

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: P560352

Luminaire Tested: **SDL-PA1-40-730-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560352
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-PA1-40-730-U-5WQ-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 4354.2 lumens
Efficiency: N/A
Efficacy: 110.5 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 - 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

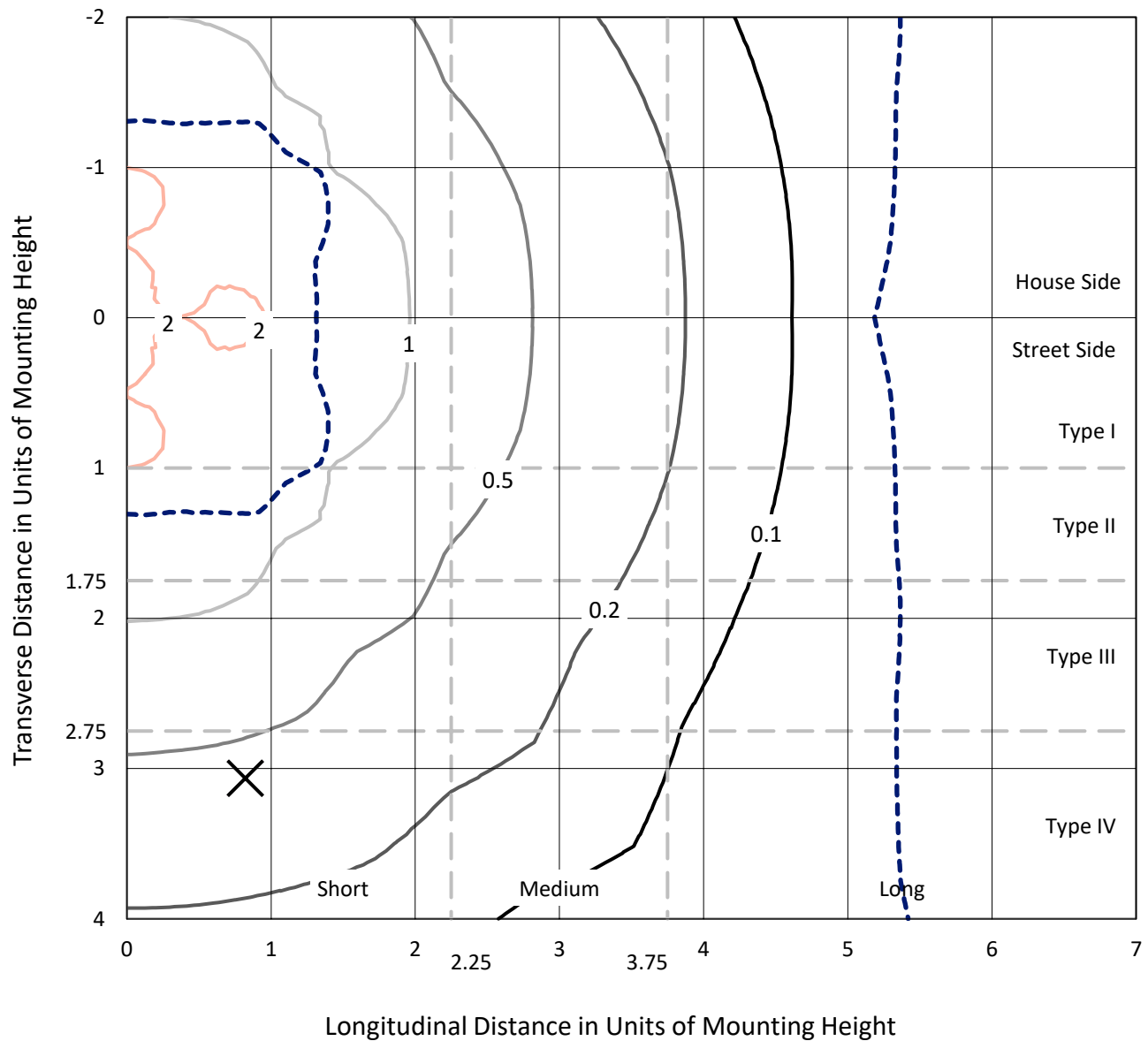


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

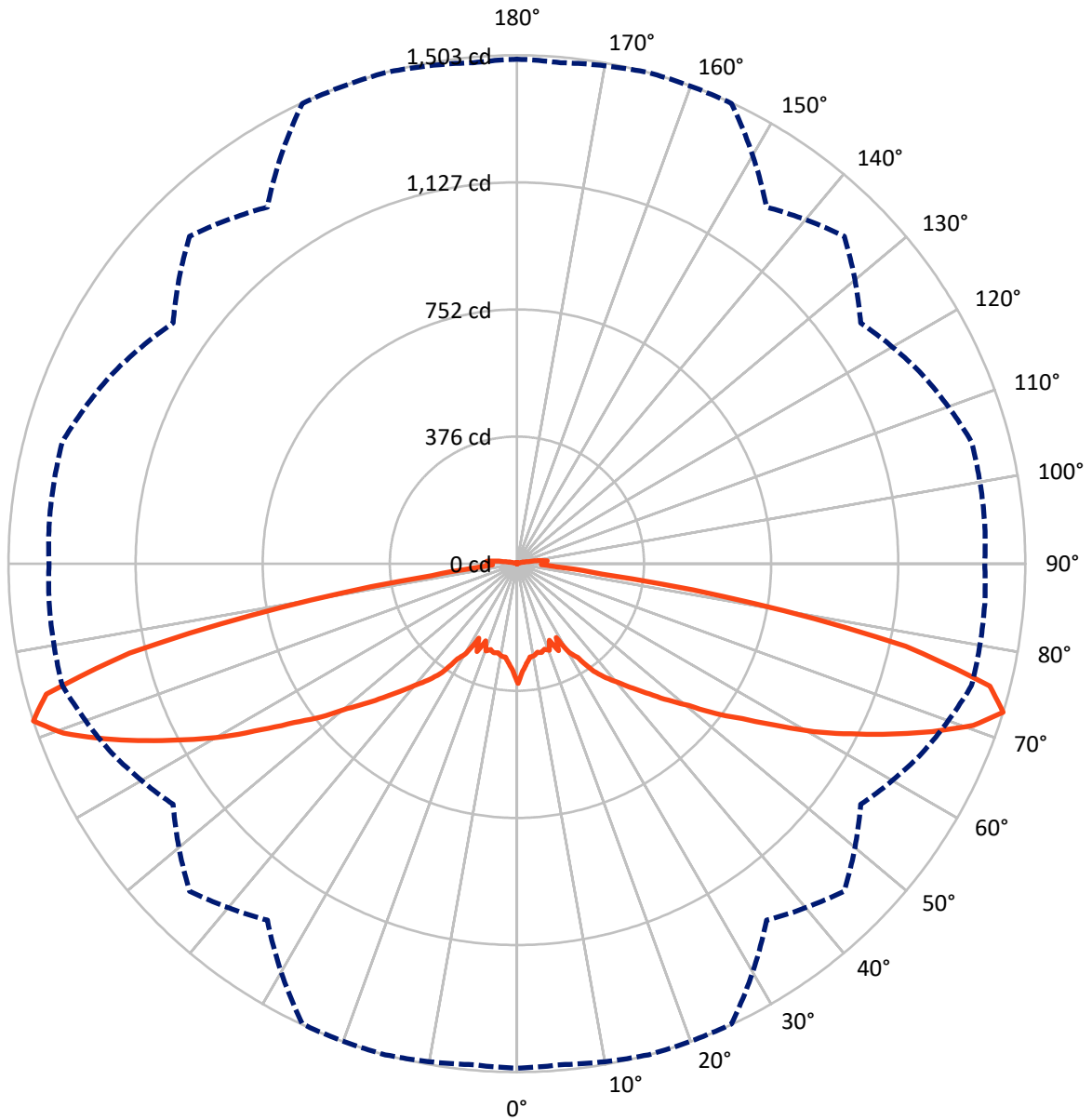


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
Type V - Short - N/A

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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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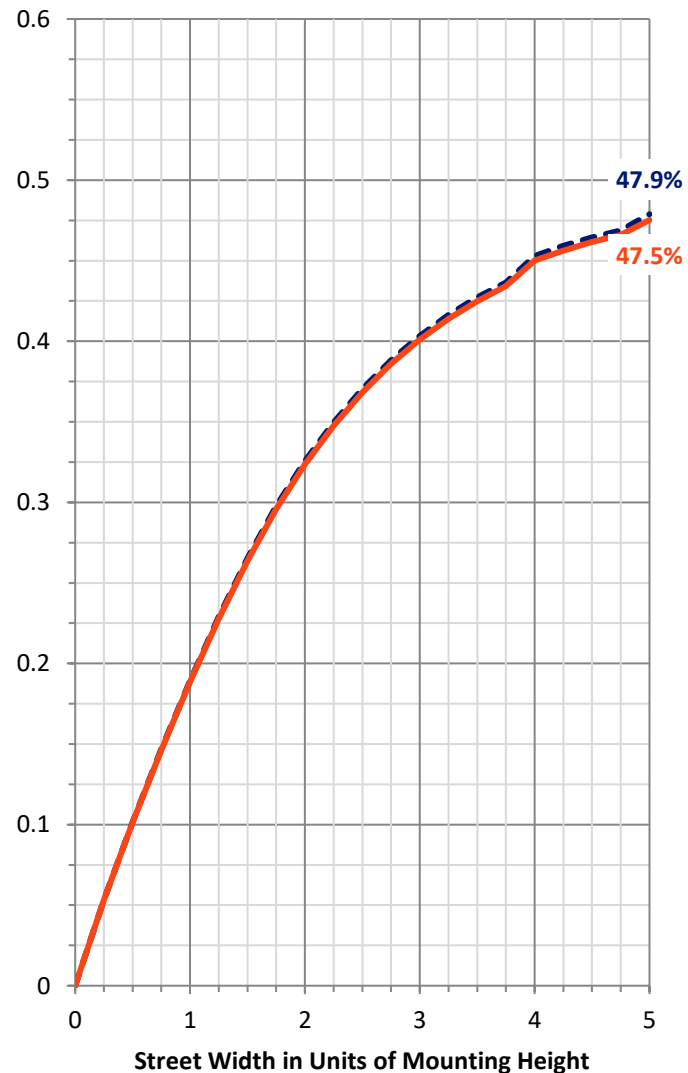
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2111.0	66.1	2177.1
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	2111.0	66.1	2177.1
	% Fixture	48.5	1.5	50.0
Total	Lumens	4222.0	132.2	4354.2
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.9	0.6
10°-20°	64.2	1.5
20°-30°	112.8	2.6
30°-40°	217.7	5.0
40°-50°	378.5	8.7
50°-60°	666.9	15.3
60°-70°	1126.7	25.9
70°-80°	1324.5	30.4
