

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: P561210

Luminaire Tested: **SDL-PA1-90-727-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561210
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-PA1-90-727-U-5WQ-A
Description: Springdale
(1) 70 CRI, 2700K, 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: 8245.1 lumens
Efficiency: N/A
Efficacy: 89.2 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: B3 - 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

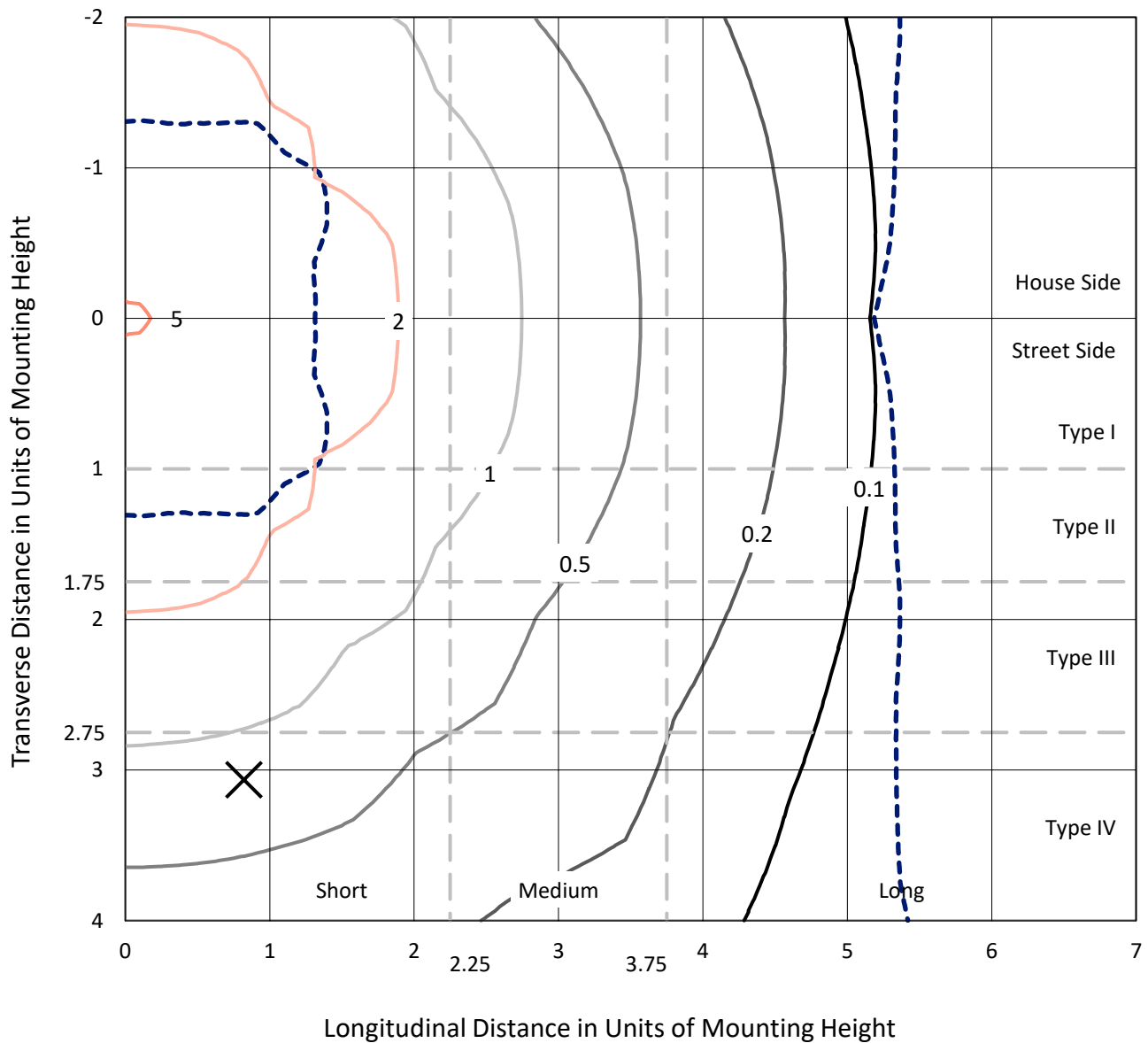


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

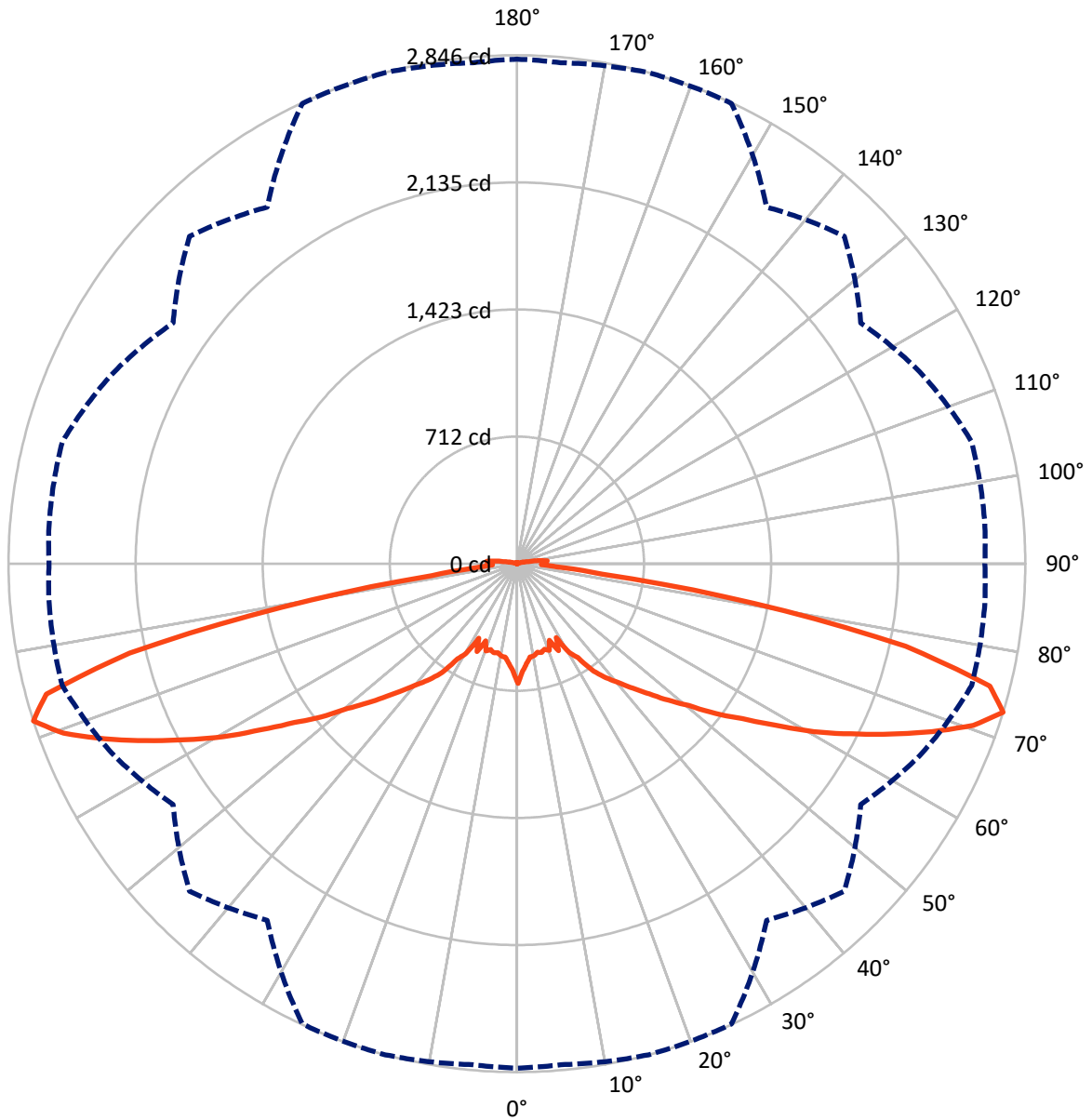


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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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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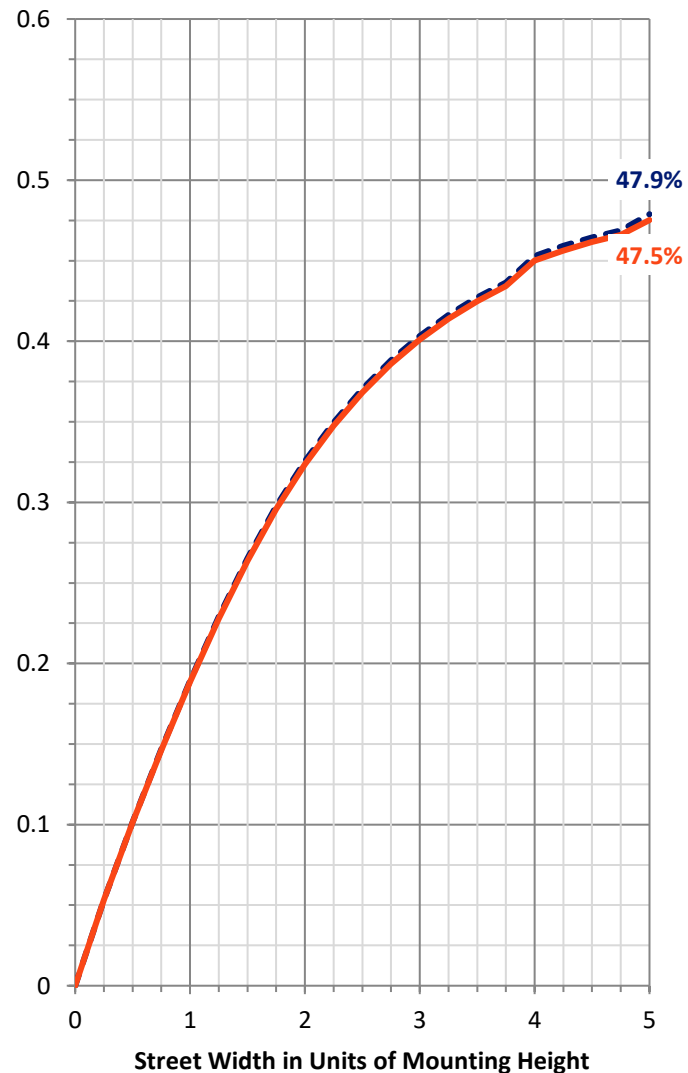
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3997.4	125.2	4122.6
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3997.4	125.2	4122.6
	% Fixture	48.5	1.5	50.0
Total	Lumens	7994.8	250.3	8245.1
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	0.6
10°-20°	121.6	1.5
20°-30°	213.6	2.6
30°-40°	412.3	5.0
40°-50°	716.6	8.7
50°-60°	1262.9	15.3
60°-70°	2133.5	25.9
70°-80°	2508.1	30.4
80°-90°	573.3	7.0
