

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: P394716

Luminaire Tested: **303-B1-LEDB2-3000-UNV-T2-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-4)
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-T2-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO 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: 1242.4 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
IES Classification: Type II - Short
BUG Rating: B1 - U1 - G1

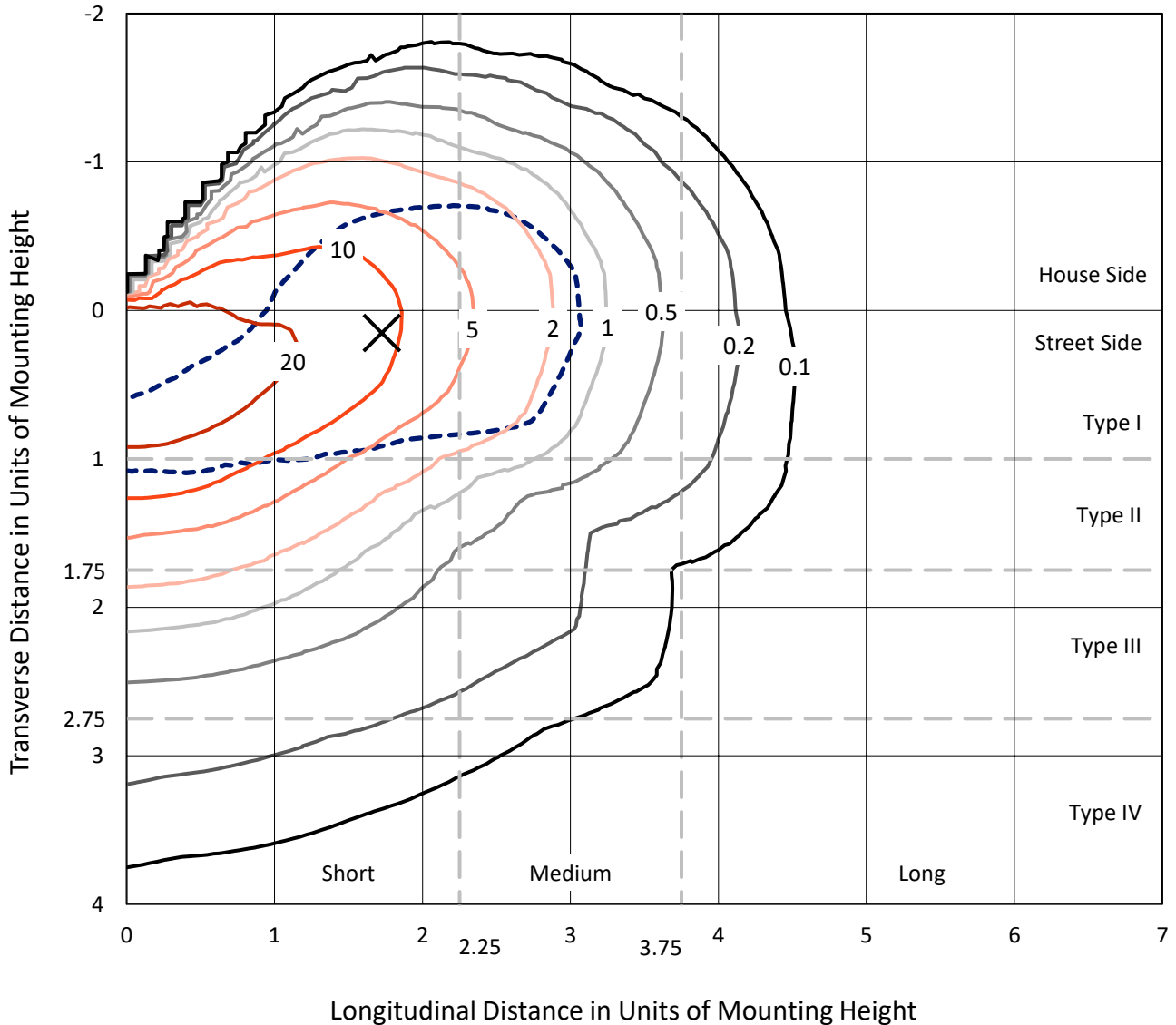
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

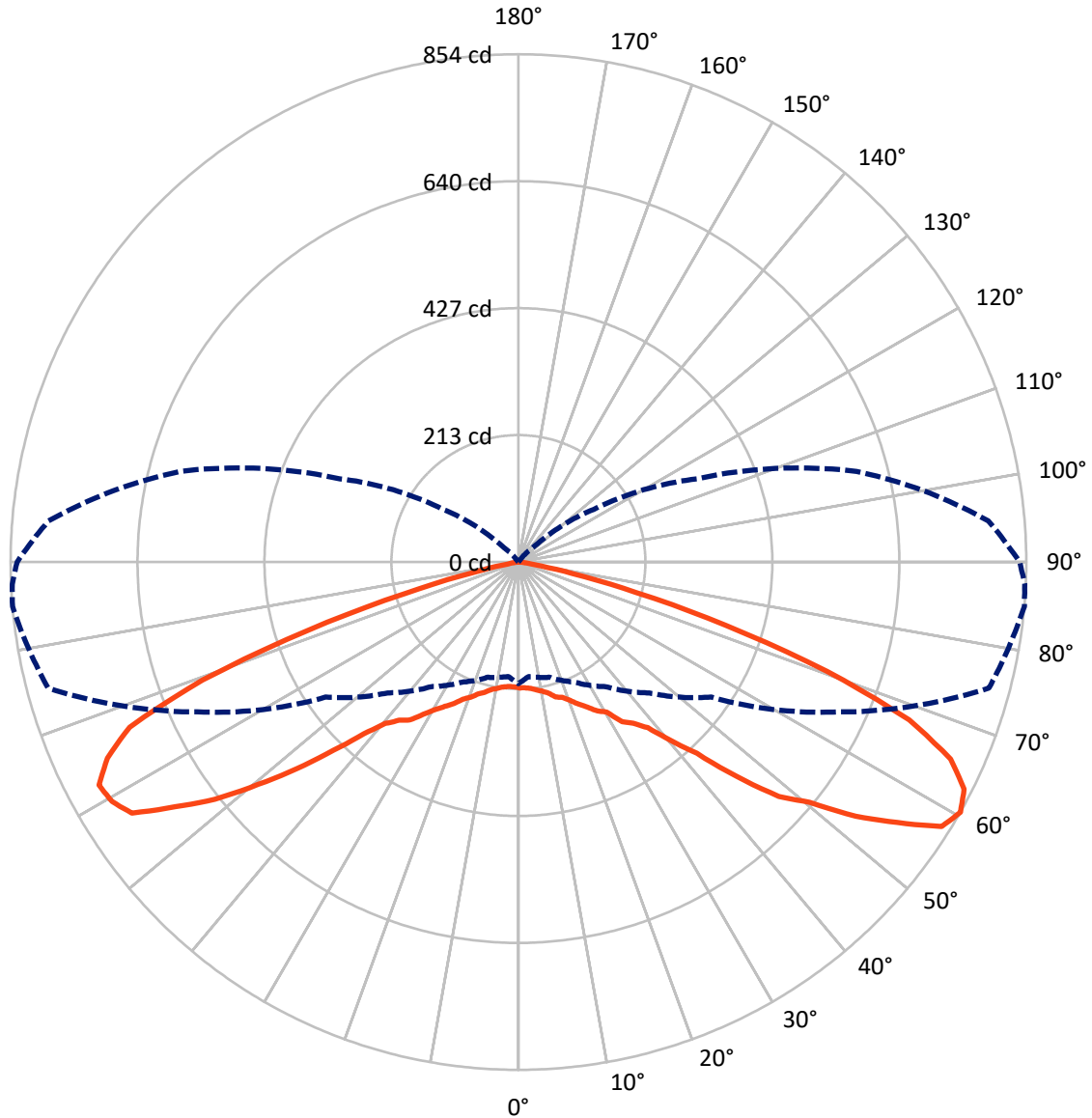
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 33.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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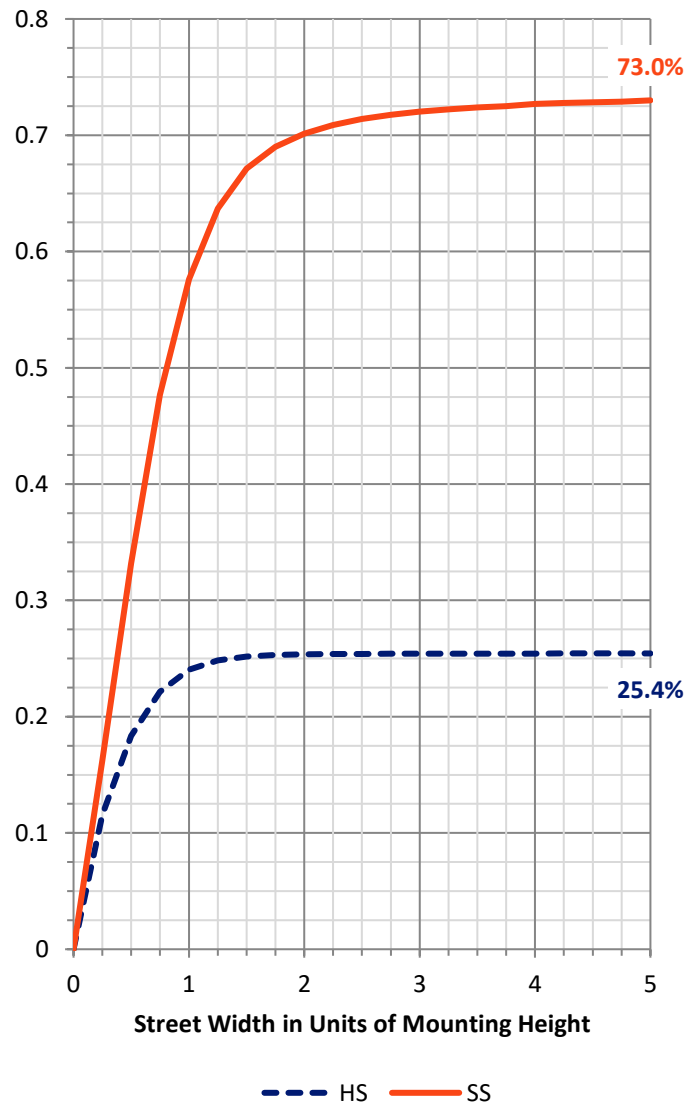
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	318.3	0.0	318.3
	% Fixture	25.6	0.0	25.6
Street Side	Lumens	910.8	13.3	924.2
	% Fixture	73.3	1.1	74.4
Total	Lumens	1229.1	13.3	1242.4
	% Fixture	98.9	1.1	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.6	1.4
10°-20°	51.8	4.2
20°-30°	100.5	8.1
30°-40°	170.2	13.7
40°-50°	245.9	19.8
50°-60°	308.2	24.8
60°-70°	243.6	19.6
70°-80°	79.7	6.4
80°-90°	11.5	0.9
90°-100°	5.4	0.4
100°-110°	3.7	0.3
110°-120°	2.2	0.2
120°-130°	1.2	0.1
130°-140°	0.6	0.0
