

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: P846497

Luminaire Tested: **GLAN-SB2A-927-U-T3-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846497
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-SB2A-927-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4531 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

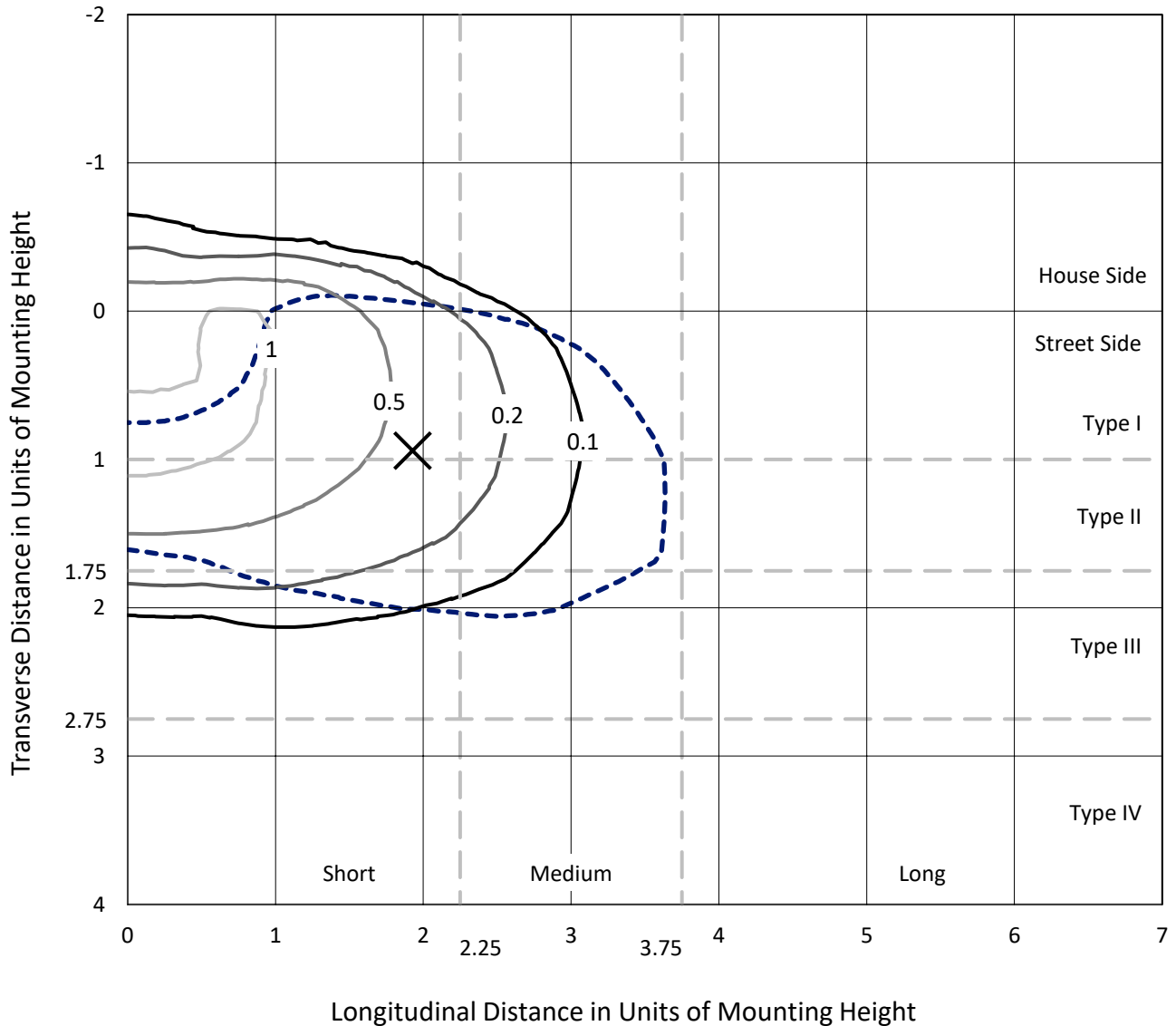
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

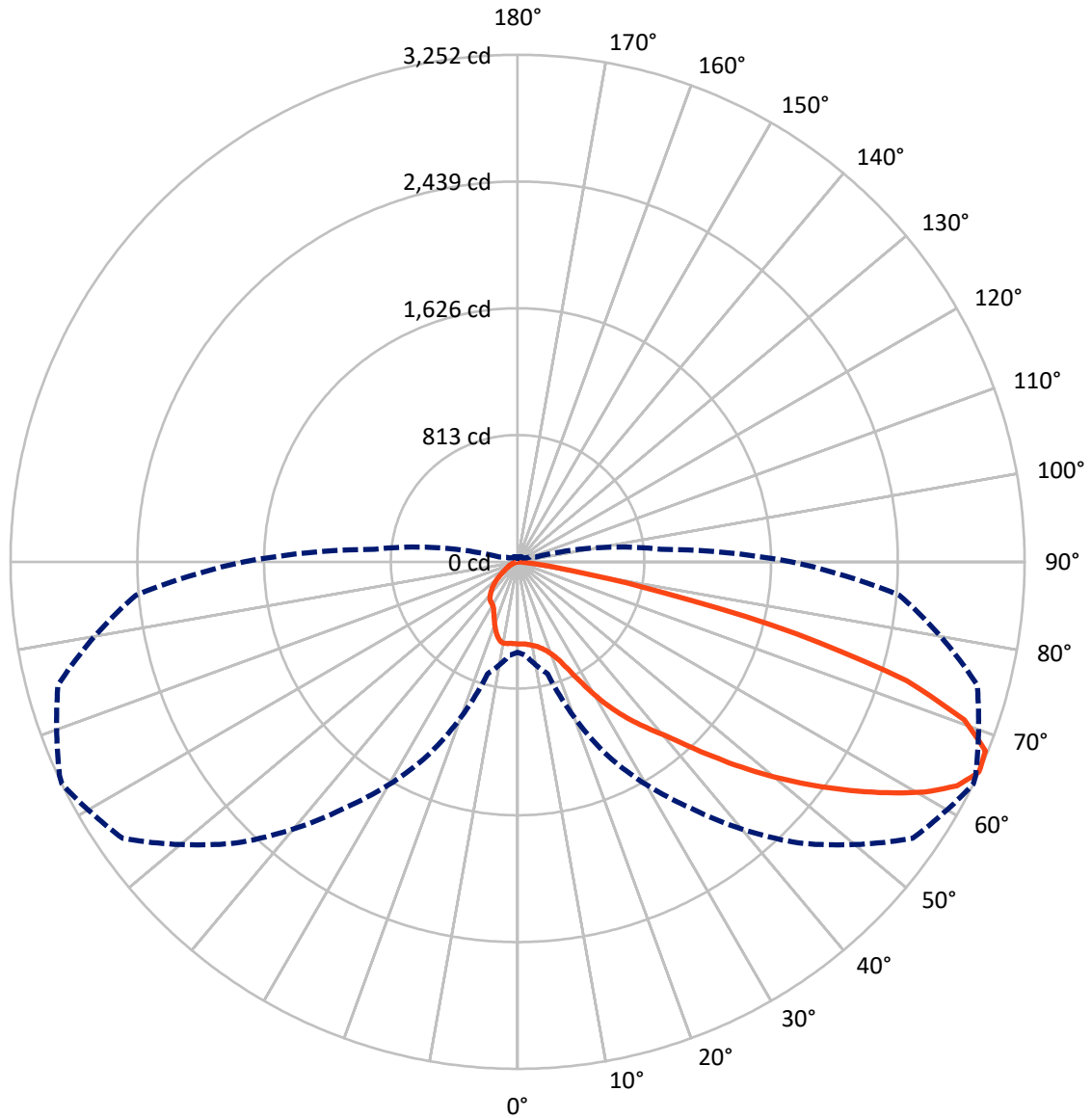
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	605.9	0.0	605.9
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	3925.1	0.0	3925.1
	% Fixture	86.6	0.0	86.6
Total	Lumens	4531.0	0.0	4531.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.6	1.1
10°-20°	131.9	2.9
20°-30°	249.9	5.5
30°-40°	505.7	11.2
40°-50°	861.4	19.0
50°-60°	1171.4	25.9
60°-70°	1100.0	24.3
70°-80°	440.7	9.7
80°-90°	21.3	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°	4531.0	100.0
0°-180°	4531.0	100.0

Coefficient of Utilization



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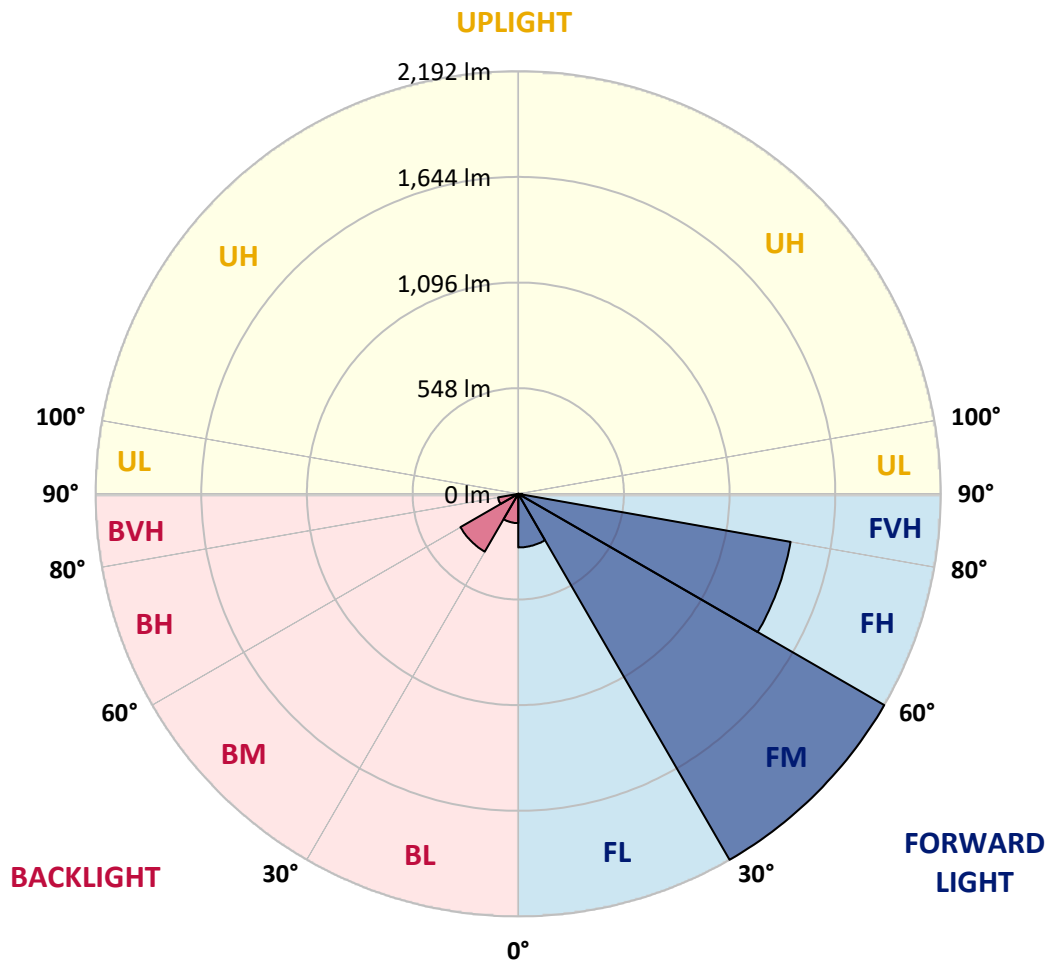
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	278.3	6.1			
FM (30°-60°)	2192.1	48.4			
FH (60°-80°)	1434.4	31.7			G1/1800
FVH (80°-90°)	20.3	0.4			G1/100
