

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: P561232

Luminaire Tested: **SDL-PA1-90-730-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561232
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-PA1-90-730-U-5WQ-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 8978.8 lumens
Efficiency: N/A
Efficacy: 97.2 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: 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

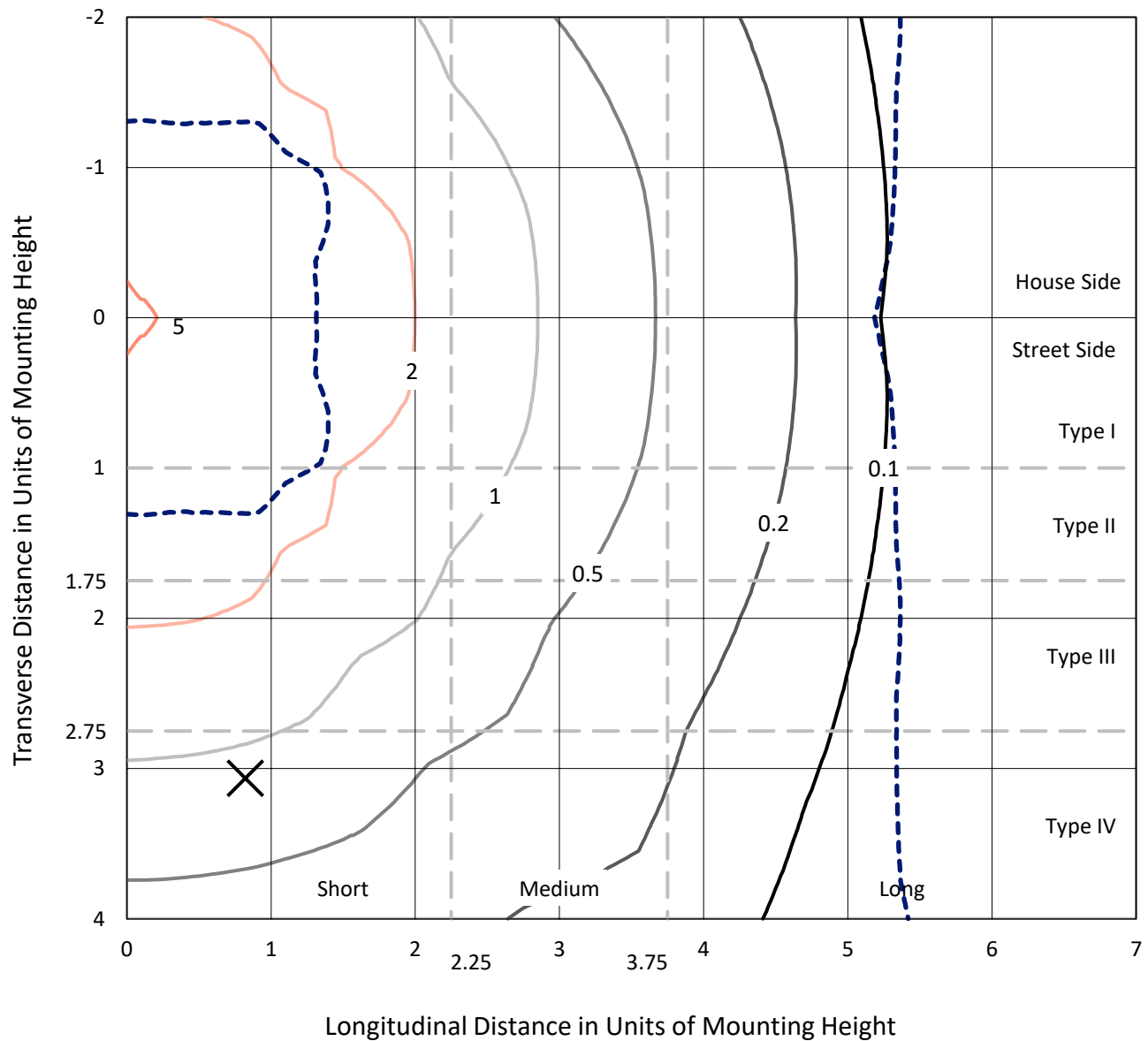


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

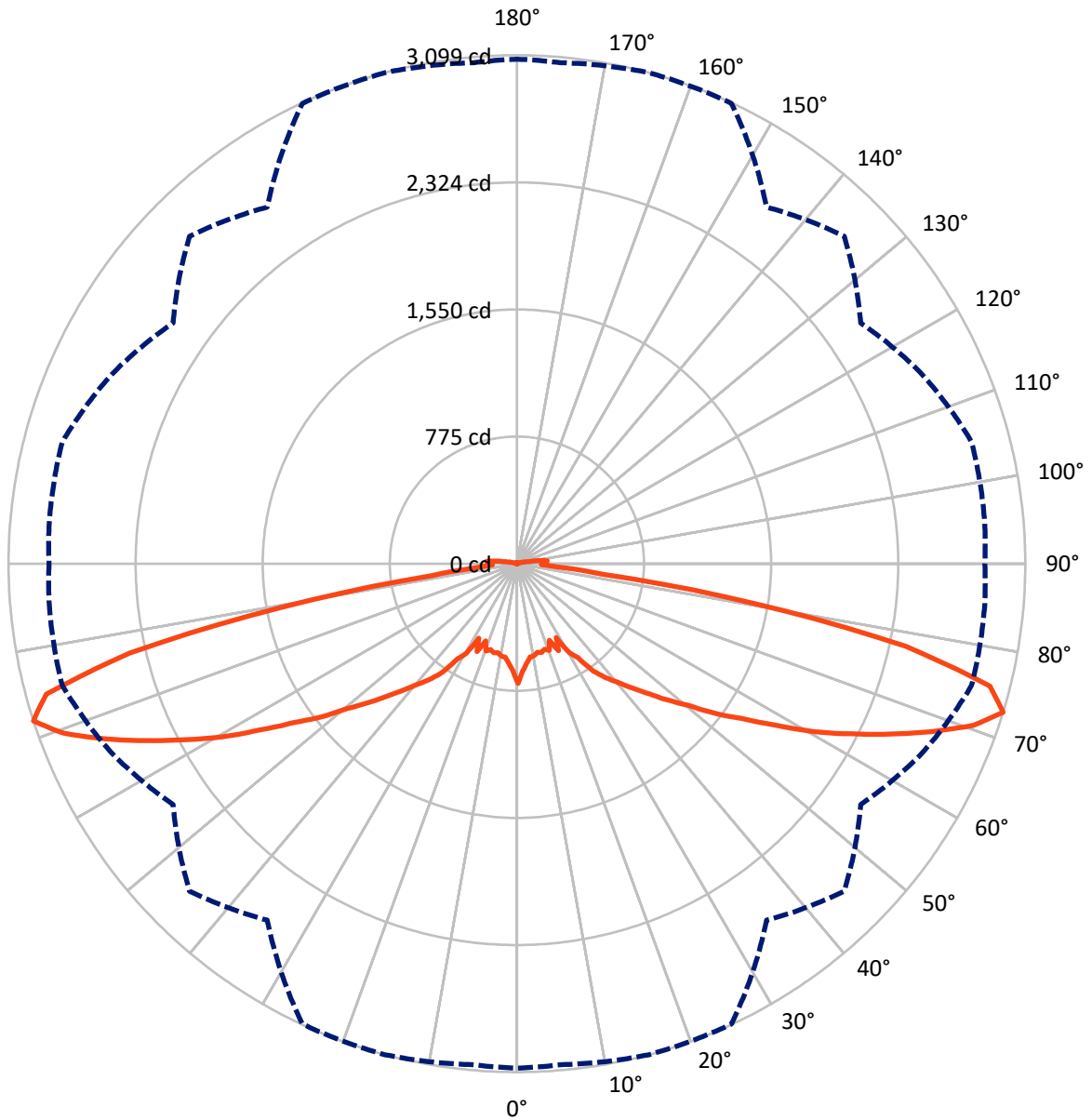


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
Type V - Short - N/A

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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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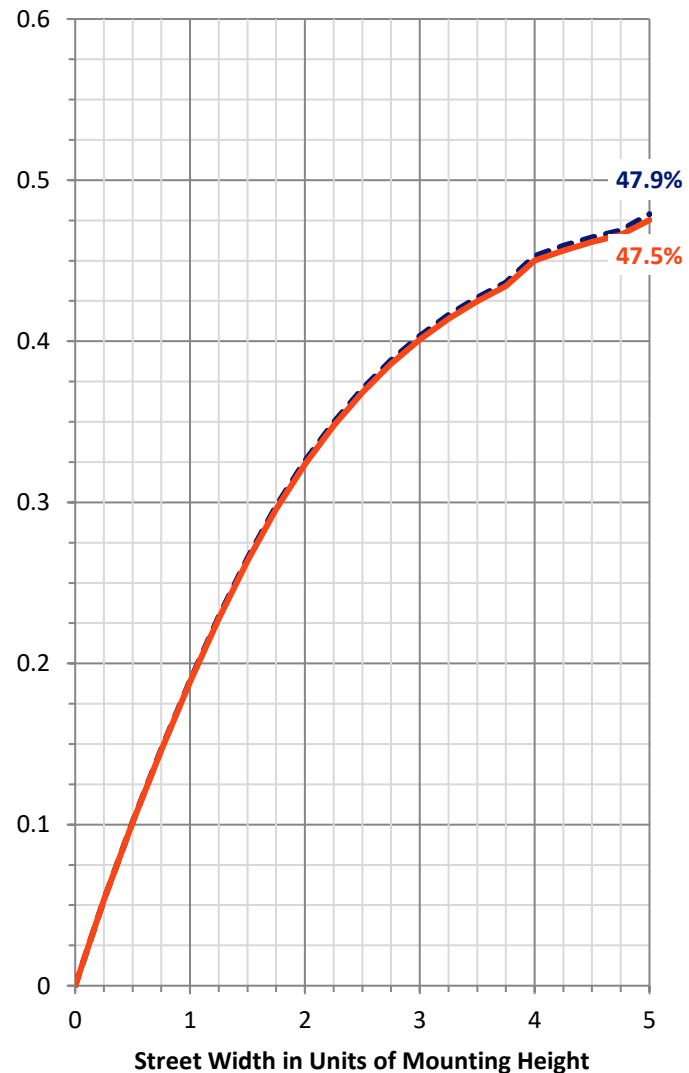
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4353.1	136.3	4489.4
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	4353.1	136.3	4489.4
	% Fixture	48.5	1.5	50.0
Total	Lumens	8706.1	272.7	8978.8
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.6	0.6
10°-20°	132.4	1.5
20°-30°	232.6	2.6
30°-40°	449.0	5.0
40°-50°	780.4	8.7
50°-60°	1375.2	15.3
60°-70°	2323.4	25.9
70°-80°	2731.2	30.4
80°-90°	624.3	7.0
90°-100°	206.0	2.3
100°-110°	48.6	0.5
