

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: P561056

Luminaire Tested: **SDL-PA1-80-730-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561056
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-PA1-80-730-U-5WQ-A
Description: Springdale
(1) 70 CRI, 3000K, 1050mA 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: 8193.2 lumens
Efficiency: N/A
Efficacy: 99.9 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: B3 - U3 - G3

Input Watts (W): 82
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



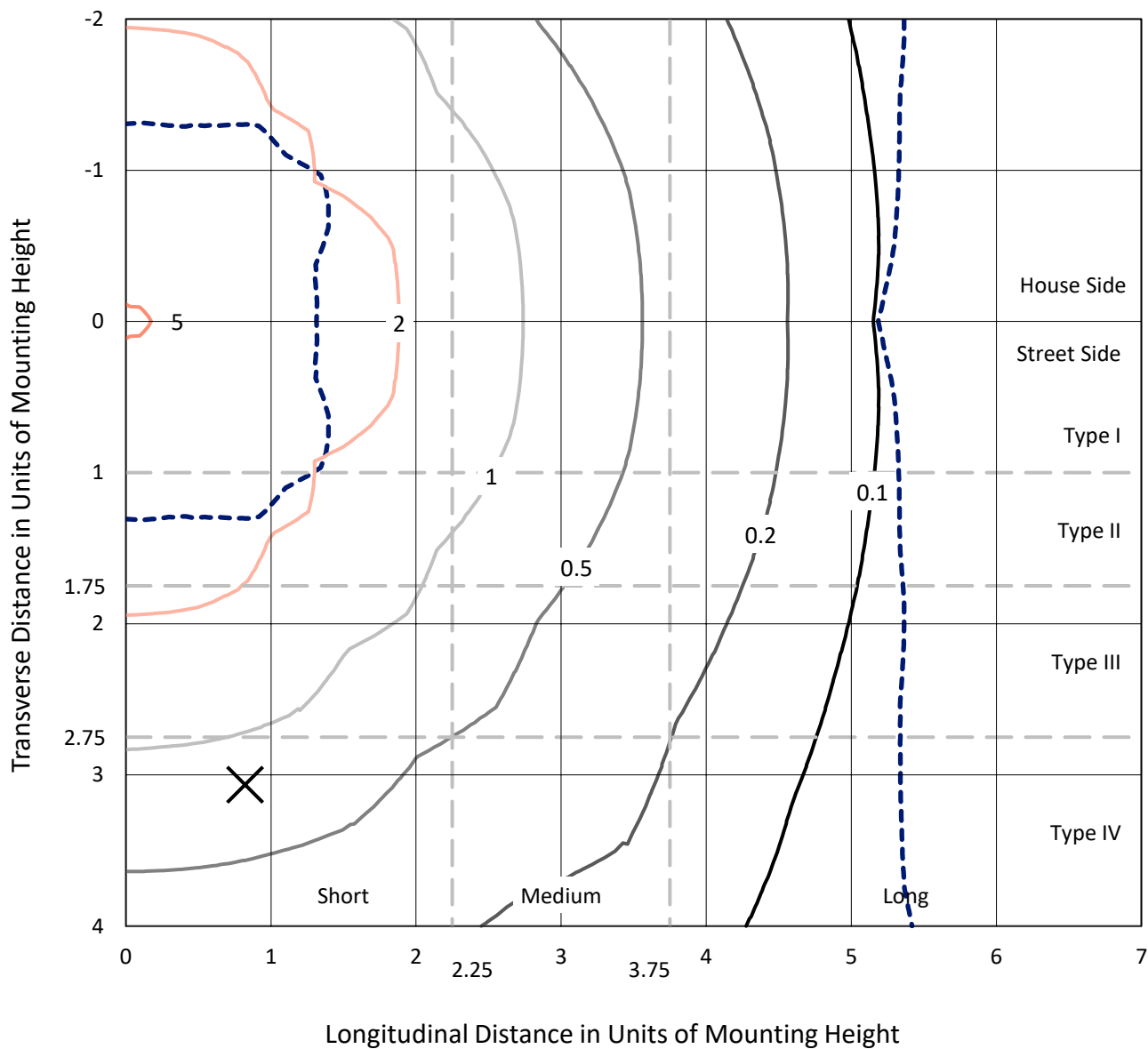
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



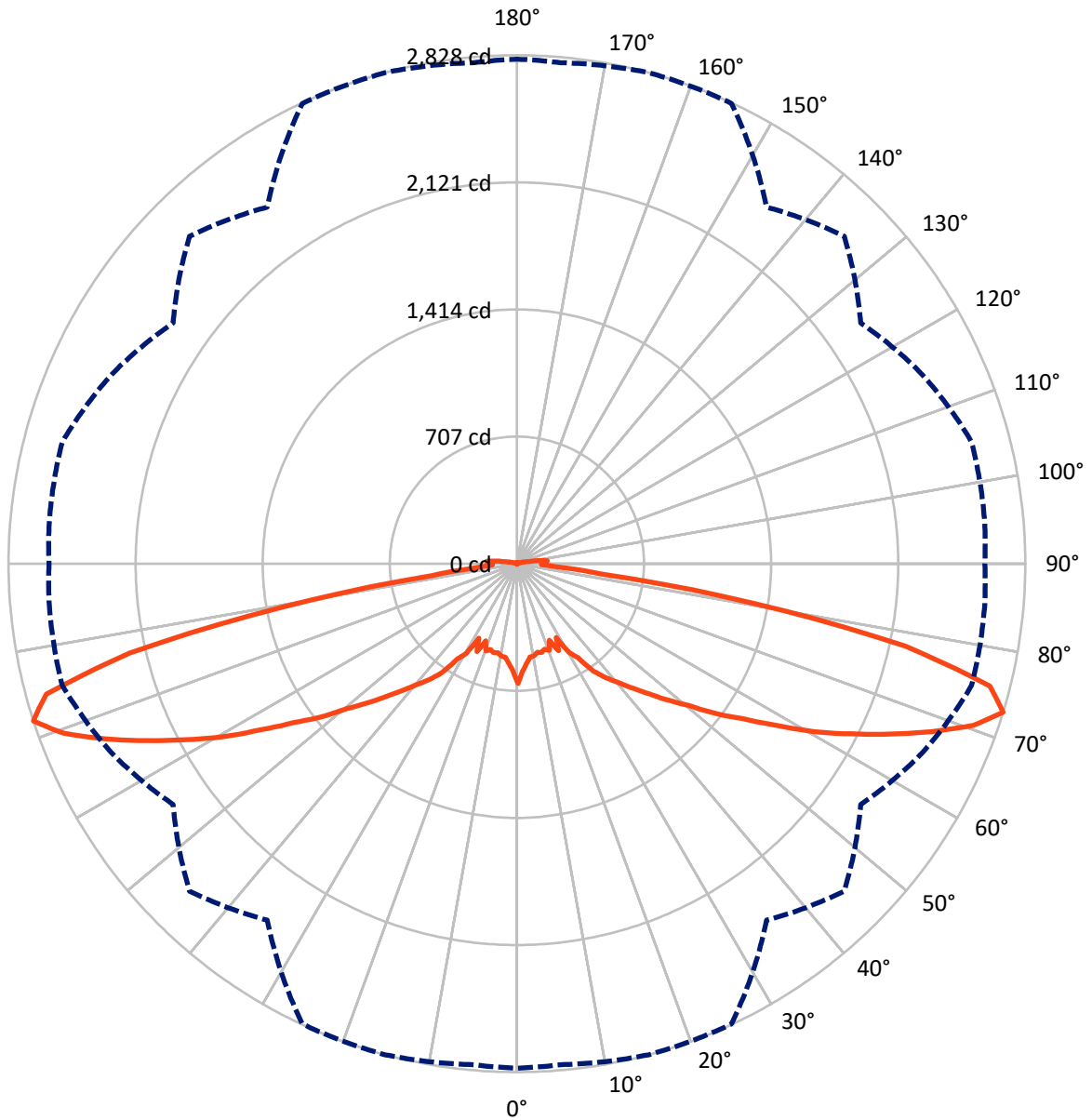
Based on 10 foot mounting height. Maximum calculated value = 6.7 fc

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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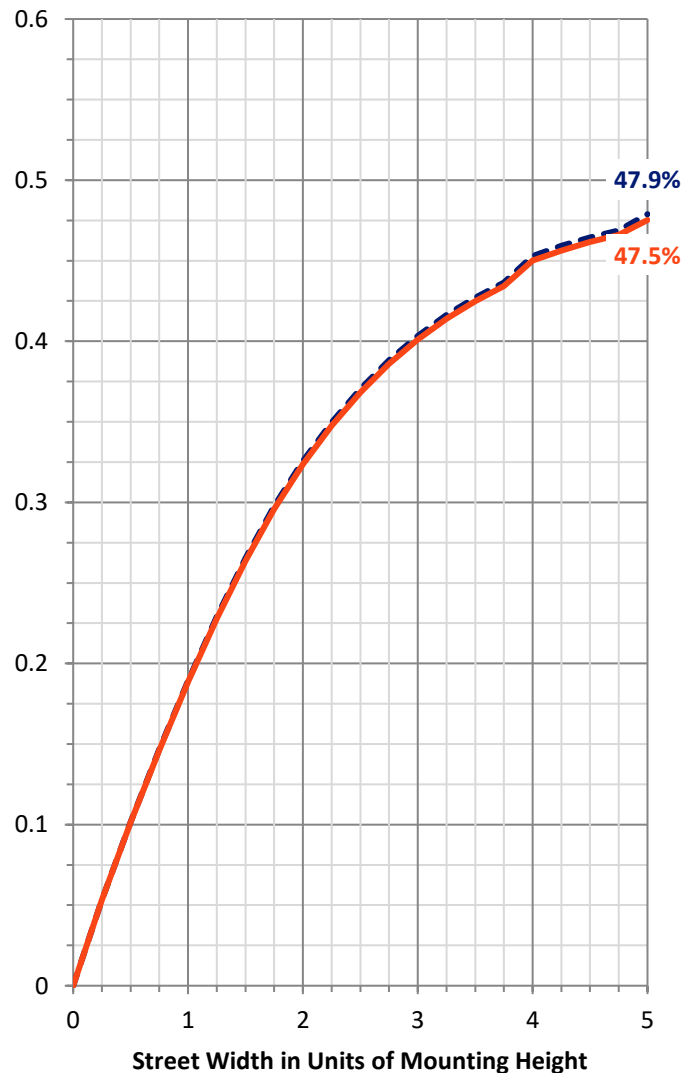
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3972.2	124.4	4096.6
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3972.2	124.4	4096.6
	% Fixture	48.5	1.5	50.0
Total	Lumens	7944.4	248.8	8193.2
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.5	0.6
10°-20°	120.9	1.5
