

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: P560594

Luminaire Tested: **SDL-PA1-50-760-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560594
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-PA1-50-760-U-5WQ-A
Description: Springdale
(1) 70 CRI, 5700K, 670mA 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: 6203.4 lumens
Efficiency: N/A
Efficacy: 118.4 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): 52.4
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



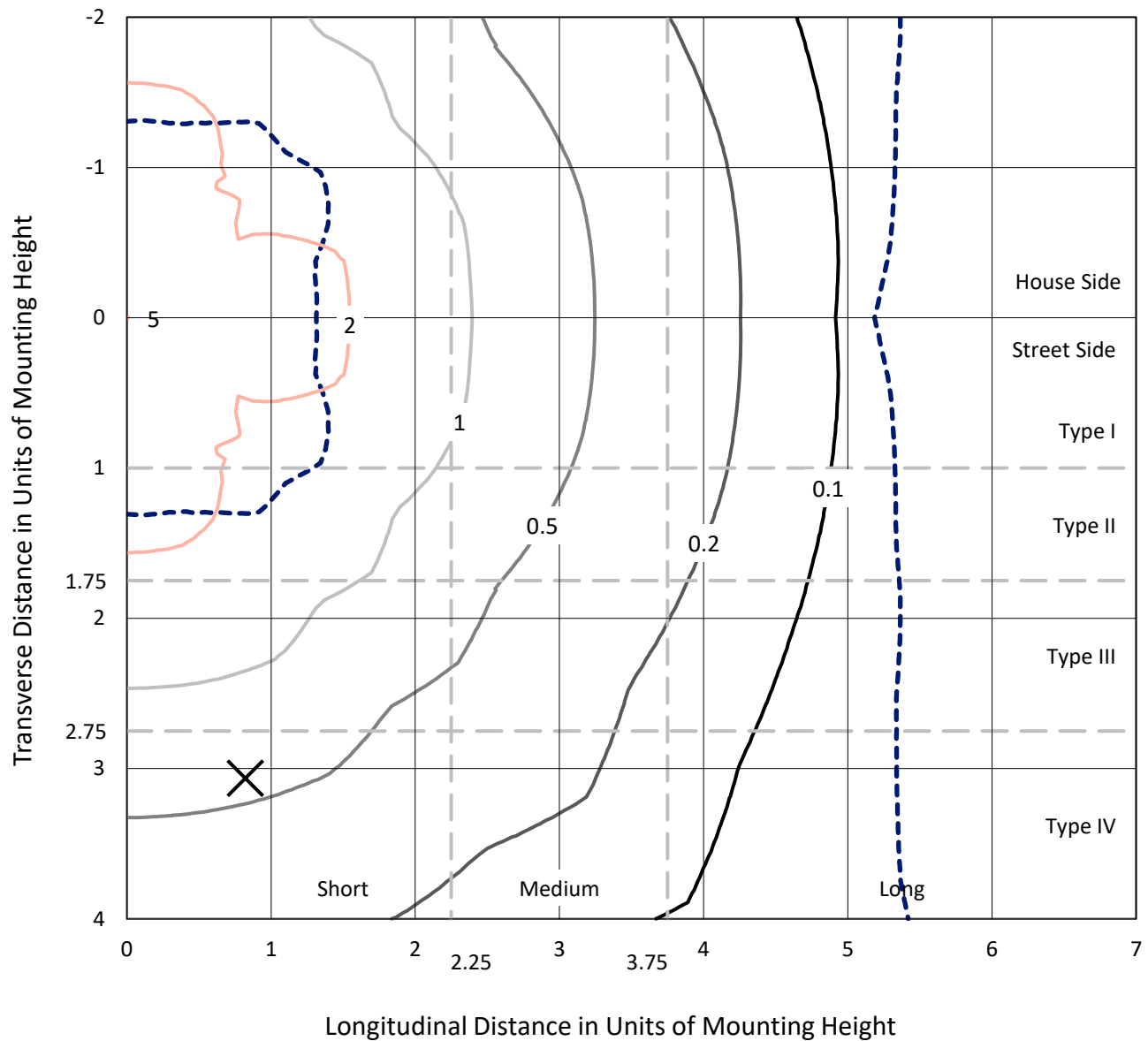
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



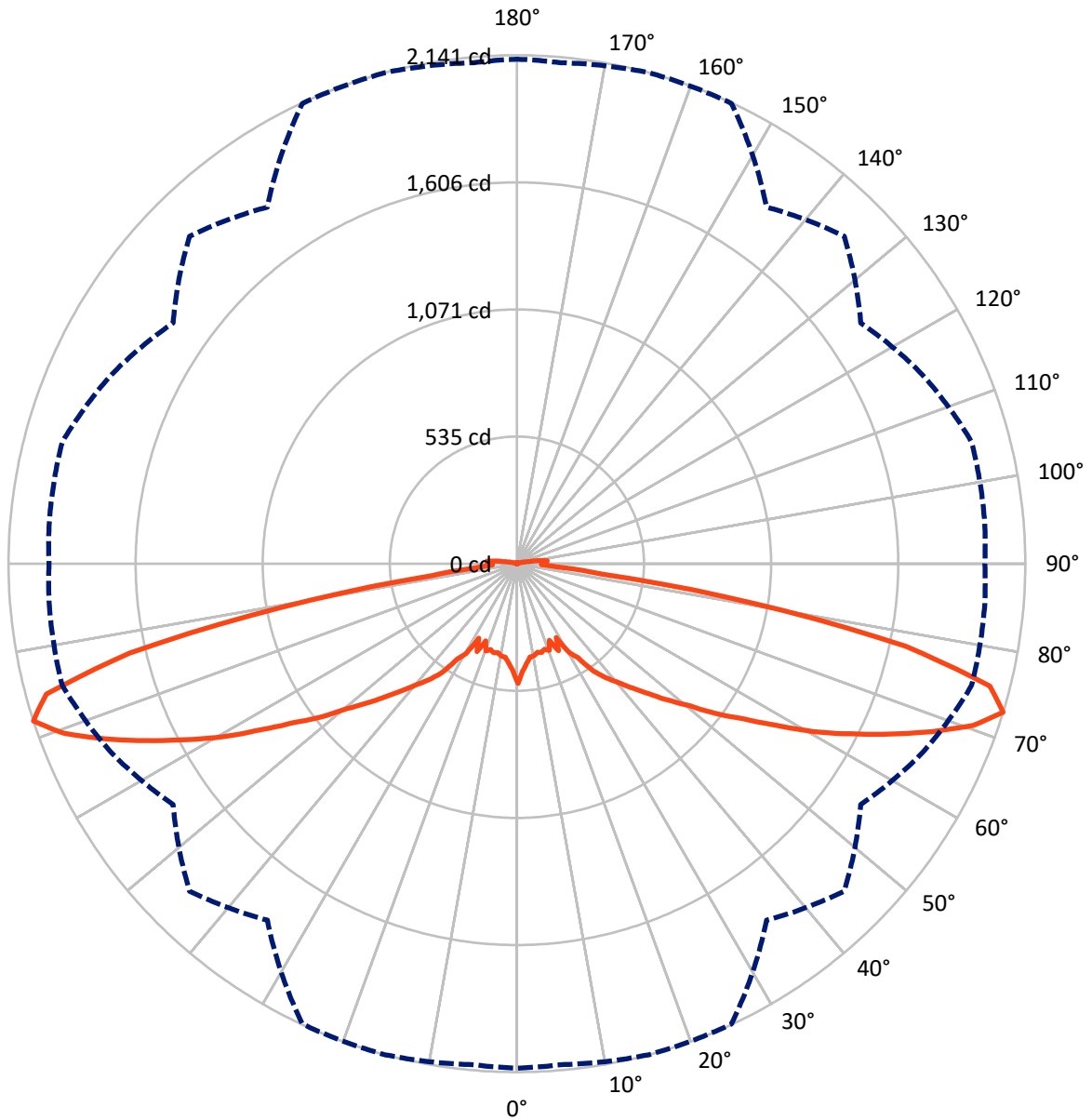
Based on 10 foot mounting height. Maximum calculated value = 5 fc

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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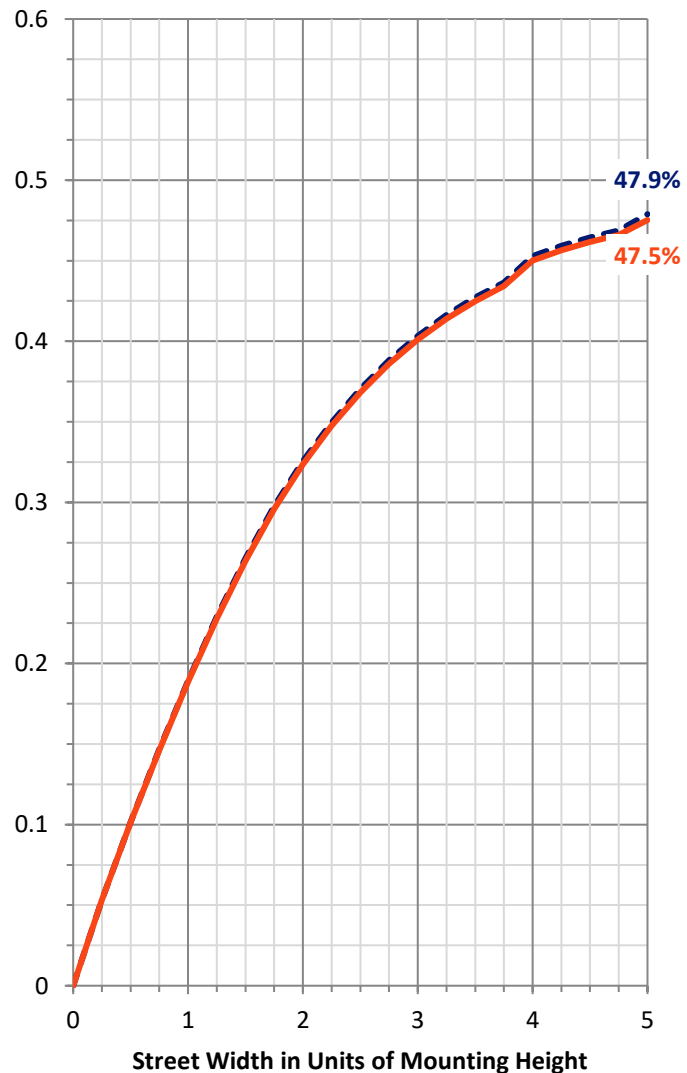
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3007.5	94.2	3101.7
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3007.5	94.2	3101.7
	% Fixture	48.5	1.5	50.0
Total	Lumens	6015.1	188.3	6203.4
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	39.8	0.6
10°-20°	91.5	1.5
20°-30°	160.7	2.6
30°-40°	310.2	5.0
40°-50°	539.2	8.7
50°-60°	950.1	15.3
60°-70°	1605.2	25.9
70°-80°	1887.0	30.4
80°-90°	431.3	7.0
90°-100°	142.3	2.3
