

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: P560264

Luminaire Tested: **SDL-PA1-30-827-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560264
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-PA1-30-827-U-5WQ-A
Description: Springdale
(1) 80 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: 2694.8 lumens
Efficiency: N/A
Efficacy: 89.5 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 - G1

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

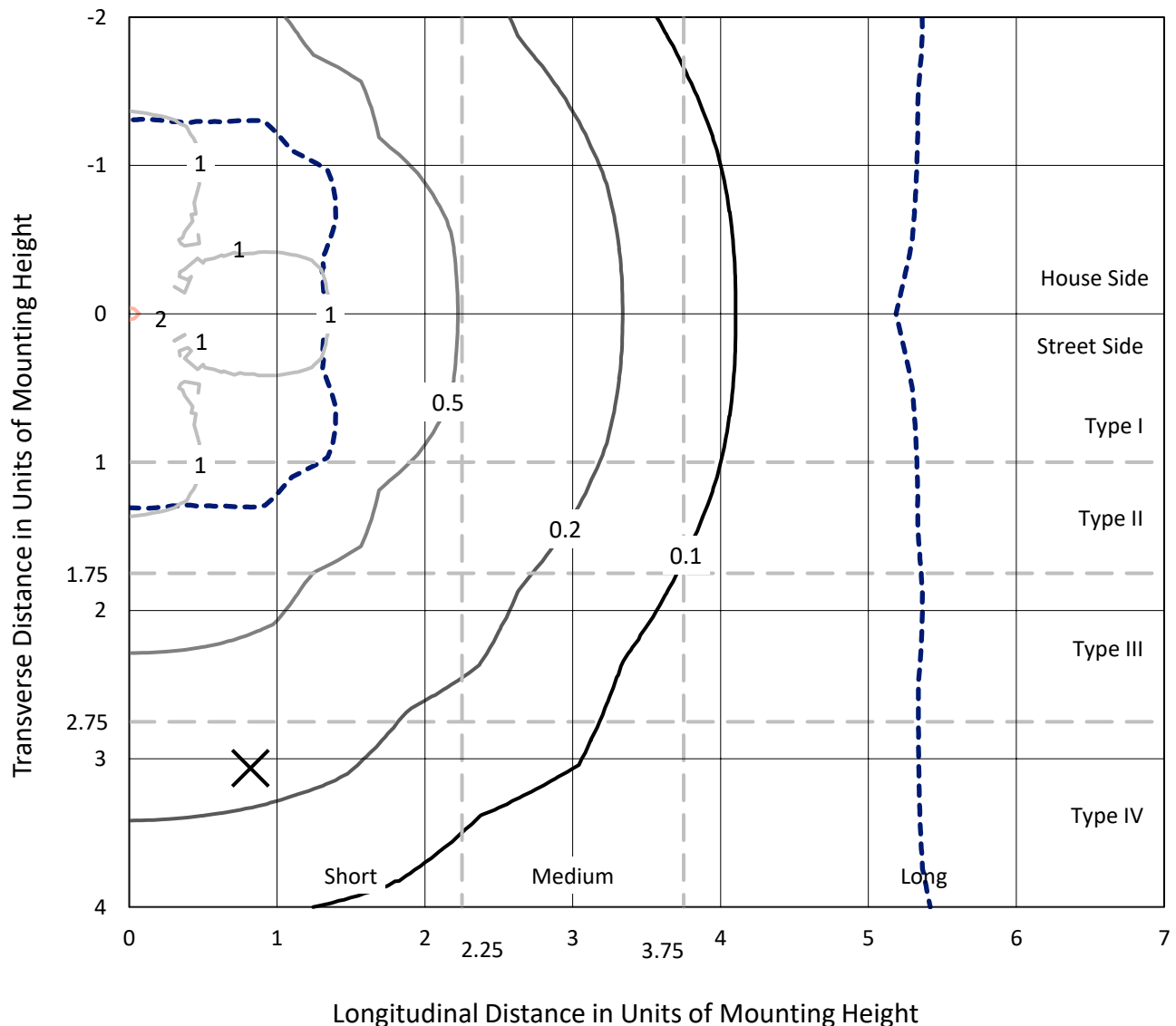


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

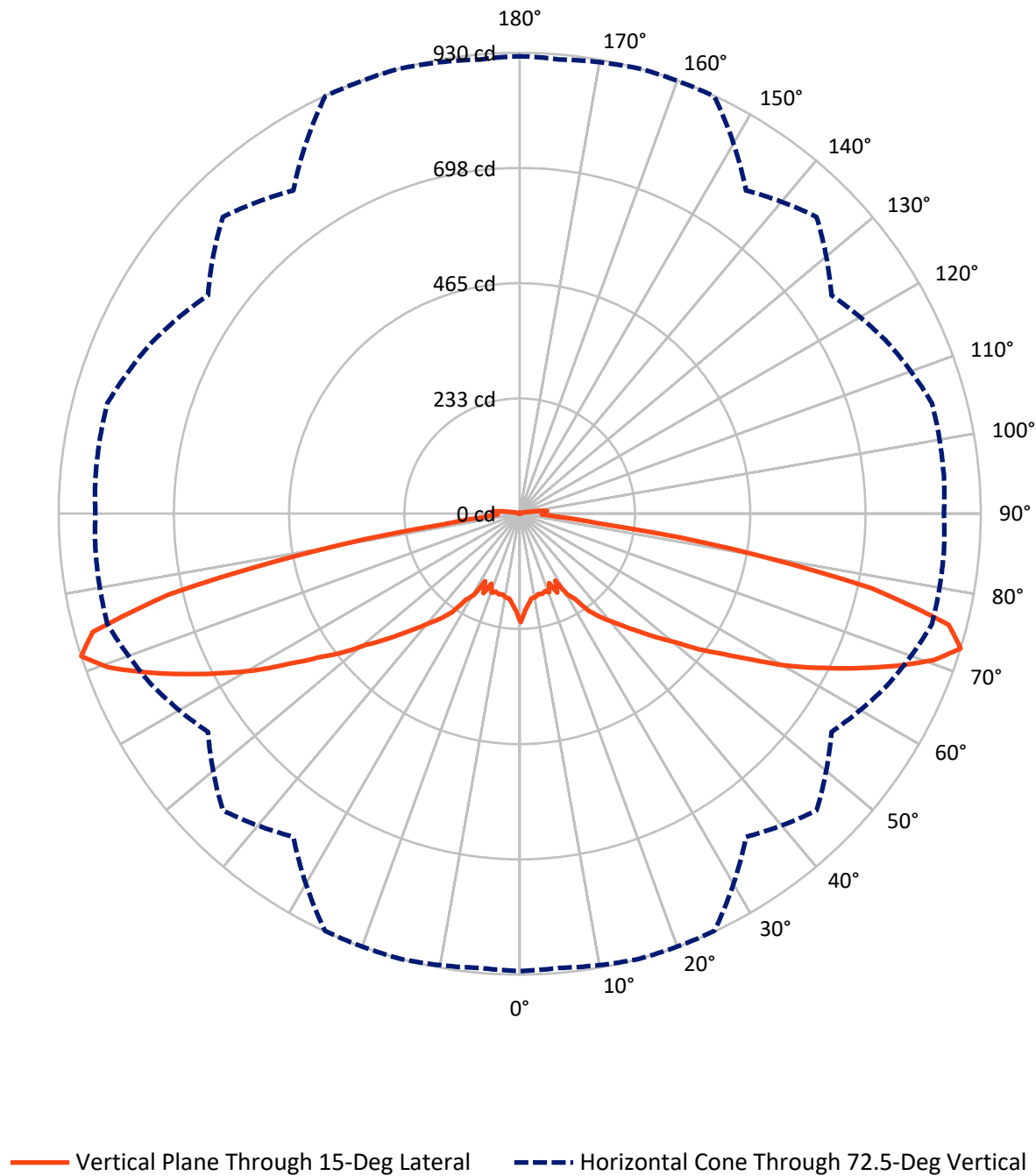


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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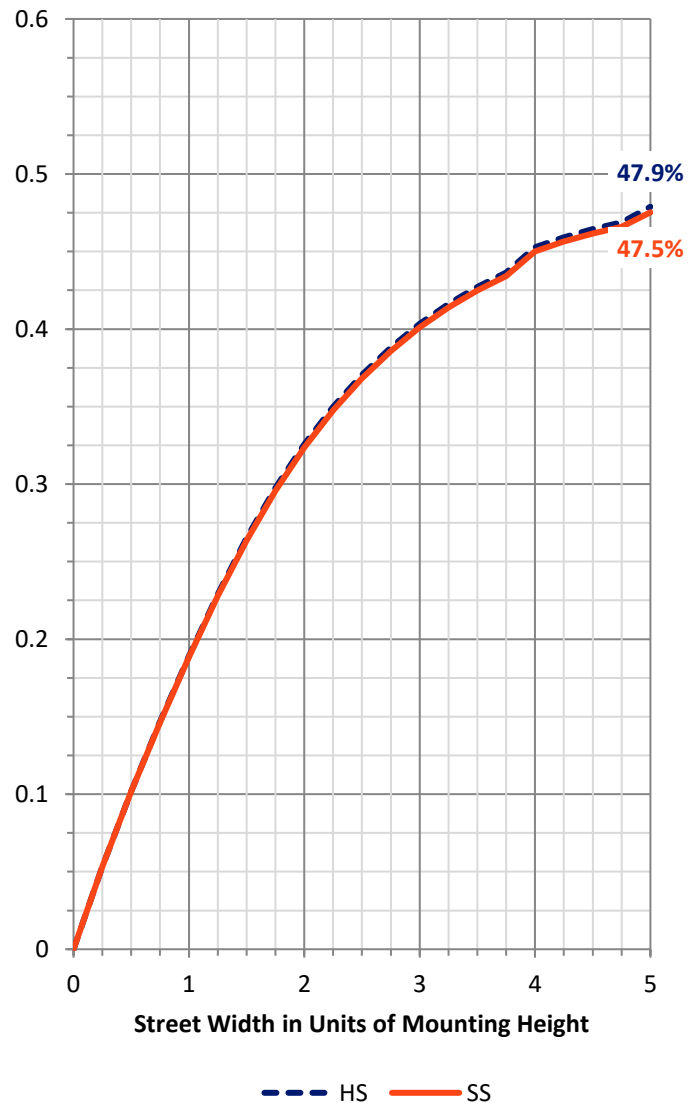
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1306.5	40.9	1347.4
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	1306.5	40.9	1347.4
	% Fixture	48.5	1.5	50.0
Total	Lumens	2613.0	81.8	2694.8
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.3	0.6
10°-20°	39.8	1.5
20°-30°	69.8	2.6
30°-40°	134.8	5.0
40°-50°	234.2	8.7
50°-60°	412.8	15.3
60°-70°	697.3	25.9
70°-80°	819.8	30.4
80°-90°	187.4	7.0
90°-100°	61.8	2.3
100°-110°	14.6	0.5
110°-120°	2.3	0.1
120°-130°	1.9	0.1
130°-140°	0.8	0.0
140°-150°	0.1	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2613.0	97.0
0°-180°	2694.8	100.0

