

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: P560154

Luminaire Tested: **SDL-PA1-30-727-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560154
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-PA1-30-727-U-5WQ-A
Description: Springdale
(1) 70 CRI, 2700K, 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: 3065.9 lumens
Efficiency: N/A
Efficacy: 101.9 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

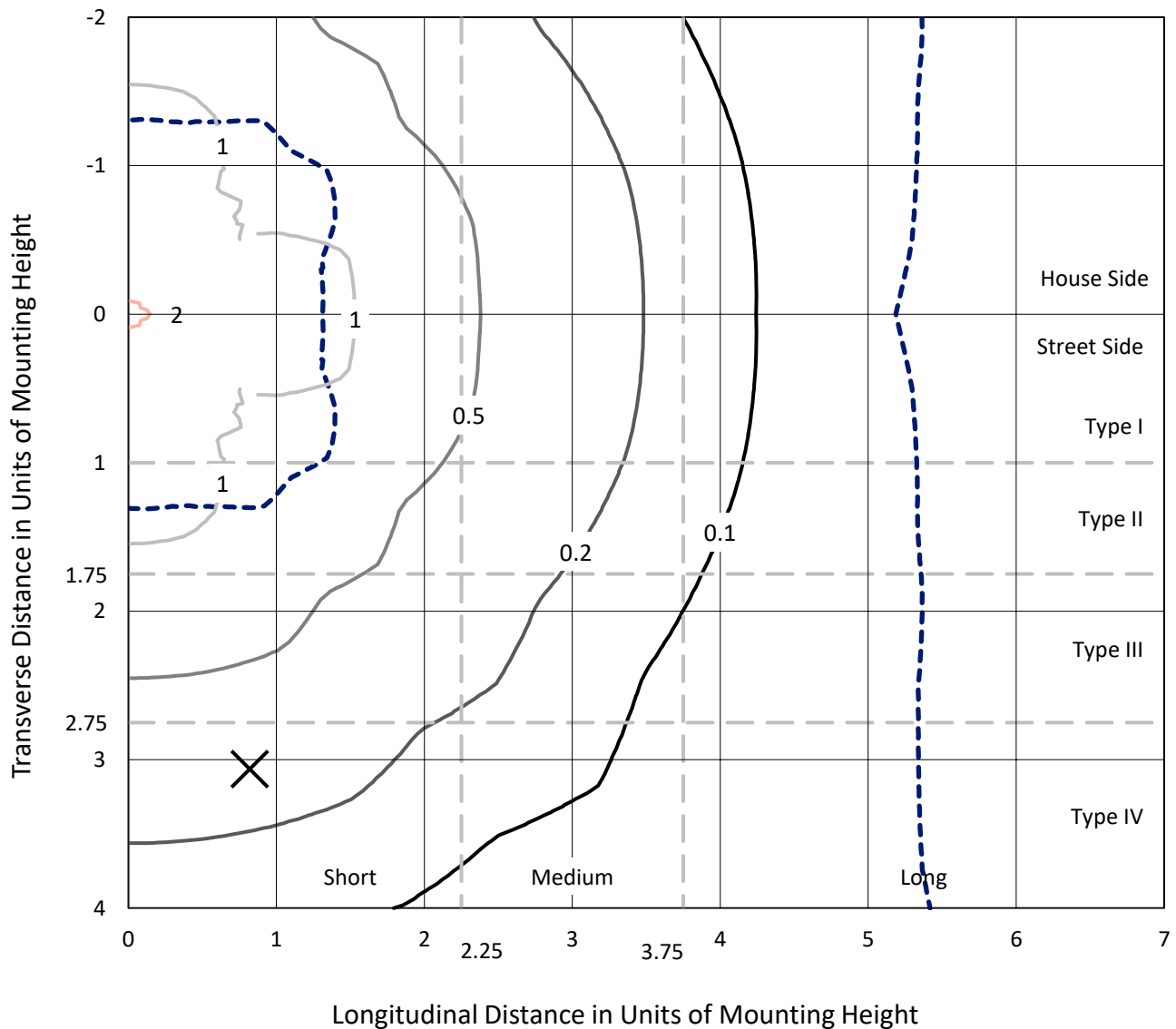


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

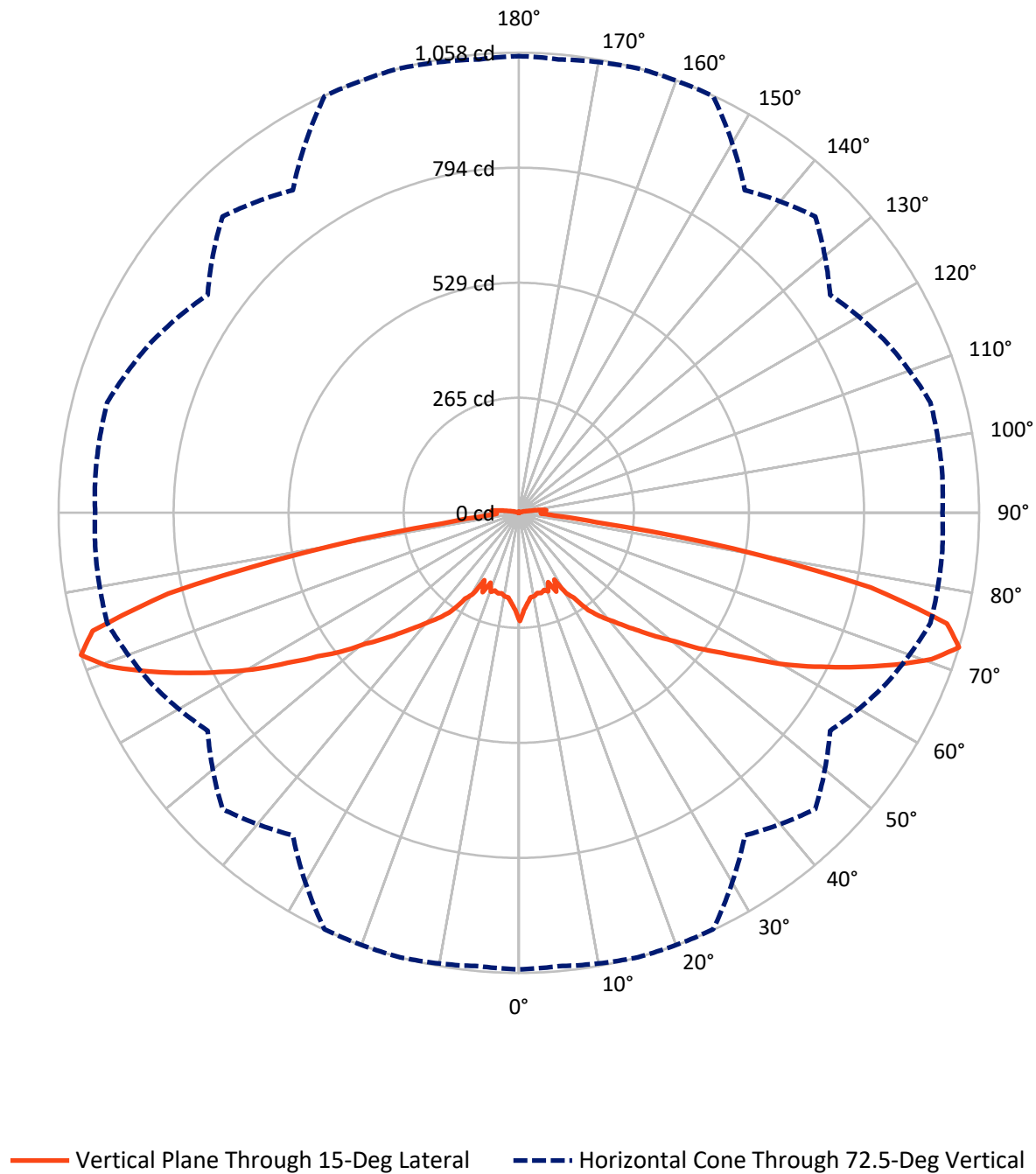


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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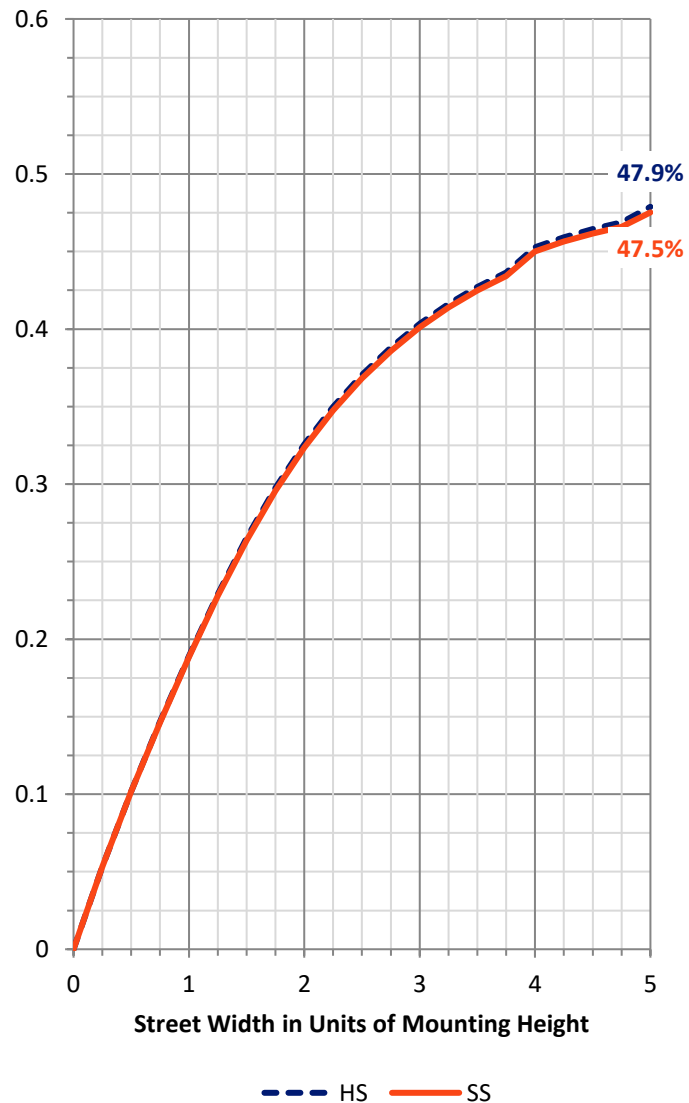
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1486.4	46.6	1532.9
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	1486.4	46.6	1532.9
	% Fixture	48.5	1.5	50.0
Total	Lumens	2972.7	93.1	3065.9
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.7	0.6
10°-20°	45.2	1.5
20°-30°	79.4	2.6
30°-40°	153.3	5.0
40°-50°	266.5	8.7
50°-60°	469.6	15.3
60°-70°	793.3	25.9
70°-80°	932.6	30.4
80°-90°	213.2	7.0
90°-100°	70.3	2.3
100°-110°	16.6	0.5
110°-120°	2.7	0.1
