

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: P560902

Luminaire Tested: **SDL-PA1-70-740-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560902
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-PA1-70-740-U-5WQ-A
Description: Springdale
(1) 70 CRI, 4000K, 930mA 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: 8195 lumens
Efficiency: N/A
Efficacy: 113.5 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): 72.2
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

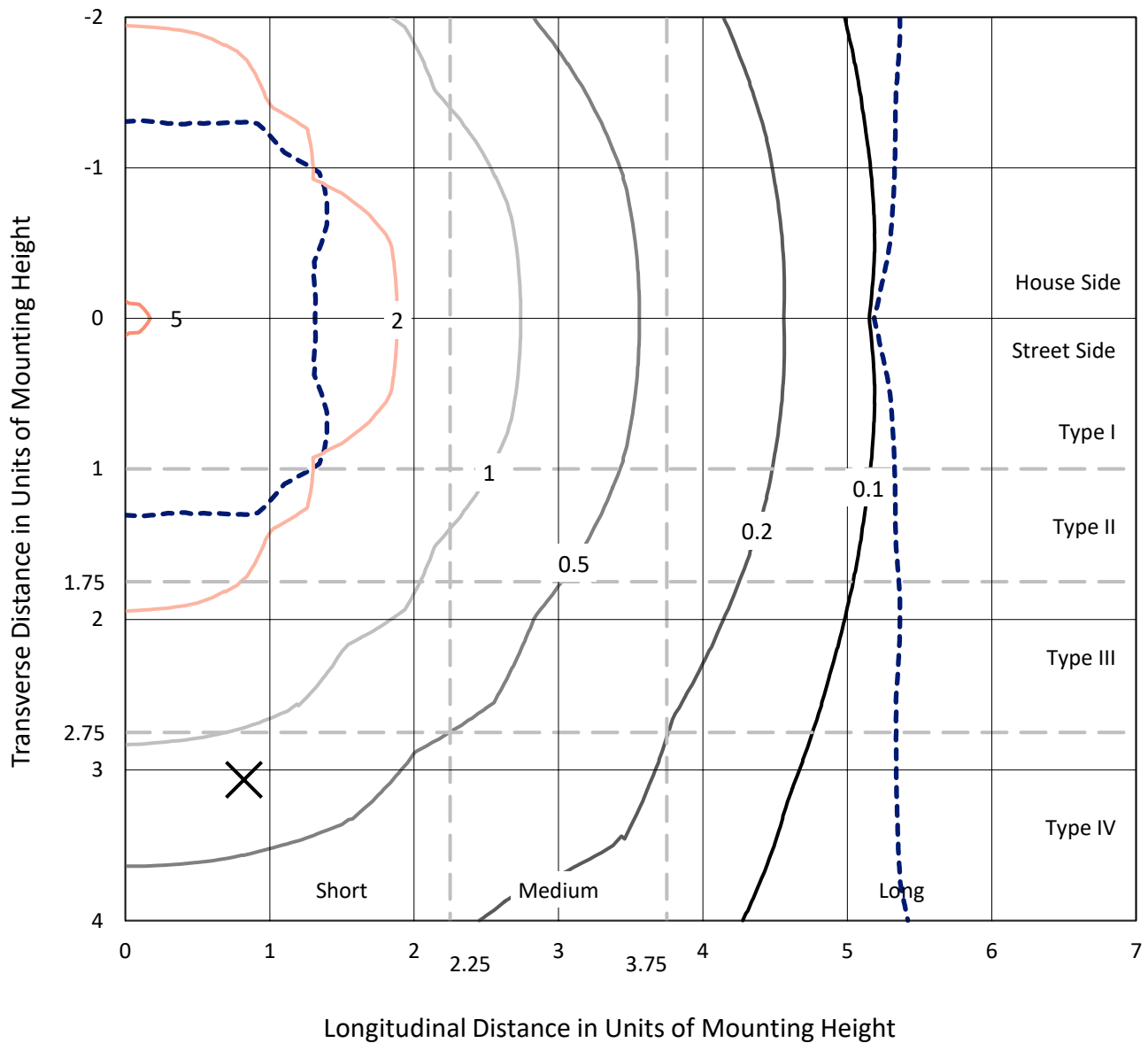


REPORT NUMBER: P560902

CATALOG NUMBER: SDL-PA1-70-740-U-5WQ-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

