0/220		
BH	(60°-80°)	24.7	3.9	B0/110		G0/110
BVH	(80°-90°)	0.4	0.1			G0/10
UL	(90°-100°)	1.7	0.3		U1/10	
UH	(100°-180°)	2.4	0.4		U1/10	

BUG Rating: B0-U1-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3
2.5°	195.6	191.7	189.8	182.9	175.1	171.2	173.1	169.2	168.2	127.2	120.3
5°	181.9	185.8	185.8	189.8	192.7	192.7	192.7	184.9	160.4	149.6	122.3
7.5°	154.5	151.6	155.5	157.5	164.3	168.2	174.1	173.1	160.4	143.8	123.2
10°	166.3	166.3	163.3	160.4	151.6	142.8	149.6	153.6	152.6	139.9	119.3
12.5°	163.3	162.4	163.3	163.3	163.3	151.6	143.8	142.8	143.8	136.9	117.4
15°	152.6	153.6	153.6	151.6	160.4	156.5	154.5	142.8	129.1	134.0	117.4
17.5°	151.6	147.7	152.6	153.6	152.6	156.5	155.5	152.6	128.1	132.0	117.4
20°	158.5	158.5	156.5	152.6	153.6	153.6	155.5	154.5	135.0	130.1	114.4
22.5°	163.3	159.4	160.4	162.4	158.5	157.5	157.5	155.5	144.8	128.1	117.4
25°	165.3	164.3	167.3	165.3	167.3	162.4	161.4	157.5	150.6	131.1	120.3
27.5°	170.2	170.2	171.2	173.1	175.1	167.3	166.3	164.3	157.5	140.8	123.2
30°	175.1	177.0	178.0	178.0	182.9	179.0	176.1	171.2	168.2	151.6	134.0
32.5°	183.9	184.9	186.8	190.7	191.7	187.8	188.8	185.8	174.1	167.3	144.8
35°	193.7	191.7	197.6	202.5	205.4	199.5	201.5	194.6	189.8	176.1	152.6
37.5°	198.6	197.6	204.4	213.2	218.1	213.2	213.2	212.2	193.7	180.9	157.5
40°	208.3	202.5	211.3	222.0	231.8	228.9	227.9	223.0	201.5	185.8	159.4
42.5°	214.2	207.4	219.1	228.9	241.6	244.5	241.6	234.7	214.2	189.8	163.3
45°	216.2	216.2	225.9	236.7	249.4	254.3	252.4	247.5	219.1	194.6	169.2
47.5°	229.9	224.0	233.8	241.6	259.2	268.0	269.0	263.1	228.9	201.5	171.2
50°	234.7	234.7	240.6	251.4	271.9	284.6	278.8	275.8	239.6	207.4	174.1
52.5°	248.4	248.4	252.4	269.0	284.6	303.2	295.4	290.5	258.2	216.2	185.8
55°	267.0	265.1	273.9	280.7	305.2	318.9	315.9	315.9	266.0	227.9	193.7
57.5°	293.4	282.7	290.5	311.0	330.6	354.1	352.1	337.4	294.4	242.6	201.5
60°	290.5	288.5	301.3	330.6	375.6	403.0	398.1	386.4	327.7	267.0	215.2
62.5°	277.8	268.0	293.4	322.8	383.4	443.1	451.9	439.2	358.0	285.6	228.9
65°	234.7	231.8	254.3	287.6	350.2	442.1	458.7	438.2	346.2	279.7	214.2
67.5°	208.3	206.4	222.0	246.5	298.3	387.3	410.8	396.1	320.8	247.5	188.8
70°	166.3	168.2	184.9	206.4	235.7	293.4	309.1	324.7	262.1	209.3	155.5
72.5°	117.4	118.4	133.0	155.5	174.1	192.7	203.4	215.2	188.8	156.5	117.4
75°	73.4	71.4	81.2	86.1	101.7	123.2	119.3	116.4	110.5	96.8	74.3
77.5°	32.3	33.3	38.1	48.9	52.8	65.5	66.5	62.6	52.8	42.1	28.4
80°	20.5	19.6	21.5	24.5	27.4	28.4	25.4	23.5	22.5	17.6	9.8
82.5°	11.7	10.8	11.7	12.7	13.7	14.7	12.7	11.7	8.8	8.8	3.9
85°	7.8	6.8	6.8	6.8	6.8	5.9	5.9	4.9	4.9	2.9	2.0
87.5°	5.9	5.9	5.9	5.9	4.9	3.9	3.9	2.9	2.0	1.0	0.0
90°	5.9	5.9	5.9	4.9	4.9	3.9	2.9	2.9	2.0	1.0	0.0
92.5°	4.9	4.9	4.9	4.9	3.9	3.9	2.9	2.9	2.0	1.0	0.0
95°	4.9	4.9	4.9	4.9	3.9	2.9	2.9	2.9	2.0	1.0	0.0
97.5°	4.9	4.9	4.9	3.9	3.9	2.9	2.9	2.9	2.0	1.0	0.0
100°	3.9	3.9	3.9	3.9	2.9	2.9	2.9	2.0	2.0	1.0	0.0
102.5°	3.9	3.9	3.9	3.9	2.9	2.9	2.0	2.0	1.0	1.0	0.0
105°	3.9	3.9	3.9	2.9	2.9	2.0	2.0	2.0	1.0	1.0	0.0
107.5°	2.9	2.9	2.9	2.9	2.9	2.0	2.0	2.0	1.0	1.0	0.0
110°	2.9	2.9	2.9	2.9	2.0	2.0	2.0	2.0	1.0	1.0	0.0



