

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: P560418

Luminaire Tested: **SDL-PA1-40-760-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560418
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-PA1-40-760-U-5WQ-A
Description: Springdale
(1) 70 CRI, 5700K, 500mA 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: 4781.2 lumens
Efficiency: N/A
Efficacy: 121.3 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 - G2

Input Watts (W): 39.4
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



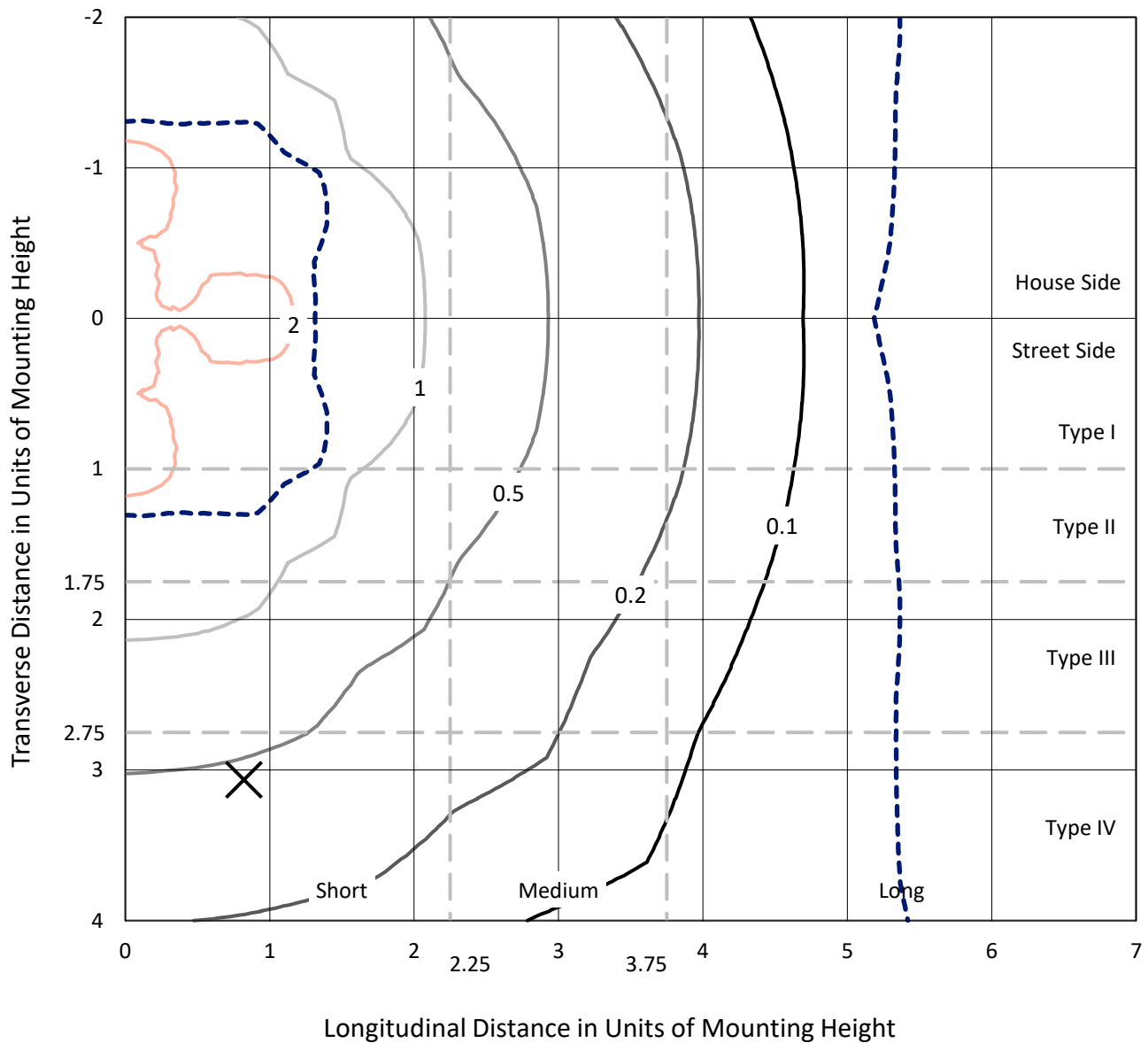
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



