

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: P561254

Luminaire Tested: **SDL-PA1-90-740-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561254
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-PA1-90-740-U-5WQ-A
Description: Springdale
(1) 70 CRI, 4000K, 1180mA 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: 9858.9 lumens
Efficiency: N/A
Efficacy: 106.7 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): 92.4
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



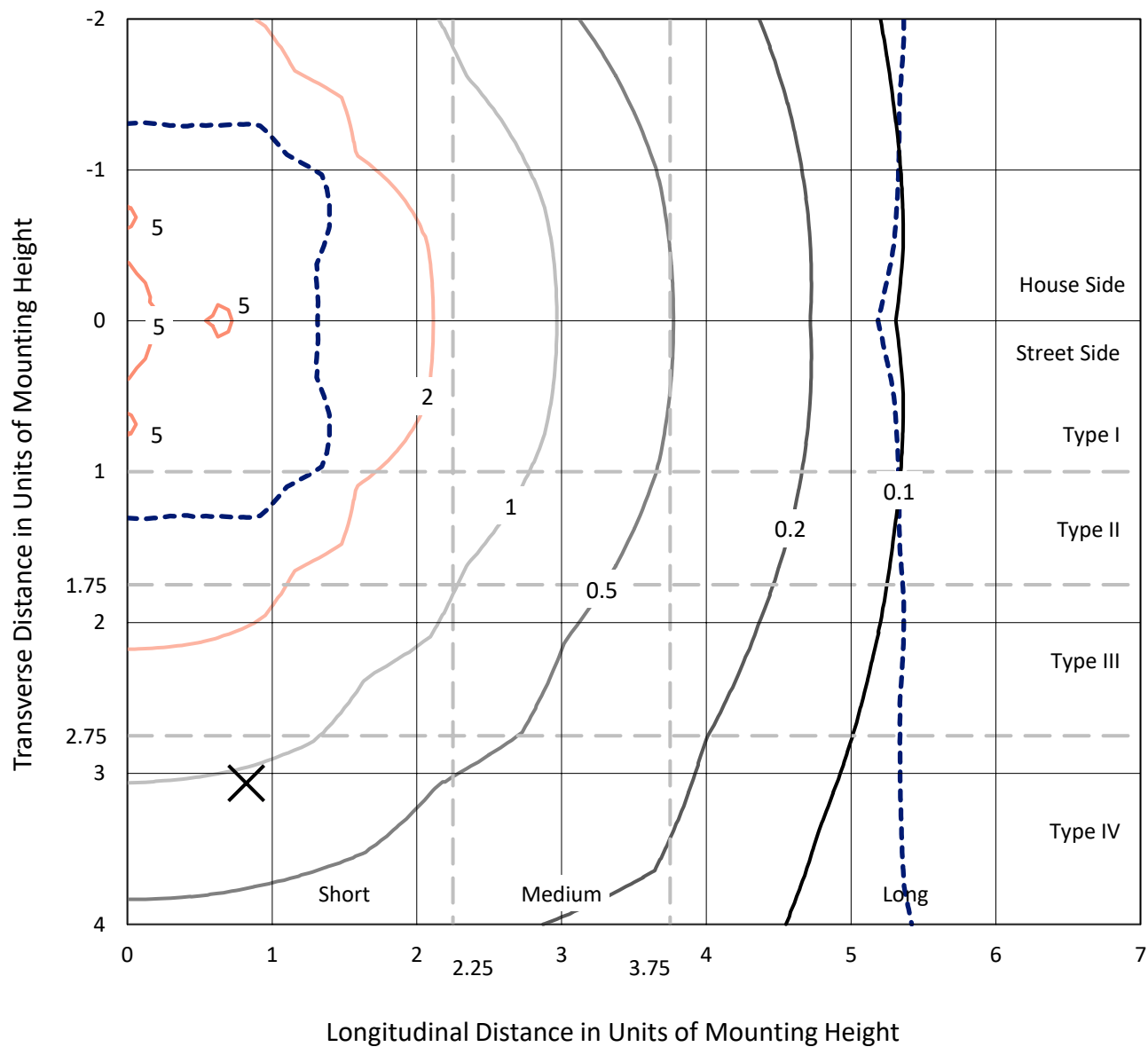
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



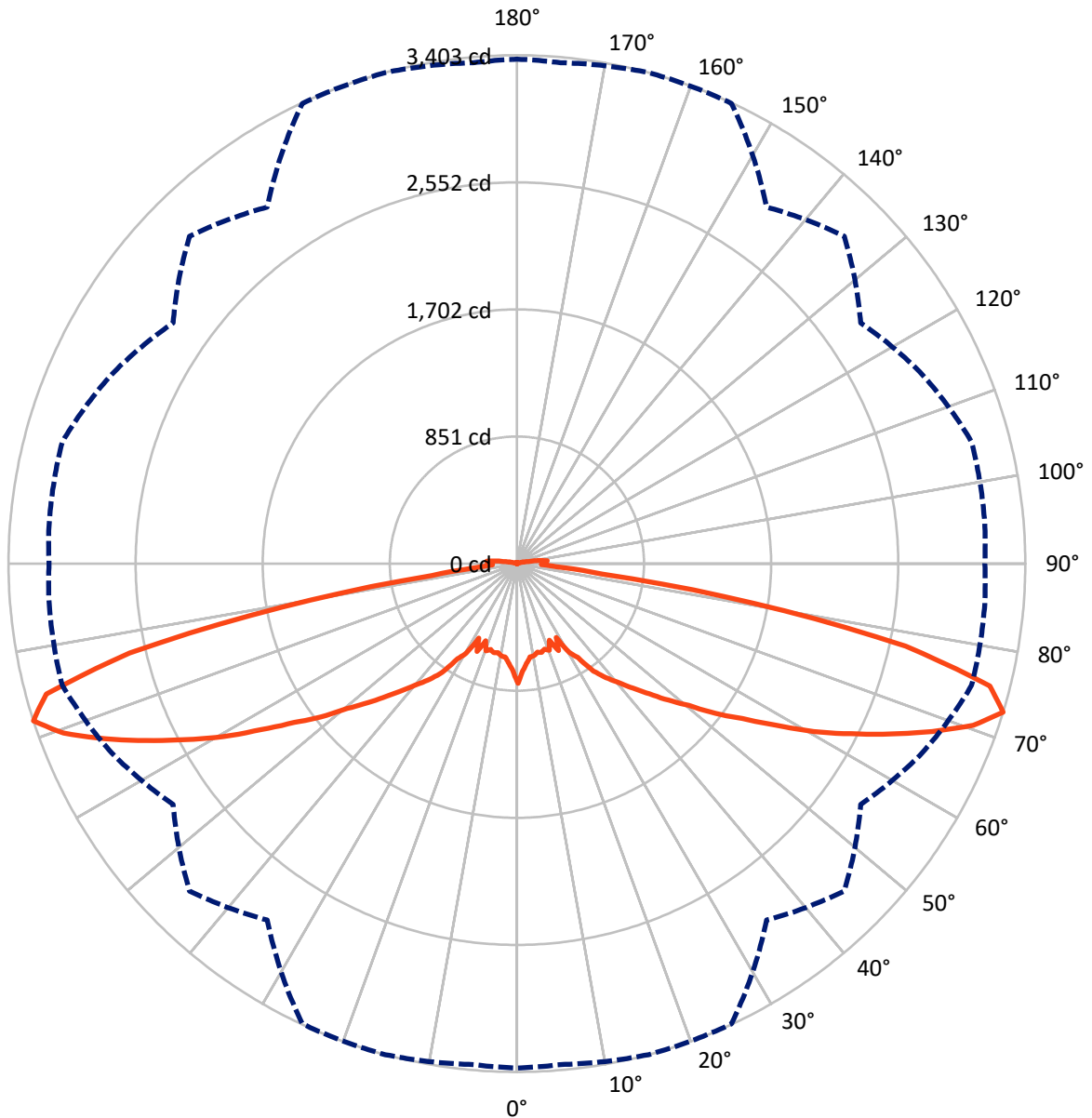
Based on 10 foot mounting height. Maximum calculated value = 8 fc

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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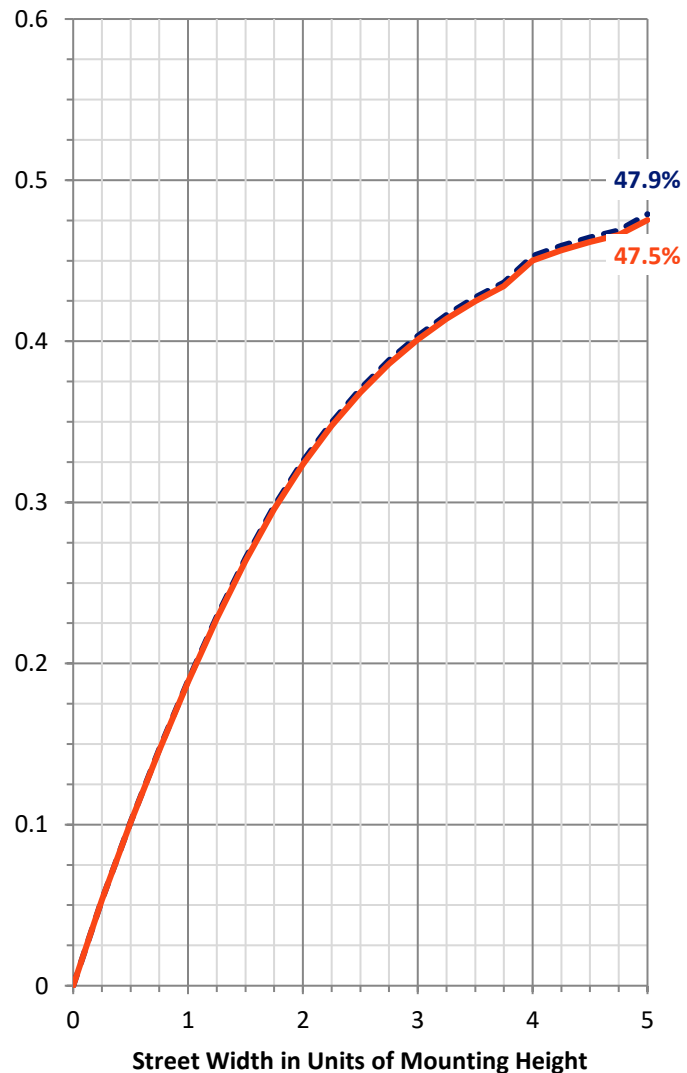
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4779.8	149.6	4929.5
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	4779.8	149.6	4929.5
	% Fixture	48.5	1.5	50.0
Total	Lumens	9559.7	299.3	9858.9
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.2	0.6
10°-20°	145.4	1.5
20°-30°	255.4	2.6
30°-40°	493.0	5.0
40°-50°	856.9	8.7
50°-60°	1510.1	15.3
