

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: P560726

Luminaire Tested: **SDL-PA1-60-740-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560726
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-PA1-60-740-U-5WQ-A
Description: Springdale
(1) 70 CRI, 4000K, 800mA 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: 7227.1 lumens
Efficiency: N/A
Efficacy: 115.8 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): 62.4
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

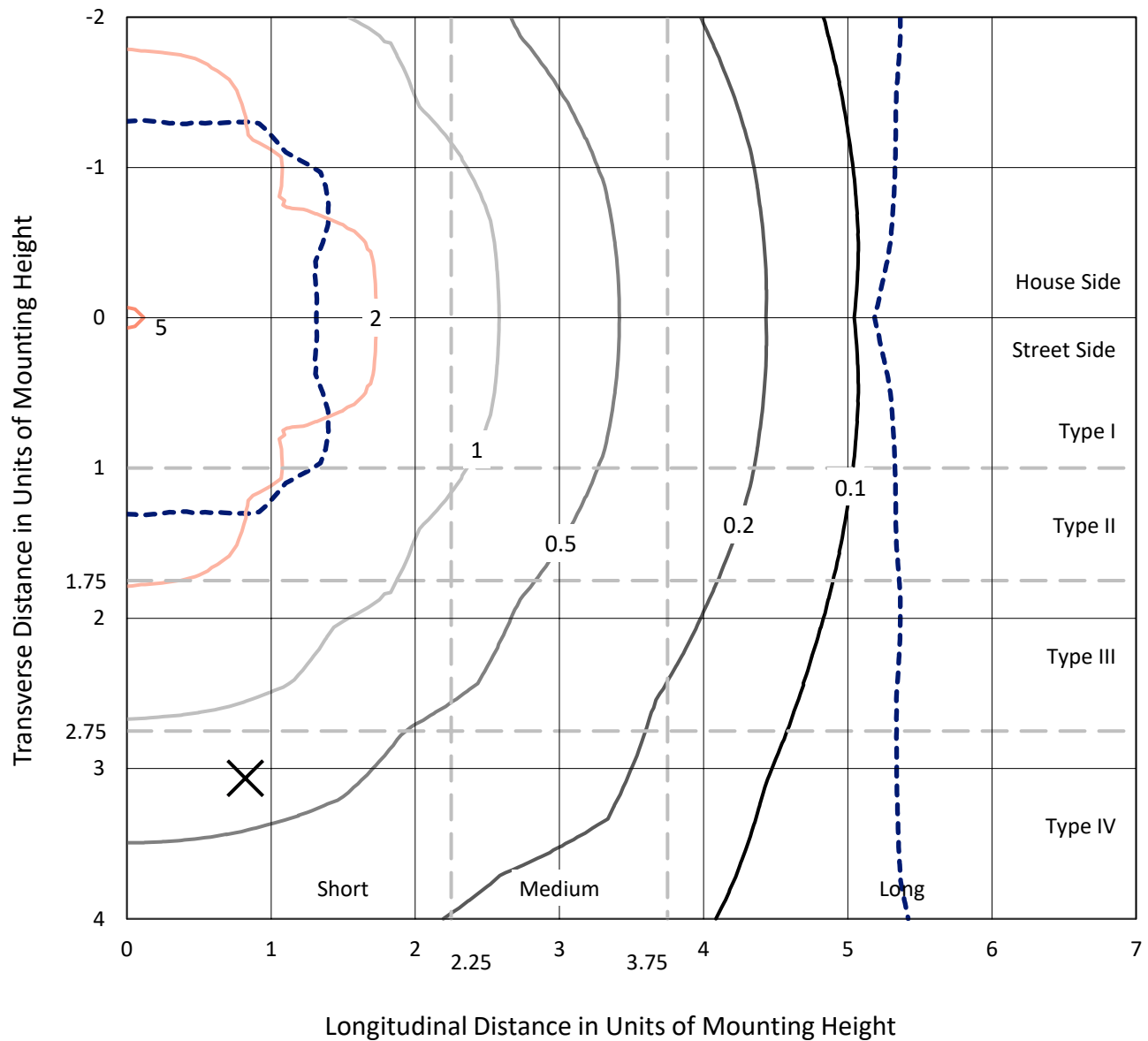


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

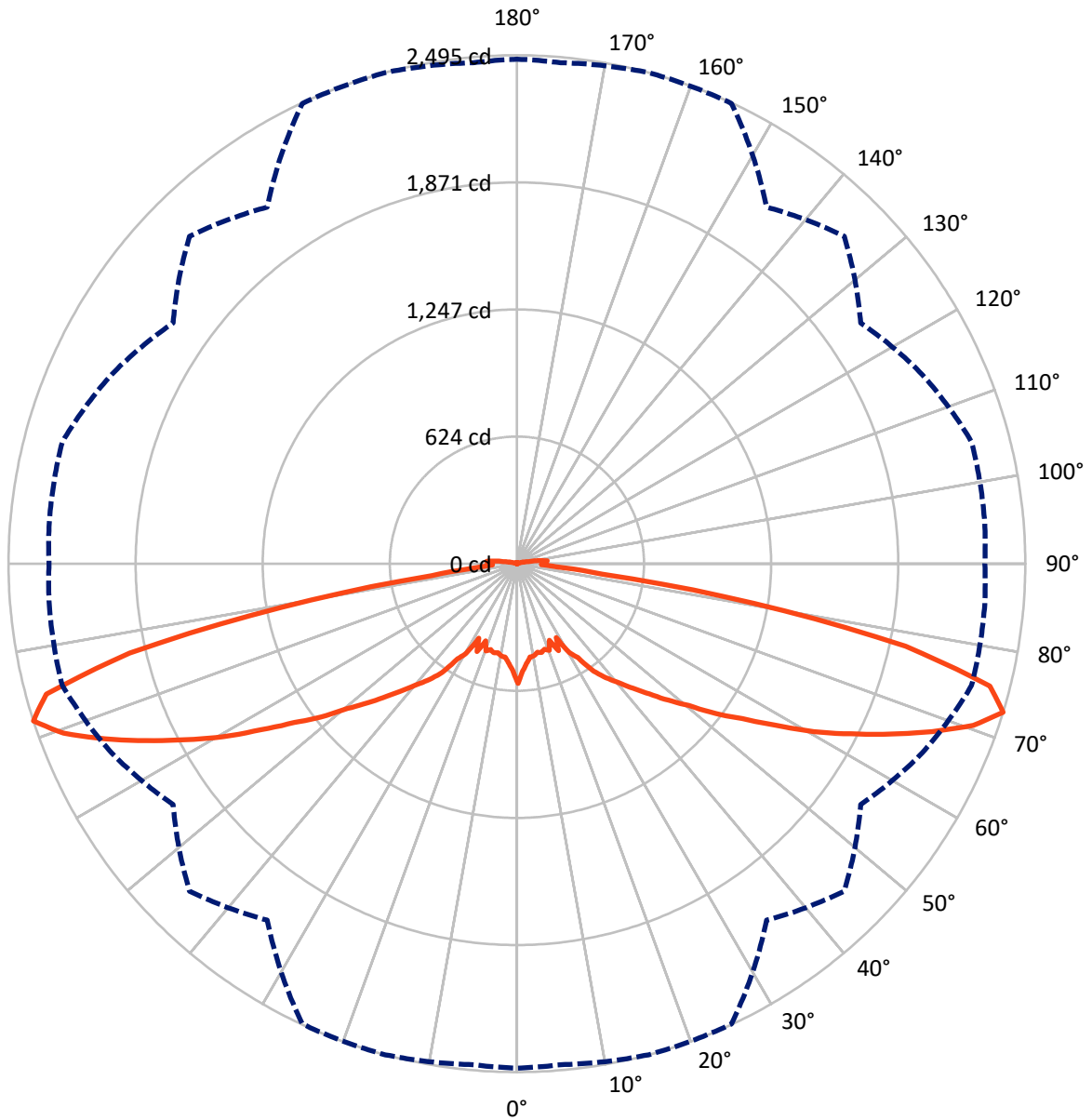


Based on 10 foot mounting height. Maximum calculated value = 5.9 fc
 Type V - Short - N/A

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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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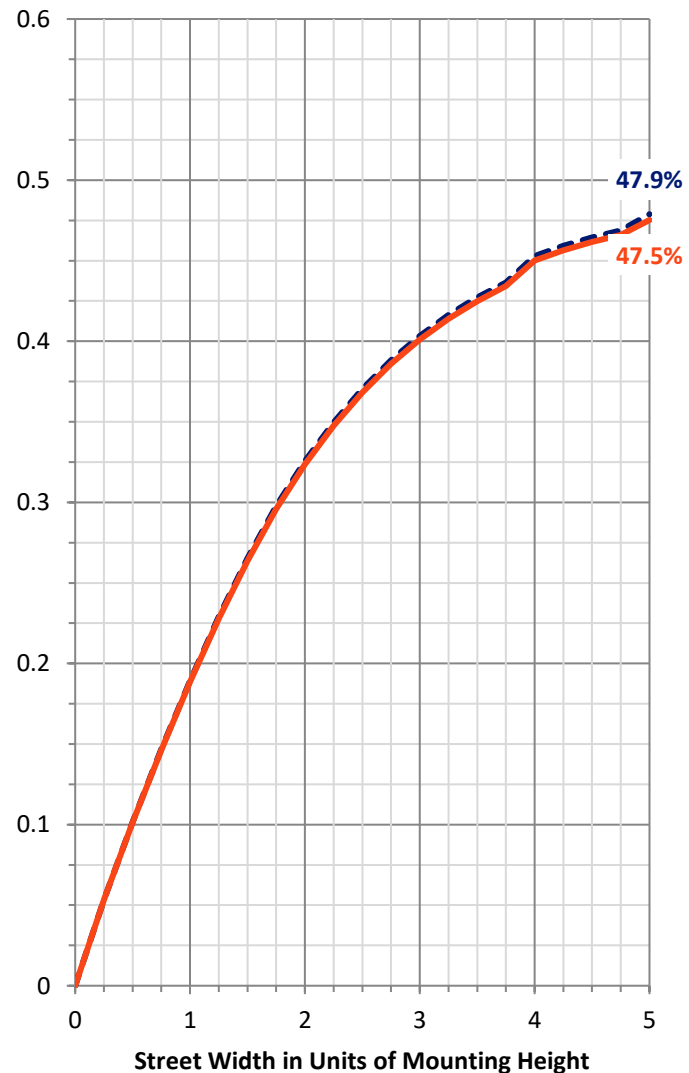
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3503.9	109.7	3613.6
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3503.9	109.7	3613.6
	% Fixture	48.5	1.5	50.0
Total	Lumens	7007.8	219.4	7227.1
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.3	0.6
10°-20°	106.6	1.5
20°-30°	187.2	2.6
30°-40°	361.4	5.0
40°-50°	628.2	8.7
50°-60°	1106.9	15.3
60°-70°	1870.1	25.9