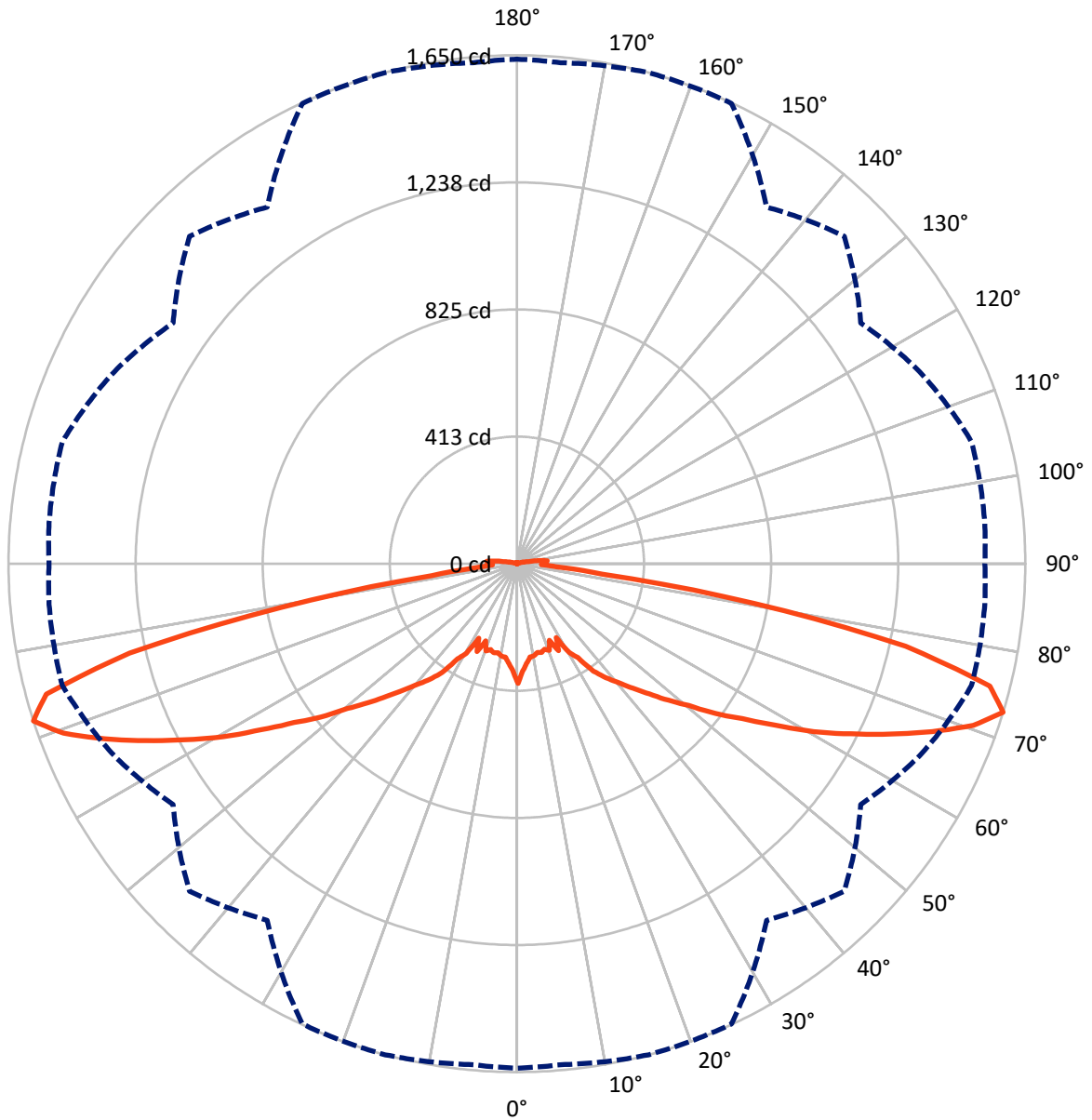
Based on 10 foot mounting height. Maximum calculated value = 3.9 fc