BL (0°-30°)	152.1	3.4	B1/500		
BM (30°-60°)	346.4	7.6	B1/1000		
BH (60°-80°)	106.3	2.3	B0/110		G0/110
BVH (80°-90°)	1.0	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°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
2.5°	525.2	528.8	527.9	527.0	526.7	527.3	527.6	527.3	527.3	527.3
5°	515.2	518.2	518.2	520.3	523.4	527.0	529.7	530.3	531.0	531.9
7.5°	496.0	498.5	500.3	507.3	514.9	524.6	532.8	537.0	537.6	541.0
10°	483.0	486.0	489.0	496.3	507.3	521.8	535.8	546.1	547.7	555.6
12.5°	482.4	485.4	489.3	497.2	510.0	525.5	542.5	557.4	560.1	571.7
15°	488.7	492.4	496.0	505.7	519.4	538.2	556.5	575.0	577.7	594.1
17.5°	501.8	506.7	509.4	519.1	533.7	554.6	578.6	599.9	602.3	621.5
20°	527.6	533.4	534.3	542.2	556.5	578.9	607.5	633.9	637.0	658.8
22.5°	581.1	589.3	582.0	585.9	598.7	621.2	652.1	685.6	689.8	714.7
25°	675.2	686.8	667.9	661.3	666.7	690.1	729.0	771.2	776.1	796.1
27.5°	860.2	845.3	816.8	788.8	772.4	785.8	829.5	881.8	887.9	907.3
30°	1063.4	1050.4	1011.8	949.8	910.9	908.8	949.2	1007.5	1014.5	1033.0
32.5°	1266.9	1254.5	1212.6	1136.3	1068.9	1035.5	1063.4	1128.1	1131.8	1143.6
35°	1467.1	1454.3	1412.4	1334.4	1251.4	1175.5	1170.0	1242.9	1244.2	1256.6
37.5°	1668.5	1657.9	1613.2	1536.7	1455.0	1350.2	1299.4	1351.7	1353.2	1365.3
40°	1812.2	1816.7	1786.0	1726.8	1656.6	1542.1	1444.6	1467.4	1458.3	1478.6
