

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: P561078

Luminaire Tested: **SDL-PA1-80-740-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561078
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-PA1-80-740-U-5WQ-A
Description: Springdale
(1) 70 CRI, 4000K, 1050mA 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: 8996.7 lumens
Efficiency: N/A
Efficacy: 109.7 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: B4 - U3 - G3

Input Watts (W): 82
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

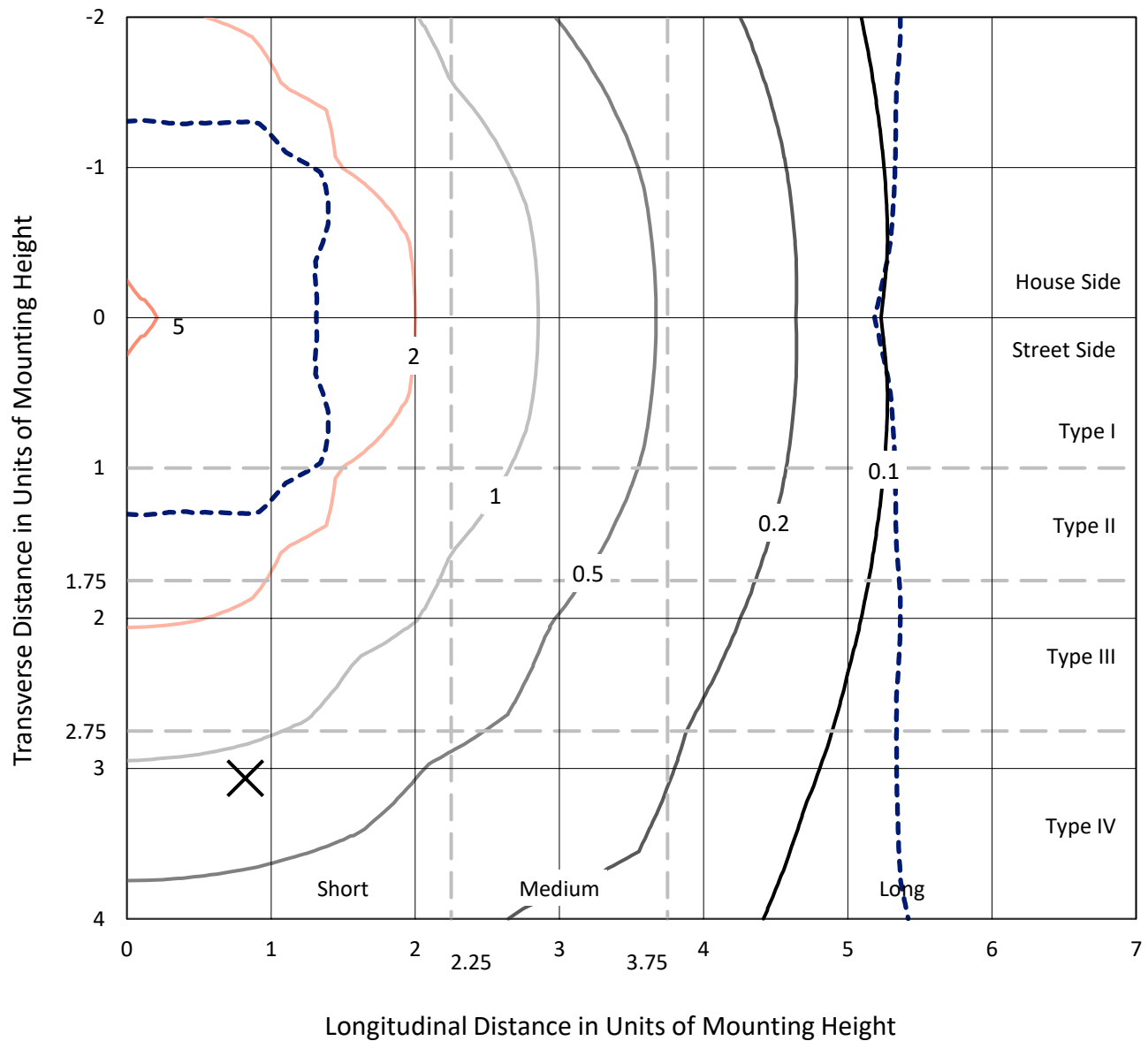


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

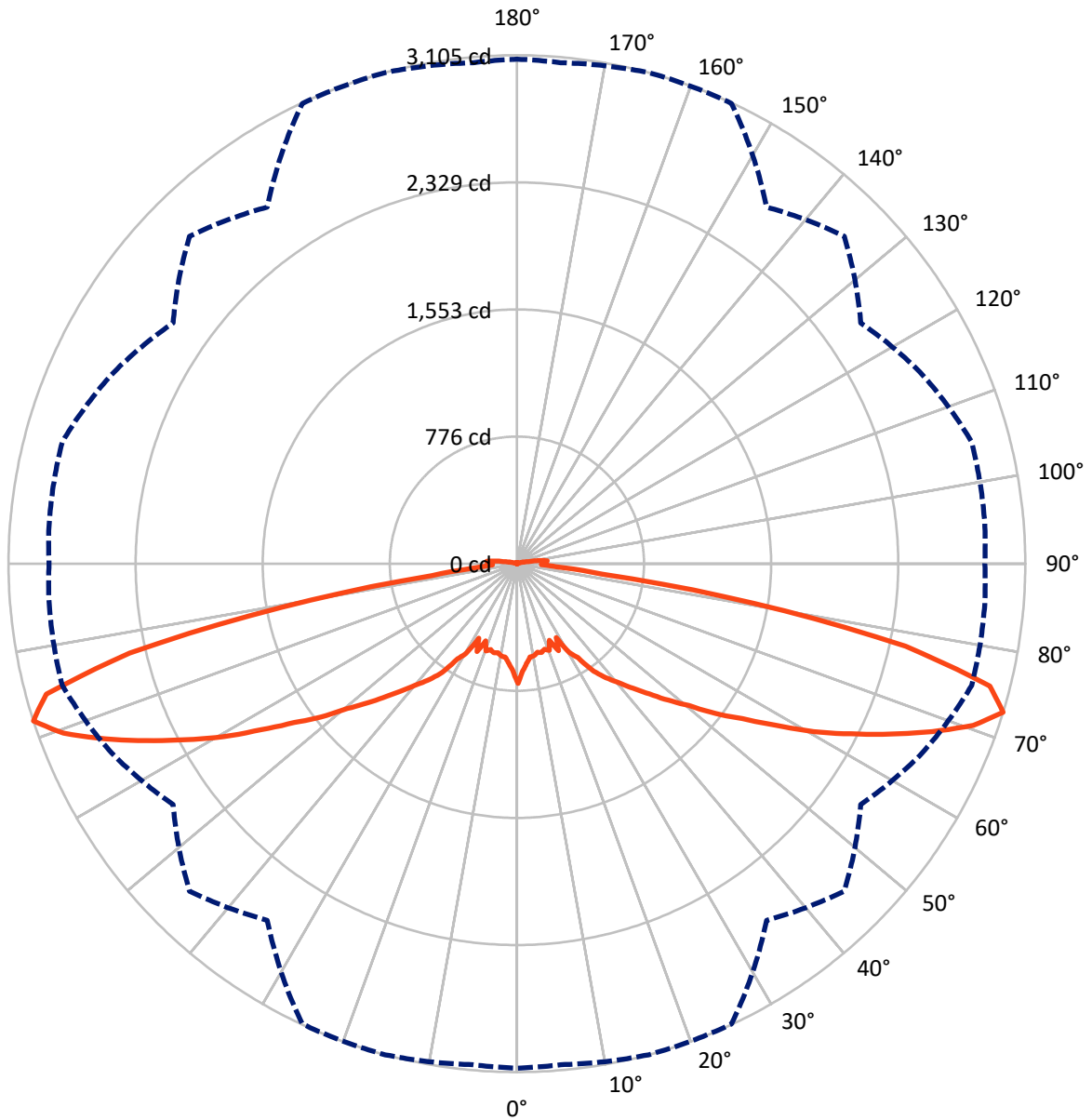