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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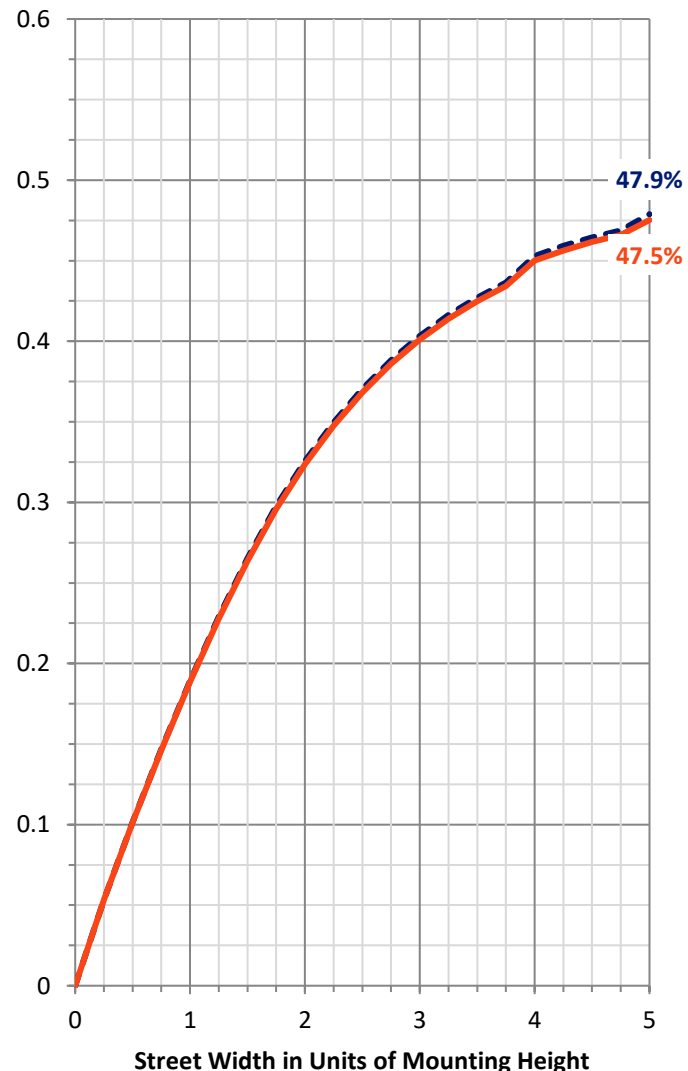
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2318.0	72.6	2390.6
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	2318.0	72.6	2390.6
	% Fixture	48.5	1.5	50.0
Total	Lumens	4636.0	145.2	4781.2
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.6	0.6
10°-20°	70.5	1.5
20°-30°	123.9	2.6
30°-40°	239.1	5.0
40°-50°	415.5	8.7
50°-60°	732.3	15.3
60°-70°	1237.2	25.9
70°-80°	1454.4	30.4
80°-90°	332.4	7.0
90°-100°	109.7	2.3
100°-110°	25.9	0.5
110°-120°	4.2	0.1
120°-130°	3.3	0.1
130°-140°	1.4	0.0
140°-150°	0.3	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4636.0	97.0
0°-180°	4781.2	100.0