42.5°	1935.5	1944.6	1917.9	1888.1	1847.4	1746.5	1624.4	1620.5	1605.9	1616.8
45°	2042.1	2049.7	2025.7	2018.7	2017.8	1947.0	1821.0	1797.3	1776.9	1774.8
47.5°	2081.3	2095.9	2106.2	2129.6	2175.1	2145.4	2024.2	1987.4	1964.6	1947.9
50°	2096.2	2111.7	2146.9	2214.9	2322.8	2335.5	2226.5	2185.2	2157.2	2126.8
52.5°	2076.1	2103.8	2151.1	2265.7	2422.1	2488.0	2420.6	2384.4	2352.5	2303.0
55°	1958.0	1985.6	2082.5	2265.0	2471.6	2594.9	2604.0	2587.9	2552.1	2474.0
57.5°	1708.9	1749.9	1903.3	2187.9	2470.7	2687.0	2783.8	2795.4	2755.3	2643.5
60°	1363.8	1419.4	1606.5	2016.9	2394.4	2736.8	2941.5	2999.2	2956.7	2810.6
62.5°	951.6	1016.0	1193.1	1749.0	2220.1	2700.9	3056.6	3163.2	3131.0	2960.0
65°	580.5	601.1	743.9	1376.3	1923.6	2550.9	3092.2	3251.9	3241.3	3051.4
67.5°	386.7	404.0	445.0	943.7	1493.2	2251.1	3007.1	3236.4	3239.5	3036.6
70°	233.0	247.9	274.6	548.9	967.7	1781.8	2743.8	3039.0	3056.6	2837.6
72.5°	96.0	106.0	130.3	248.8	501.2	1130.9	2184.9	2609.2	2650.2	2385.9
75°	54.4	59.5	76.5	124.8	217.5	527.0	1323.4	1852.3	1912.7	1644.5
77.5°	36.1	38.6	49.5	80.8	122.4	179.8	565.6	965.0	1080.4	898.2
80°	24.3	26.4	34.0	54.1	79.6	77.2	180.1	357.5	439.8	308.6
82.5°	16.4	16.7	24.3	35.5	50.4	37.4	53.2	111.2	139.7	89.3
85°	9.4	9.1	17.9	20.7	22.5	15.5	16.1	33.4	43.7	37.7