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type V - Short - N/A

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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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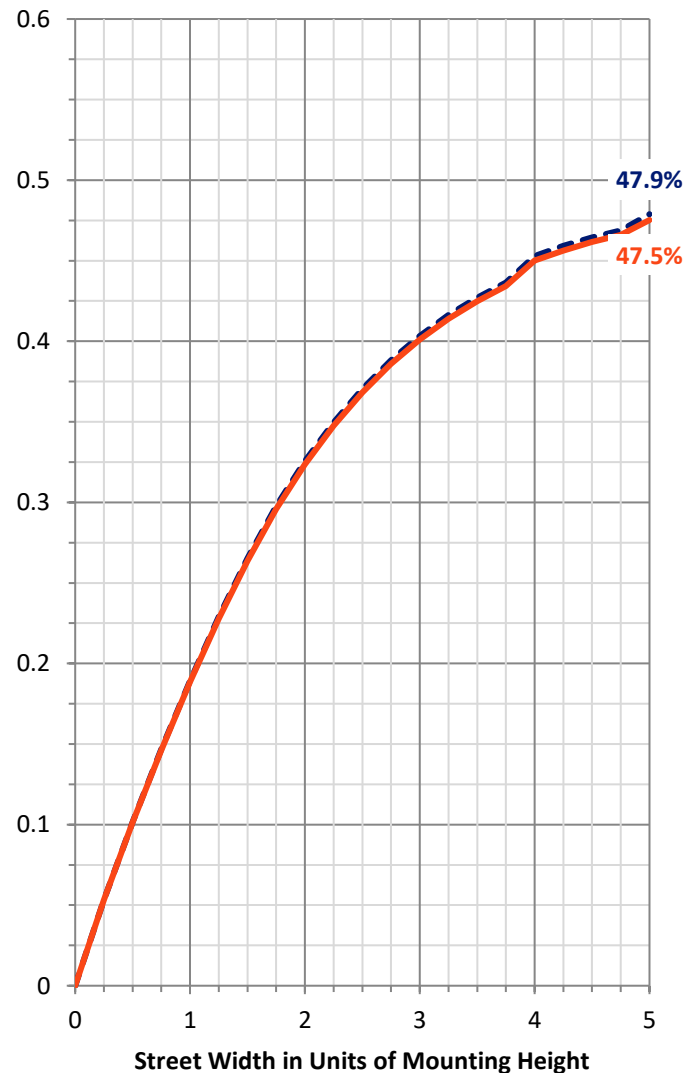
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4361.8	136.6	4498.3
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	4361.8	136.6	4498.3
	% Fixture	48.5	1.5	50.0
Total	Lumens	8723.5	273.2	8996.7
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	0.6
10°-20°	132.7	1.5
20°-30°	233.1	2.6
30°-40°	449.9	5.0
40°-50°	781.9	8.7
50°-60°	1378.0	15.3
60°-70°	2328.0	25.9
70°-80°	2736.7	30.4