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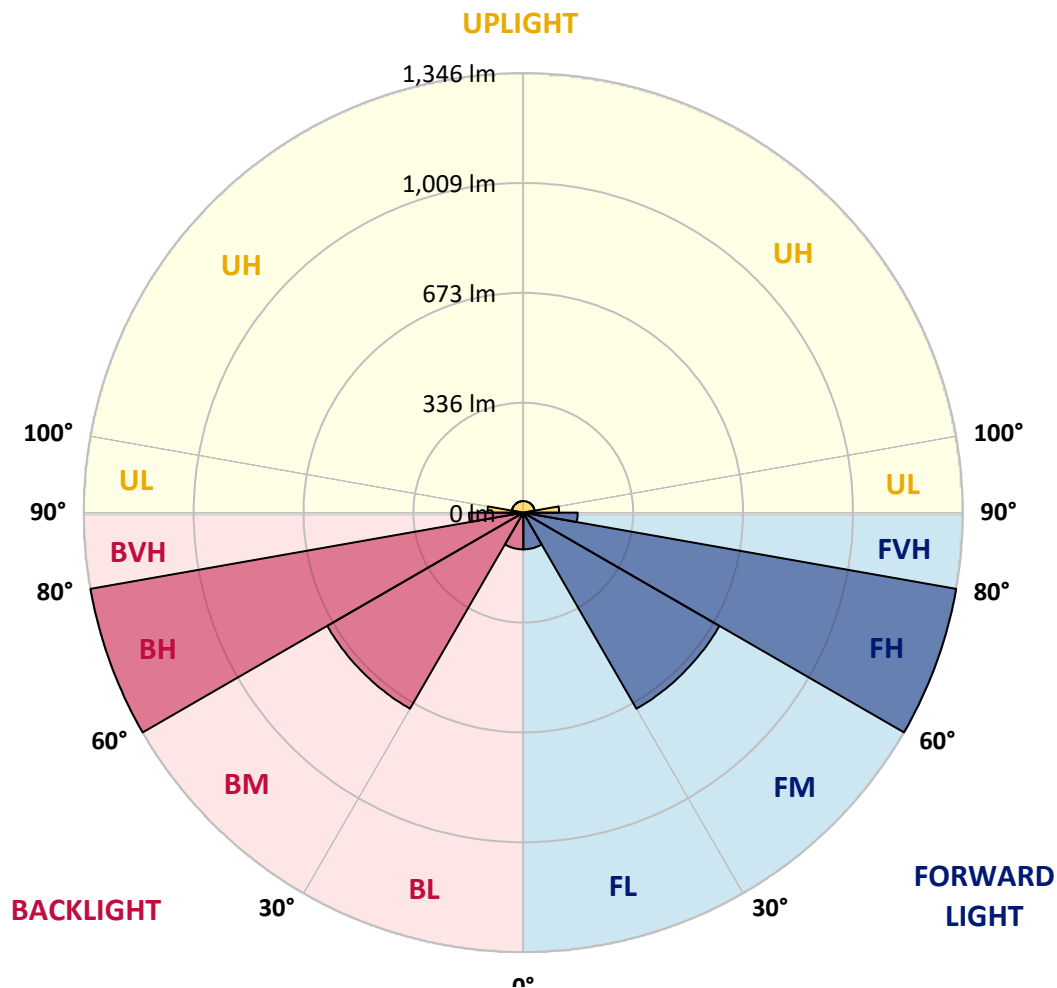
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.5	2.4			
FM	(30°-60°)	693.5	14.5			
FH	(60°-80°)	1345.8	28.1			G1/1800
FVH	(80°-90°)	166.2	3.5			G2/225
BL	(0°-30°)	112.5	2.4	B1/500		
BM	(30°-60°)	693.5	14.5	B1/1000		
BH	(60°-80°)	1345.8	28.1	B3/2500		G1/1800
BVH	(80°-90°)	166.2	3.5			G2/225
UL	(90°-100°)	109.7	2.3		U3/500	
UH	(100°-180°)	35.5	0.7		U2/50	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	388.7	388.7	388.7	388.7	388.7	388.7	388.7	388.7	388.7	388.7	388.7
2.5°	343.7	350.9	349.1	361.7	372.5	376.1	383.3	383.3	385.1	385.1	385.1
5°	325.7	325.7	325.7	325.7	325.7	323.9	331.1	363.5	374.3	376.1	374.3
7.5°	282.6	291.6	305.9	311.3	316.7	314.9	311.3	291.6	322.1	325.7	327.5
10°	304.2	304.2	304.2	300.6	286.2	273.6	259.2	244.8	250.2	282.6	282.6
12.5°	270.0	268.2	295.2	298.8	271.8	237.6	226.8	232.2	216.0	246.6	246.6
15°	304.2	304.2	298.8	280.8	225.0	237.6	201.6	203.4	230.4	266.4	266.4
17.5°	259.2	261.0	291.6	273.6	244.8	190.8	223.2	201.6	207.0	226.8	228.6
20°	309.5	309.5	300.6	234.0	230.4	237.6	205.2	199.8	230.4	266.4	268.2
22.5°	266.4	266.4	270.0	271.8	237.6	234.0	205.2	232.2	217.8	217.8	243.0
25°	322.1	322.1	313.1	248.4	261.0	226.8	237.6	217.8	266.4	293.4	293.4
27.5°	282.6	282.6	271.8	282.6	252.0	270.0	237.6	257.4	286.2	345.5	349.1
30°	343.7	343.7	334.7	280.8	279.0	262.8	264.6	298.8	368.9	406.7	406.7
32.5°	417.5	419.3	363.5	322.1	282.6	302.4	288.0	340.1	385.1	424.7	426.5
35°	448.1	448.1	428.3	374.3	307.7	318.5	313.1	359.9	413.9	446.3	446.3
37.5°	484.1	484.1	469.7	401.3	338.3	352.7	327.5	386.9	446.3	475.1	471.5
40°	521.9	516.5	507.5	430.1	370.7	374.3	352.7	415.7	476.9	505.7	505.7
42.5°	568.7	568.7	552.5	478.7	403.1	408.5	376.1	451.7	521.9	556.1	557.9
45°	620.9	619.1	602.9	532.7	442.7	451.7	415.7	500.3	577.7	610.1	613.7
47.5°	682.1	682.1	662.3	590.3	493.1	502.1	460.7	548.9	646.1	674.9	678.5
50°	746.9	741.5	723.5	656.9	559.7	556.1	511.1	602.9	718.1	737.9	745.1
52.5°	822.5	815.3	808.1	732.5	633.5	635.3	575.9	660.5	800.9	811.7	815.3
55°	898.1	892.7	887.3	826.1	714.5	725.3	662.3	739.7	883.7	890.9	898.1
57.5°	982.6	988.0	988.0	930.4	806.3	833.3	755.9	838.7	982.6	977.2	975.4
60°	1105.0	1094.2	1106.8	1054.6	932.2	953.8	871.1	959.2	1078.0	1056.4	1051.0
62.5°	1204.0	1202.2	1216.6	1193.2	1049.2	1103.2	984.4	1074.4	1168.0	1150.0	1151.8
65°	1317.4	1315.6	1333.6	1322.8	1171.6	1240.0	1108.6	1204.0	1276.0	1256.2	1252.6