70°-80°	2198.5	30.4
80°-90°	502.5	7.0
90°-100°	165.8	2.3
100°-110°	39.1	0.5
110°-120°	6.3	0.1
120°-130°	5.0	0.1
130°-140°	2.1	0.0
140°-150°	0.4	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7007.8	97.0
0°-180°	7227.1	100.0



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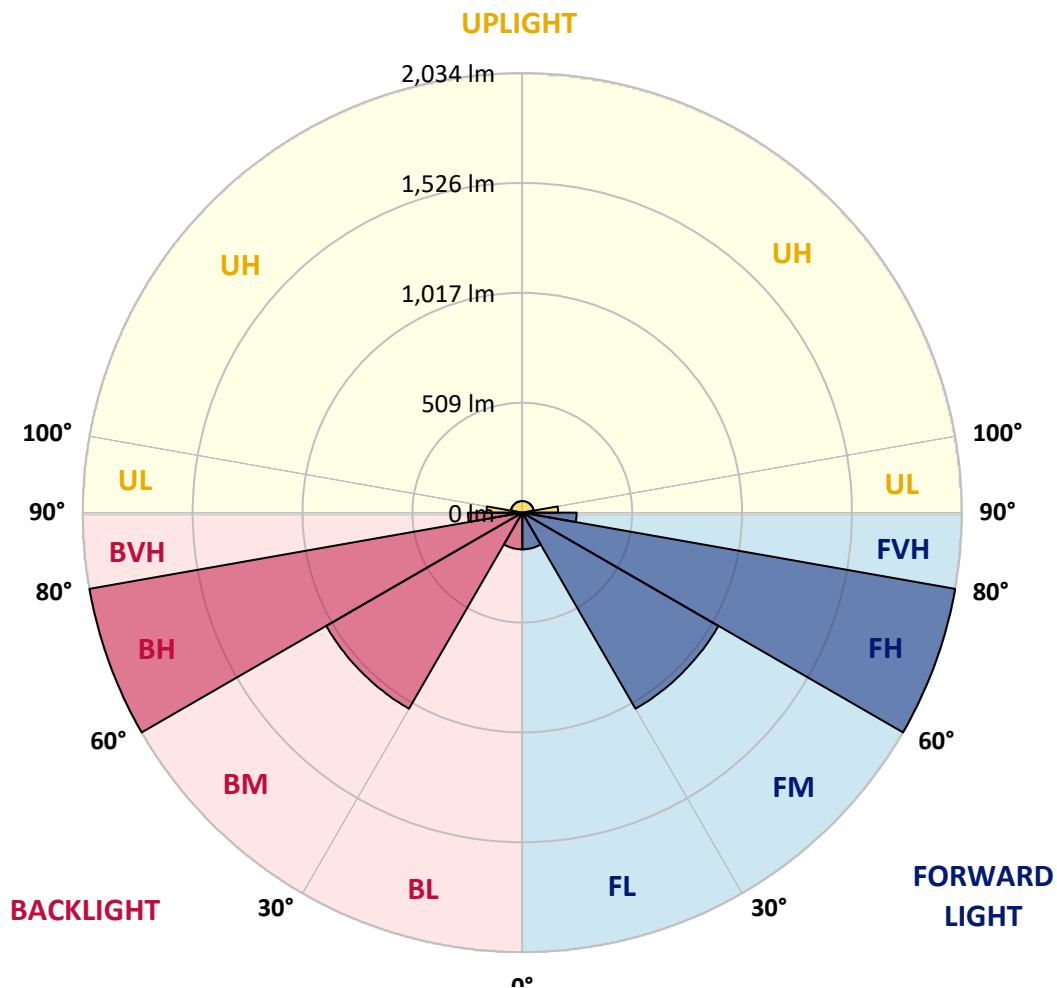
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	170.1	2.4			
FM	(30°-60°)	1048.3	14.5			
FH	(60°-80°)	2034.3	28.1			G2/5000
FVH	(80°-90°)	251.2	3.5			G3/500
BL	(0°-30°)	170.1	2.4	B1/500		
BM	(30°-60°)	1048.3	14.5	B2/2500		
BH	(60°-80°)	2034.3	28.1	B3/2500		G2/5000
BVH	(80°-90°)	251.2	3.5			G3/500
UL	(90°-100°)	165.8	2.3		U3/500	
UH	(100°-180°)	53.5	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°	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6
2.5°	519.6	530.5	527.8	546.8	563.1	568.6	579.5	579.5	582.2	582.2	582.2
5°	492.4	492.4	492.4	492.4	492.4	489.7	500.6	549.5	565.9	568.6	565.9
7.5°	427.1	440.7	462.5	470.6	478.8	476.1	470.6	440.7	487.0	492.4	495.1
10°	459.8	459.8	459.8	454.3	432.6	413.5	391.7	370.0	378.1	427.1	427.1
12.5°	408.1	405.3	446.2	451.6	410.8	359.1	342.8	350.9	326.5	372.7	372.7
15°	459.8	459.8	451.6	424.4	340.1	359.1	304.7	307.4	348.2	402.6	402.6
17.5°	391.7	394.5	440.7	413.5	370.0	288.4	337.3	304.7	312.9	342.8	345.5