20°-30°	212.2	2.6
30°-40°	409.7	5.0
40°-50°	712.1	8.7
50°-60°	1254.9	15.3
60°-70°	2120.1	25.9
70°-80°	2492.3	30.4
80°-90°	569.7	7.0
90°-100°	188.0	2.3
100°-110°	44.3	0.5
110°-120°	7.2	0.1
120°-130°	5.7	0.1
130°-140°	2.3	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°	7944.4	97.0
0°-180°	8193.2	100.0



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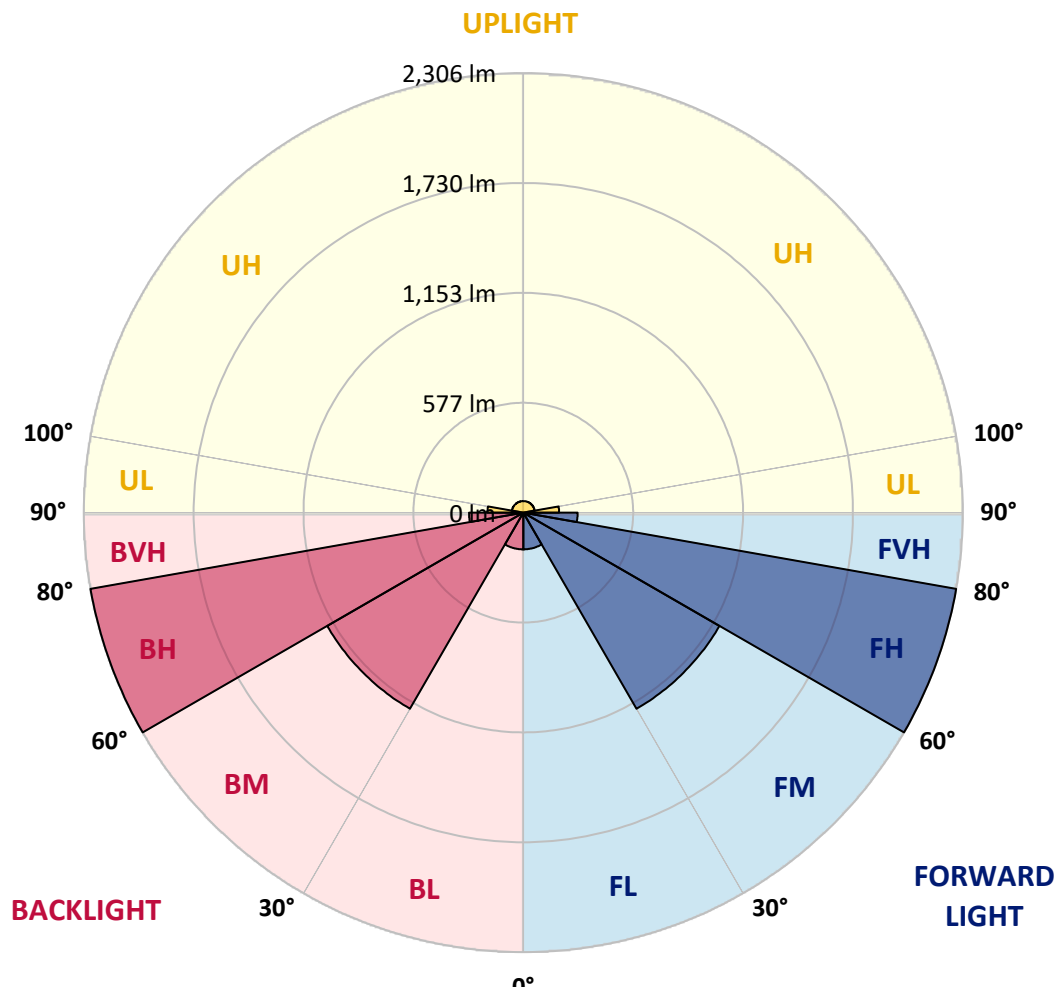
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.8	2.4			
FM	(30°-60°)	1188.4	14.5			
FH	(60°-80°)	2306.2	28.1			G2/5000
FVH	(80°-90°)	284.8	3.5			G3/500
BL	(0°-30°)	192.8	2.4	B1/500		
BM	(30°-60°)	1188.4	14.5	B2/2500		
BH	(60°-80°)	2306.2	28.1	B3/2500		G2/5000
BVH	(80°-90°)	284.8	3.5			G3/500
UL	(90°-100°)	188.0	2.3		U3/500	
UH	(100°-180°)	60.8	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°	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2	666.2
2.5°	589.1	601.4	598.3	619.9	638.4	644.6	656.9	656.9	660.0	660.0	660.0
5°	558.2	558.2	558.2	558.2	558.2	555.1	567.5	623.0	641.5	644.6	641.5
7.5°	484.2	499.6	524.3	533.5	542.8	539.7	533.5	499.6	552.0	558.2	561.3
10°	521.2	521.2	521.2	515.0	490.4	468.8	444.1	419.4	428.7	484.2	484.2