120°-130°	2.2	0.1
130°-140°	0.9	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°	2972.7	97.0
0°-180°	3065.9	100.0

Coefficient of Utilization



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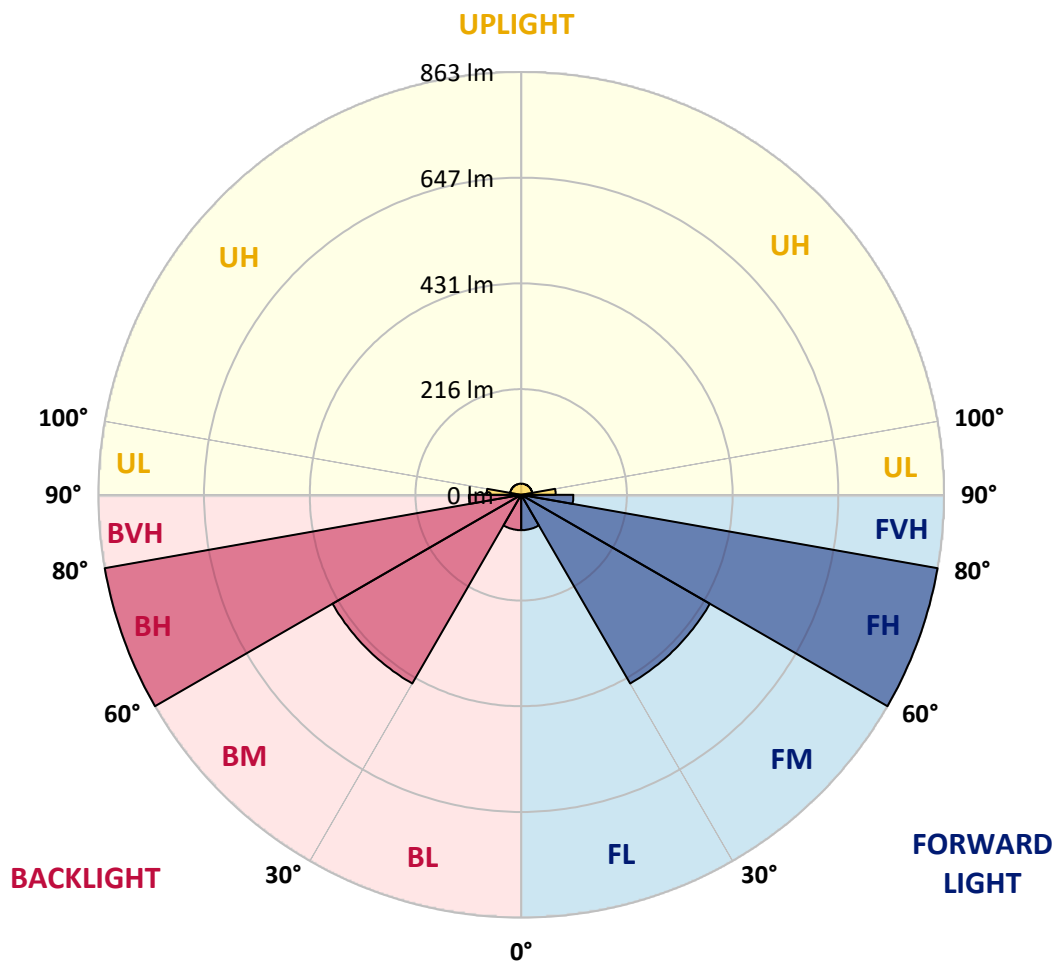
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.1	2.4			
FM	(30°-60°)	444.7	14.5			
FH	(60°-80°)	863.0	28.1			G1/1800
FVH	(80°-90°)	106.6	3.5			G2/225
BL	(0°-30°)	72.1	2.4	B0/110		
BM	(30°-60°)	444.7	14.5	B1/1000		
BH	(60°-80°)	863.0	28.1	B2/1000		G1/1800
BVH	(80°-90°)	106.6	3.5			G2/225
UL	(90°-100°)	70.3	2.3		U3/500	
UH	(100°-180°)	22.8	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°	249.3	249.3	249.3	249.3	249.3	249.3	249.3	249.3	249.3	249.3	249.3
2.5°	220.4	225.0	223.9	232.0	238.9	241.2	245.8	245.8	247.0	247.0	247.0
5°	208.9	208.9	208.9	208.9	208.9	207.7	212.3	233.1	240.0	241.2	240.0
7.5°	181.2	187.0	196.2	199.6	203.1	202.0	199.6	187.0	206.6	208.9	210.0
10°	195.0	195.0	195.0	192.7	183.5	175.4	166.2	156.9	160.4	181.2	181.2
12.5°	173.1	171.9	189.3	191.6	174.3	152.3	145.4	148.9	138.5	158.1	158.1
15°	195.0	195.0	191.6	180.0	144.3	152.3	129.3	130.4	147.7	170.8	170.8
17.5°	166.2	167.3	187.0	175.4	156.9	122.3	143.1	129.3	132.7	145.4	146.6