100°-110°	33.5	0.5
110°-120°	5.4	0.1
120°-130°	4.3	0.1
130°-140°	1.8	0.0
140°-150°	0.3	0.0
150°-160°	0.6	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6015.1	97.0
0°-180°	6203.4	100.0



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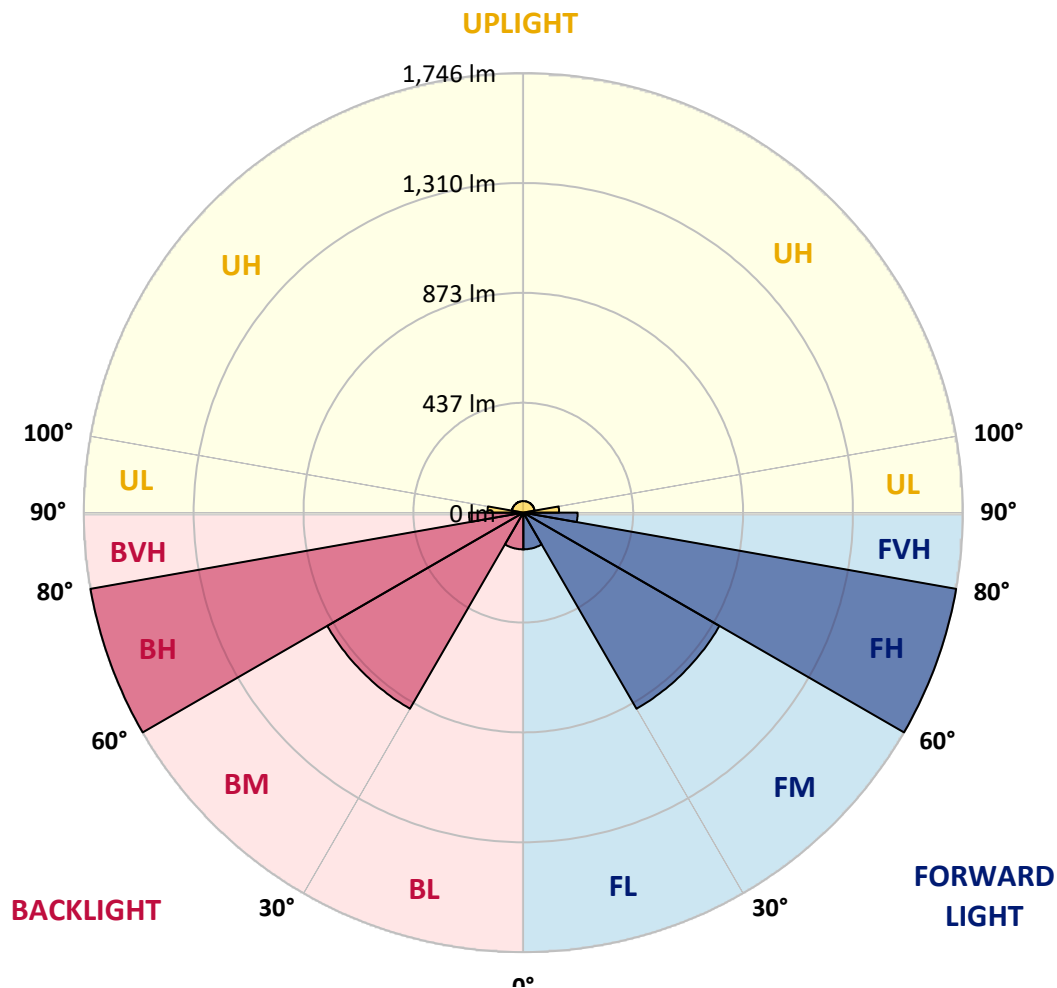
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	146.0	2.4			
FM	(30°-60°)	899.8	14.5			
FH	(60°-80°)	1746.1	28.1			G1/1800
FVH	(80°-90°)	215.7	3.5			G2/225
BL	(0°-30°)	146.0	2.4	B1/500		
BM	(30°-60°)	899.8	14.5	B1/1000		
BH	(60°-80°)	1746.1	28.1	B3/2500		G1/1800
BVH	(80°-90°)	215.7	3.5			G2/225
UL	(90°-100°)	142.3	2.3		U3/500	
UH	(100°-180°)	46.0	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°	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4	504.4
2.5°	446.0	455.3	453.0	469.4	483.4	488.0	497.4	497.4	499.7	499.7	499.7
5°	422.7	422.7	422.7	422.7	422.7	420.3	429.7	471.7	485.7	488.0	485.7
7.5°	366.6	378.3	397.0	404.0	411.0	408.6	404.0	378.3	418.0	422.7	425.0
10°	394.6	394.6	394.6	390.0	371.3	354.9	336.3	317.6	324.6	366.6	366.6
12.5°	350.3	347.9	383.0	387.6	352.6	308.2	294.2	301.2	280.2	319.9	319.9
15°	394.6	394.6	387.6	364.3	291.9	308.2	261.5	263.9	298.9	345.6	345.6
17.5°	336.3	338.6	378.3	354.9	317.6	247.5	289.6	261.5	268.5	294.2	296.6