110°-120°	7.8	0.1
120°-130°	6.2	0.1
130°-140°	2.6	0.0
140°-150°	0.5	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8706.1	97.0
0°-180°	8978.8	100.0



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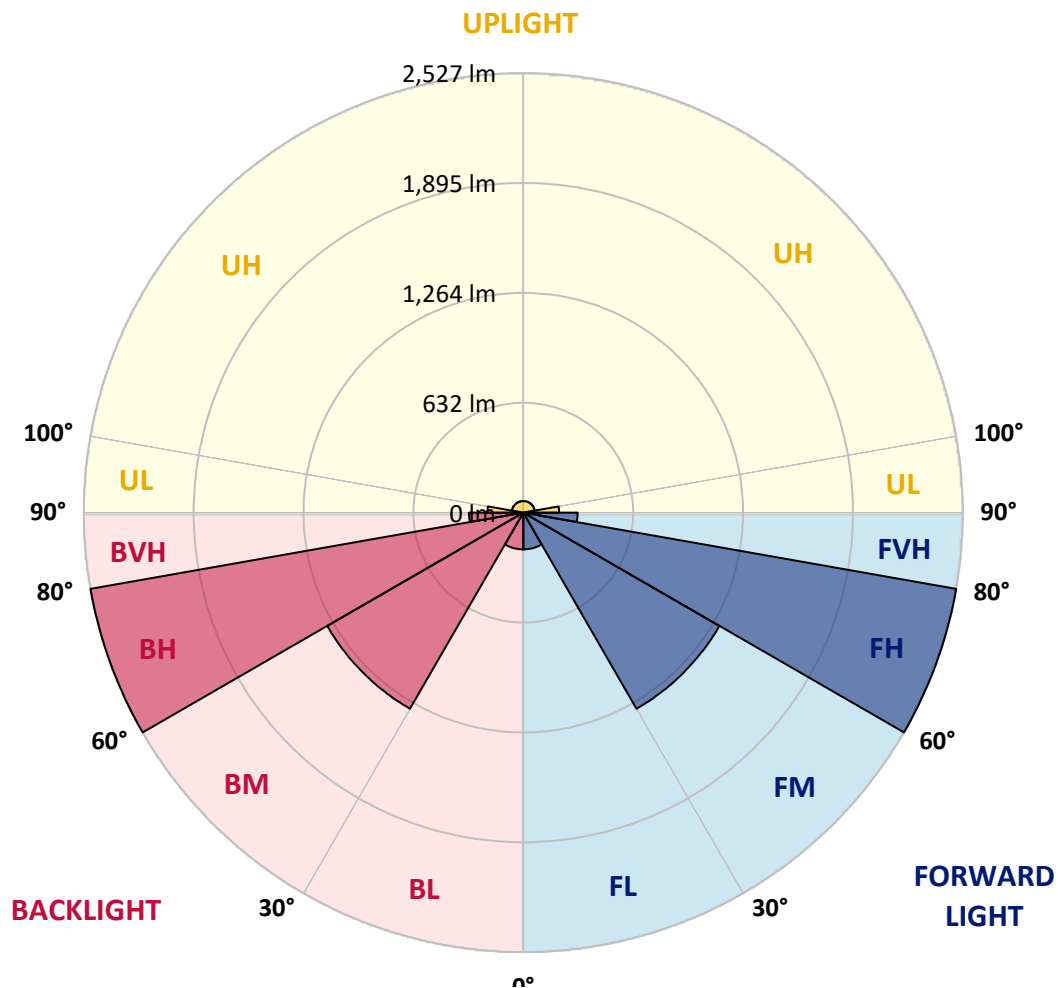
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.3	2.4			
FM	(30°-60°)	1302.3	14.5			
FH	(60°-80°)	2527.3	28.1			G2/5000
FVH	(80°-90°)	312.1	3.5			G3/500
BL	(0°-30°)	211.3	2.4	B1/500		
BM	(30°-60°)	1302.3	14.5	B2/2500		
BH	(60°-80°)	2527.3	28.1	B4/5000		G2/5000
BVH	(80°-90°)	312.1	3.5			G3/500
UL	(90°-100°)	206.0	2.3		U3/500	
UH	(100°-180°)	66.6	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°	730.0	730.0	730.0	730.0	730.0	730.0	730.0	730.0	730.0	730.0	730.0
2.5°	645.5	659.1	655.7	679.3	699.6	706.4	719.9	719.9	723.3	723.3	723.3
5°	611.7	611.7	611.7	611.7	611.7	608.4	621.9	682.7	703.0	706.4	703.0
7.5°	530.6	547.5	574.6	584.7	594.8	591.5	584.7	547.5	605.0	611.7	615.1
10°	571.2	571.2	571.2	564.4	537.4	513.7	486.7	459.6	469.8	530.6	530.6
12.5°	507.0	503.6	554.3	561.0	510.3	446.1	425.9	436.0	405.6	463.0	463.0
15°	571.2	571.2	561.0	527.2	422.5	446.1	378.5	381.9	432.6	500.2	500.2
17.5°	486.7	490.1	547.5	513.7	459.6	358.3	419.1	378.5	388.7	425.9	429.2
20°	581.3	581.3	564.4	439.4	432.6	446.1	385.3	375.2	432.6	500.2	503.6