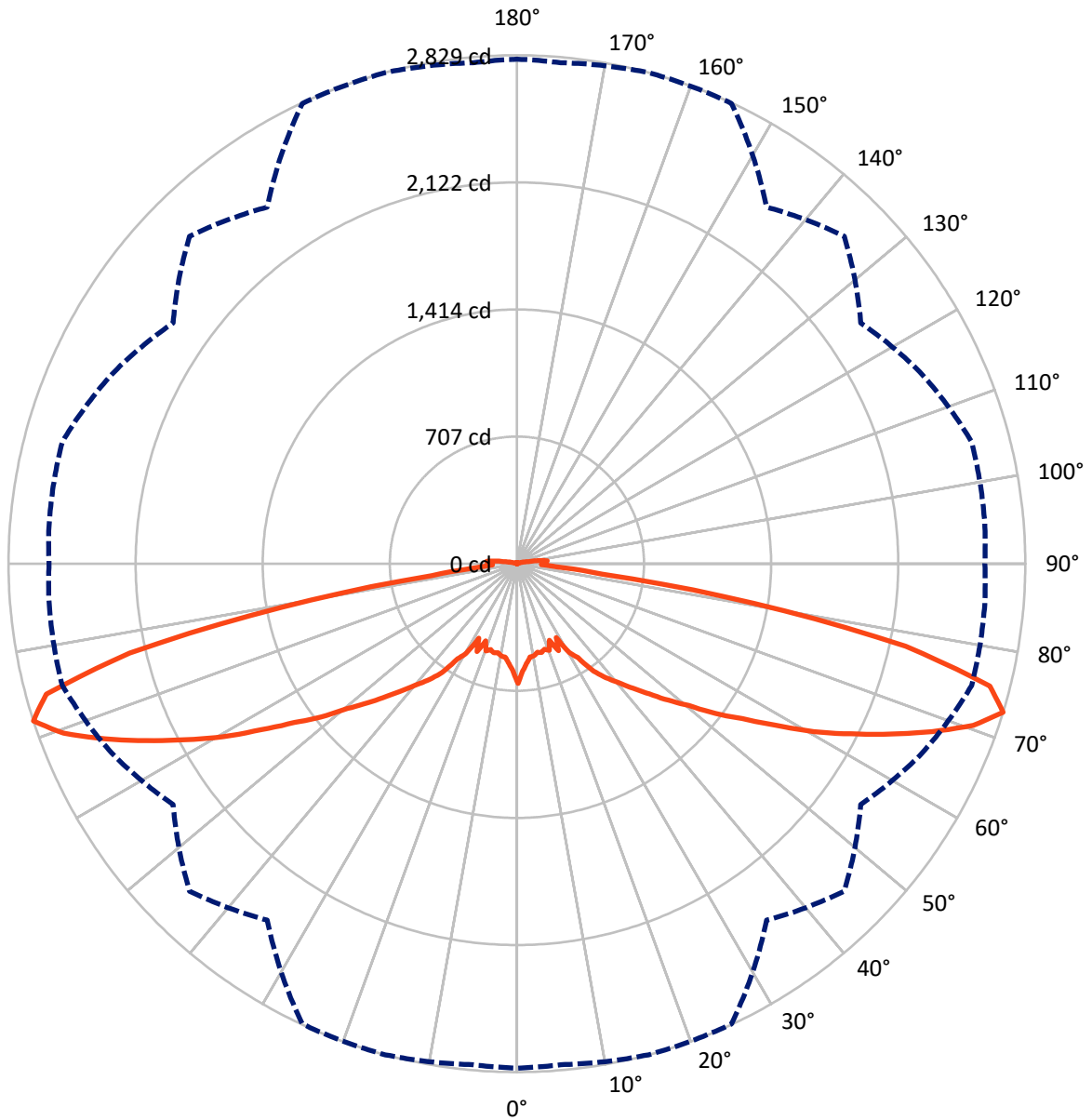


Based on 10 foot mounting height. Maximum calculated value = 6.7 fc
Type V - Short - N/A