20°	401.6	401.6	390.0	303.6	298.9	308.2	266.2	259.2	298.9	345.6	347.9
22.5°	345.6	345.6	350.3	352.6	308.2	303.6	266.2	301.2	282.5	282.5	315.2
25°	418.0	418.0	406.3	322.2	338.6	294.2	308.2	282.5	345.6	380.6	380.6
27.5°	366.6	366.6	352.6	366.6	326.9	350.3	308.2	333.9	371.3	448.3	453.0
30°	446.0	446.0	434.3	364.3	361.9	340.9	343.3	387.6	478.7	527.7	527.7
32.5°	541.7	544.1	471.7	418.0	366.6	392.3	373.6	441.3	499.7	551.1	553.4
35°	581.4	581.4	555.8	485.7	399.3	413.3	406.3	467.0	537.1	579.1	579.1
37.5°	628.1	628.1	609.5	520.7	439.0	457.7	425.0	502.0	579.1	616.5	611.8
40°	677.2	670.2	658.5	558.1	481.0	485.7	457.7	539.4	618.8	656.2	656.2
42.5°	737.9	737.9	716.9	621.1	523.1	530.1	488.0	586.1	677.2	721.5	723.9
45°	805.6	803.3	782.3	691.2	574.4	586.1	539.4	649.2	749.6	791.6	796.3
47.5°	885.0	885.0	859.3	765.9	639.8	651.5	597.8	712.2	838.3	875.7	880.3
50°	969.1	962.1	938.7	852.3	726.2	721.5	663.2	782.3	931.7	957.4	966.7
52.5°	1067.1	1057.8	1048.5	950.4	821.9	824.3	747.2	857.0	1039.1	1053.1	1057.8
55°	1165.2	1158.2	1151.2	1071.8	927.0	941.0	859.3	959.7	1146.5	1155.9	1165.2
57.5°	1275.0	1282.0	1282.0	1207.2	1046.1	1081.1	980.7	1088.1	1275.0	1268.0	1265.6
60°	1433.7	1419.7	1436.1	1368.4	1209.6	1237.6	1130.2	1244.6	1398.7	1370.7	1363.7
62.5°	1562.2	1559.8	1578.5	1548.2	1361.4	1431.4	1277.3	1394.0	1515.5	1492.1	1494.5