90°-100°	189.2	2.3
100°-110°	44.6	0.5
110°-120°	7.2	0.1
120°-130°	5.7	0.1
130°-140°	2.4	0.0
140°-150°	0.5	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7994.8	97.0
0°-180°	8245.1	100.0



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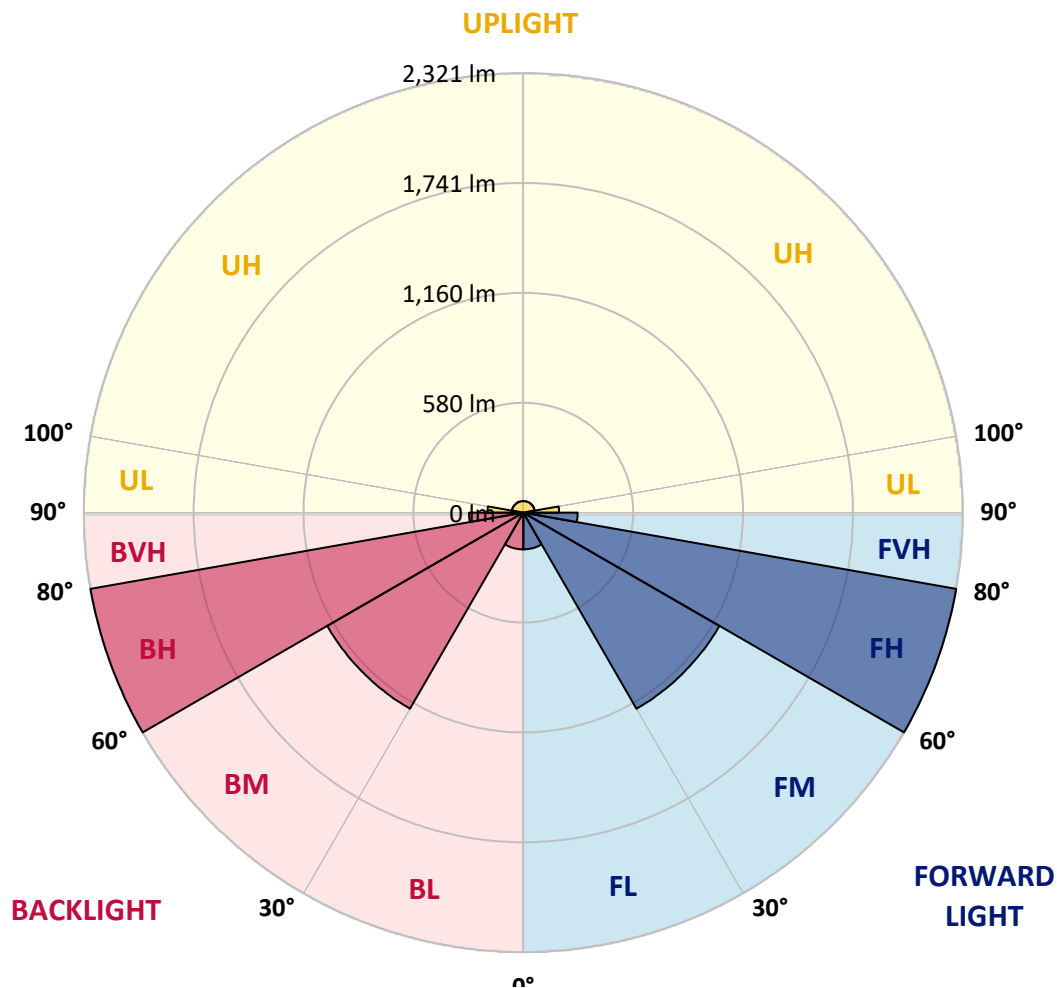
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	194.0	2.4			
FM	(30°-60°)	1195.9	14.5			
FH	(60°-80°)	2320.8	28.1			G2/5000
FVH	(80°-90°)	286.6	3.5			G3/500
BL	(0°-30°)	194.0	2.4	B1/500		
BM	(30°-60°)	1195.9	14.5	B2/2500		
BH	(60°-80°)	2320.8	28.1	B3/2500		G2/5000
BVH	(80°-90°)	286.6	3.5			G3/500
UL	(90°-100°)	189.2	2.3		U3/500	
UH	(100°-180°)	61.1	0.7		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	670.4	670.4	670.4	670.4	670.4	670.4	670.4	670.4	670.4	670.4	670.4
2.5°	592.8	605.2	602.1	623.8	642.5	648.7	661.1	661.1	664.2	664.2	664.2
5°	561.8	561.8	561.8	561.8	561.8	558.7	571.1	626.9	645.6	648.7	645.6
7.5°	487.3	502.8	527.6	536.9	546.2	543.1	536.9	502.8	555.6	561.8	564.9
10°	524.5	524.5	524.5	518.3	493.5	471.8	446.9	422.1	431.4	487.3	487.3
12.5°	465.5	462.4	509.0	515.2	468.7	409.7	391.1	400.4	372.4	425.2	425.2
15°	524.5	524.5	515.2	484.2	388.0	409.7	347.6	350.7	397.3	459.3	459.3
17.5°	446.9	450.0	502.8	471.8	422.1	329.0	384.9	347.6	356.9	391.1	394.2
20°	533.8	533.8	518.3	403.5	397.3	409.7	353.8	344.5	397.3	459.3	462.4