12.5°	462.6	459.5	505.8	512.0	465.7	407.1	388.6	397.8	370.1	422.5	422.5
15°	521.2	521.2	512.0	481.1	385.5	407.1	345.4	348.5	394.8	456.4	456.4
17.5°	444.1	447.2	499.6	468.8	419.4	326.9	382.4	345.4	354.7	388.6	391.7
20°	530.5	530.5	515.0	400.9	394.8	407.1	351.6	342.3	394.8	456.4	459.5
22.5°	456.4	456.4	462.6	465.7	407.1	400.9	351.6	397.8	373.2	373.2	416.3
25°	552.0	552.0	536.6	425.6	447.2	388.6	407.1	373.2	456.4	502.7	502.7
27.5°	484.2	484.2	465.7	484.2	431.8	462.6	407.1	441.0	490.4	592.1	598.3
30°	589.1	589.1	573.6	481.1	478.0	450.3	453.4	512.0	632.2	697.0	697.0
32.5°	715.5	718.6	623.0	552.0	484.2	518.1	493.4	582.9	660.0	727.8	730.9
35°	767.9	767.9	734.0	641.5	527.4	545.9	536.6	616.8	709.3	764.8	764.8
37.5°	829.6	829.6	804.9	687.7	579.8	604.5	561.3	663.1	764.8	814.2	808.0
40°	894.4	885.1	869.7	737.1	635.3	641.5	604.5	712.4	817.3	866.6	866.6
42.5°	974.6	974.6	946.8	820.4	690.8	700.1	644.6	774.1	894.4	953.0	956.1
45°	1064.0	1060.9	1033.2	912.9	758.7	774.1	712.4	857.4	990.0	1045.5	1051.7
47.5°	1168.9	1168.9	1134.9	1011.6	845.0	860.4	789.5	940.6	1107.2	1156.5	1162.7
50°	1279.9	1270.6	1239.8	1125.7	959.1	953.0	875.9	1033.2	1230.5	1264.5	1276.8
52.5°	1409.4	1397.1	1384.7	1255.2	1085.6	1088.7	986.9	1131.8	1372.4	1390.9	1397.1