20°	198.5	198.5	192.7	150.0	147.7	152.3	131.6	128.1	147.7	170.8	171.9
22.5°	170.8	170.8	173.1	174.3	152.3	150.0	131.6	148.9	139.6	139.6	155.8
25°	206.6	206.6	200.8	159.3	167.3	145.4	152.3	139.6	170.8	188.1	188.1
27.5°	181.2	181.2	174.3	181.2	161.6	173.1	152.3	165.0	183.5	221.6	223.9
30°	220.4	220.4	214.6	180.0	178.9	168.5	169.6	191.6	236.6	260.8	260.8
32.5°	267.7	268.9	233.1	206.6	181.2	193.9	184.6	218.1	247.0	272.4	273.5
35°	287.4	287.4	274.7	240.0	197.3	204.3	200.8	230.8	265.4	286.2	286.2
37.5°	310.4	310.4	301.2	257.3	217.0	226.2	210.0	248.1	286.2	304.7	302.4
40°	334.7	331.2	325.4	275.8	237.7	240.0	226.2	266.6	305.8	324.3	324.3
42.5°	364.7	364.7	354.3	307.0	258.5	262.0	241.2	289.7	334.7	356.6	357.7
45°	398.1	397.0	386.6	341.6	283.9	289.7	266.6	320.8	370.4	391.2	393.5
47.5°	437.4	437.4	424.7	378.5	316.2	322.0	295.4	352.0	414.3	432.8	435.1
50°	478.9	475.5	463.9	421.2	358.9	356.6	327.7	386.6	460.5	473.2	477.8
52.5°	527.4	522.8	518.2	469.7	406.2	407.4	369.3	423.5	513.5	520.5	522.8
55°	575.9	572.4	568.9	529.7	458.1	465.1	424.7	474.3	566.6	571.2	575.9
57.5°	630.1	633.6	633.6	596.6	517.0	534.3	484.7	537.8	630.1	626.6	625.5
60°	708.6	701.6	709.7	676.3	597.8	611.6	558.5	615.1	691.3	677.4	674.0
