

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: P559846

Luminaire Tested: **SDL-PA1-100-740-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559846
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-PA1-100-740-U-5WQ-A
Description: Springdale
(1) 70 CRI, 4000K, 1200mA 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: 9949.4 lumens
Efficiency: N/A
Efficacy: 106.1 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: B4 - U3 - G3

Input Watts (W): 93.8
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

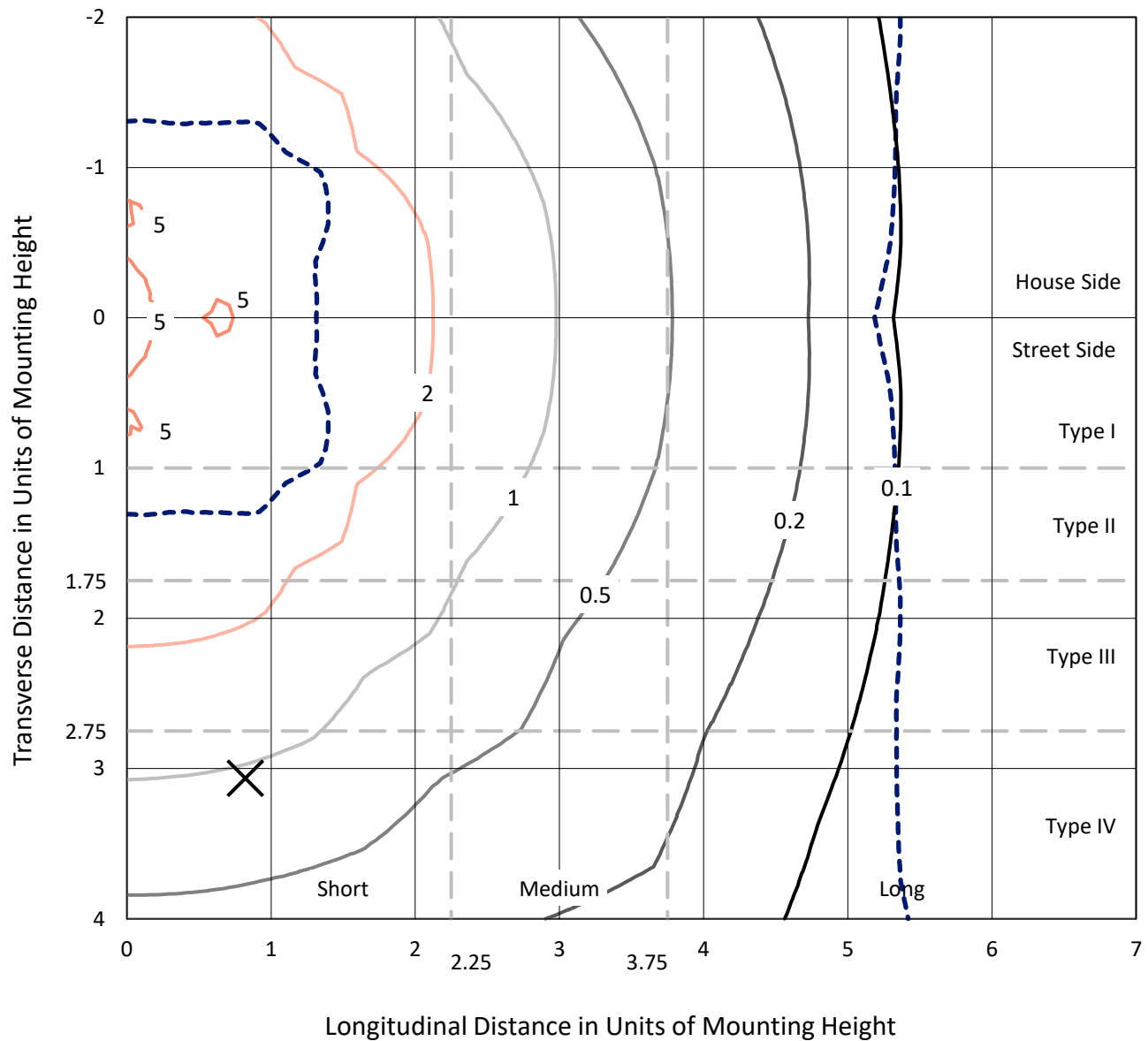


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