55°	1538.9	1529.7	1520.4	1415.6	1224.4	1242.9	1134.9	1267.5	1514.3	1526.6	1538.9
57.5°	1683.9	1693.1	1693.1	1594.5	1381.7	1427.9	1295.3	1437.2	1683.9	1674.6	1671.6
60°	1893.6	1875.1	1896.7	1807.3	1597.5	1634.5	1492.7	1643.8	1847.3	1810.3	1801.1
62.5°	2063.2	2060.1	2084.8	2044.7	1798.0	1890.5	1687.0	1841.2	2001.5	1970.7	1973.8
65°	2257.5	2254.4	2285.3	2266.8	2007.7	2124.9	1899.8	2063.2	2186.6	2152.7	2146.5
67.5°	2445.6	2454.9	2491.9	2516.6	2177.3	2328.5	2103.3	2272.9	2368.5	2313.0	2319.2
70°	2677.0	2661.5	2692.4	2695.5	2316.1	2476.5	2260.6	2405.6	2522.8	2485.7	2479.6
72.5°	2806.5	2797.2	2828.1	2825.0	2421.0	2575.2	2334.6	2488.8	2618.4	2612.2	2602.9
75°	2664.6	2677.0	2717.0	2772.6	2427.1	2630.7	2325.4	2433.3	2535.1	2501.2	2491.9
77.5°	2091.0	2115.7	2211.3	2390.1	2263.7	2609.1	2161.9	2134.2	2155.7	2115.7	2091.0
80°	1110.3	1131.8	1335.4	1640.7	1816.5	2266.8	1816.5	1551.3	1323.1	1159.6	1020.8
82.5°	354.7	382.4	478.0	755.6	1147.3	1579.0	1051.7	595.2	410.2	351.6	330.0
85°	194.3	200.5	215.9	293.0	404.0	638.4	428.7	252.9	222.1	212.8	209.7
87.5°	163.5	166.5	135.7	166.5	194.3	200.5	194.3	138.8	141.9	157.3	154.2
