

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: P559956

Luminaire Tested: **SDL-PA1-20-722-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559956
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-PA1-20-722-U-5WQ-A
Description: Springdale
(1) 70 CRI, 2200K, 260mA 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: 1953.2 lumens
Efficiency: N/A
Efficacy: 93.0 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 - U2 - G1

Input Watts (W): 21
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

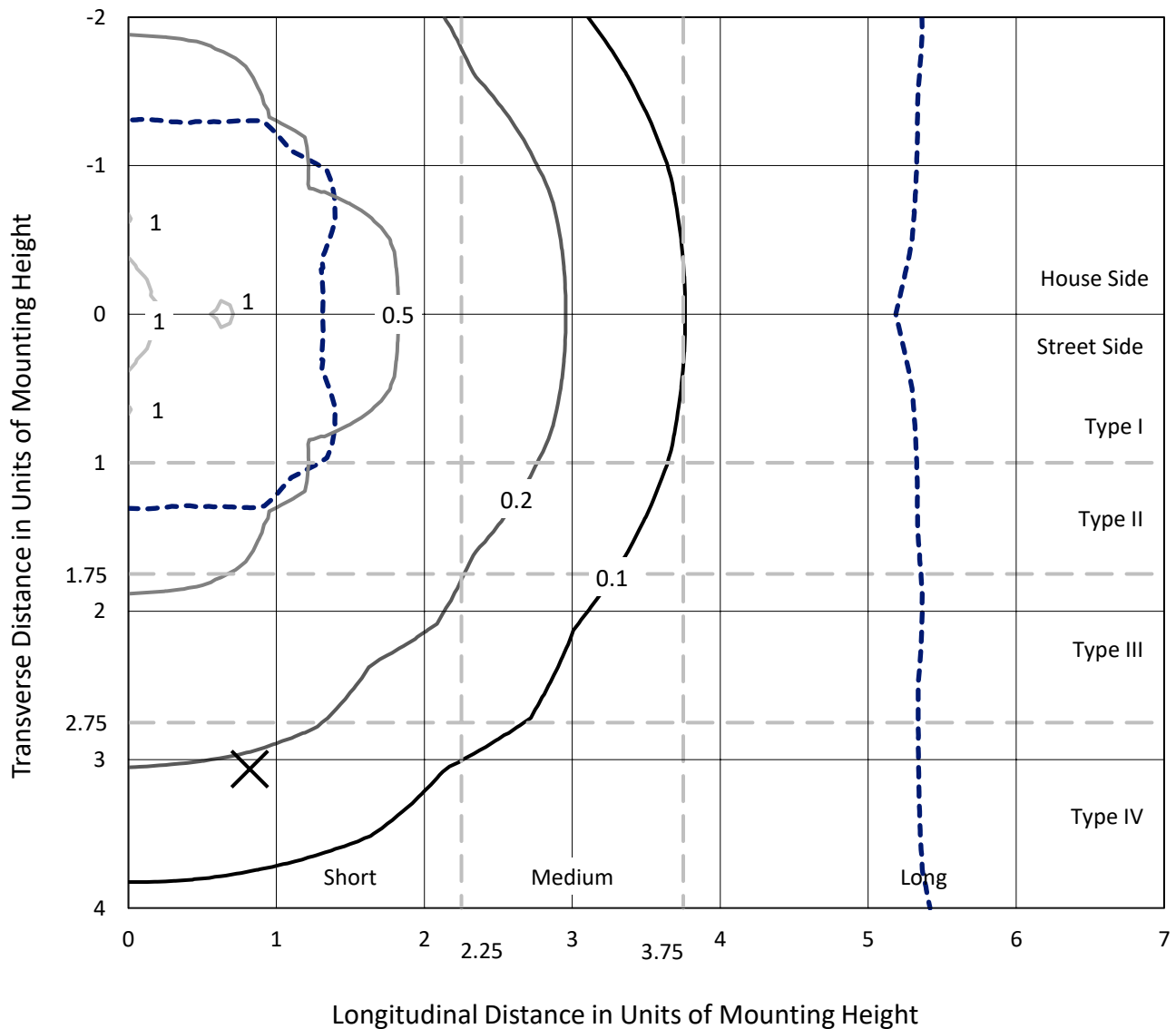


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

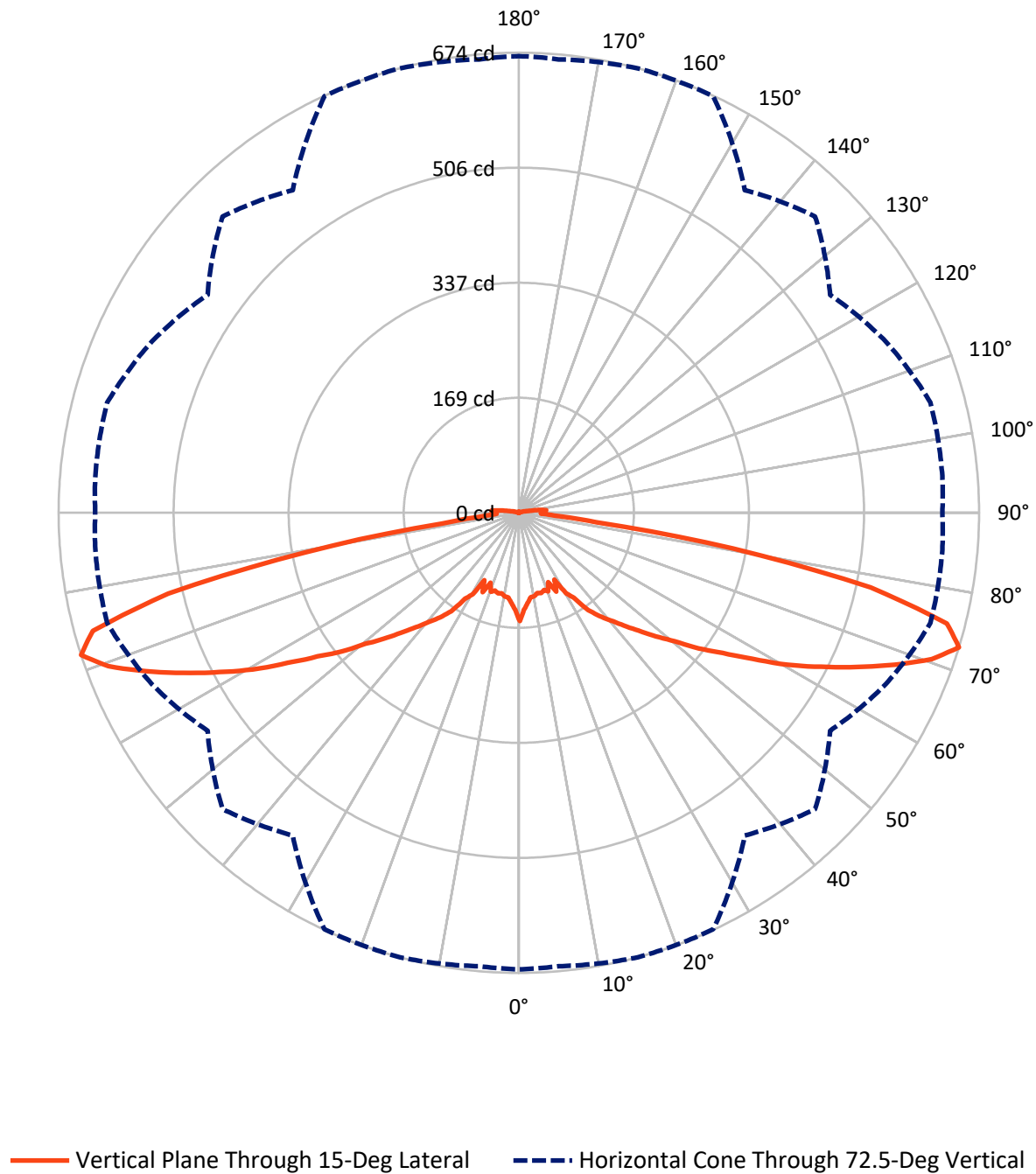


Based on 10 foot mounting height. Maximum calculated value = 1.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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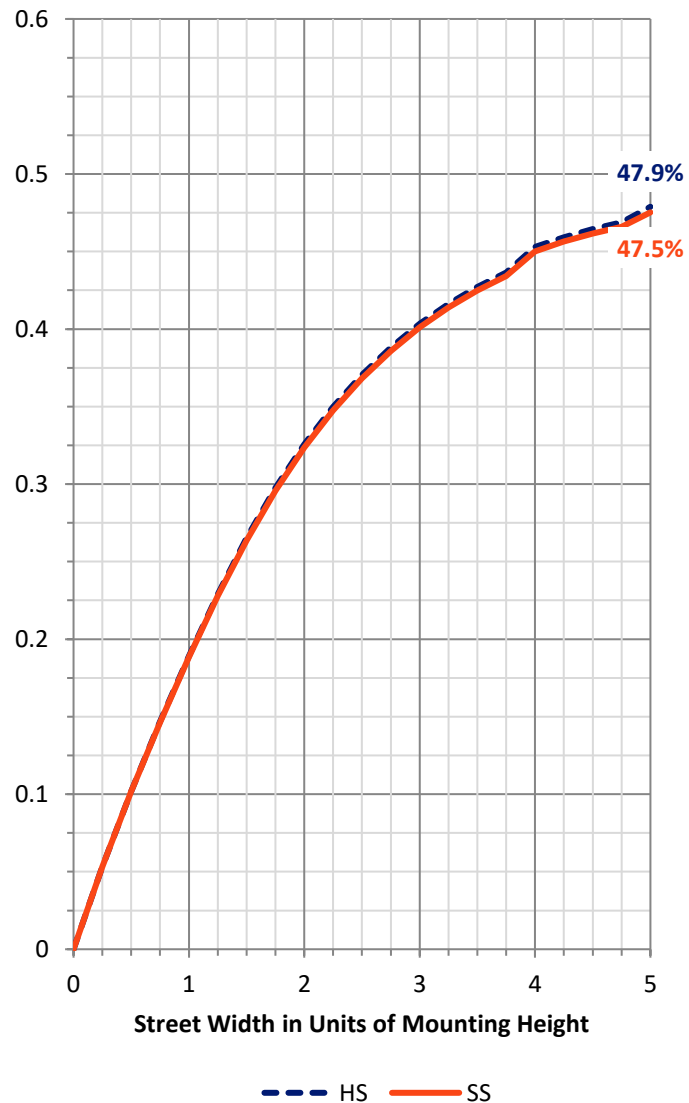
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	947.0	29.6	976.6
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	947.0	29.6	976.6
	% Fixture	48.5	1.5	50.0
Total	Lumens	1893.9	59.3	1953.2
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.5	0.6
10°-20°	28.8	1.5
20°-30°	50.6	2.6
30°-40°	97.7	5.0
40°-50°	169.8	8.7
50°-60°	299.2	15.3
60°-70°	505.4	25.9
70°-80°	594.2	30.4
80°-90°	135.8	7.0
90°-100°	44.8	2.3
100°-110°	10.6	0.5
110°-120°	1.7	0.1
120°-130°	1.3	0.1
130°-140°	0.5	0.0
140°-150°	0.1	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1893.9	97.0
0°-180°	1953.2	100.0



