

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: P845707

Luminaire Tested: **GLAN-SB1A-727-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1A-727-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3130 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

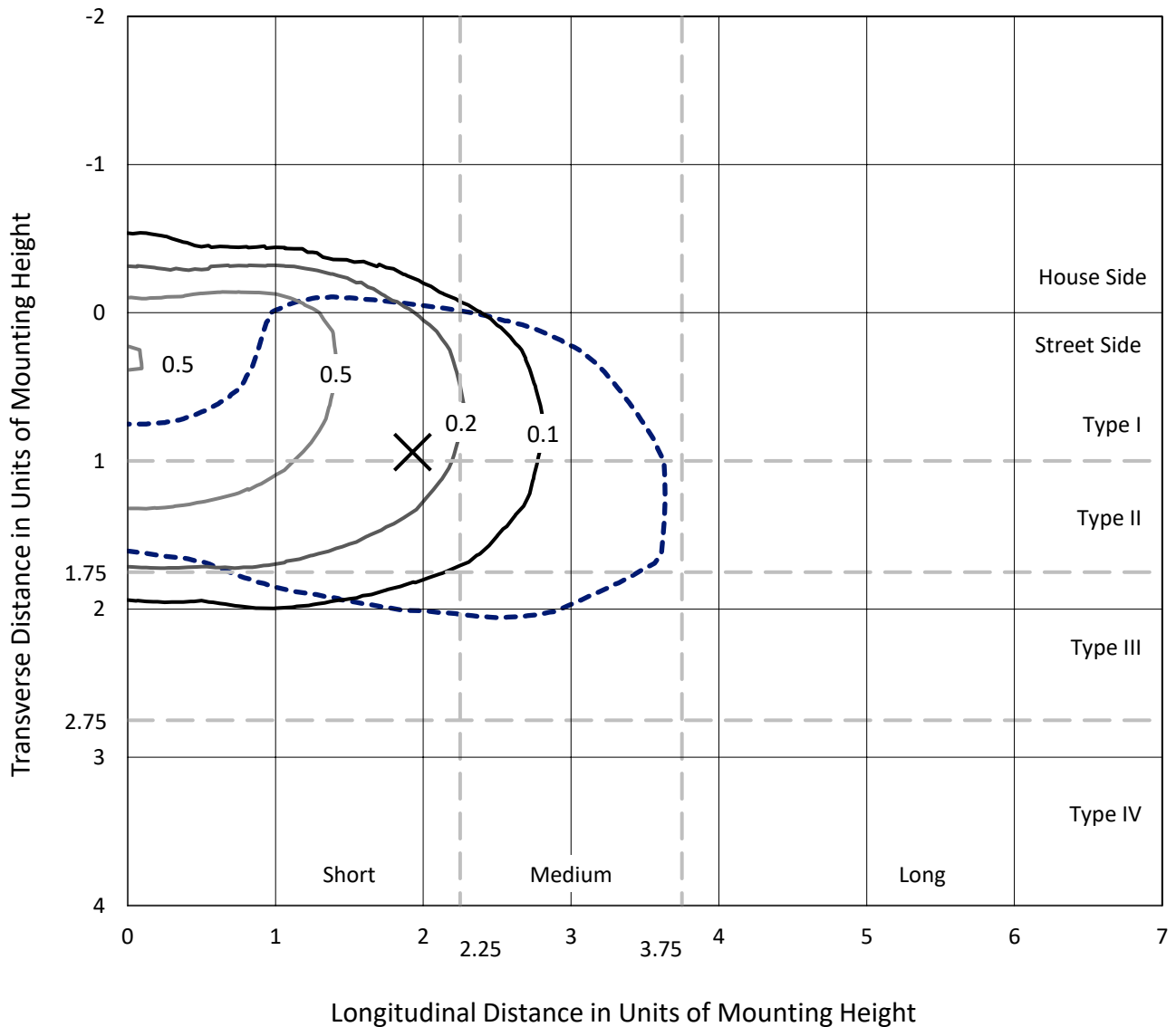
Input Watts (W): 30.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

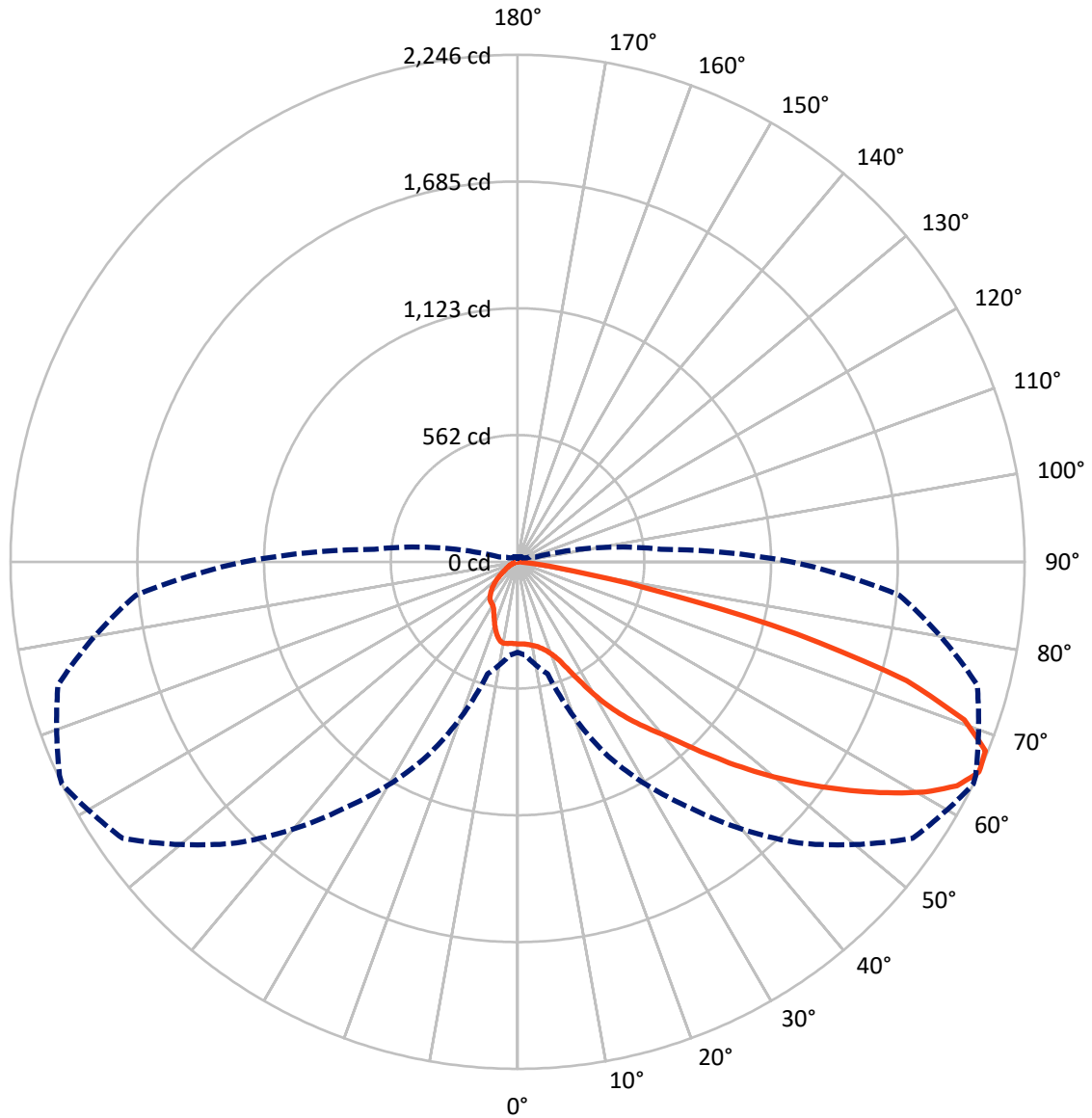
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	418.6	0.0	418.6
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	2711.4	0.0	2711.4
	% Fixture	86.6	0.0	86.6
Total	Lumens	3130.0	0.0	3130.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.6	1.1
10°-20°	91.1	2.9
20°-30°	172.6	5.5
30°-40°	349.3	11.2
40°-50°	595.1	19.0
50°-60°	809.2	25.9
60°-70°	759.9	24.3
70°-80°	304.4	9.7
80°-90°	14.7	0.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3130.0	100.0
0°-180°	3130.0	100.0

Coefficient of Utilization



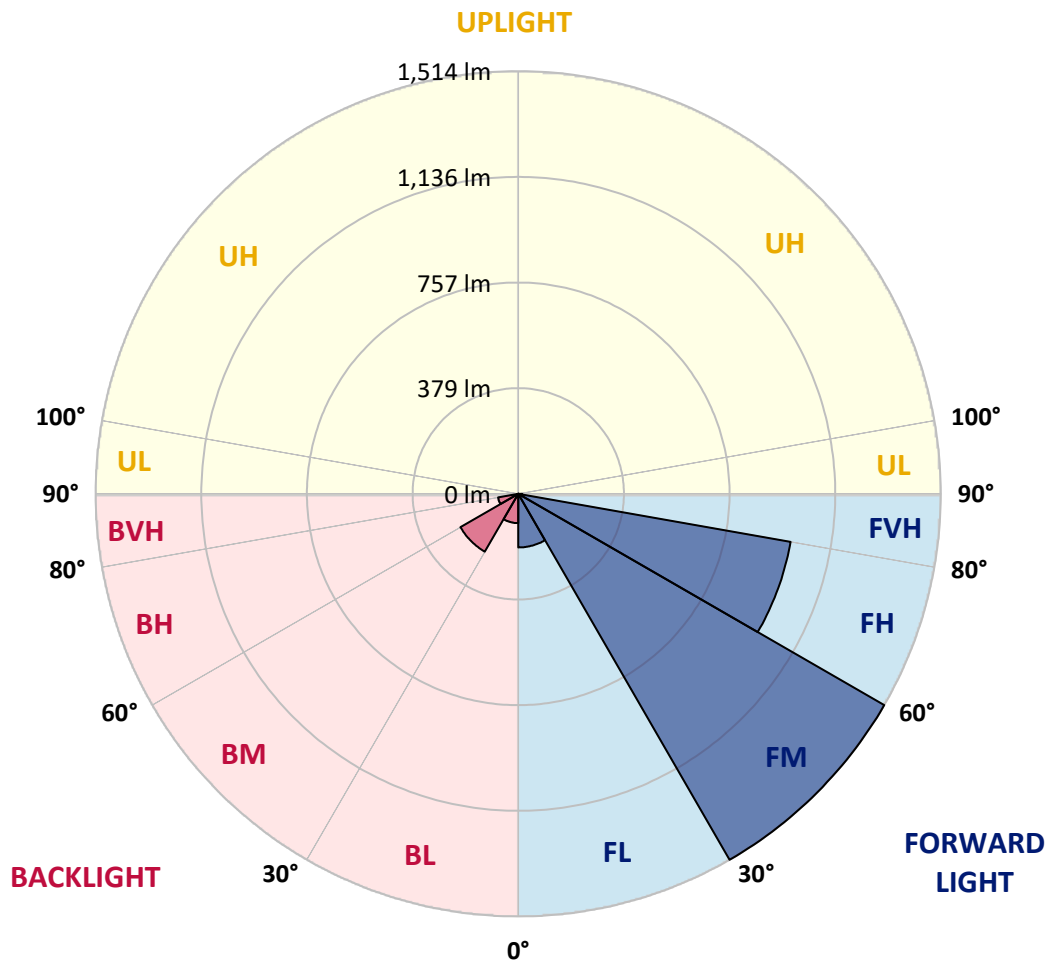
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.2	6.1			
FM (30°-60°)	1514.3	48.4			
FH (60°-80°)	990.9	31.7			G1/1800
FVH (80°-90°)	14.0	0.4			G1/100
BL (0°-30°)	105.1	3.4	B0/110		
BM (30°-60°)	239.3	7.6	B1/1000		
BH (60°-80°)	73.5	2.3	B0/110		G0/110