90°	172.7	172.7	138.8	163.5	194.3	197.4	194.3	145.0	141.9	166.5	163.5
92.5°	188.1	188.1	157.3	175.8	215.9	209.7	209.7	151.1	157.3	178.9	178.9
95°	200.5	197.4	169.6	178.9	228.2	234.4	228.2	160.4	169.6	194.3	194.3
97.5°	148.0	141.9	123.4	160.4	215.9	246.7	228.2	151.1	132.6	148.0	145.0
100°	70.9	67.8	64.8	120.3	169.6	188.1	163.5	107.9	58.6	37.0	37.0
102.5°	15.4	15.4	43.2	83.3	98.7	98.7	89.4	74.0	37.0	12.3	12.3
105°	12.3	15.4	30.8	46.3	49.3	27.8	43.2	46.3	21.6	12.3	12.3
107.5°	12.3	15.4	12.3	15.4	15.4	12.3	15.4	18.5	9.3	12.3	12.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	15.4	15.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	12.3	15.4
115°	12.3	12.3	6.2	6.2	6.2	6.2	3.1	6.2	6.2	12.3	12.3
117.5°	12.3	12.3	6.2	3.1	3.1	3.1	3.1	6.2	6.2	12.3	15.4
120°	15.4	12.3	6.2	3.1	3.1	3.1	3.1	3.1	9.3	15.4	15.4
122.5°	15.4	15.4	6.2	3.1	3.1	3.1	3.1	3.1	9.3	15.4	18.5
125°	15.4	12.3	6.2	3.1	3.1	3.1	3.1	3.1	6.2	15.4	15.4
127.5°	12.3	12.3	6.2	3.1	3.1	3.1	3.1	3.1	6.2	12.3	15.4
130°	12.3	12.3	6.2	3.1	3.1	3.1	3.1	3.1	6.2	12.3	12.3
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°	15.4	15.4	6.2	6.2	6.2	6.2	6.2	6.2	6.2	12.3	15.4
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