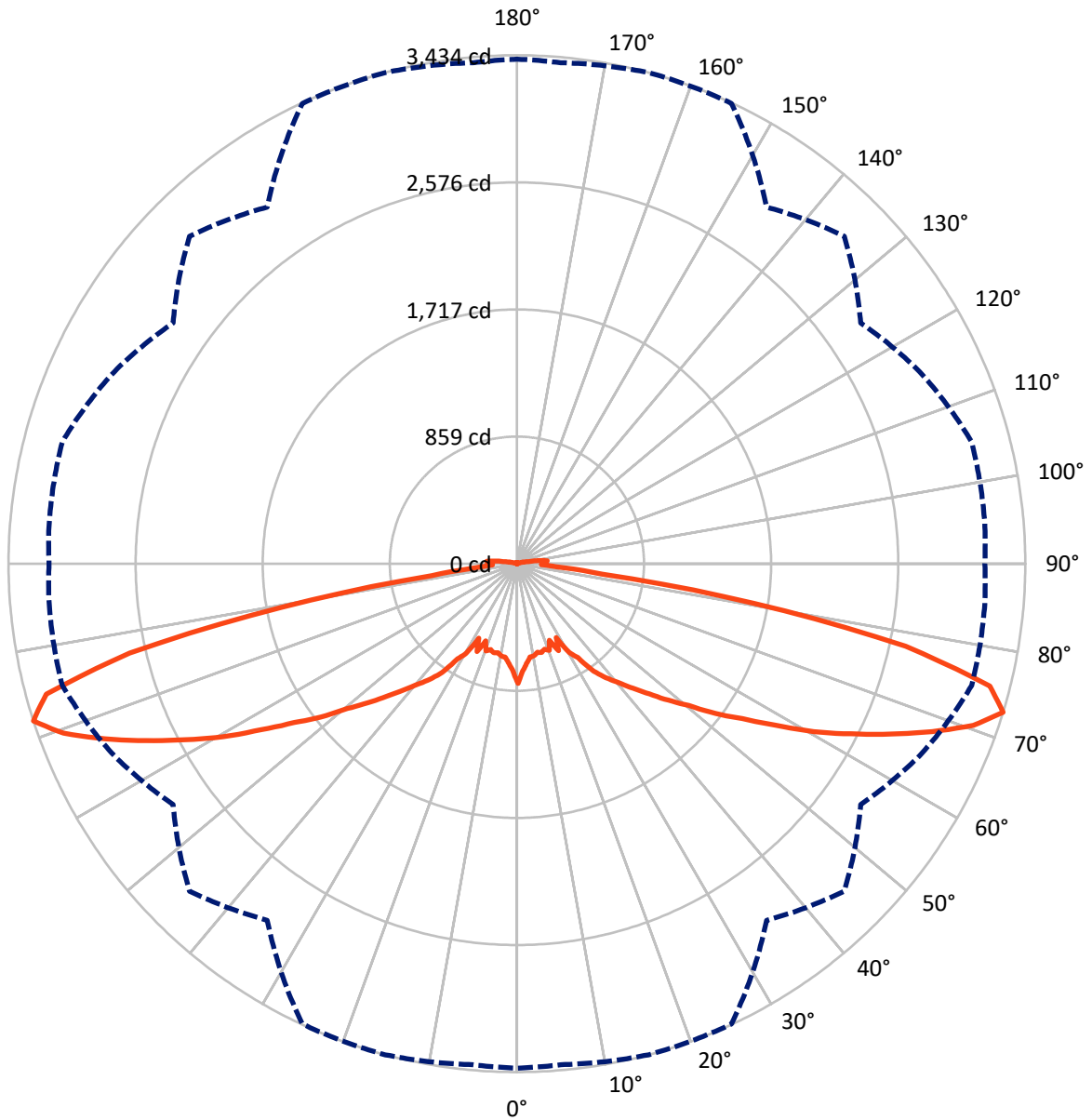


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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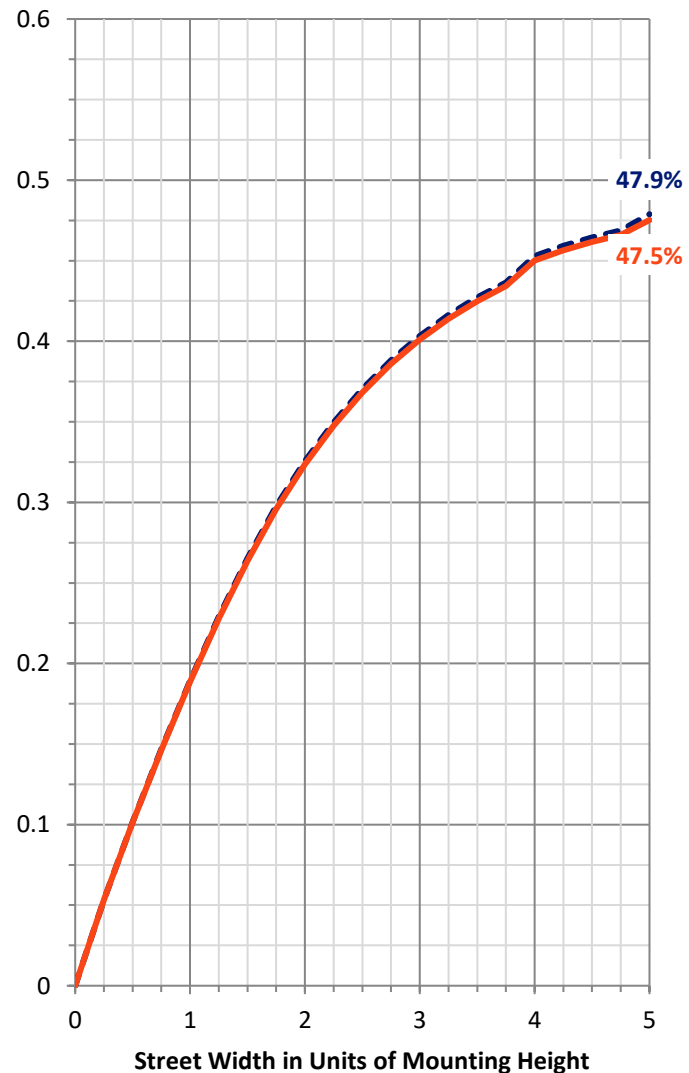
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4823.7	151.0	4974.7
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	4823.7	151.0	4974.7
	% Fixture	48.5	1.5	50.0
Total	Lumens	9647.4	302.0	9949.4
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.8	0.6
10°-20°	146.8	1.5
20°-30°	257.7	2.6
30°-40°	497.6	5.0
40°-50°	864.8	8.7
50°-60°	1523.9	15.3
60°-70°	2574.6	25.9
70°-80°	3026.6	30.4
80°-90°	691.8	7.0
90°-100°	228.3	2.3
100°-110°	53.8	0.5