22.5°	500.2	500.2	507.0	510.3	446.1	439.4	385.3	436.0	409.0	409.0	456.3
25°	605.0	605.0	588.1	466.4	490.1	425.9	446.1	409.0	500.2	550.9	550.9
27.5°	530.6	530.6	510.3	530.6	473.2	507.0	446.1	483.3	537.4	648.9	655.7
30°	645.5	645.5	628.6	527.2	523.9	493.4	496.8	561.0	692.9	763.8	763.8
32.5°	784.1	787.5	682.7	605.0	530.6	567.8	540.8	638.8	723.3	797.6	801.0
35°	841.6	841.6	804.4	703.0	577.9	598.2	588.1	676.0	777.3	838.2	838.2
37.5°	909.2	909.2	882.1	753.7	635.4	662.4	615.1	726.7	838.2	892.3	885.5
40°	980.1	970.0	953.1	807.8	696.2	703.0	662.4	780.7	895.6	949.7	949.7
42.5°	1068.0	1068.0	1037.6	899.0	757.1	767.2	706.4	848.3	980.1	1044.3	1047.7
45°	1166.0	1162.6	1132.2	1000.4	831.4	848.3	780.7	939.6	1084.9	1145.7	1152.5
47.5°	1280.9	1280.9	1243.8	1108.6	926.1	943.0	865.2	1030.8	1213.3	1267.4	1274.2
50°	1402.6	1392.5	1358.7	1233.6	1051.1	1044.3	959.9	1132.2	1348.5	1385.7	1399.2
52.5°	1544.6	1531.0	1517.5	1375.6	1189.7	1193.1	1081.5	1240.4	1504.0	1524.3	1531.0
55°	1686.5	1676.4	1666.2	1551.3	1341.8	1362.0	1243.8	1389.1	1659.5	1673.0	1686.5
57.5°	1845.4	1855.5	1855.5	1747.3	1514.1	1564.8	1419.5	1575.0	1845.4	1835.2	1831.8
60°	2075.2	2054.9	2078.6	1980.5	1750.7	1791.3	1635.8	1801.4	2024.5	1983.9	1973.8
62.5°	2261.1	2257.7	2284.7	2240.8	1970.4	2071.8	1848.7	2017.7	2193.5	2159.7	2163.1
65°	2474.0	2470.6	2504.4	2484.1	2200.2	2328.7	2081.9	2261.1	2396.3	2359.1	2352.3