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1229.1	98.9
0°-180°	1242.4	100.0



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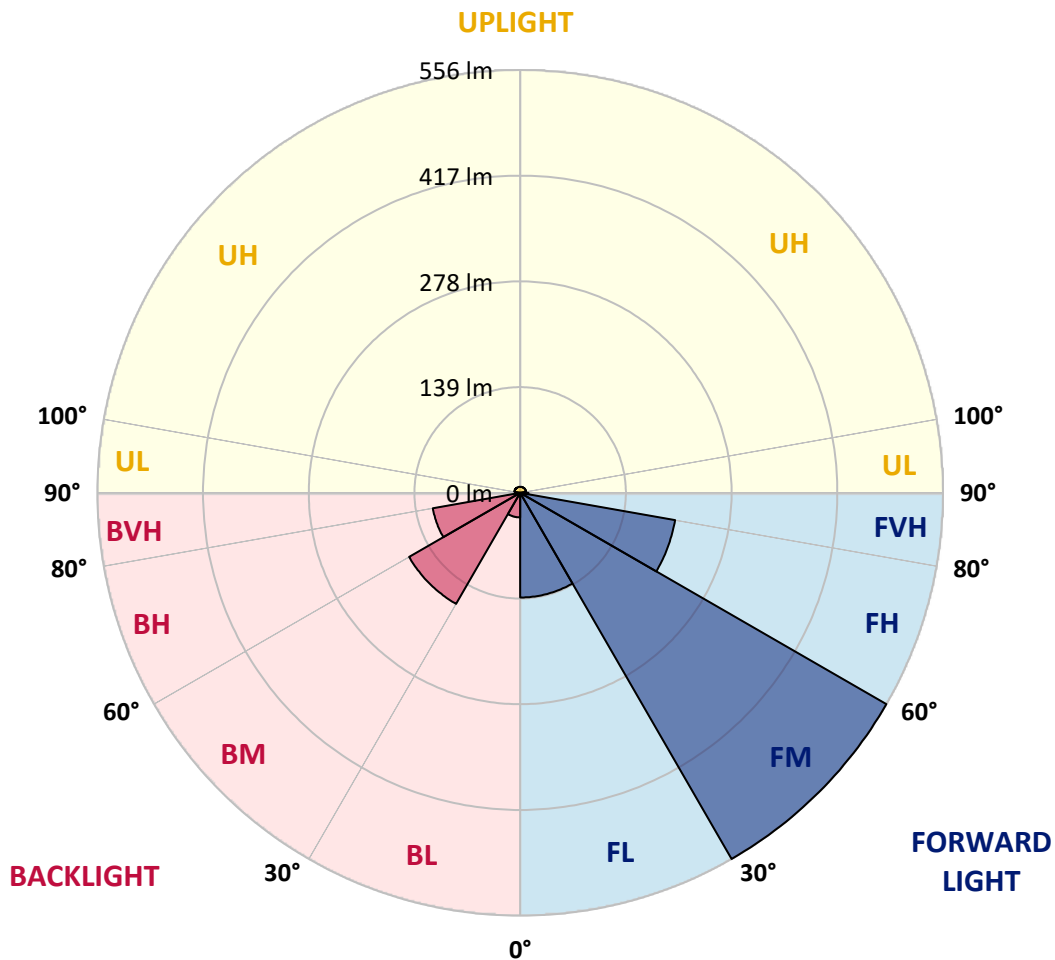
CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T2-DIM10-EDGE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.6	11.1			
FM (30°-60°)	555.8	44.7			
FH (60°-80°)	206.8	16.6			G0/660
FVH (80°-90°)	10.7	0.9			G1/100
BL (0°-30°)	32.3	2.6	B0/110		
BM (30°-60°)	168.6	13.6	B0/220		
BH (60°-80°)	116.6	9.4	B1/500		G1/500
BVH (80°-90°)	0.8	0.1			G0/10
UL (90°-100°)	5.4	0.4		U1/10	
UH (100°-180°)	7.9	0.6		U1/10	

BUG Rating: B1-U1-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
0°	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
2.5°	329.3	325.6	320.1	314.5	307.2	298.0	281.4	252.0	224.4	211.5	211.5
5°	316.4	321.9	327.4	332.9	338.5	329.3	314.5	283.3	253.8	213.4	211.5
7.5°	309.0	318.2	310.9	309.0	301.7	296.1	309.0	285.1	257.5	217.1	215.2
10°	314.5	318.2	320.1	316.4	316.4	301.7	283.3	285.1	257.5	220.7	217.1
12.5°	301.7	303.5	309.0	309.0	310.9	312.7	296.1	270.4	264.9	226.2	220.7
15°	305.3	309.0	303.5	309.0	305.3	307.2	307.2	268.6	264.9	235.4	224.4
17.5°	312.7	320.1	323.7	318.2	307.2	305.3	310.9	290.6	263.0	239.1	235.4
20°	342.1	342.1	344.0	340.3	334.8	318.2	310.9	303.5	268.6	248.3	246.5