60°-70°	2551.1	25.9
70°-80°	2999.0	30.4
80°-90°	685.5	7.0
90°-100°	226.2	2.3
100°-110°	53.3	0.5
110°-120°	8.6	0.1
120°-130°	6.8	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°	9559.7	97.0
0°-180°	9858.9	100.0



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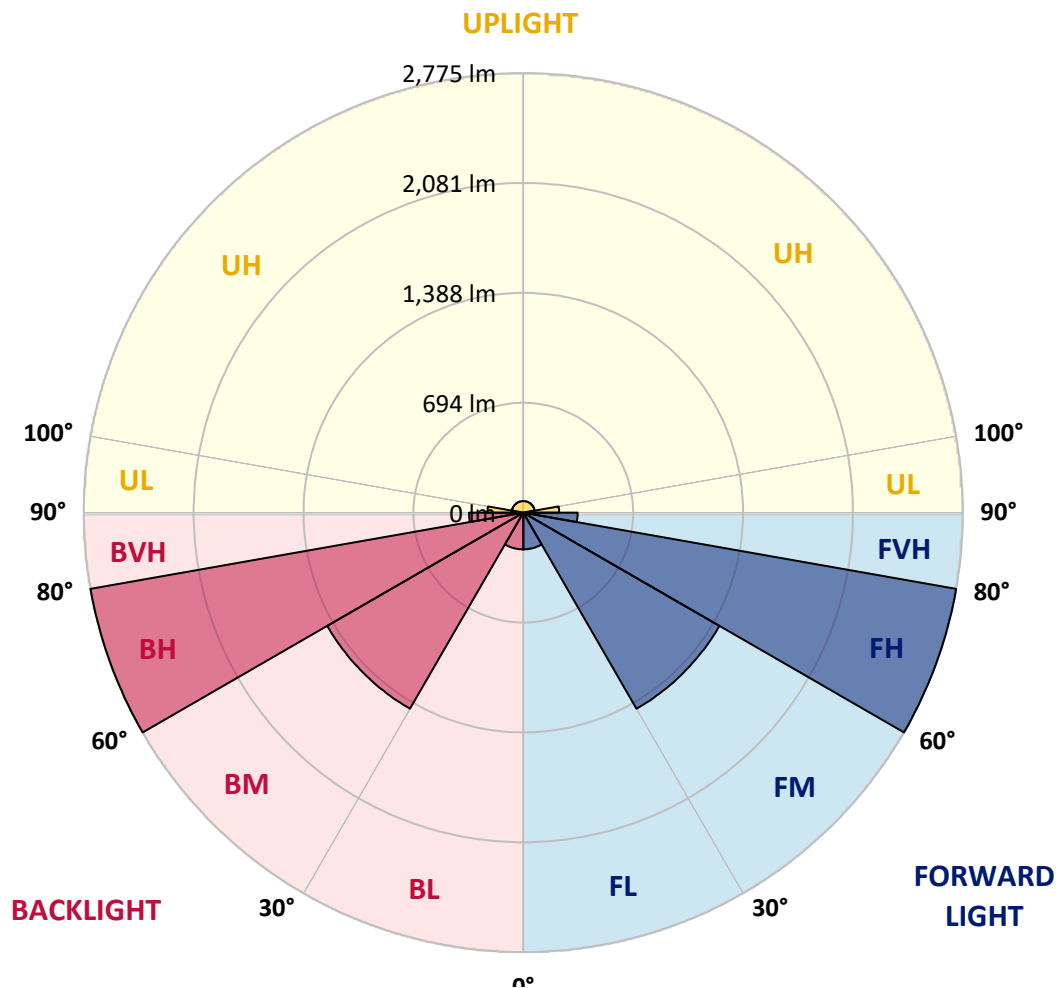
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	232.0	2.4			
FM	(30°-60°)	1430.0	14.5			
FH	(60°-80°)	2775.1	28.1			G2/5000
FVH	(80°-90°)	342.7	3.5			G3/500
BL	(0°-30°)	232.0	2.4	B1/500		
BM	(30°-60°)	1430.0	14.5	B2/2500		
BH	(60°-80°)	2775.1	28.1	B4/5000		G2/5000
BVH	(80°-90°)	342.7	3.5			G3/500
UL	(90°-100°)	226.2	2.3		U3/500	
UH	(100°-180°)	73.1	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°	801.6	801.6	801.6	801.6	801.6	801.6	801.6	801.6	801.6	801.6	801.6
2.5°	708.8	723.7	720.0	745.9	768.2	775.6	790.5	790.5	794.2	794.2	794.2
5°	671.7	671.7	671.7	671.7	671.7	668.0	682.8	749.6	771.9	775.6	771.9
7.5°	582.6	601.2	630.9	642.0	653.2	649.4	642.0	601.2	664.3	671.7	675.4
10°	627.2	627.2	627.2	619.8	590.1	564.1	534.4	504.7	515.8	582.6	582.6
12.5°	556.7	553.0	608.6	616.0	560.4	489.9	467.6	478.7	445.3	508.4	508.4
15°	627.2	627.2	616.0	578.9	463.9	489.9	415.6	419.4	475.0	549.2	549.2