67.5°	1427.2	1432.6	1454.2	1468.6	1270.6	1358.8	1227.4	1326.4	1382.2	1349.8	1353.4
70°	1562.1	1553.1	1571.1	1572.9	1351.6	1445.2	1319.2	1403.8	1472.2	1450.6	1447.0
72.5°	1637.7	1632.3	1650.3	1648.5	1412.8	1502.8	1362.4	1452.4	1527.9	1524.4	1519.0
75°	1554.9	1562.1	1585.5	1617.9	1416.4	1535.1	1357.0	1420.0	1479.4	1459.6	1454.2
77.5°	1220.2	1234.6	1290.4	1394.8	1321.0	1522.6	1261.6	1245.4	1258.0	1234.6	1220.2
80°	647.9	660.5	779.3	957.4	1060.0	1322.8	1060.0	905.3	772.1	676.7	595.7
82.5°	207.0	223.2	279.0	440.9	669.5	921.4	613.7	347.3	239.4	205.2	192.6
85°	113.4	117.0	126.0	171.0	235.8	372.5	250.2	147.6	129.6	124.2	122.4
87.5°	95.4	97.2	79.2	97.2	113.4	117.0	113.4	81.0	82.8	91.8	90.0
90°	100.8	100.8	81.0	95.4	113.4	115.2	113.4	84.6	82.8	97.2	95.4
92.5°	109.8	109.8	91.8	102.6	126.0	122.4	122.4	88.2	91.8	104.4	104.4
95°	117.0	115.2	99.0	104.4	133.2	136.8	133.2	93.6	99.0	113.4	113.4
97.5°	86.4	82.8	72.0	93.6	126.0	144.0	133.2	88.2	77.4	86.4	84.6
100°	41.4	39.6	37.8	70.2	99.0	109.8	95.4	63.0	34.2	21.6	21.6
102.5°	9.0	9.0	25.2	48.6	57.6	57.6	52.2	43.2	21.6	7.2	7.2
105°	7.2	9.0	18.0	27.0	28.8	16.2	25.2	27.0	12.6	7.2	7.2
107.5°	7.2	9.0	7.2	9.0	9.0	7.2	9.0	10.8	5.4	7.2	7.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.0	9.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.2	9.0
115°	7.2	7.2	3.6	3.6	3.6	3.6	1.8	3.6	3.6	7.2	7.2
117.5°	7.2	7.2	3.6	1.8	1.8	1.8	1.8	3.6	3.6	7.2	9.0
120°	9.0	7.2	3.6	1.8	1.8	1.8	1.8	1.8	5.4	9.0	9.0
122.5°	9.0	9.0	3.6	1.8	1.8	1.8	1.8	1.8	5.4	9.0	10.8
125°	9.0	7.2	3.6	1.8	1.8	1.8	1.8	1.8	3.6	9.0	9.0
127.5°	7.2	7.2	3.6	1.8	1.8	1.8	1.8	1.8	3.6	7.2	9.0
130°	7.2	7.2	3.6	1.8	1.8	1.8	1.8	1.8	3.6	7.2	7.2
132.5°	5.4	5.4	3.6	1.8	1.8	0.0	1.8	1.8	3.6	5.4	5.4
135°	3.6	3.6	1.8	0.0	1.8	0.0	1.8	0.0	1.8	3.6	5.4
137.5°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
140°	0.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8
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	1.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	1.8	0.0	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8
150°	1.8	1.8	3.6	1.8	1.8	0.0	1.8	1.8	0.0	0.0	1.8
152.5°	3.6	3.6	3.6	1.8	0.0	0.0	1.8	1.8	1.8	1.8	1.8
155°	1.8	1.8	1.8	0.0	0.0	0.0	0.0	1.8	1.8	3.6	3.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	1.8
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



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--- HS --- SS

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110°	9.0	9.0	3.6	3.6	3.6	3.6	3.6	3.6	3.6	7.2	9.0
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