

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: STREETWORKS

Report Number: P560286

Luminaire Tested: **SDL-PA1-30-830-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-830-U-5WQ-A
Description: Springdale
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2913.1 lumens
Efficiency: N/A
Efficacy: 96.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 30.1
Input Voltage (V): NR
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: 24 FT

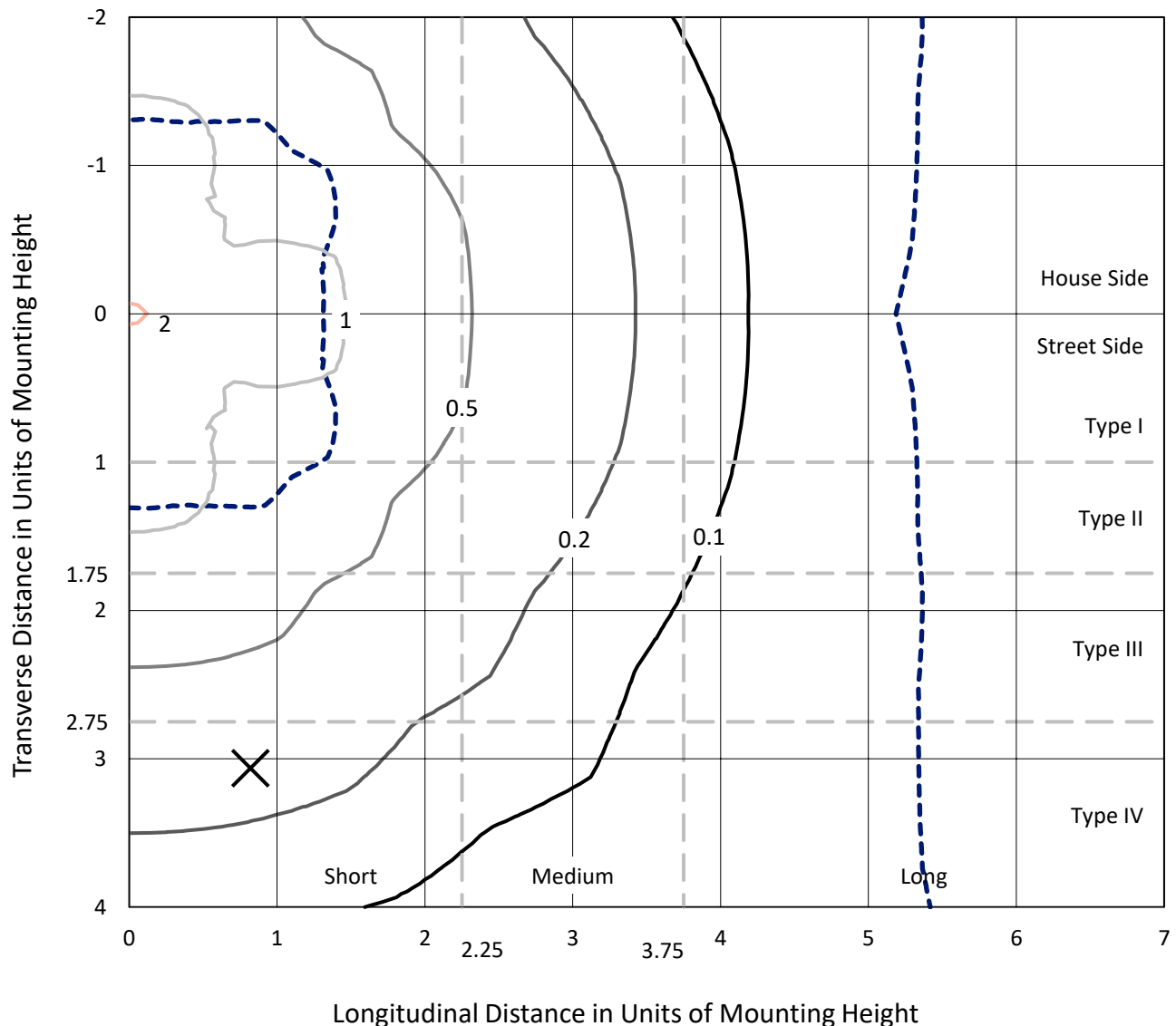


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

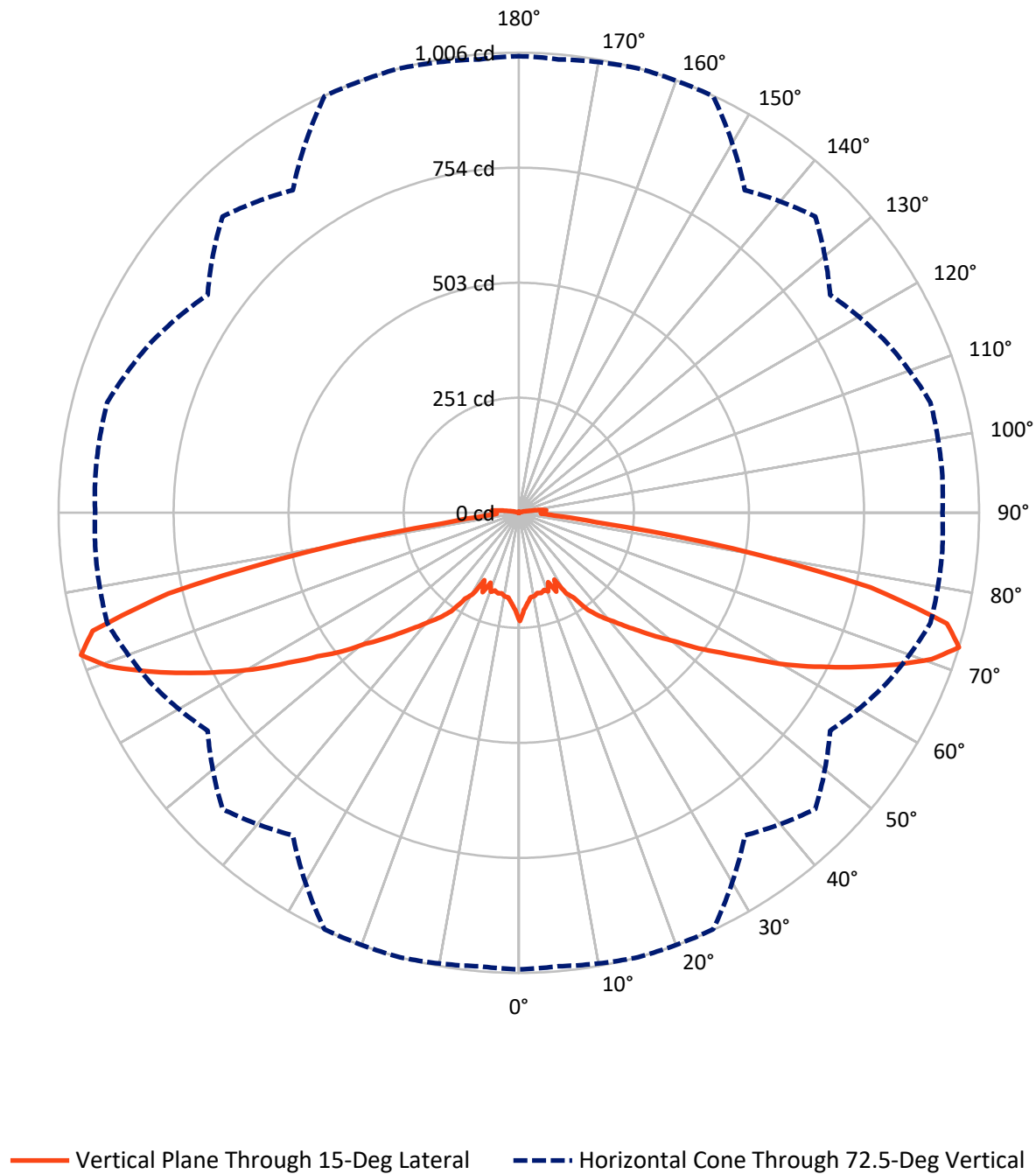


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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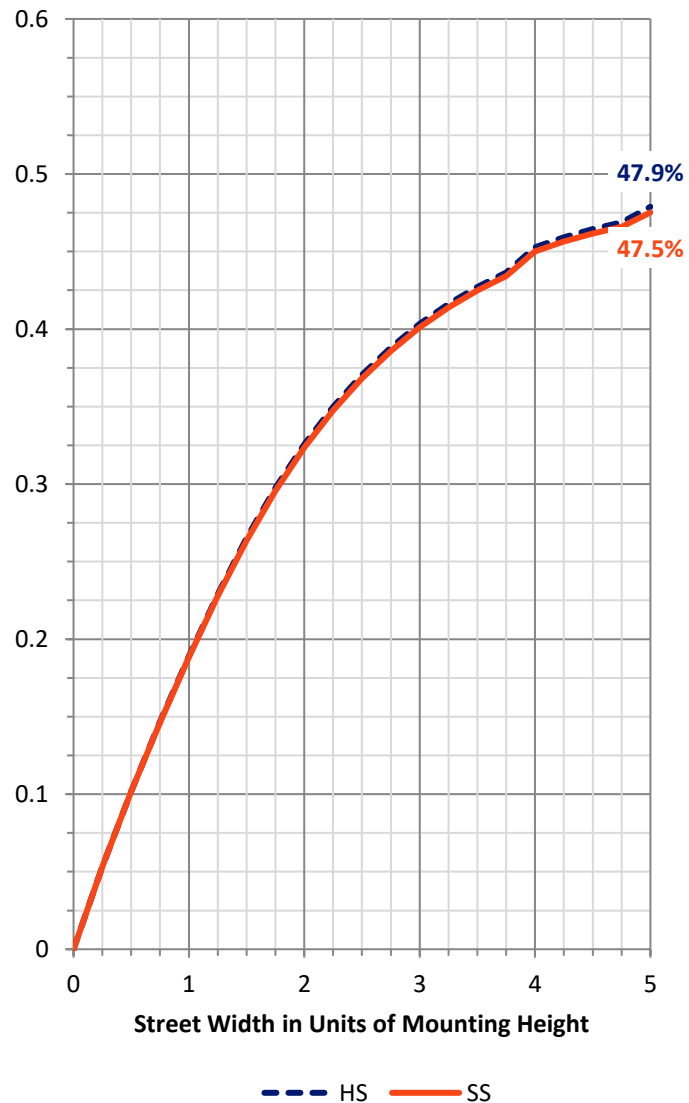
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1412.3	44.2	1456.5
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	1412.3	44.2	1456.5
	% Fixture	48.5	1.5	50.0
Total	Lumens	2824.6	88.5	2913.1
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.7	0.6
10°-20°	43.0	1.5
20°-30°	75.5	2.6
30°-40°	145.7	5.0
40°-50°	253.2	8.7
50°-60°	446.2	15.3
60°-70°	753.8	25.9
70°-80°	886.1	30.4
80°-90°	202.5	7.0
90°-100°	66.8	2.3
100°-110°	15.8	0.5
110°-120°	2.5	0.1
120°-130°	2.0	0.1
130°-140°	0.8	0.0
140°-150°	0.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2824.6	97.0
0°-180°	2913.1	100.0