REPORT NUMBER: P560902

CATALOG NUMBER: SDL-PA1-70-740-U-5WQ-A

Luminous Intensity Polar Plot



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

REPORT NUMBER: P560902

CATALOG NUMBER: SDL-PA1-70-740-U-5WQ-A

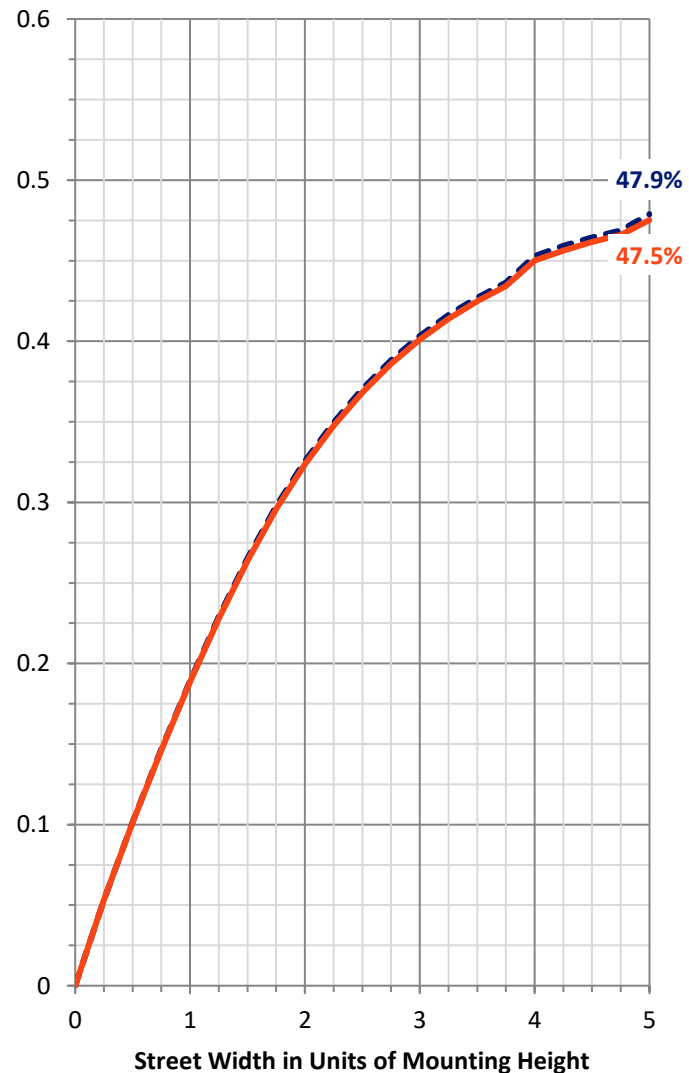
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3973.1	124.4	4097.5
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3973.1	124.4	4097.5
	% Fixture	48.5	1.5	50.0
Total	Lumens	7946.2	248.8	8195.0
	% 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°	212.3	2.6
30°-40°	409.8	5.0
40°-50°	712.3	8.7
50°-60°	1255.2	15.3
60°-70°	2120.6	25.9
70°-80°	2492.8	30.4
80°-90°	569.8	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°	7946.2	97.0
0°-180°	8195.0	100.0