Coefficient of Utilization



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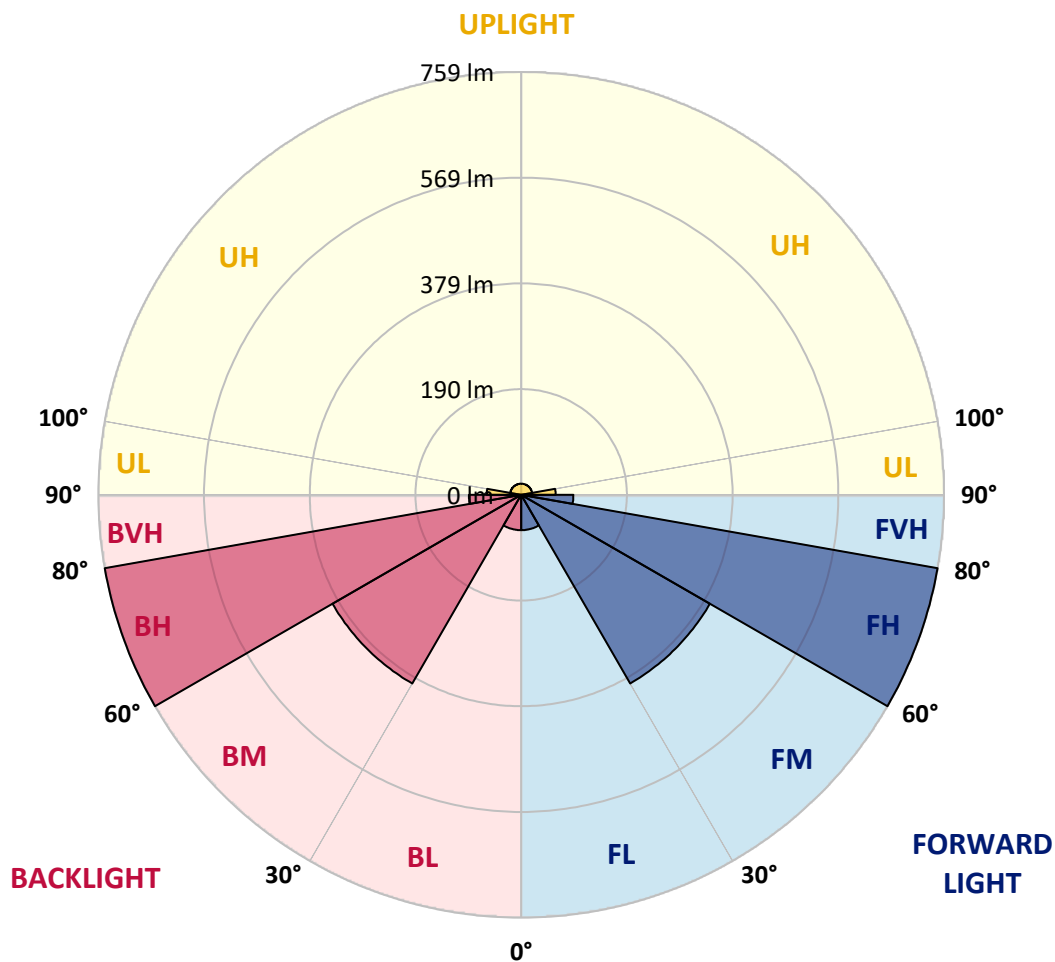
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	63.4	2.4			
FM	(30°-60°)	390.9	14.5			
FH	(60°-80°)	758.5	28.1			G1/1800
FVH	(80°-90°)	93.7	3.5			G1/100
BL	(0°-30°)	63.4	2.4	B0/110		
BM	(30°-60°)	390.9	14.5	B1/1000		
BH	(60°-80°)	758.5	28.1	B2/1000		G1/1800
BVH	(80°-90°)	93.7	3.5			G1/100
UL	(90°-100°)	61.8	2.3		U3/500	
UH	(100°-180°)	20.0	0.7		U2/50	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1	219.1
2.5°	193.7	197.8	196.8	203.9	210.0	212.0	216.1	216.1	217.1	217.1	217.1
5°	183.6	183.6	183.6	183.6	183.6	182.6	186.6	204.9	211.0	212.0	211.0
7.5°	159.3	164.3	172.4	175.5	178.5	177.5	175.5	164.3	181.6	183.6	184.6
10°	171.4	171.4	171.4	169.4	161.3	154.2	146.1	138.0	141.0	159.3	159.3
12.5°	152.2	151.1	166.4	168.4	153.2	133.9	127.8	130.9	121.7	139.0	139.0
15°	171.4	171.4	168.4	158.2	126.8	133.9	113.6	114.6	129.8	150.1	150.1
17.5°	146.1	147.1	164.3	154.2	138.0	107.5	125.8	113.6	116.7	127.8	128.8
20°	174.5	174.5	169.4	131.9	129.8	133.9	115.6	112.6	129.8	150.1	151.1
22.5°	150.1	150.1	152.2	153.2	133.9	131.9	115.6	130.9	122.7	122.7	136.9
25°	181.6	181.6	176.5	140.0	147.1	127.8	133.9	122.7	150.1	165.3	165.3
27.5°	159.3	159.3	153.2	159.3	142.0	152.2	133.9	145.1	161.3	194.8	196.8
30°	193.7	193.7	188.7	158.2	157.2	148.1	149.1	168.4	208.0	229.3	229.3
32.5°	235.3	236.4	204.9	181.6	159.3	170.4	162.3	191.7	217.1	239.4	240.4
35°	252.6	252.6	241.4	211.0	173.5	179.5	176.5	202.9	233.3	251.6	251.6
37.5°	272.9	272.9	264.8	226.2	190.7	198.8	184.6	218.1	251.6	267.8	265.8
40°	294.2	291.1	286.1	242.4	209.0	211.0	198.8	234.3	268.8	285.0	285.0
42.5°	320.5	320.5	311.4	269.8	227.2	230.3	212.0	254.6	294.2	313.4	314.5
45°	350.0	349.0	339.8	300.3	249.5	254.6	234.3	282.0	325.6	343.9	345.9
47.5°	384.5	384.5	373.3	332.7	277.9	283.0	259.7	309.4	364.2	380.4	382.4
50°	421.0	417.9	407.8	370.3	315.5	313.4	288.1	339.8	404.7	415.9	420.0
52.5°	463.6	459.5	455.5	412.9	357.1	358.1	324.6	372.3	451.4	457.5	459.5
55°	506.2	503.1	500.1	465.6	402.7	408.8	373.3	416.9	498.1	502.1	506.2
57.5°	553.9	556.9	556.9	524.4	454.4	469.7	426.0	472.7	553.9	550.8	549.8
60°	622.8	616.8	623.9	594.4	525.5	537.6	491.0	540.7	607.6	595.4	592.4
62.5°	678.6	677.6	685.7	672.5	591.4	621.8	554.9	605.6	658.3	648.2	649.2
65°	742.5	741.5	751.7	745.6	660.4	698.9	624.9	678.6	719.2	708.0	706.0