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	364.1	364.1	364.1	364.1	364.1	364.1	364.1	364.1	364.1	364.1
2.5°	362.8	365.3	364.7	364.1	363.8	364.3	364.5	364.3	364.3	364.3
5°	355.9	358.0	358.0	359.4	361.5	364.1	365.9	366.4	366.8	367.4
7.5°	342.6	344.3	345.6	350.4	355.7	362.4	368.0	371.0	371.4	373.7
10°	333.6	335.7	337.8	342.9	350.4	360.5	370.1	377.3	378.3	383.8
12.5°	333.2	335.3	338.0	343.5	352.3	363.0	374.8	385.0	386.9	394.9
15°	337.6	340.1	342.6	349.4	358.8	371.8	384.4	397.2	399.1	410.4
17.5°	346.6	350.0	351.9	358.6	368.7	383.1	399.7	414.4	416.1	429.3
20°	364.5	368.5	369.1	374.5	384.4	399.9	419.7	437.9	440.0	455.1
22.5°	401.4	407.1	402.0	404.8	413.6	429.1	450.5	473.6	476.5	493.7
25°	466.4	474.4	461.4	456.8	460.6	476.7	503.6	532.8	536.1	550.0
27.5°	594.2	584.0	564.2	544.9	533.6	542.8	573.0	609.1	613.3	626.8
30°	734.6	725.6	698.9	656.1	629.3	627.8	655.7	696.0	700.8	713.6
32.5°	875.2	866.6	837.6	785.0	738.4	715.3	734.6	779.3	781.8	790.0
35°	1013.5	1004.7	975.7	921.8	864.5	812.0	808.3	858.6	859.5	868.1
37.5°	1152.6	1145.2	1114.4	1061.5	1005.1	932.7	897.6	933.7	934.8	943.2
40°	1251.8	1255.0	1233.8	1192.9	1144.4	1065.3	997.9	1013.7	1007.4	1021.4
42.5°	1337.0	1343.3	1324.9	1304.3	1276.2	1206.5	1122.2	1119.4	1109.4	1116.9