22.5°	459.3	459.3	465.5	468.7	409.7	403.5	353.8	400.4	375.5	375.5	419.0
25°	555.6	555.6	540.0	428.3	450.0	391.1	409.7	375.5	459.3	505.9	505.9
27.5°	487.3	487.3	468.7	487.3	434.5	465.5	409.7	443.8	493.5	595.9	602.1
30°	592.8	592.8	577.3	484.2	481.1	453.1	456.2	515.2	636.2	701.4	701.4
32.5°	720.0	723.1	626.9	555.6	487.3	521.4	496.6	586.6	664.2	732.5	735.6
35°	772.8	772.8	738.7	645.6	530.7	549.3	540.0	620.7	713.8	769.7	769.7
37.5°	834.9	834.9	810.1	692.1	583.5	608.3	564.9	667.3	769.7	819.4	813.2
40°	900.1	890.7	875.2	741.8	639.4	645.6	608.3	716.9	822.5	872.1	872.1
42.5°	980.8	980.8	952.8	825.6	695.2	704.5	648.7	779.0	900.1	959.0	962.1
45°	1070.8	1067.7	1039.7	918.7	763.5	779.0	716.9	862.8	996.3	1052.1	1058.3
47.5°	1176.3	1176.3	1142.1	1018.0	850.4	865.9	794.5	946.6	1114.2	1163.9	1170.1
50°	1288.0	1278.7	1247.7	1132.8	965.2	959.0	881.4	1039.7	1238.4	1272.5	1284.9
52.5°	1418.4	1406.0	1393.5	1263.2	1092.5	1095.6	993.2	1139.0	1381.1	1399.7	1406.0
55°	1548.7	1539.4	1530.1	1424.6	1232.1	1250.8	1142.1	1275.6	1523.9	1536.3	1548.7
57.5°	1694.6	1703.9	1703.9	1604.6	1390.4	1437.0	1303.5	1446.3	1694.6	1685.3	1682.2
60°	1905.6	1887.0	1908.7	1818.7	1607.7	1644.9	1502.2	1654.2	1859.1	1821.8	1812.5
62.5°	2076.3	2073.2	2098.1	2057.7	1809.4	1902.5	1697.7	1852.9	2014.3	1983.2	1986.3