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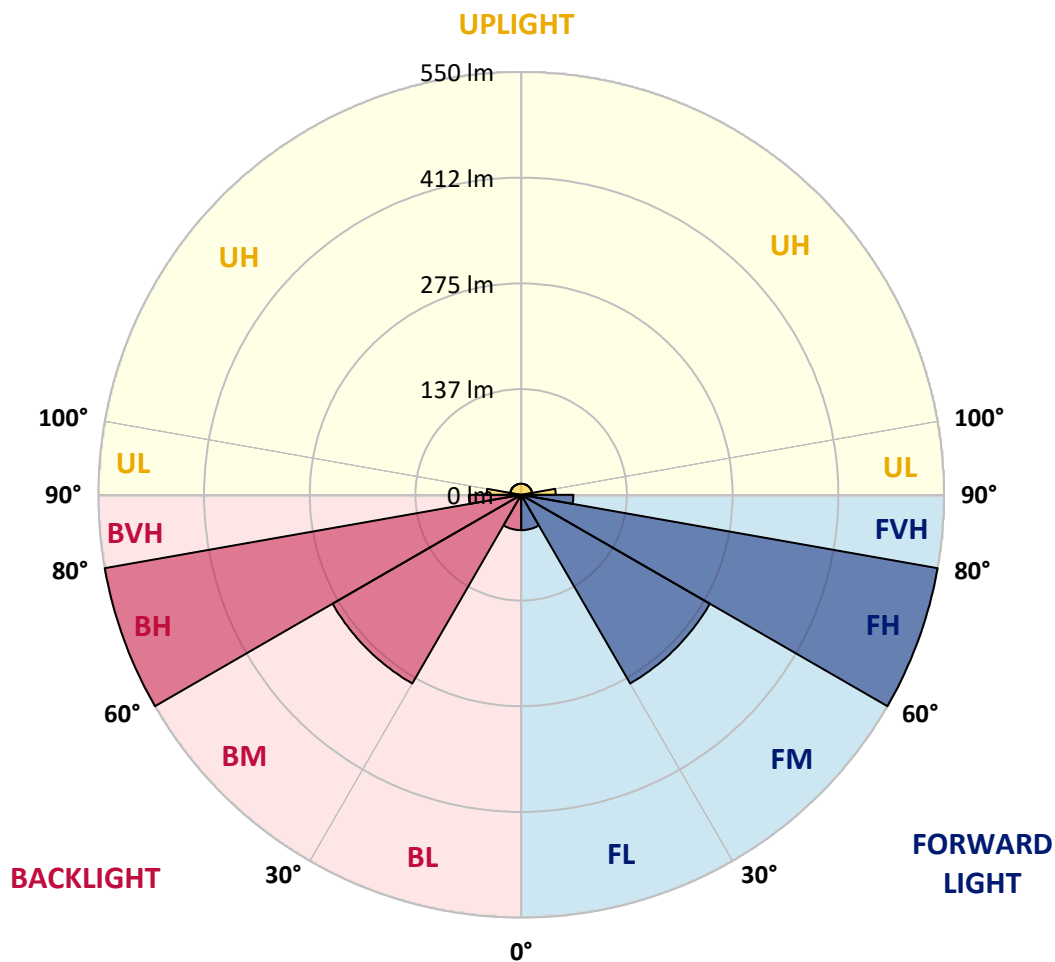
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	46.0	2.4			
FM	(30°-60°)	283.3	14.5			
FH	(60°-80°)	549.8	28.1			G0/660
FVH	(80°-90°)	67.9	3.5			G1/100
BL	(0°-30°)	46.0	2.4	B0/110		
BM	(30°-60°)	283.3	14.5	B1/1000		
BH	(60°-80°)	549.8	28.1	B2/1000		G0/660
BVH	(80°-90°)	67.9	3.5			G1/100
UL	(90°-100°)	44.8	2.3		U2/50	
UH	(100°-180°)	14.5	0.7		U2/50	