20°	467.9	467.9	454.3	353.7	348.2	359.1	310.1	302.0	348.2	402.6	405.3
22.5°	402.6	402.6	408.1	410.8	359.1	353.7	310.1	350.9	329.2	329.2	367.3
25°	487.0	487.0	473.4	375.4	394.5	342.8	359.1	329.2	402.6	443.4	443.4
27.5°	427.1	427.1	410.8	427.1	380.9	408.1	359.1	389.0	432.6	522.3	527.8
30°	519.6	519.6	506.0	424.4	421.7	397.2	399.9	451.6	557.7	614.8	614.8
32.5°	631.1	633.9	549.5	487.0	427.1	457.0	435.3	514.2	582.2	642.0	644.7
35°	677.4	677.4	647.5	565.9	465.2	481.5	473.4	544.1	625.7	674.7	674.7
37.5°	731.8	731.8	710.0	606.7	511.4	533.2	495.1	584.9	674.7	718.2	712.8
40°	788.9	780.8	767.2	650.2	560.4	565.9	533.2	628.4	720.9	764.4	764.4
42.5°	859.7	859.7	835.2	723.6	609.4	617.5	568.6	682.8	788.9	840.6	843.3
45°	938.6	935.8	911.4	805.3	669.2	682.8	628.4	756.3	873.3	922.2	927.7
47.5°	1031.1	1031.1	1001.1	892.3	745.4	759.0	696.4	829.7	976.6	1020.2	1025.6
50°	1129.0	1120.8	1093.6	993.0	846.1	840.6	772.6	911.4	1085.5	1115.4	1126.3
52.5°	1243.3	1232.4	1221.5	1107.2	957.6	960.3	870.5	998.4	1210.6	1226.9	1232.4
55°	1357.5	1349.3	1341.2	1248.7	1080.0	1096.3	1001.1	1118.1	1335.7	1346.6	1357.5
57.5°	1485.4	1493.5	1493.5	1406.5	1218.8	1259.6	1142.6	1267.7	1485.4	1477.2	1474.5
60°	1670.4	1654.0	1673.1	1594.2	1409.2	1441.8	1316.7	1450.0	1629.6	1596.9	1588.7
62.5°	1820.0	1817.3	1839.0	1803.7	1586.0	1667.6	1488.1	1624.1	1765.6	1738.4	1741.1