62.5°	772.0	770.9	780.1	765.1	672.8	707.4	631.3	689.0	749.0	737.4	738.6
65°	844.7	843.6	855.1	848.2	751.3	795.1	710.9	772.0	818.2	805.5	803.2
67.5°	915.1	918.6	932.5	941.7	814.7	871.3	787.0	850.5	886.3	865.5	867.8
70°	1001.7	995.9	1007.5	1008.6	866.7	926.7	845.9	900.1	944.0	930.1	927.8
72.5°	1050.2	1046.7	1058.2	1057.1	905.9	963.6	873.6	931.3	979.8	977.5	974.0
75°	997.1	1001.7	1016.7	1037.5	908.2	984.4	870.1	910.5	948.6	935.9	932.5
77.5°	782.4	791.7	827.4	894.4	847.1	976.3	809.0	798.6	806.7	791.7	782.4
80°	415.4	423.5	499.7	613.9	679.7	848.2	679.7	580.5	495.1	433.9	382.0
82.5°	132.7	143.1	178.9	282.7	429.3	590.9	393.5	222.7	153.5	131.6	123.5
85°	72.7	75.0	80.8	109.6	151.2	238.9	160.4	94.6	83.1	79.6	78.5
87.5°	61.2	62.3	50.8	62.3	72.7	75.0	72.7	51.9	53.1	58.9	57.7
90°	64.6	64.6	51.9	61.2	72.7	73.9	72.7	54.2	53.1	62.3	61.2
92.5°	70.4	70.4	58.9	65.8	80.8	78.5	78.5	56.5	58.9	66.9	66.9
95°	75.0	73.9	63.5	66.9	85.4	87.7	85.4	60.0	63.5	72.7	72.7
97.5°	55.4	53.1	46.2	60.0	80.8	92.3	85.4	56.5	49.6	55.4	54.2
100°	26.5	25.4	24.2	45.0	63.5	70.4	61.2	40.4	21.9	13.8	13.8
102.5°	5.8	5.8	16.2	31.2	36.9	36.9	33.5	27.7	13.8	4.6	4.6
105°	4.6	5.8	11.5	17.3	18.5	10.4	16.2	17.3	8.1	4.6	4.6