BUG Rating: B2-U2-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8	158.8
2.5°	140.4	143.4	142.6	147.8	152.2	153.7	156.6	156.6	157.3	157.3	157.3
5°	133.1	133.1	133.1	133.1	133.1	132.3	135.3	148.5	152.9	153.7	152.9
7.5°	115.4	119.1	125.0	127.2	129.4	128.7	127.2	119.1	131.6	133.1	133.8
10°	124.3	124.3	124.3	122.8	116.9	111.8	105.9	100.0	102.2	115.4	115.4
12.5°	110.3	109.5	120.6	122.0	111.0	97.1	92.6	94.8	88.2	100.7	100.7
15°	124.3	124.3	122.0	114.7	91.9	97.1	82.3	83.1	94.1	108.8	108.8
17.5°	105.9	106.6	119.1	111.8	100.0	77.9	91.2	82.3	84.6	92.6	93.4
20°	126.5	126.5	122.8	95.6	94.1	97.1	83.8	81.6	94.1	108.8	109.5
22.5°	108.8	108.8	110.3	111.0	97.1	95.6	83.8	94.8	89.0	89.0	99.3
25°	131.6	131.6	127.9	101.5	106.6	92.6	97.1	89.0	108.8	119.8	119.8
27.5°	115.4	115.4	111.0	115.4	102.9	110.3	97.1	105.1	116.9	141.2	142.6
30°	140.4	140.4	136.8	114.7	114.0	107.3	108.1	122.0	150.7	166.2	166.2
32.5°	170.6	171.3	148.5	131.6	115.4	123.5	117.6	139.0	157.3	173.5	174.2
35°	183.1	183.1	175.0	152.9	125.7	130.1	127.9	147.0	169.1	182.3	182.3
37.5°	197.8	197.8	191.9	164.0	138.2	144.1	133.8	158.1	182.3	194.1	192.6
40°	213.2	211.0	207.3	175.7	151.5	152.9	144.1	169.8	194.8	206.6	206.6
42.5°	232.3	232.3	225.7	195.6	164.7	166.9	153.7	184.5	213.2	227.2	227.9
45°	253.7	252.9	246.3	217.6	180.9	184.5	169.8	204.4	236.0	249.2	250.7
47.5°	278.7	278.7	270.6	241.2	201.5	205.1	188.2	224.2	263.9	275.7	277.2
50°	305.1	302.9	295.6	268.4	228.7	227.2	208.8	246.3	293.4	301.4	304.4
52.5°	336.0	333.1	330.1	299.2	258.8	259.5	235.3	269.8	327.2	331.6	333.1
55°	366.9	364.7	362.5	337.5	291.9	296.3	270.6	302.2	361.0	363.9	366.9
57.5°	401.4	403.6	403.6	380.1	329.4	340.4	308.8	342.6	401.4	399.2	398.5
60°	451.4	447.0	452.2	430.8	380.8	389.7	355.9	391.9	440.4	431.6	429.4
62.5°	491.9	491.1	497.0	487.5	428.6	450.7	402.2	438.9	477.2	469.8	470.5
65°	538.2	537.5	544.8	540.4	478.6	506.6	452.9	491.9	521.3	513.2	511.7
67.5°	583.0	585.2	594.1	599.9	519.1	555.1	501.4	541.9	564.7	551.4	552.9
70°	638.2	634.5	641.9	642.6	552.2	590.4	538.9	573.5	601.4	592.6	591.1
72.5°	669.1	666.9	674.2	673.5	577.2	613.9	556.6	593.3	624.2	622.7	620.5
75°	635.2	638.2	647.7	661.0	578.6	627.1	554.4	580.1	604.4	596.3	594.1
77.5°	498.5	504.4	527.2	569.8	539.7	622.0	515.4	508.8	513.9	504.4	498.5
80°	264.7	269.8	318.4	391.1	433.0	540.4	433.0	369.8	315.4	276.4	243.4
82.5°	84.6	91.2	114.0	180.1	273.5	376.4	250.7	141.9	97.8	83.8	78.7
85°	46.3	47.8	51.5	69.8	96.3	152.2	102.2	60.3	52.9	50.7	50.0
87.5°	39.0	39.7	32.4	39.7	46.3	47.8	46.3	33.1	33.8	37.5	36.8
90°	41.2	41.2	33.1	39.0	46.3	47.1	46.3	34.6	33.8	39.7	39.0
92.5°	44.8	44.8	37.5	41.9	51.5	50.0	50.0	36.0	37.5	42.6	42.6
95°	47.8	47.1	40.4	42.6	54.4	55.9	54.4	38.2	40.4	46.3	46.3
97.5°	35.3	33.8	29.4	38.2	51.5	58.8	54.4	36.0	31.6	35.3	34.6
100°	16.9	16.2	15.4	28.7	40.4	44.8	39.0	25.7	14.0	8.8	8.8
102.5°	3.7	3.7	10.3	19.9	23.5	23.5	21.3	17.6	8.8	2.9	2.9
105°	2.9	3.7	7.4	11.0	11.8	6.6	10.3	11.0	5.1	2.9	2.9
107.5°	2.9	3.7	2.9	3.7	3.7	2.9	3.7	4.4	2.2	2.9	2.9
110°	3.7	3.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	3.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	3.7	3.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.9	3.7
115°	2.9	2.9	1.5	1.5	1.5	1.5	0.7	1.5	1.5	2.9	2.9
117.5°	2.9	2.9	1.5	0.7	0.7	0.7	0.7	1.5	1.5	2.9	3.7
120°	3.7	2.9	1.5	0.7	0.7	0.7	0.7	0.7	2.2	3.7	3.7
122.5°	3.7	3.7	1.5	0.7	0.7	0.7	0.7	0.7	2.2	3.7	4.4
125°	3.7	2.9	1.5	0.7	0.7	0.7	0.7	0.7	1.5	3.7	3.7
127.5°	2.9	2.9	1.5	0.7	0.7	0.7	0.7	0.7	1.5	2.9	3.7
130°	2.9	2.9	1.5	0.7	0.7	0.7	0.7	0.7	1.5	2.9	2.9
132.5°	2.2	2.2	1.5	0.7	0.7	0.0	0.7	0.7	1.5	2.2	2.2
135°	1.5	1.5	0.7	0.0	0.7	0.0	0.7	0.0	0.7	1.5	2.2
137.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
140°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
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	0.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.7	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7
150°	0.7	0.7	1.5	0.7	0.7	0.0	0.7	0.7	0.0	0.0	0.7
152.5°	1.5	1.5	1.5	0.7	0.0	0.0	0.7	0.7	0.7	0.7	0.7
155°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.7	0.7	1.5	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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)