80°-90°	302.7	7.0
90°-100°	99.9	2.3
100°-110°	23.6	0.5
110°-120°	3.8	0.1
120°-130°	3.0	0.1
130°-140°	1.2	0.0
140°-150°	0.2	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4222.0	97.0
0°-180°	4354.2	100.0



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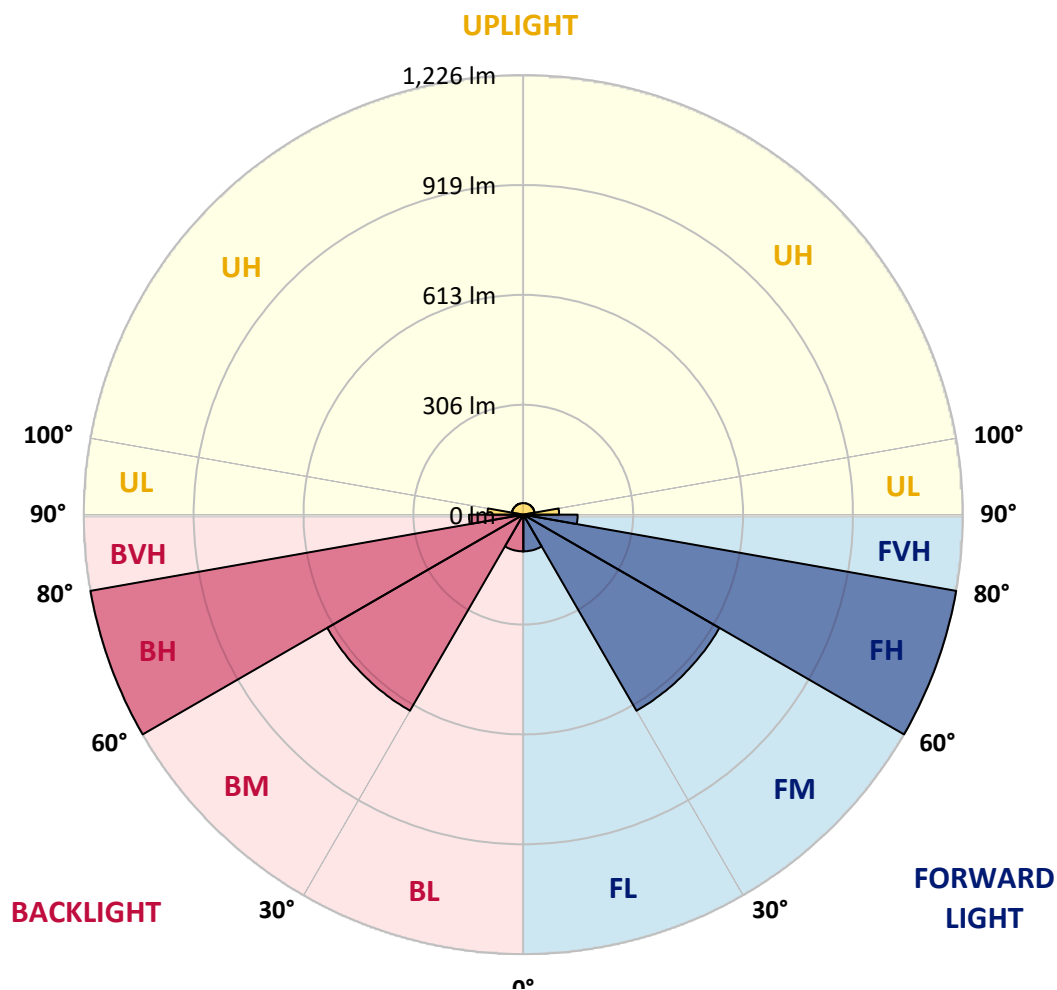
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	102.5	2.4			
FM	(30°-60°)	631.6	14.5			
FH	(60°-80°)	1225.6	28.1			G1/1800
FVH	(80°-90°)	151.4	3.5			G2/225
BL	(0°-30°)	102.5	2.4	B0/110		
BM	(30°-60°)	631.6	14.5	B1/1000		
BH	(60°-80°)	1225.6	28.1	B3/2500		G1/1800
BVH	(80°-90°)	151.4	3.5			G2/225
UL	(90°-100°)	99.9	2.3		U3/500	
UH	(100°-180°)	32.3	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°	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0	354.0
2.5°	313.1	319.6	318.0	329.4	339.3	342.6	349.1	349.1	350.7	350.7	350.7
5°	296.7	296.7	296.7	296.7	296.7	295.0	301.6	331.1	340.9	342.6	340.9
7.5°	257.3	265.5	278.6	283.5	288.5	286.8	283.5	265.5	293.4	296.7	298.3
10°	277.0	277.0	277.0	273.7	260.6	249.1	236.0	222.9	227.8	257.3	257.3
12.5°	245.9	244.2	268.8	272.1	247.5	216.4	206.5	211.4	196.7	224.5	224.5
15°	277.0	277.0	272.1	255.7	204.9	216.4	183.6	185.2	209.8	242.6	242.6
17.5°	236.0	237.7	265.5	249.1	222.9	173.7	203.2	183.6	188.5	206.5	208.2