80°-90°	625.5	7.0
90°-100°	206.4	2.3
100°-110°	48.6	0.5
110°-120°	7.8	0.1
120°-130°	6.3	0.1
130°-140°	2.6	0.0
140°-150°	0.5	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8723.5	97.0
0°-180°	8996.7	100.0



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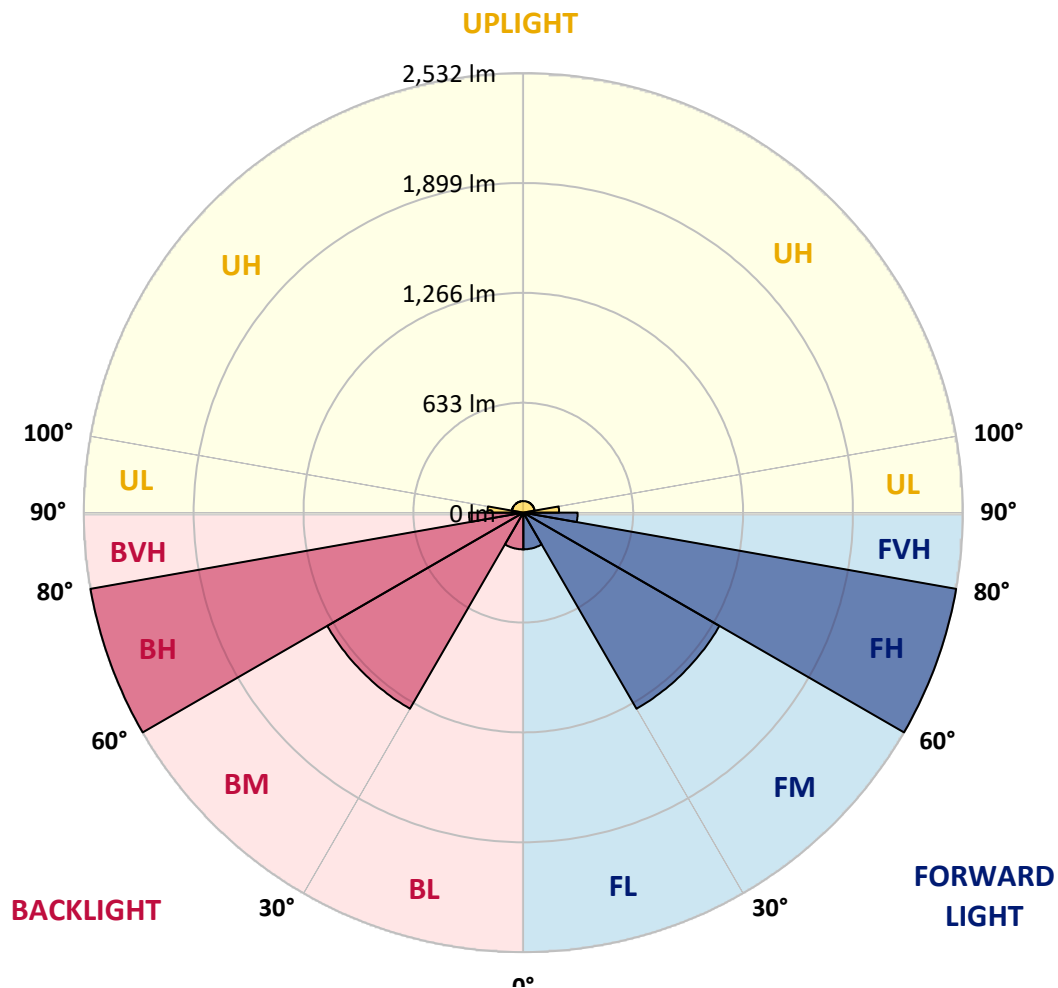
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	211.7	2.4			
FM	(30°-60°)	1304.9	14.5			
FH	(60°-80°)	2532.4	28.1			G2/5000
FVH	(80°-90°)	312.8	3.5			G3/500
BL	(0°-30°)	211.7	2.4	B1/500		
BM	(30°-60°)	1304.9	14.5	B2/2500		
BH	(60°-80°)	2532.4	28.1	B4/5000		G2/5000
BVH	(80°-90°)	312.8	3.5			G3/500
UL	(90°-100°)	206.4	2.3		U3/500	
UH	(100°-180°)	66.7	0.7		U3/500	