65°	1991.4	1988.7	2015.9	1999.5	1771.0	1874.4	1675.8	1820.0	1928.8	1898.9	1893.4
67.5°	2157.3	2165.5	2198.1	2219.9	1920.6	2053.9	1855.4	2005.0	2089.3	2040.3	2045.8
70°	2361.4	2347.8	2375.0	2377.7	2043.1	2184.5	1994.1	2122.0	2225.3	2192.7	2187.3
72.5°	2475.6	2467.5	2494.7	2491.9	2135.6	2271.6	2059.4	2195.4	2309.7	2304.2	2296.1
75°	2350.5	2361.4	2396.7	2445.7	2141.0	2320.6	2051.2	2146.4	2236.2	2206.3	2198.1
77.5°	1844.5	1866.2	1950.6	2108.4	1996.8	2301.5	1907.0	1882.6	1901.6	1866.2	1844.5
80°	979.4	998.4	1178.0	1447.3	1602.4	1999.5	1602.4	1368.4	1167.1	1022.9	900.5
82.5°	312.9	337.3	421.7	666.5	1012.0	1392.9	927.7	525.0	361.8	310.1	291.1
85°	171.4	176.8	190.4	258.4	356.4	563.1	378.1	223.1	195.9	187.7	185.0
87.5°	144.2	146.9	119.7	146.9	171.4	176.8	171.4	122.4	125.1	138.7	136.0
90°	152.3	152.3	122.4	144.2	171.4	174.1	171.4	127.9	125.1	146.9	144.2
92.5°	165.9	165.9	138.7	155.1	190.4	185.0	185.0	133.3	138.7	157.8	157.8
95°	176.8	174.1	149.6	157.8	201.3	206.8	201.3	141.5	149.6	171.4	171.4
97.5°	130.6	125.1	108.8	141.5	190.4	217.6	201.3	133.3	117.0	130.6	127.9
100°	62.6	59.9	57.1	106.1	149.6	165.9	144.2	95.2	51.7	32.6	32.6
102.5°	13.6	13.6	38.1	73.5	87.1	87.1	78.9	65.3	32.6	10.9	10.9
105°	10.9	13.6	27.2	40.8	43.5	24.5	38.1	40.8	19.0	10.9	10.9