22.5°	360.5	360.5	364.2	360.5	355.0	349.5	323.7	310.9	268.6	259.4	253.8
25°	382.6	382.6	386.3	388.1	375.2	369.7	351.3	325.6	294.3	270.4	266.7
27.5°	406.5	408.4	410.2	412.0	410.2	404.7	378.9	351.3	307.2	283.3	279.6
30°	428.6	426.7	439.6	437.8	437.8	428.6	412.0	377.1	329.3	292.5	294.3
32.5°	437.8	443.3	452.5	461.7	465.4	458.0	445.1	413.9	358.7	320.1	303.5
35°	452.5	447.0	469.1	476.4	472.7	481.9	474.6	441.5	390.0	332.9	327.4
37.5°	454.3	459.9	469.1	483.8	476.4	502.2	500.3	469.1	421.2	353.2	344.0
40°	456.2	458.0	470.9	480.1	498.5	515.0	527.9	500.3	465.4	393.6	371.6
42.5°	452.5	452.5	465.4	474.6	493.0	520.6	538.9	542.6	511.4	439.6	415.7
45°	443.3	448.8	450.7	461.7	483.8	522.4	551.8	572.1	564.7	513.2	483.8
47.5°	424.9	421.2	434.1	454.3	470.9	509.5	555.5	603.3	629.1	588.6	566.5
50°	399.2	402.8	410.2	428.6	439.6	489.3	553.7	630.9	689.8	634.6	623.6
52.5°	366.0	369.7	378.9	401.0	412.0	467.2	553.7	673.2	754.2	710.0	691.6
55°	327.4	305.3	327.4	353.2	377.1	423.1	531.6	675.1	805.7	772.6	761.5
57.5°	250.2	246.5	255.7	290.6	325.6	371.6	480.1	653.0	829.6	838.8	822.2
60°	204.2	193.1	200.5	222.6	255.7	310.9	395.5	596.0	818.5	853.5	851.6
62.5°	156.4	156.4	163.7	169.2	191.3	241.0	312.7	494.8	759.7	840.6	848.0
65°	123.2	121.4	126.9	134.3	145.3	163.7	220.7	390.0	682.4	798.3	809.3
67.5°	93.8	93.8	97.5	104.8	114.0	121.4	143.5	266.7	597.8	708.2	722.9