Coefficient of Utilization



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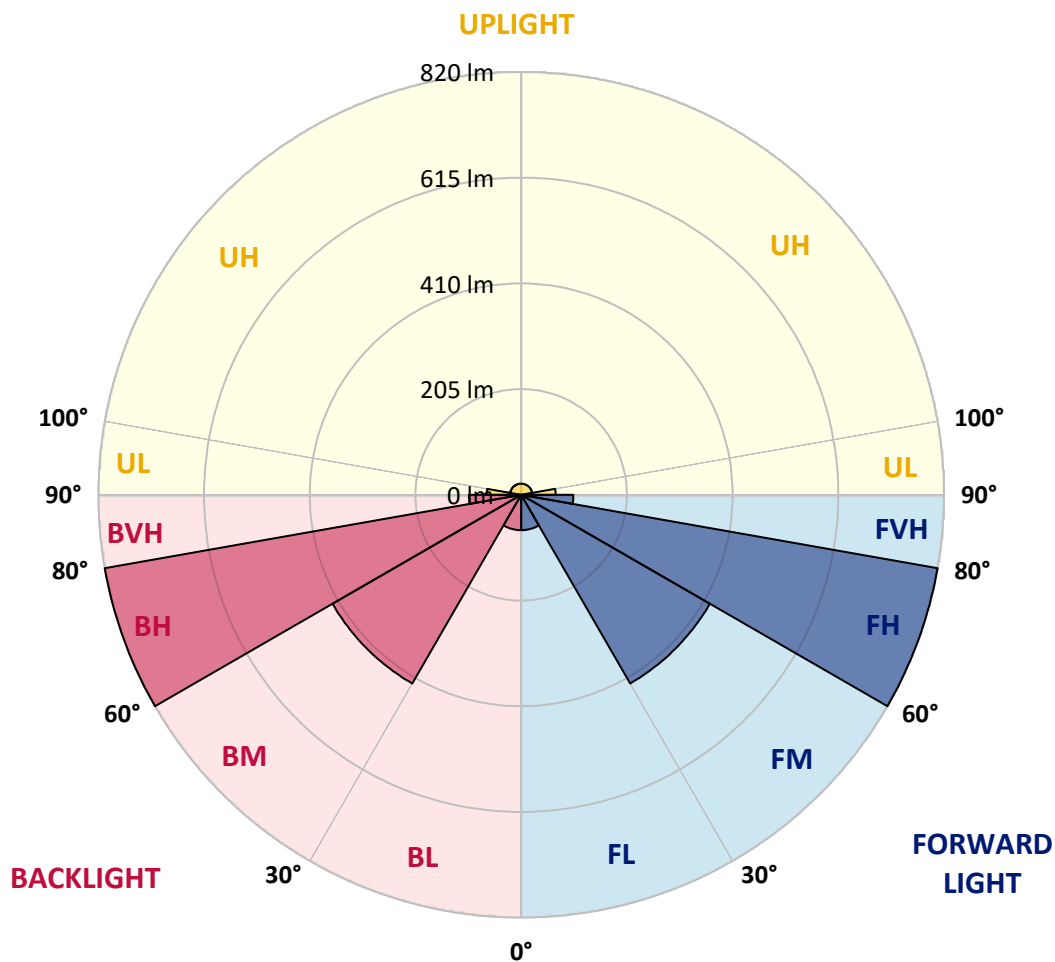
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	68.6	2.4			
FM	(30°-60°)	422.5	14.5			
FH	(60°-80°)	820.0	28.1			G1/1800
FVH	(80°-90°)	101.3	3.5			G2/225
BL	(0°-30°)	68.6	2.4	B0/110		
BM	(30°-60°)	422.5	14.5	B1/1000		
BH	(60°-80°)	820.0	28.1	B2/1000		G1/1800
BVH	(80°-90°)	101.3	3.5			G2/225
UL	(90°-100°)	66.8	2.3		U3/500	
UH	(100°-180°)	21.6	0.7		U2/50	