REPORT NUMBER: P560902

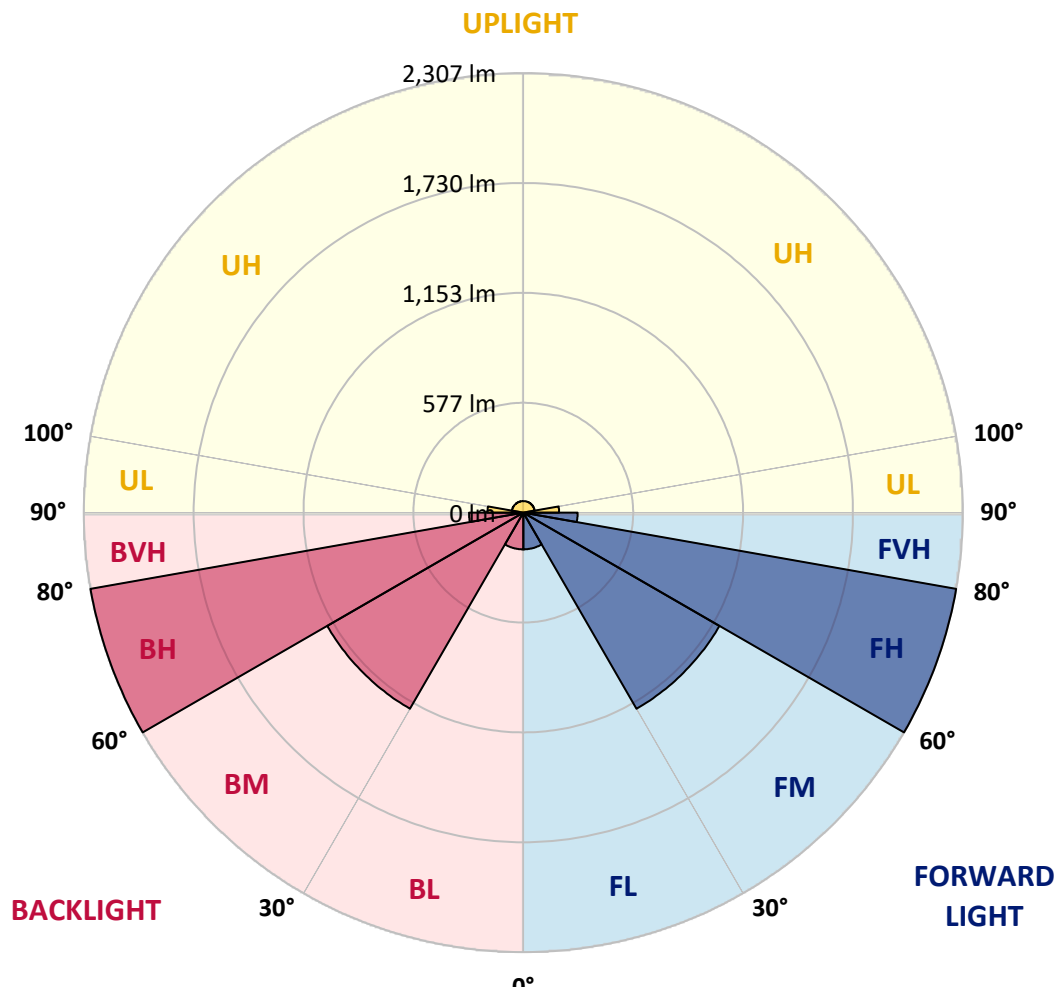
CATALOG NUMBER: SDL-PA1-70-740-U-5WQ-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	192.9	2.4			
FM	(30°-60°)	1188.6	14.5			
FH	(60°-80°)	2306.7	28.1			G2/5000
FVH	(80°-90°)	284.9	3.5			G3/500
BL	(0°-30°)	192.9	2.4	B1/500		
BM	(30°-60°)	1188.6	14.5	B2/2500		
BH	(60°-80°)	2306.7	28.1	B3/2500		G2/5000
BVH	(80°-90°)	284.9	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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CATALOG NUMBER: SDL-PA1-70-740-U-5WQ-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3	666.3
2.5°	589.2	601.5	598.4	620.0	638.5	644.7	657.1	657.1	660.1	660.1	660.1
5°	558.3	558.3	558.3	558.3	558.3	555.3	567.6	623.1	641.6	644.7	641.6
7.5°	484.3	499.7	524.4	533.7	542.9	539.8	533.7	499.7	552.2	558.3	561.4
10°	521.3	521.3	521.3	515.2	490.5	468.9	444.2	419.5	428.8	484.3	484.3
12.5°	462.7	459.6	505.9	512.1	465.8	407.2	388.7	397.9	370.2	422.6	422.6
15°	521.3	521.3	512.1	481.2	385.6	407.2	345.5	348.6	394.8	456.5	456.5
17.5°	444.2	447.3	499.7	468.9	419.5	327.0	382.5	345.5	354.7	388.7	391.8
20°	530.6	530.6	515.2	401.0	394.8	407.2	351.7	342.4	394.8	456.5	459.6
22.5°	456.5	456.5	462.7	465.8	407.2	401.0	351.7	397.9	373.3	373.3	416.4
25°	552.2	552.2	536.7	425.7	447.3	388.7	407.2	373.3	456.5	502.8	502.8
27.5°	484.3	484.3	465.8	484.3	431.9	462.7	407.2	441.1	490.5	592.3	598.4
30°	589.2	589.2	573.8	481.2	478.1	450.4	453.5	512.1	632.4	697.2	697.2
32.5°	715.7	718.7	623.1	552.2	484.3	518.2	493.6	583.0	660.1	728.0	731.1
35°	768.1	768.1	734.2	641.6	527.5	546.0	536.7	617.0	709.5	765.0	765.0
37.5°	829.8	829.8	805.1	687.9	579.9	604.6	561.4	663.2	765.0	814.4	808.2
40°	894.6	885.3	869.9	737.3	635.5	641.6	604.6	712.6	817.5	866.8	866.8
42.5°	974.8	974.8	947.0	820.5	691.0	700.2	644.7	774.3	894.6	953.2	956.3
45°	1064.2	1061.2	1033.4	913.1	758.9	774.3	712.6	857.6	990.2	1045.7	1051.9