70°	75.4	73.6	75.4	84.6	101.2	110.4	110.4	171.1	474.6	550.0	581.3
72.5°	68.1	64.4	64.4	66.2	79.1	101.2	115.9	104.8	298.0	364.2	384.4
75°	53.3	49.7	51.5	53.3	60.7	71.7	103.0	68.1	165.5	204.2	213.4
77.5°	34.9	34.9	34.9	34.9	38.6	46.0	75.4	62.5	95.6	92.0	88.3
80°	27.6	27.6	27.6	27.6	25.8	29.4	40.5	68.1	64.4	25.8	20.2
82.5°	23.9	23.9	23.9	22.1	22.1	20.2	23.9	47.8	40.5	12.9	11.0
85°	20.2	20.2	20.2	20.2	18.4	16.6	14.7	18.4	12.9	5.5	3.7
87.5°	18.4	18.4	18.4	16.6	16.6	12.9	11.0	7.4	5.5	1.8	1.8
90°	18.4	16.6	16.6	16.6	14.7	12.9	9.2	7.4	3.7	1.8	0.0
92.5°	16.6	16.6	16.6	14.7	14.7	11.0	9.2	7.4	3.7	0.0	0.0
95°	16.6	16.6	14.7	14.7	12.9	11.0	9.2	5.5	3.7	0.0	0.0
97.5°	14.7	14.7	14.7	14.7	12.9	11.0	9.2	5.5	3.7	0.0	0.0
100°	12.9	12.9	12.9	12.9	11.0	9.2	7.4	5.5	3.7	0.0	0.0
102.5°	12.9	12.9	12.9	11.0	11.0	9.2	7.4	5.5	1.8	0.0	0.0
105°	11.0	11.0	11.0	11.0	9.2	7.4	5.5	3.7	1.8	0.0	0.0
107.5°	9.2	9.2	9.2	9.2	9.2	7.4	5.5	3.7	1.8	0.0	0.0
110°	9.2	9.2	9.2	9.2	7.4	5.5	5.5	3.7	1.8	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	87.5°
112.5°	7.4	7.4	7.4	7.4	7.4	5.5	3.7	3.7	1.8	0.0	0.0
115°	7.4	7.4	7.4	5.5	5.5	5.5	3.7	3.7	1.8	0.0	0.0
117.5°	5.5	5.5	5.5	5.5	5.5	3.7	3.7	1.8	1.8	0.0	0.0
120°	5.5	5.5	5.5	5.5	5.5	3.7	3.7	1.8	1.8	0.0	0.0
122.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	1.8	1.8	0.0	0.0