65°	1709.3	1706.9	1730.3	1716.3	1520.1	1608.9	1438.4	1562.2	1655.6	1629.9	1625.2
67.5°	1851.7	1858.7	1886.7	1905.4	1648.6	1763.0	1592.5	1721.0	1793.3	1751.3	1756.0
70°	2026.9	2015.2	2038.5	2040.9	1753.6	1875.1	1711.6	1821.4	1910.1	1882.1	1877.4
72.5°	2124.9	2117.9	2141.3	2138.9	1833.0	1949.8	1767.7	1884.4	1982.5	1977.8	1970.8
75°	2017.5	2026.9	2057.2	2099.2	1837.7	1991.8	1760.7	1842.4	1919.4	1893.8	1886.7
77.5°	1583.2	1601.9	1674.3	1809.7	1714.0	1975.5	1636.9	1615.9	1632.2	1601.9	1583.2
80°	840.6	857.0	1011.1	1242.3	1375.4	1716.3	1375.4	1174.5	1001.8	878.0	772.9
82.5°	268.5	289.6	361.9	572.1	868.7	1195.6	796.3	450.7	310.6	266.2	249.9
85°	147.1	151.8	163.5	221.8	305.9	483.4	324.6	191.5	168.1	161.1	158.8
87.5°	123.8	126.1	102.7	126.1	147.1	151.8	147.1	105.1	107.4	119.1	116.8
90°	130.8	130.8	105.1	123.8	147.1	149.4	147.1	109.7	107.4	126.1	123.8
92.5°	142.4	142.4	119.1	133.1	163.5	158.8	158.8	114.4	119.1	135.4	135.4
95°	151.8	149.4	128.4	135.4	172.8	177.5	172.8	121.4	128.4	147.1	147.1
97.5°	112.1	107.4	93.4	121.4	163.5	186.8	172.8	114.4	100.4	112.1	109.7
100°	53.7	51.4	49.0	91.1	128.4	142.4	123.8	81.7	44.4	28.0	28.0
102.5°	11.7	11.7	32.7	63.0	74.7	74.7	67.7	56.0	28.0	9.3	9.3
105°	9.3	11.7	23.4	35.0	37.4	21.0	32.7	35.0	16.3	9.3	9.3