67.5°	2680.2	2690.3	2730.9	2757.9	2386.1	2551.7	2305.0	2490.9	2595.7	2534.8	2541.6
70°	2933.6	2916.7	2950.5	2953.9	2538.2	2714.0	2477.4	2636.2	2764.7	2724.1	2717.3
72.5°	3075.6	3065.5	3099.3	3095.9	2653.1	2822.1	2558.5	2727.5	2869.4	2862.7	2852.5
75°	2920.1	2933.6	2977.6	3038.4	2659.9	2882.9	2548.3	2666.6	2778.2	2741.0	2730.9
77.5°	2291.5	2318.5	2423.3	2619.3	2480.8	2859.3	2369.2	2338.8	2362.5	2318.5	2291.5
80°	1216.7	1240.4	1463.4	1798.0	1990.7	2484.1	1990.7	1700.0	1449.9	1270.8	1118.7
82.5°	388.7	419.1	523.9	828.0	1257.3	1730.4	1152.5	652.3	449.5	385.3	361.6
85°	212.9	219.7	236.6	321.1	442.8	699.6	469.8	277.1	243.3	233.2	229.8
87.5°	179.1	182.5	148.7	182.5	212.9	219.7	212.9	152.1	155.5	172.4	169.0
90°	189.3	189.3	152.1	179.1	212.9	216.3	212.9	158.8	155.5	182.5	179.1
92.5°	206.2	206.2	172.4	192.6	236.6	229.8	229.8	165.6	172.4	196.0	196.0
95°	219.7	216.3	185.9	196.0	250.1	256.9	250.1	175.7	185.9	212.9	212.9
97.5°	162.2	155.5	135.2	175.7	236.6	270.4	250.1	165.6	145.3	162.2	158.8
100°	77.7	74.4	71.0	131.8	185.9	206.2	179.1	118.3	64.2	40.6	40.6
102.5°	16.9	16.9	47.3	91.3	108.2	108.2	98.0	81.1	40.6	13.5	13.5
105°	13.5	16.9	33.8	50.7	54.1	30.4	47.3	50.7	23.7	13.5	13.5
107.5°	13.5	16.9	13.5	16.9	16.9	13.5	16.9	20.3	10.1	13.5	13.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.9	16.9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	13.5	16.9
115°	13.5	13.5	6.8	6.8	6.8	6.8	3.4	6.8	6.8	13.5	13.5
117.5°	13.5	13.5	6.8	3.4	3.4	3.4	3.4	6.8	6.8	13.5	16.9
120°	16.9	13.5	6.8	3.4	3.4	3.4	3.4	3.4	10.1	16.9	16.9
122.5°	16.9	16.9	6.8	3.4	3.4	3.4	3.4	3.4	10.1	16.9	20.3
125°	16.9	13.5	6.8	3.4	3.4	3.4	3.4	3.4	6.8	16.9	16.9
127.5°	13.5	13.5	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.5	16.9
130°	13.5	13.5	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.5	13.5
132.5°	10.1	10.1	6.8	3.4	3.4	0.0	3.4	3.4	6.8	10.1	10.1
135°	6.8	6.8	3.4	0.0	3.4	0.0	3.4	0.0	3.4	6.8	10.1
137.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
140°	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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	3.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	3.4	0.0	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4
150°	3.4	3.4	6.8	3.4	3.4	0.0	3.4	3.4	0.0	0.0	3.4
152.5°	6.8	6.8	6.8	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4
155°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	6.8	6.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
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°	16.9	16.9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	13.5	16.9
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