20°	281.9	281.9	273.7	213.1	209.8	216.4	186.8	181.9	209.8	242.6	244.2
22.5°	242.6	242.6	245.9	247.5	216.4	213.1	186.8	211.4	198.3	198.3	221.3
25°	293.4	293.4	285.2	226.2	237.7	206.5	216.4	198.3	242.6	267.2	267.2
27.5°	257.3	257.3	247.5	257.3	229.5	245.9	216.4	234.4	260.6	314.7	318.0
30°	313.1	313.1	304.9	255.7	254.0	239.3	240.9	272.1	336.0	370.4	370.4
32.5°	380.3	381.9	331.1	293.4	257.3	275.4	262.2	309.8	350.7	386.8	388.4
35°	408.1	408.1	390.1	340.9	280.3	290.1	285.2	327.8	377.0	406.5	406.5
37.5°	440.9	440.9	427.8	365.5	308.1	321.2	298.3	352.4	406.5	432.7	429.4
40°	475.3	470.4	462.2	391.7	337.6	340.9	321.2	378.6	434.3	460.6	460.6
42.5°	517.9	517.9	503.2	436.0	367.1	372.1	342.6	411.4	475.3	506.5	508.1
45°	565.5	563.8	549.1	485.1	403.2	411.4	378.6	455.6	526.1	555.6	558.9
47.5°	621.2	621.2	603.2	537.6	449.1	457.3	419.6	499.9	588.4	614.6	617.9
50°	680.2	675.3	658.9	598.2	509.7	506.5	465.5	549.1	654.0	672.0	678.6
52.5°	749.0	742.5	735.9	667.1	576.9	578.6	524.5	601.5	729.4	739.2	742.5
55°	817.9	813.0	808.0	752.3	650.7	660.5	603.2	673.6	804.8	811.3	817.9
57.5°	894.9	899.8	899.8	847.4	734.3	758.9	688.4	763.8	894.9	890.0	888.3
60°	1006.4	996.5	1008.0	960.5	849.0	868.7	793.3	873.6	981.8	962.1	957.2