17.5°	534.4	538.1	601.2	564.1	504.7	393.4	460.2	415.6	426.8	467.6	471.3
20°	638.3	638.3	619.8	482.4	475.0	489.9	423.1	411.9	475.0	549.2	553.0
22.5°	549.2	549.2	556.7	560.4	489.9	482.4	423.1	478.7	449.0	449.0	501.0
25°	664.3	664.3	645.7	512.1	538.1	467.6	489.9	449.0	549.2	604.9	604.9
27.5°	582.6	582.6	560.4	582.6	519.6	556.7	489.9	530.7	590.1	712.5	720.0
30°	708.8	708.8	690.3	578.9	575.2	541.8	545.5	616.0	760.8	838.7	838.7
32.5°	861.0	864.7	749.6	664.3	582.6	623.5	593.8	701.4	794.2	875.8	879.5
35°	924.1	924.1	883.2	771.9	634.6	656.9	645.7	742.2	853.6	920.4	920.4
37.5°	998.3	998.3	968.6	827.6	697.7	727.4	675.4	797.9	920.4	979.7	972.3
40°	1076.2	1065.1	1046.5	887.0	764.5	771.9	727.4	857.3	983.4	1042.8	1042.8
42.5°	1172.7	1172.7	1139.3	987.2	831.3	842.4	775.6	931.5	1076.2	1146.7	1150.4
45°	1280.3	1276.6	1243.2	1098.5	912.9	931.5	857.3	1031.7	1191.3	1258.1	1265.5
47.5°	1406.5	1406.5	1365.7	1217.2	1016.8	1035.4	950.0	1131.9	1332.3	1391.7	1399.1
50°	1540.1	1529.0	1491.9	1354.6	1154.2	1146.7	1054.0	1243.2	1480.7	1521.6	1536.4
52.5°	1696.0	1681.1	1666.3	1510.4	1306.3	1310.0	1187.6	1362.0	1651.5	1673.7	1681.1
55°	1851.9	1840.7	1829.6	1703.4	1473.3	1495.6	1365.7	1525.3	1822.2	1837.0	1851.9