107.5°	9.3	11.7	9.3	11.7	11.7	9.3	11.7	14.0	7.0	9.3	9.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.7	11.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	9.3	11.7
115°	9.3	9.3	4.7	4.7	4.7	4.7	2.3	4.7	4.7	9.3	9.3
117.5°	9.3	9.3	4.7	2.3	2.3	2.3	2.3	4.7	4.7	9.3	11.7
120°	11.7	9.3	4.7	2.3	2.3	2.3	2.3	2.3	7.0	11.7	11.7
122.5°	11.7	11.7	4.7	2.3	2.3	2.3	2.3	2.3	7.0	11.7	14.0
125°	11.7	9.3	4.7	2.3	2.3	2.3	2.3	2.3	4.7	11.7	11.7
127.5°	9.3	9.3	4.7	2.3	2.3	2.3	2.3	2.3	4.7	9.3	11.7
130°	9.3	9.3	4.7	2.3	2.3	2.3	2.3	2.3	4.7	9.3	9.3
132.5°	7.0	7.0	4.7	2.3	2.3	0.0	2.3	2.3	4.7	7.0	7.0
135°	4.7	4.7	2.3	0.0	2.3	0.0	2.3	0.0	2.3	4.7	7.0
137.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
140°	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	2.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.3	0.0	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3
150°	2.3	2.3	4.7	2.3	2.3	0.0	2.3	2.3	0.0	0.0	2.3
152.5°	4.7	4.7	4.7	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3
155°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	4.7	4.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
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°	11.7	11.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	9.3	11.7
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