65°	2271.9	2268.8	2299.8	2281.2	2020.5	2138.4	1911.8	2076.3	2200.5	2166.3	2160.1
67.5°	2461.2	2470.5	2507.7	2532.6	2191.2	2343.3	2116.7	2287.4	2383.6	2327.7	2333.9
70°	2694.0	2678.4	2709.5	2712.6	2330.8	2492.2	2275.0	2420.8	2538.8	2501.5	2495.3
72.5°	2824.3	2815.0	2846.0	2842.9	2436.4	2591.5	2349.5	2504.6	2635.0	2628.8	2619.5
75°	2681.6	2694.0	2734.3	2790.2	2442.6	2647.4	2340.2	2448.8	2551.2	2517.1	2507.7
77.5°	2104.3	2129.1	2225.3	2405.3	2278.1	2625.7	2175.7	2147.7	2169.4	2129.1	2104.3
80°	1117.3	1139.0	1343.9	1651.1	1828.0	2281.2	1828.0	1561.1	1331.5	1167.0	1027.3
82.5°	356.9	384.9	481.1	760.4	1154.6	1589.1	1058.3	599.0	412.8	353.8	332.1
85°	195.5	201.7	217.3	294.8	406.6	642.5	431.4	254.5	223.5	214.2	211.0
87.5°	164.5	167.6	136.6	167.6	195.5	201.7	195.5	139.7	142.8	158.3	155.2
90°	173.8	173.8	139.7	164.5	195.5	198.6	195.5	145.9	142.8	167.6	164.5
92.5°	189.3	189.3	158.3	176.9	217.3	211.0	211.0	152.1	158.3	180.0	180.0
95°	201.7	198.6	170.7	180.0	229.7	235.9	229.7	161.4	170.7	195.5	195.5
97.5°	149.0	142.8	124.1	161.4	217.3	248.3	229.7	152.1	133.5	149.0	145.9
100°	71.4	68.3	65.2	121.0	170.7	189.3	164.5	108.6	59.0	37.2	37.2
102.5°	15.5	15.5	43.5	83.8	99.3	99.3	90.0	74.5	37.2	12.4	12.4
105°	12.4	15.5	31.0	46.6	49.7	27.9	43.5	46.6	21.7	12.4	12.4