45°	1410.7	1415.9	1399.3	1394.5	1393.9	1345.0	1257.9	1241.6	1227.5	1226.0
47.5°	1437.7	1447.8	1454.9	1471.1	1502.6	1482.0	1398.3	1372.9	1357.2	1345.6
50°	1448.0	1458.7	1483.1	1530.1	1604.6	1613.4	1538.0	1509.5	1490.2	1469.2
52.5°	1434.2	1453.3	1486.0	1565.1	1673.2	1718.7	1672.1	1647.1	1625.1	1590.9
55°	1352.6	1371.6	1438.6	1564.7	1707.4	1792.6	1798.9	1787.7	1763.0	1709.0
57.5°	1180.5	1208.8	1314.8	1511.4	1706.7	1856.1	1923.1	1931.0	1903.3	1826.1
60°	942.1	980.5	1109.8	1393.3	1654.1	1890.5	2032.0	2071.8	2042.5	1941.5
62.5°	657.4	701.9	824.2	1208.2	1533.6	1865.8	2111.5	2185.1	2162.9	2044.8
65°	401.0	415.2	513.9	950.7	1328.8	1762.1	2136.0	2246.4	2239.1	2107.9
67.5°	267.1	279.1	307.4	651.9	1031.5	1555.0	2077.3	2235.7	2237.8	2097.7
70°	160.9	171.2	189.7	379.2	668.5	1230.9	1895.4	2099.3	2111.5	1960.2
72.5°	66.3	73.2	90.0	171.8	346.2	781.2	1509.3	1802.4	1830.7	1648.2
75°	37.6	41.1	52.9	86.2	150.2	364.1	914.2	1279.5	1321.3	1136.0
77.5°	25.0	26.6	34.2	55.8	84.6	124.2	390.7	666.6	746.4	620.5
80°	16.8	18.3	23.5	37.3	55.0	53.3	124.4	247.0	303.8	213.2
82.5°	11.3	11.5	16.8	24.5	34.8	25.8	36.7	76.8	96.5	61.7
85°	6.5	6.3	12.4	14.3	15.5	10.7	11.1	23.1	30.2	26.0
87.5°	0.8	1.3	4.8	3.8	2.1	2.3	2.3	4.0	5.9	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