62.5°	1096.5	1094.9	1108.0	1086.7	955.5	1004.7	896.5	978.5	1063.7	1047.3	1049.0
65°	1199.8	1198.1	1214.5	1204.7	1067.0	1129.3	1009.6	1096.5	1162.1	1144.0	1140.8
67.5°	1299.7	1304.7	1324.3	1337.4	1157.1	1237.5	1117.8	1208.0	1258.8	1229.3	1232.5
70°	1422.7	1414.5	1430.9	1432.5	1230.9	1316.1	1201.4	1278.4	1340.7	1321.0	1317.8
72.5°	1491.5	1486.6	1503.0	1501.3	1286.6	1368.6	1240.7	1322.7	1391.5	1388.2	1383.3
75°	1416.1	1422.7	1444.0	1473.5	1289.9	1398.1	1235.8	1293.2	1347.3	1329.2	1324.3
77.5°	1111.3	1124.4	1175.2	1270.2	1203.0	1386.6	1149.0	1134.2	1145.7	1124.4	1111.3
80°	590.0	601.5	709.7	872.0	965.4	1204.7	965.4	824.4	703.1	616.3	542.5
82.5°	188.5	203.2	254.0	401.6	609.7	839.2	558.9	316.3	218.0	186.8	175.4
85°	103.3	106.5	114.7	155.7	214.7	339.3	227.8	134.4	118.0	113.1	111.5
87.5°	86.9	88.5	72.1	88.5	103.3	106.5	103.3	73.8	75.4	83.6	82.0
90°	91.8	91.8	73.8	86.9	103.3	104.9	103.3	77.0	75.4	88.5	86.9
92.5°	100.0	100.0	83.6	93.4	114.7	111.5	111.5	80.3	83.6	95.1	95.1
95°	106.5	104.9	90.1	95.1	121.3	124.6	121.3	85.2	90.1	103.3	103.3
97.5°	78.7	75.4	65.6	85.2	114.7	131.1	121.3	80.3	70.5	78.7	77.0
100°	37.7	36.1	34.4	63.9	90.1	100.0	86.9	57.4	31.1	19.7	19.7
102.5°	8.2	8.2	22.9	44.3	52.4	52.4	47.5	39.3	19.7	6.6	6.6
105°	6.6	8.2	16.4	24.6	26.2	14.8	22.9	24.6	11.5	6.6	6.6