110°-120°	8.7	0.1
120°-130°	6.9	0.1
130°-140°	2.8	0.0
140°-150°	0.6	0.0
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9647.4	97.0
0°-180°	9949.4	100.0



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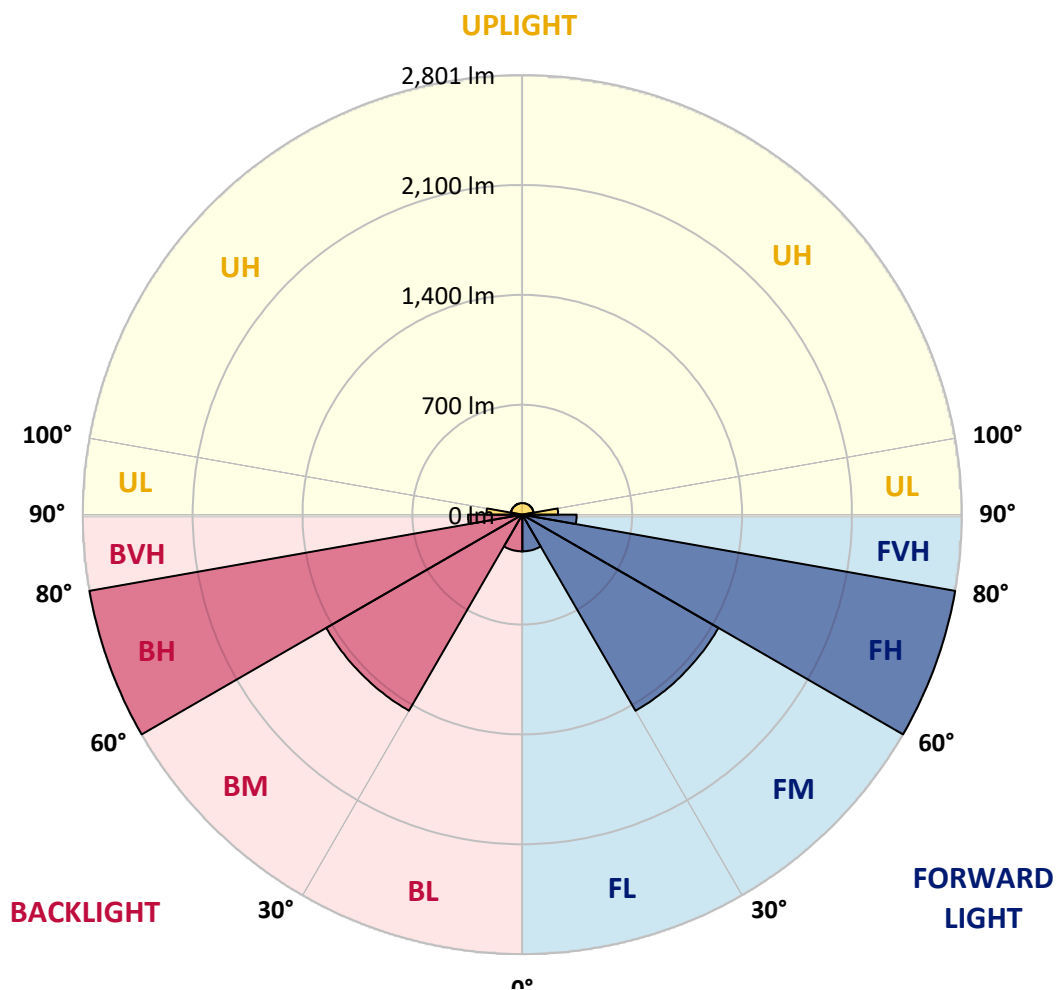
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	234.1	2.4			
FM	(30°-60°)	1443.1	14.5			
FH	(60°-80°)	2800.6	28.1			G2/5000
FVH	(80°-90°)	345.9	3.5			G3/500
BL	(0°-30°)	234.1	2.4	B1/500		
BM	(30°-60°)	1443.1	14.5	B2/2500		
BH	(60°-80°)	2800.6	28.1	B4/5000		G2/5000
BVH	(80°-90°)	345.9	3.5			G3/500
UL	(90°-100°)	228.3	2.3		U3/500	
UH	(100°-180°)	73.7	0.7		U3/500	