125°	3.7	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8	0.0	0.0
127.5°	3.7	3.7	3.7	3.7	3.7	1.8	1.8	1.8	1.8	0.0	0.0
130°	1.8	1.8	3.7	3.7	3.7	1.8	1.8	1.8	1.8	0.0	0.0
132.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
135°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
137.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0
140°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	1.8	1.8	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°	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
2.5°	209.7	209.7	207.9	195.0	125.1	97.5	90.1	84.6	80.9	71.7	71.7
5°	204.2	209.7	180.3	119.6	73.6	29.4	1.8	0.0	0.0	0.0	0.0
7.5°	209.7	211.5	167.4	114.0	66.2	27.6	1.8	0.0	0.0	0.0	0.0
10°	217.1	215.2	171.1	115.9	69.9	27.6	1.8	0.0	0.0	0.0	0.0
12.5°	217.1	218.9	172.9	115.9	75.4	27.6	1.8	0.0	0.0	0.0	0.0
15°	228.1	226.2	176.6	117.7	77.3	27.6	1.8	0.0	0.0	0.0	0.0
17.5°	235.4	231.8	182.1	121.4	77.3	27.6	1.8	0.0	0.0	0.0	0.0
20°	242.8	241.0	180.3	126.9	79.1	29.4	1.8	0.0	0.0	0.0	0.0
22.5°	253.8	248.3	191.3	130.6	82.8	29.4	1.8	0.0	0.0	0.0	0.0
25°	263.0	261.2	195.0	136.1	80.9	31.3	1.8	0.0	0.0	0.0	0.0
27.5°	270.4	272.2	213.4	143.5	95.6	33.1	0.0	0.0	0.0	0.0	0.0
30°	288.8	285.1	226.2	150.8	101.2	34.9	0.0	0.0	0.0	0.0	0.0
32.5°	303.5	301.7	237.3	161.9	108.5	36.8	0.0	0.0	0.0	0.0	0.0
35°	323.7	321.9	253.8	171.1	115.9	36.8	0.0	0.0	0.0	0.0	0.0