57.5°	2026.3	2037.4	2037.4	1918.7	1662.6	1718.3	1558.7	1729.4	2026.3	2015.1	2011.4
60°	2278.6	2256.4	2282.3	2174.7	1922.4	1966.9	1796.2	1978.0	2223.0	2178.4	2167.3
62.5°	2482.7	2479.0	2508.7	2460.5	2163.6	2274.9	2030.0	2215.5	2408.5	2371.4	2375.1
65°	2716.5	2712.8	2749.9	2727.7	2415.9	2557.0	2286.1	2482.7	2631.2	2590.4	2582.9
67.5°	2942.9	2954.1	2998.6	3028.3	2620.1	2801.9	2531.0	2735.1	2850.1	2783.3	2790.8
70°	3221.3	3202.7	3239.8	3243.5	2787.1	2980.0	2720.3	2894.7	3035.7	2991.2	2983.7
72.5°	3377.1	3366.0	3403.1	3399.4	2913.2	3098.8	2809.3	2994.9	3150.7	3143.3	3132.2
75°	3206.4	3221.3	3269.5	3336.3	2920.7	3165.6	2798.2	2928.1	3050.5	3009.7	2998.6
77.5°	2516.1	2545.8	2660.9	2876.1	2724.0	3139.6	2601.5	2568.1	2594.1	2545.8	2516.1
80°	1336.0	1362.0	1606.9	1974.3	2185.9	2727.7	2185.9	1866.7	1592.1	1395.4	1228.4
82.5°	426.8	460.2	575.2	909.2	1380.5	1900.1	1265.5	716.2	493.6	423.1	397.1
85°	233.8	241.2	259.8	352.6	486.2	768.2	515.8	304.3	267.2	256.1	252.4
87.5°	196.7	200.4	163.3	200.4	233.8	241.2	233.8	167.0	170.7	189.3	185.6
90°	207.8	207.8	167.0	196.7	233.8	237.5	233.8	174.4	170.7	200.4	196.7
92.5°	226.4	226.4	189.3	211.5	259.8	252.4	252.4	181.8	189.3	215.2	215.2
95°	241.2	237.5	204.1	215.2	274.6	282.0	274.6	193.0	204.1	233.8	233.8