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CATALOG NUMBER: 303-B1-LEDB1-4000-UNV-T4-DIM10-EDGE

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	2.9	2.9	2.9	2.0	2.0	2.0	2.0	1.0	1.0	1.0	0.0
115°	2.0	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	0.0	0.0
120°	2.0	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
122.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
135°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3	119.3
2.5°	118.4	117.4	115.4	117.4	108.6	61.6	53.8	50.9	49.9	47.9	49.9
5°	119.3	116.4	116.4	75.3	64.6	21.5	2.0	0.0	0.0	0.0	0.0
7.5°	116.4	116.4	100.7	72.4	48.9	19.6	2.0	0.0	0.0	0.0	0.0
10°	116.4	115.4	98.8	71.4	46.9	19.6	1.0	0.0	0.0	0.0	0.0
12.5°	115.4	116.4	96.8	71.4	45.0	18.6	1.0	0.0	0.0	0.0	0.0
15°	115.4	115.4	93.9	71.4	44.0	18.6	1.0	0.0	0.0	0.0	0.0
17.5°	114.4	114.4	92.9	70.4	44.0	18.6	1.0	0.0	0.0	0.0	0.0
20°	113.5	113.5	91.0	67.5	42.1	18.6	1.0	0.0	0.0	0.0	0.0
22.5°	112.5	113.5	90.0	67.5	43.0	18.6	1.0	0.0	0.0	0.0	0.0
25°	117.4	115.4	92.9	68.5	44.0	18.6	1.0	0.0	0.0	0.0	0.0
27.5°	123.2	121.3	94.9	71.4	44.0	18.6	1.0	0.0	0.0	0.0	0.0
30°	130.1	127.2	97.8	74.3	44.0	18.6	1.0	0.0	0.0	0.0	0.0
32.5°	137.9	132.0	99.8	73.4	43.0	17.6	1.0	0.0	0.0	0.0	0.0
35°	143.8	136.9	98.8	70.4	40.1	16.6	1.0	0.0	0.0	0.0	0.0
37.5°	146.7	138.9	98.8	64.6	35.2	14.7	1.0	0.0	0.0	0.0	0.0
40°	151.6	139.9	95.9	59.7	26.4	7.8	1.0	0.0	0.0	0.0	0.0
42.5°	153.6	140.8	91.0	50.9	24.5	9.8	1.0	0.0	0.0	0.0	0.0
45°	155.5	139.9	86.1	46.9	19.6	8.8	1.0	0.0	0.0	0.0	0.0
47.5°	158.5	138.9	83.1	42.1	16.6	7.8	1.0	0.0	0.0	0.0	0.0
50°	166.3	143.8	83.1	38.1	14.7	6.8	1.0	0.0	0.0	0.0	0.0
52.5°	170.2	148.7	85.1	36.2	13.7	5.9	1.0	0.0	0.0	0.0	0.0
55°	178.0	153.6	85.1	34.2	12.7	4.9	1.0	0.0	0.0	0.0	0.0
57.5°	187.8	158.5	89.0	33.3	11.7	4.9	1.0	0.0	0.0	0.0	0.0
60°	199.5	168.2	92.9	33.3	11.7	4.9	1.0	0.0	0.0	0.0	0.0
62.5°	204.4	177.0	100.7	34.2	10.8	4.9	1.0	0.0	0.0	0.0	0.0
65°	197.6	170.2	100.7	34.2	9.8	4.9	1.0	0.0	0.0	0.0	0.0
67.5°	166.3	153.6	93.9	31.3	8.8	4.9	1.0	0.0	0.0	0.0	0.0
70°	134.0	127.2	80.2	25.4	7.8	2.9	1.0	0.0	0.0	0.0	0.0
72.5°	103.7	98.8	63.6	18.6	6.8	2.9	1.0	0.0	0.0	0.0	0.0
75°	61.6	62.6	44.0	12.7	4.9	2.9	1.0	0.0	0.0	0.0	0.0
77.5°	24.5	27.4	20.5	8.8	3.9	2.0	1.0	0.0	0.0	0.0	0.0
80°	7.8	8.8	7.8	4.9	2.9	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	3.9	3.9	3.9	2.9	1.0	1.0	0.0	0.0	0.0	0.0	0.0
85°	2.0	1.0	1.0	1.0	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: P394736

CATALOG NUMBER: 303-B1-LEDB1-4000-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)