37.5°	338.5	332.9	266.7	183.9	123.2	40.5	0.0	0.0	0.0	0.0	0.0
40°	364.2	351.3	279.6	191.3	110.4	22.1	0.0	0.0	0.0	0.0	0.0
42.5°	406.5	388.1	298.0	202.3	134.3	42.3	0.0	0.0	0.0	0.0	0.0
45°	458.0	443.3	323.7	213.4	119.6	44.1	0.0	0.0	0.0	0.0	0.0
47.5°	529.8	509.5	358.7	222.6	141.6	44.1	0.0	0.0	0.0	0.0	0.0
50°	608.8	575.7	413.9	239.1	149.0	42.3	0.0	0.0	0.0	0.0	0.0
52.5°	680.6	647.5	476.4	272.2	156.4	40.5	0.0	0.0	0.0	0.0	0.0
55°	743.1	708.2	538.9	298.0	158.2	38.6	0.0	0.0	0.0	0.0	0.0
57.5°	798.3	774.4	586.8	336.6	161.9	34.9	0.0	0.0	0.0	0.0	0.0
60°	842.5	792.8	588.6	331.1	154.5	33.1	0.0	0.0	0.0	0.0	0.0
62.5°	846.1	798.3	573.9	305.3	136.1	27.6	0.0	0.0	0.0	0.0	0.0
65°	790.9	765.2	538.9	257.5	106.7	20.2	0.0	0.0	0.0	0.0	0.0
67.5°	728.4	710.0	481.9	202.3	75.4	14.7	0.0	0.0	0.0	0.0	0.0
70°	583.1	566.5	384.4	141.6	44.1	7.4	0.0	0.0	0.0	0.0	0.0
72.5°	375.2	371.6	241.0	80.9	20.2	3.7	0.0	0.0	0.0	0.0	0.0
75°	206.0	198.7	110.4	34.9	9.2	1.8	0.0	0.0	0.0	0.0	0.0
77.5°	77.3	71.7	38.6	14.7	5.5	1.8	0.0	0.0	0.0	0.0	0.0
80°	20.2	18.4	14.7	9.2	3.7	1.8	0.0	0.0	0.0	0.0	0.0
82.5°	9.2	9.2	7.4	5.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.7	3.7	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: P394716

CATALOG NUMBER: 303-B1-LEDB2-3000-UNV-T2-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)