67.5°	804.4	807.5	819.6	827.7	716.2	765.9	691.8	747.6	779.1	760.8	762.8
70°	880.5	875.4	885.6	886.6	761.8	814.6	743.5	791.2	829.8	817.6	815.6
72.5°	923.1	920.1	930.2	929.2	796.3	847.0	767.9	818.6	861.2	859.2	856.1
75°	876.4	880.5	893.7	911.9	798.3	865.3	764.9	800.4	833.8	822.7	819.6
77.5°	687.8	695.9	727.3	786.2	744.6	858.2	711.1	702.0	709.1	695.9	687.8
80°	365.2	372.3	439.2	539.7	597.5	745.6	597.5	510.2	435.2	381.4	335.8
82.5°	116.7	125.8	157.2	248.5	377.4	519.4	345.9	195.8	134.9	115.6	108.5
85°	63.9	65.9	71.0	96.4	132.9	210.0	141.0	83.2	73.0	70.0	69.0
87.5°	53.8	54.8	44.6	54.8	63.9	65.9	63.9	45.6	46.7	51.7	50.7
90°	56.8	56.8	45.6	53.8	63.9	64.9	63.9	47.7	46.7	54.8	53.8
92.5°	61.9	61.9	51.7	57.8	71.0	69.0	69.0	49.7	51.7	58.8	58.8
95°	65.9	64.9	55.8	58.8	75.1	77.1	75.1	52.7	55.8	63.9	63.9
97.5°	48.7	46.7	40.6	52.7	71.0	81.2	75.1	49.7	43.6	48.7	47.7
100°	23.3	22.3	21.3	39.6	55.8	61.9	53.8	35.5	19.3	12.2	12.2
102.5°	5.1	5.1	14.2	27.4	32.5	32.5	29.4	24.3	12.2	4.1	4.1
105°	4.1	5.1	10.1	15.2	16.2	9.1	14.2	15.2	7.1	4.1	4.1
107.5°	4.1	5.1	4.1	5.1	5.1	4.1	5.1	6.1	3.0	4.1	4.1
110°	5.1	5.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	5.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.1	5.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.1	5.1
115°	4.1	4.1	2.0	2.0	2.0	2.0	1.0	2.0	2.0	4.1	4.1
117.5°	4.1	4.1	2.0	1.0	1.0	1.0	1.0	2.0	2.0	4.1	5.1
120°	5.1	4.1	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.1	5.1
122.5°	5.1	5.1	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.1	6.1
125°	5.1	4.1	2.0	1.0	1.0	1.0	1.0	1.0	2.0	5.1	5.1
127.5°	4.1	4.1	2.0	1.0	1.0	1.0	1.0	1.0	2.0	4.1	5.1
130°	4.1	4.1	2.0	1.0	1.0	1.0	1.0	1.0	2.0	4.1	4.1
132.5°	3.0	3.0	2.0	1.0	1.0	0.0	1.0	1.0	2.0	3.0	3.0
135°	2.0	2.0	1.0	0.0	1.0	0.0	1.0	0.0	1.0	2.0	3.0
137.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
140°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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	1.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	1.0	0.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0
150°	1.0	1.0	2.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	1.0
152.5°	2.0	2.0	2.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
155°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	2.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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)