107.5°	6.6	8.2	6.6	8.2	8.2	6.6	8.2	9.8	4.9	6.6	6.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.2	8.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	6.6	8.2
115°	6.6	6.6	3.3	3.3	3.3	3.3	1.6	3.3	3.3	6.6	6.6
117.5°	6.6	6.6	3.3	1.6	1.6	1.6	1.6	3.3	3.3	6.6	8.2
120°	8.2	6.6	3.3	1.6	1.6	1.6	1.6	1.6	4.9	8.2	8.2
122.5°	8.2	8.2	3.3	1.6	1.6	1.6	1.6	1.6	4.9	8.2	9.8
125°	8.2	6.6	3.3	1.6	1.6	1.6	1.6	1.6	3.3	8.2	8.2
127.5°	6.6	6.6	3.3	1.6	1.6	1.6	1.6	1.6	3.3	6.6	8.2
130°	6.6	6.6	3.3	1.6	1.6	1.6	1.6	1.6	3.3	6.6	6.6
132.5°	4.9	4.9	3.3	1.6	1.6	0.0	1.6	1.6	3.3	4.9	4.9
135°	3.3	3.3	1.6	0.0	1.6	0.0	1.6	0.0	1.6	3.3	4.9
137.5°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
140°	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	1.6	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	1.6	0.0	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6
150°	1.6	1.6	3.3	1.6	1.6	0.0	1.6	1.6	0.0	0.0	1.6
152.5°	3.3	3.3	3.3	1.6	0.0	0.0	1.6	1.6	1.6	1.6	1.6
155°	1.6	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	3.3	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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°	8.2	8.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3	6.6	8.2
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