364.1	0°	364.1	364.1	364.1	364.1	364.1	364.1	364.1	364.1	364.1	364.1
364.5	2.5°	364.5	364.3	363.6	363.0	361.5	360.7	361.1	360.7	360.5	360.7
367.2	5°	367.2	366.6	364.9	362.8	359.9	356.3	354.0	350.6	347.5	345.6
374.5	7.5°	374.5	373.9	371.6	365.7	356.3	341.4	327.8	315.8	306.8	301.5
386.3	10°	386.3	385.2	381.7	368.7	343.9	311.4	284.3	261.9	247.2	240.3
400.1	12.5°	400.1	398.9	392.6	365.9	320.4	269.6	232.3	207.3	193.7	187.6
416.1	15°	416.5	414.8	402.5	352.9	286.2	223.5	189.3	170.6	161.8	156.3
436.4	17.5°	436.9	433.9	409.8	333.4	249.1	188.2	162.8	148.8	141.0	135.8
463.1	20°	463.3	458.5	415.7	310.1	214.9	166.0	145.0	133.2	127.4	122.7
500.9	22.5°	500.2	493.3	422.8	284.9	190.7	150.7	131.8	123.2	118.3	113.1
553.5	25°	546.0	537.8	431.6	261.7	174.2	137.4	122.1	115.0	109.3	103.2
622.6	27.5°	610.0	595.3	442.1	242.6	159.9	126.1	113.3	105.3	98.8	93.8
700.8	30°	681.3	657.2	451.3	231.0	146.9	115.6	101.8	93.8	87.7	84.1
771.1	32.5°	748.9	716.1	457.4	226.0	135.1	103.7	89.2	80.6	76.0	74.9
839.9	35°	812.7	769.4	456.8	221.2	124.6	91.7	76.8	68.0	64.4	65.0
914.0	37.5°	886.1	826.3	452.4	213.6	116.0	80.8	66.1	58.3	55.2	55.4
1004.0	40°	971.5	892.0	449.7	199.3	106.6	70.7	57.3	51.0	48.7	47.8
1098.9	42.5°	1062.6	955.6	450.1	183.2	94.8	61.7	51.2	46.0	43.9	43.2