47.5°	1169.1	1169.1	1135.2	1011.8	845.2	860.6	789.7	940.9	1107.4	1156.8	1163.0
50°	1280.2	1270.9	1240.1	1125.9	959.4	953.2	876.1	1033.4	1230.8	1264.8	1277.1
52.5°	1409.7	1397.4	1385.1	1255.5	1085.8	1088.9	987.1	1132.1	1372.7	1391.2	1397.4
55°	1539.3	1530.0	1520.8	1415.9	1224.6	1243.2	1135.2	1267.8	1514.6	1527.0	1539.3
57.5°	1684.3	1693.5	1693.5	1594.8	1382.0	1428.2	1295.6	1437.5	1684.3	1675.0	1671.9
60°	1894.0	1875.5	1897.1	1807.7	1597.9	1634.9	1493.0	1644.2	1847.8	1810.8	1801.5
62.5°	2063.7	2060.6	2085.3	2045.2	1798.4	1891.0	1687.4	1841.6	2002.0	1971.2	1974.2
65°	2258.0	2255.0	2285.8	2267.3	2008.2	2125.4	1900.2	2063.7	2187.1	2153.2	2147.0
67.5°	2446.2	2455.5	2492.5	2517.2	2177.8	2329.0	2103.8	2273.5	2369.1	2313.6	2319.7
70°	2677.6	2662.1	2693.0	2696.1	2316.7	2477.1	2261.1	2406.1	2523.3	2486.3	2480.1
72.5°	2807.1	2797.9	2828.7	2825.6	2421.5	2575.8	2335.2	2489.4	2619.0	2612.8	2603.5
75°	2665.2	2677.6	2717.7	2773.2	2427.7	2631.3	2325.9	2433.9	2535.7	2501.7	2492.5
77.5°	2091.5	2116.1	2211.8	2390.7	2264.2	2609.7	2162.4	2134.7	2156.2	2116.1	2091.5
80°	1110.5	1132.1	1335.7	1641.1	1816.9	2267.3	1816.9	1551.6	1323.4	1159.9	1021.1
82.5°	354.7	382.5	478.1	755.8	1147.5	1579.4	1051.9	595.4	410.3	351.7	330.1
85°	194.3	200.5	215.9	293.1	404.1	638.5	428.8	253.0	222.1	212.8	209.8
87.5°	163.5	166.6	135.7	166.6	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	166.6	163.5
92.5°	188.2	188.2	157.3	175.8	215.9	209.8	209.8	151.2	157.3	178.9	178.9
95°	200.5	197.4	169.7	178.9	228.3	234.4	228.3	160.4	169.7	194.3	194.3
97.5°	148.1	141.9	123.4	160.4	215.9	246.8	228.3	151.2	132.6	148.1	145.0
100°	70.9	67.9	64.8	120.3	169.7	188.2	163.5	108.0	58.6	37.0	37.0
102.5°	15.4	15.4	43.2	83.3	98.7	98.7	89.5	74.0	37.0	12.3	12.3
105°	12.3	15.4	30.8	46.3	49.4	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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