107.5°	12.4	15.5	12.4	15.5	15.5	12.4	15.5	18.6	9.3	12.4	12.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.5	15.5	6.2	6.2	6.2	6.2	6.2	6.2	6.2	12.4	15.5
115°	12.4	12.4	6.2	6.2	6.2	6.2	3.1	6.2	6.2	12.4	12.4
117.5°	12.4	12.4	6.2	3.1	3.1	3.1	3.1	6.2	6.2	12.4	15.5
120°	15.5	12.4	6.2	3.1	3.1	3.1	3.1	3.1	9.3	15.5	15.5
122.5°	15.5	15.5	6.2	3.1	3.1	3.1	3.1	3.1	9.3	15.5	18.6
125°	15.5	12.4	6.2	3.1	3.1	3.1	3.1	3.1	6.2	15.5	15.5
127.5°	12.4	12.4	6.2	3.1	3.1	3.1	3.1	3.1	6.2	12.4	15.5
130°	12.4	12.4	6.2	3.1	3.1	3.1	3.1	3.1	6.2	12.4	12.4
132.5°	9.3	9.3	6.2	3.1	3.1	0.0	3.1	3.1	6.2	9.3	9.3
135°	6.2	6.2	3.1	0.0	3.1	0.0	3.1	0.0	3.1	6.2	9.3
137.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
140°	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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	3.1	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	3.1	0.0	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1
150°	3.1	3.1	6.2	3.1	3.1	0.0	3.1	3.1	0.0	0.0	3.1
152.5°	6.2	6.2	6.2	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1
155°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	6.2	6.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
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°	15.5	15.5	6.2	6.2	6.2	6.2	6.2	6.2	6.2	12.4	15.5
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