1204.4	45°	1154.1	1016.2	450.7	166.4	82.5	54.8	46.8	42.4	41.1	40.3
1311.4	47.5°	1240.1	1067.8	439.0	148.3	70.3	49.5	43.2	40.3	39.2	38.2
1418.9	50°	1320.2	1102.2	410.6	127.4	60.6	45.3	40.5	38.4	37.3	36.3
1516.2	52.5°	1382.6	1107.7	363.8	105.8	53.9	42.2	38.8	36.9	35.7	34.6
1594.9	55°	1410.3	1073.5	297.3	85.6	48.7	39.4	37.1	35.3	33.8	32.7
1656.8	57.5°	1403.1	1001.5	231.9	68.8	43.6	36.7	35.0	33.8	32.1	30.4
1707.0	60°	1368.1	905.2	174.8	57.3	39.0	33.8	32.7	31.7	29.4	26.9
1726.3	62.5°	1307.4	784.1	124.6	47.4	34.0	30.4	30.0	29.2	25.8	21.2
1697.7	65°	1214.7	637.0	83.9	39.4	29.2	26.6	26.9	25.4	21.0	15.7
1593.2	67.5°	1079.1	465.8	53.7	32.3	24.3	22.2	22.5	21.6	17.8	13.4
1395.1	70°	906.5	308.4	35.0	24.5	19.5	17.2	18.5	18.7	15.1	10.9
1070.8	72.5°	664.5	182.1	24.5	18.3	14.3	12.0	15.1	15.5	12.2	8.2
644.2	75°	378.7	86.4	18.5	13.2	8.8	8.4	11.8	11.8	8.4	5.5
278.9	77.5°	159.0	36.1	13.0	8.6	5.0	4.8	8.0	7.3	4.2	2.5
68.0	80°	46.0	16.2	6.9	4.2	2.1	1.9	3.1	2.3	1.0	0.4
25.8	82.5°	18.0	7.1	2.7	1.7	0.8	0.8	0.4	0.0	0.0	0.0
14.7	85°	10.7	2.9	1.3	0.6	0.2	0.0	0.0	0.0	0.0	0.0
3.1	87.5°	2.7	0.6	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
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364.1
361.5
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