BUG Rating: B4-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0
2.5°	715.3	730.3	726.6	752.8	775.3	782.7	797.7	797.7	801.5	801.5	801.5
5°	677.9	677.9	677.9	677.9	677.9	674.1	689.1	756.5	779.0	782.7	779.0
7.5°	588.0	606.7	636.7	647.9	659.2	655.4	647.9	606.7	670.4	677.9	681.6
10°	632.9	632.9	632.9	625.4	595.5	569.3	539.3	509.3	520.6	588.0	588.0
12.5°	561.8	558.0	614.2	621.7	565.5	494.4	471.9	483.1	449.4	513.1	513.1
15°	632.9	632.9	621.7	584.3	468.1	494.4	419.5	423.2	479.4	554.3	554.3
17.5°	539.3	543.1	606.7	569.3	509.3	397.0	464.4	419.5	430.7	471.9	475.6
20°	644.2	644.2	625.4	486.9	479.4	494.4	427.0	415.7	479.4	554.3	558.0
22.5°	554.3	554.3	561.8	565.5	494.4	486.9	427.0	483.1	453.2	453.2	505.6
25°	670.4	670.4	651.7	516.8	543.1	471.9	494.4	453.2	554.3	610.5	610.5
27.5°	588.0	588.0	565.5	588.0	524.3	561.8	494.4	535.6	595.5	719.1	726.6
30°	715.3	715.3	696.6	584.3	580.5	546.8	550.5	621.7	767.8	846.4	846.4
32.5°	868.9	872.6	756.5	670.4	588.0	629.2	599.2	707.8	801.5	883.9	887.6
35°	932.6	932.6	891.4	779.0	640.4	662.9	651.7	749.0	861.4	928.8	928.8
37.5°	1007.5	1007.5	977.5	835.2	704.1	734.1	681.6	805.2	928.8	988.7	981.2
40°	1086.1	1074.9	1056.1	895.1	771.5	779.0	734.1	865.1	992.5	1052.4	1052.4
42.5°	1183.5	1183.5	1149.8	996.2	838.9	850.2	782.7	940.0	1086.1	1157.3	1161.0
45°	1292.1	1288.3	1254.6	1108.6	921.3	940.0	865.1	1041.2	1202.2	1269.6	1277.1
47.5°	1419.4	1419.4	1378.2	1228.4	1026.2	1044.9	958.8	1142.3	1344.5	1404.4	1411.9
50°	1554.3	1543.0	1505.6	1367.0	1164.8	1157.3	1063.6	1254.6	1494.3	1535.5	1550.5
52.5°	1711.6	1696.6	1681.6	1524.3	1318.3	1322.1	1198.5	1374.5	1666.6	1689.1	1696.6
55°	1868.9	1857.6	1846.4	1719.0	1486.8	1509.3	1378.2	1539.3	1838.9	1853.9	1868.9
57.5°	2044.9	2056.1	2056.1	1936.3	1677.8	1734.0	1573.0	1745.3	2044.9	2033.6	2029.9
60°	2299.6	2277.1	2303.3	2194.7	1940.0	1985.0	1812.7	1996.2	2243.4	2198.4	2187.2
62.5°	2505.5	2501.8	2531.8	2483.1	2183.5	2295.8	2048.6	2235.9	2430.6	2393.2	2396.9
65°	2741.5	2737.7	2775.2	2752.7	2438.1	2580.4	2307.0	2505.5	2655.3	2614.1	2606.7
67.5°	2969.9	2981.2	3026.1	3056.1	2644.1	2827.6	2554.2	2760.2	2876.3	2808.9	2816.4
70°	3250.8	3232.1	3269.6	3273.3	2812.6	3007.4	2745.2	2921.3	3063.6	3018.6	3011.1
72.5°	3408.1	3396.9	3434.3	3430.6	2940.0	3127.2	2835.1	3022.4	3179.7	3172.2	3160.9
75°	3235.9	3250.8	3299.5	3366.9	2947.5	3194.7	2823.9	2955.0	3078.6	3037.4	3026.1