BUG Rating: B4-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	731.5	731.5	731.5	731.5	731.5	731.5	731.5	731.5	731.5	731.5	731.5
2.5°	646.8	660.4	657.0	680.7	701.0	707.8	721.3	721.3	724.7	724.7	724.7
5°	613.0	613.0	613.0	613.0	613.0	609.6	623.1	684.1	704.4	707.8	704.4
7.5°	531.7	548.6	575.7	585.9	596.0	592.6	585.9	548.6	606.2	613.0	616.3
10°	572.3	572.3	572.3	565.5	538.5	514.8	487.7	460.6	470.7	531.7	531.7
12.5°	508.0	504.6	555.4	562.2	511.4	447.0	426.7	436.9	406.4	464.0	464.0
15°	572.3	572.3	562.2	528.3	423.3	447.0	379.3	382.7	433.5	501.2	501.2
17.5°	487.7	491.0	548.6	514.8	460.6	359.0	419.9	379.3	389.5	426.7	430.1
20°	582.5	582.5	565.5	440.2	433.5	447.0	386.1	375.9	433.5	501.2	504.6
22.5°	501.2	501.2	508.0	511.4	447.0	440.2	386.1	436.9	409.8	409.8	457.2
25°	606.2	606.2	589.3	467.3	491.0	426.7	447.0	409.8	501.2	552.0	552.0
27.5°	531.7	531.7	511.4	531.7	474.1	508.0	447.0	484.3	538.5	650.2	657.0
30°	646.8	646.8	629.9	528.3	524.9	494.4	497.8	562.2	694.2	765.4	765.4
32.5°	785.7	789.1	684.1	606.2	531.7	568.9	541.8	640.1	724.7	799.2	802.6
35°	843.2	843.2	806.0	704.4	579.1	599.4	589.3	677.3	778.9	839.9	839.9
37.5°	911.0	911.0	883.9	755.2	636.7	663.8	616.3	728.1	839.9	894.0	887.3
40°	982.1	971.9	955.0	809.4	697.6	704.4	663.8	782.3	897.4	951.6	951.6
42.5°	1070.1	1070.1	1039.7	900.8	758.6	768.7	707.8	850.0	982.1	1046.4	1049.8
45°	1168.4	1165.0	1134.5	1002.4	833.1	850.0	782.3	941.5	1087.1	1148.0	1154.8
47.5°	1283.5	1283.5	1246.2	1110.8	927.9	944.8	866.9	1032.9	1215.8	1269.9	1276.7
50°	1405.4	1395.2	1361.4	1236.1	1053.2	1046.4	961.8	1134.5	1351.2	1388.5	1402.0
52.5°	1547.6	1534.1	1520.5	1378.3	1192.1	1195.4	1083.7	1242.9	1507.0	1527.3	1534.1
55°	1689.9	1679.7	1669.6	1554.4	1344.4	1364.8	1246.2	1391.9	1662.8	1676.3	1689.9
57.5°	1849.0	1859.2	1859.2	1750.8	1517.2	1568.0	1422.3	1578.1	1849.0	1838.9	1835.5
60°	2079.3	2059.0	2082.7	1984.5	1754.2	1794.9	1639.1	1805.0	2028.5	1987.9	1977.7
62.5°	2265.6	2262.2	2289.3	2245.3	1974.3	2075.9	1852.4	2021.8	2197.9	2164.0	2167.4
65°	2478.9	2475.5	2509.4	2489.1	2204.6	2333.3	2086.1	2265.6	2401.0	2363.8	2357.0
67.5°	2685.5	2695.7	2736.3	2763.4	2390.9	2556.8	2309.6	2495.9	2600.8	2539.9	2546.7
70°	2939.5	2922.6	2956.4	2959.8	2543.3	2719.4	2482.3	2641.5	2770.2	2729.5	2722.8
72.5°	3081.7	3071.6	3105.4	3102.1	2658.4	2827.7	2563.6	2732.9	2875.2	2868.4	2858.2