107.5°	10.9	13.6	10.9	13.6	13.6	10.9	13.6	16.3	8.2	10.9	10.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	13.6	13.6	5.4	5.4	5.4	5.4	5.4	5.4	5.4	10.9	13.6
115°	10.9	10.9	5.4	5.4	5.4	5.4	2.7	5.4	5.4	10.9	10.9
117.5°	10.9	10.9	5.4	2.7	2.7	2.7	2.7	5.4	5.4	10.9	13.6
120°	13.6	10.9	5.4	2.7	2.7	2.7	2.7	2.7	8.2	13.6	13.6
122.5°	13.6	13.6	5.4	2.7	2.7	2.7	2.7	2.7	8.2	13.6	16.3
125°	13.6	10.9	5.4	2.7	2.7	2.7	2.7	2.7	5.4	13.6	13.6
127.5°	10.9	10.9	5.4	2.7	2.7	2.7	2.7	2.7	5.4	10.9	13.6
130°	10.9	10.9	5.4	2.7	2.7	2.7	2.7	2.7	5.4	10.9	10.9
132.5°	8.2	8.2	5.4	2.7	2.7	0.0	2.7	2.7	5.4	8.2	8.2
135°	5.4	5.4	2.7	0.0	2.7	0.0	2.7	0.0	2.7	5.4	8.2
137.5°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
140°	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
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	2.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.7	0.0	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7
150°	2.7	2.7	5.4	2.7	2.7	0.0	2.7	2.7	0.0	0.0	2.7
152.5°	5.4	5.4	5.4	2.7	0.0	0.0	2.7	2.7	2.7	2.7	2.7
155°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	5.4	5.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
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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110°		13.6	13.6	5.4	5.4	5.4	5.4	5.4	5.4	10.9	13.6
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