107.5°	4.6	5.8	4.6	5.8	5.8	4.6	5.8	6.9	3.5	4.6	4.6
110°	5.8	5.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	5.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.8	5.8	2.3	2.3	2.3	2.3	2.3	2.3	2.3	4.6	5.8
115°	4.6	4.6	2.3	2.3	2.3	2.3	1.2	2.3	2.3	4.6	4.6
117.5°	4.6	4.6	2.3	1.2	1.2	1.2	1.2	2.3	2.3	4.6	5.8
120°	5.8	4.6	2.3	1.2	1.2	1.2	1.2	1.2	3.5	5.8	5.8
122.5°	5.8	5.8	2.3	1.2	1.2	1.2	1.2	1.2	3.5	5.8	6.9
125°	5.8	4.6	2.3	1.2	1.2	1.2	1.2	1.2	2.3	5.8	5.8
127.5°	4.6	4.6	2.3	1.2	1.2	1.2	1.2	1.2	2.3	4.6	5.8
130°	4.6	4.6	2.3	1.2	1.2	1.2	1.2	1.2	2.3	4.6	4.6
132.5°	3.5	3.5	2.3	1.2	1.2	0.0	1.2	1.2	2.3	3.5	3.5
135°	2.3	2.3	1.2	0.0	1.2	0.0	1.2	0.0	1.2	2.3	3.5
137.5°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
140°	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2
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	1.2	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	1.2	0.0	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2
150°	1.2	1.2	2.3	1.2	1.2	0.0	1.2	1.2	0.0	0.0	1.2
152.5°	2.3	2.3	2.3	1.2	0.0	0.0	1.2	1.2	1.2	1.2	1.2
155°	1.2	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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)