75°	2926.0	2939.5	2983.5	3044.5	2665.2	2888.7	2553.4	2672.0	2783.7	2746.5	2736.3
77.5°	2296.1	2323.2	2428.1	2624.6	2485.7	2865.0	2374.0	2343.5	2367.2	2323.2	2296.1
80°	1219.1	1242.9	1466.4	1801.6	1994.7	2489.1	1994.7	1703.4	1452.8	1273.3	1120.9
82.5°	389.5	419.9	524.9	829.7	1259.8	1733.9	1154.8	653.6	450.4	386.1	362.4
85°	213.4	220.1	237.1	321.7	443.6	701.0	470.7	277.7	243.8	233.7	230.3
87.5°	179.5	182.9	149.0	182.9	213.4	220.1	213.4	152.4	155.8	172.7	169.3
90°	189.6	189.6	152.4	179.5	213.4	216.7	213.4	159.2	155.8	182.9	179.5
92.5°	206.6	206.6	172.7	193.0	237.1	230.3	230.3	165.9	172.7	196.4	196.4
95°	220.1	216.7	186.3	196.4	250.6	257.4	250.6	176.1	186.3	213.4	213.4
97.5°	162.6	155.8	135.5	176.1	237.1	270.9	250.6	165.9	145.6	162.6	159.2
100°	77.9	74.5	71.1	132.1	186.3	206.6	179.5	118.5	64.3	40.6	40.6
102.5°	16.9	16.9	47.4	91.4	108.4	108.4	98.2	81.3	40.6	13.5	13.5
105°	13.5	16.9	33.9	50.8	54.2	30.5	47.4	50.8	23.7	13.5	13.5
107.5°	13.5	16.9	13.5	16.9	16.9	13.5	16.9	20.3	10.2	13.5	13.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.9	16.9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	13.5	16.9
115°	13.5	13.5	6.8	6.8	6.8	6.8	3.4	6.8	6.8	13.5	13.5
117.5°	13.5	13.5	6.8	3.4	3.4	3.4	3.4	6.8	6.8	13.5	16.9
120°	16.9	13.5	6.8	3.4	3.4	3.4	3.4	3.4	10.2	16.9	16.9
122.5°	16.9	16.9	6.8	3.4	3.4	3.4	3.4	3.4	10.2	16.9	20.3
125°	16.9	13.5	6.8	3.4	3.4	3.4	3.4	3.4	6.8	16.9	16.9
127.5°	13.5	13.5	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.5	16.9
130°	13.5	13.5	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.5	13.5
132.5°	10.2	10.2	6.8	3.4	3.4	0.0	3.4	3.4	6.8	10.2	10.2
135°	6.8	6.8	3.4	0.0	3.4	0.0	3.4	0.0	3.4	6.8	10.2
137.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
140°	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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	3.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	3.4	0.0	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4
150°	3.4	3.4	6.8	3.4	3.4	0.0	3.4	3.4	0.0	0.0	3.4
152.5°	6.8	6.8	6.8	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4
155°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	6.8	6.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
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°	16.9	16.9	6.8	6.8	6.8	6.8	6.8	6.8	6.8	13.5	16.9
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