BUG Rating: B2-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9	236.9
2.5°	209.4	213.8	212.7	220.4	227.0	229.2	233.6	233.6	234.7	234.7	234.7
5°	198.5	198.5	198.5	198.5	198.5	197.4	201.8	221.5	228.1	229.2	228.1
7.5°	172.2	177.6	186.4	189.7	193.0	191.9	189.7	177.6	196.3	198.5	199.6
10°	185.3	185.3	185.3	183.1	174.3	166.7	157.9	149.1	152.4	172.2	172.2
12.5°	164.5	163.4	179.8	182.0	165.6	144.7	138.2	141.5	131.6	150.2	150.2
15°	185.3	185.3	182.0	171.1	137.1	144.7	122.8	123.9	140.4	162.3	162.3
17.5°	157.9	159.0	177.6	166.7	149.1	116.2	136.0	122.8	126.1	138.2	139.3
20°	188.6	188.6	183.1	142.5	140.4	144.7	125.0	121.7	140.4	162.3	163.4
22.5°	162.3	162.3	164.5	165.6	144.7	142.5	125.0	141.5	132.7	132.7	148.0
25°	196.3	196.3	190.8	151.3	159.0	138.2	144.7	132.7	162.3	178.7	178.7
27.5°	172.2	172.2	165.6	172.2	153.5	164.5	144.7	156.8	174.3	210.5	212.7
30°	209.4	209.4	204.0	171.1	170.0	160.1	161.2	182.0	224.8	247.8	247.8
32.5°	254.4	255.5	221.5	196.3	172.2	184.2	175.4	207.2	234.7	258.8	259.9
35°	273.0	273.0	261.0	228.1	187.5	194.1	190.8	219.3	252.2	271.9	271.9
37.5°	295.0	295.0	286.2	244.5	206.1	214.9	199.6	235.8	271.9	289.5	287.3
40°	318.0	314.7	309.2	262.1	225.9	228.1	214.9	253.3	290.6	308.1	308.1
42.5°	346.5	346.5	336.6	291.7	245.6	248.9	229.2	275.2	318.0	338.8	339.9
45°	378.3	377.2	367.3	324.6	269.7	275.2	253.3	304.8	352.0	371.7	373.9
47.5°	415.6	415.6	403.5	359.7	300.4	305.9	280.7	334.4	393.7	411.2	413.4
50°	455.1	451.8	440.8	400.2	341.0	338.8	311.4	367.3	437.5	449.6	454.0
52.5°	501.1	496.7	492.3	446.3	386.0	387.1	350.9	402.4	488.0	494.5	496.7
55°	547.2	543.9	540.6	503.3	435.3	441.9	403.5	450.7	538.4	542.8	547.2
57.5°	598.7	602.0	602.0	566.9	491.2	507.7	460.5	511.0	598.7	595.4	594.3
60°	673.3	666.7	674.4	642.6	568.0	581.2	530.7	584.5	656.8	643.7	640.4
62.5°	733.6	732.5	741.3	727.0	639.3	672.2	599.8	654.6	711.6	700.7	701.8
65°	802.7	801.6	812.5	805.9	713.8	755.5	675.5	733.6	777.4	765.4	763.2
67.5°	869.5	872.8	886.0	894.8	774.2	827.9	747.8	808.1	842.1	822.4	824.6
70°	951.8	946.3	957.3	958.4	823.5	880.5	803.8	855.3	897.0	883.8	881.6
72.5°	997.8	994.6	1005.5	1004.4	860.8	915.6	830.1	884.9	931.0	928.8	925.5
75°	947.4	951.8	966.0	985.8	863.0	935.3	826.8	865.2	901.3	889.3	886.0
77.5°	743.4	752.2	786.2	849.8	804.9	927.7	768.7	758.8	766.5	752.2	743.4
80°	394.8	402.4	474.8	583.4	645.9	805.9	645.9	551.6	470.4	412.3	363.0
82.5°	126.1	136.0	170.0	268.6	407.9	561.4	373.9	211.6	145.8	125.0	117.3
85°	69.1	71.3	76.8	104.2	143.6	227.0	152.4	89.9	79.0	75.7	74.6
87.5°	58.1	59.2	48.2	59.2	69.1	71.3	69.1	49.3	50.4	55.9	54.8
90°	61.4	61.4	49.3	58.1	69.1	70.2	69.1	51.5	50.4	59.2	58.1
92.5°	66.9	66.9	55.9	62.5	76.8	74.6	74.6	53.7	55.9	63.6	63.6
95°	71.3	70.2	60.3	63.6	81.1	83.3	81.1	57.0	60.3	69.1	69.1
97.5°	52.6	50.4	43.9	57.0	76.8	87.7	81.1	53.7	47.2	52.6	51.5
100°	25.2	24.1	23.0	42.8	60.3	66.9	58.1	38.4	20.8	13.2	13.2
102.5°	5.5	5.5	15.4	29.6	35.1	35.1	31.8	26.3	13.2	4.4	4.4
105°	4.4	5.5	11.0	16.4	17.5	9.9	15.4	16.4	7.7	4.4	4.4
107.5°	4.4	5.5	4.4	5.5	5.5	4.4	5.5	6.6	3.3	4.4	4.4
110°	5.5	5.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	5.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.5	5.5	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.4	5.5
115°	4.4	4.4	2.2	2.2	2.2	2.2	1.1	2.2	2.2	4.4	4.4
117.5°	4.4	4.4	2.2	1.1	1.1	1.1	1.1	2.2	2.2	4.4	5.5
120°	5.5	4.4	2.2	1.1	1.1	1.1	1.1	1.1	3.3	5.5	5.5
122.5°	5.5	5.5	2.2	1.1	1.1	1.1	1.1	1.1	3.3	5.5	6.6
125°	5.5	4.4	2.2	1.1	1.1	1.1	1.1	1.1	2.2	5.5	5.5
127.5°	4.4	4.4	2.2	1.1	1.1	1.1	1.1	1.1	2.2	4.4	5.5
130°	4.4	4.4	2.2	1.1	1.1	1.1	1.1	1.1	2.2	4.4	4.4
132.5°	3.3	3.3	2.2	1.1	1.1	0.0	1.1	1.1	2.2	3.3	3.3
135°	2.2	2.2	1.1	0.0	1.1	0.0	1.1	0.0	1.1	2.2	3.3
137.5°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
140°	0.0	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1
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	1.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	1.1	0.0	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1
150°	1.1	1.1	2.2	1.1	1.1	0.0	1.1	1.1	0.0	0.0	1.1
152.5°	2.2	2.2	2.2	1.1	0.0	0.0	1.1	1.1	1.1	1.1	1.1
155°	1.1	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	2.2	2.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
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)