97.5°	178.1	170.7	148.4	193.0	259.8	296.9	274.6	181.8	159.6	178.1	174.4
100°	85.4	81.6	77.9	144.7	204.1	226.4	196.7	129.9	70.5	44.5	44.5
102.5°	18.6	18.6	52.0	100.2	118.8	118.8	107.6	89.1	44.5	14.8	14.8
105°	14.8	18.6	37.1	55.7	59.4	33.4	52.0	55.7	26.0	14.8	14.8
107.5°	14.8	18.6	14.8	18.6	18.6	14.8	18.6	22.3	11.1	14.8	14.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	18.6	18.6	7.4	7.4	7.4	7.4	7.4	7.4	7.4	14.8	18.6
115°	14.8	14.8	7.4	7.4	7.4	7.4	3.7	7.4	7.4	14.8	14.8
117.5°	14.8	14.8	7.4	3.7	3.7	3.7	3.7	7.4	7.4	14.8	18.6
120°	18.6	14.8	7.4	3.7	3.7	3.7	3.7	3.7	11.1	18.6	18.6
122.5°	18.6	18.6	7.4	3.7	3.7	3.7	3.7	3.7	11.1	18.6	22.3
125°	18.6	14.8	7.4	3.7	3.7	3.7	3.7	3.7	7.4	18.6	18.6
127.5°	14.8	14.8	7.4	3.7	3.7	3.7	3.7	3.7	7.4	14.8	18.6
130°	14.8	14.8	7.4	3.7	3.7	3.7	3.7	3.7	7.4	14.8	14.8
132.5°	11.1	11.1	7.4	3.7	3.7	0.0	3.7	3.7	7.4	11.1	11.1
135°	7.4	7.4	3.7	0.0	3.7	0.0	3.7	0.0	3.7	7.4	11.1
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	7.4	3.7	3.7	0.0	3.7	3.7	0.0	0.0	3.7
152.5°	7.4	7.4	7.4	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	7.4	7.4
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°	18.6	18.6	7.4	7.4	7.4	7.4	7.4	7.4	7.4	14.8	18.6
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