77.5°	2539.2	2569.2	2685.3	2902.5	2749.0	3168.4	2625.4	2591.7	2617.9	2569.2	2539.2
80°	1348.3	1374.5	1621.7	1992.4	2205.9	2752.7	2205.9	1883.8	1606.7	1408.2	1239.7
82.5°	430.7	464.4	580.5	917.6	1393.2	1917.5	1277.1	722.8	498.1	427.0	400.7
85°	235.9	243.4	262.2	355.8	490.6	775.3	520.6	307.1	269.7	258.4	254.7
87.5°	198.5	202.2	164.8	202.2	235.9	243.4	235.9	168.5	172.3	191.0	187.3
90°	209.7	209.7	168.5	198.5	235.9	239.7	235.9	176.0	172.3	202.2	198.5
92.5°	228.5	228.5	191.0	213.5	262.2	254.7	254.7	183.5	191.0	217.2	217.2
95°	243.4	239.7	206.0	217.2	277.1	284.6	277.1	194.8	206.0	235.9	235.9
97.5°	179.8	172.3	149.8	194.8	262.2	299.6	277.1	183.5	161.0	179.8	176.0
100°	86.1	82.4	78.6	146.1	206.0	228.5	198.5	131.1	71.2	44.9	44.9
102.5°	18.7	18.7	52.4	101.1	119.8	119.8	108.6	89.9	44.9	15.0	15.0
105°	15.0	18.7	37.5	56.2	59.9	33.7	52.4	56.2	26.2	15.0	15.0
107.5°	15.0	18.7	15.0	18.7	18.7	15.0	18.7	22.5	11.2	15.0	15.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	18.7	18.7	7.5	7.5	7.5	7.5	7.5	7.5	7.5	15.0	18.7
115°	15.0	15.0	7.5	7.5	7.5	7.5	3.7	7.5	7.5	15.0	15.0
117.5°	15.0	15.0	7.5	3.7	3.7	3.7	3.7	7.5	7.5	15.0	18.7
120°	18.7	15.0	7.5	3.7	3.7	3.7	3.7	3.7	11.2	18.7	18.7
122.5°	18.7	18.7	7.5	3.7	3.7	3.7	3.7	3.7	11.2	18.7	22.5
125°	18.7	15.0	7.5	3.7	3.7	3.7	3.7	3.7	7.5	18.7	18.7
127.5°	15.0	15.0	7.5	3.7	3.7	3.7	3.7	3.7	7.5	15.0	18.7
130°	15.0	15.0	7.5	3.7	3.7	3.7	3.7	3.7	7.5	15.0	15.0
132.5°	11.2	11.2	7.5	3.7	3.7	0.0	3.7	3.7	7.5	11.2	11.2
135°	7.5	7.5	3.7	0.0	3.7	0.0	3.7	0.0	3.7	7.5	11.2
137.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
140°	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
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	3.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	3.7	0.0	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7
150°	3.7	3.7	7.5	3.7	3.7	0.0	3.7	3.7	0.0	0.0	3.7
152.5°	7.5	7.5	7.5	3.7	0.0	0.0	3.7	3.7	3.7	3.7	3.7
155°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	3.7	3.7	7.5	7.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
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



Report Generated By 670245982





--- HS --- SS



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110°	18.7	18.7	7.5	7.5	7.5	7.5	7.5	7.5	7.5	15.0	18.7
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