87.5°	1.2	1.8	7.0	5.5	3.0	3.3	3.3	5.8	8.5	9.1
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°
527.0	0°	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0	527.0
527.6	2.5°	527.6	527.3	526.4	525.5	523.4	522.1	522.7	522.1	521.8	522.1
531.6	5°	531.6	530.6	528.2	525.2	520.9	515.8	512.4	507.6	503.0	500.3
542.2	7.5°	542.2	541.3	537.9	529.4	515.8	494.2	474.5	457.1	444.1	436.5
559.2	10°	559.2	557.7	552.5	533.7	497.8	450.8	411.6	379.1	357.8	347.8
579.2	12.5°	579.2	577.4	568.3	529.7	463.8	390.3	336.2	300.1	280.4	271.6
602.3	15°	602.9	600.5	582.6	510.9	414.3	323.5	274.0	246.9	234.2	226.3
631.8	17.5°	632.4	628.2	593.2	482.7	360.5	272.5	235.7	215.4	204.1	196.5
670.4	20°	670.7	663.7	601.7	448.9	311.0	240.3	209.9	192.9	184.4	177.7
725.0	22.5°	724.1	714.1	612.1	412.5	276.1	218.1	190.8	178.3	171.3	163.7
801.3	25°	790.4	778.5	624.8	378.8	252.1	199.0	176.8	166.5	158.3	149.4
901.2	27.5°	883.0	861.7	640.0	351.1	231.5	182.6	164.0	152.5	143.1	135.8
1014.5	30°	986.3	951.3	653.4	334.4	212.6	167.4	147.3	135.8	127.0	121.8
1116.3	32.5°	1084.1	1036.7	662.2	327.1	195.6	150.1	129.1	116.6	110.0	108.4
1215.9	35°	1176.4	1113.8	661.3	320.2	180.4	132.7	111.2	98.4	93.3	94.2
1323.1	37.5°	1282.7	1196.2	654.9	309.2	168.0	116.9	95.7	84.4	79.9	80.2
1453.4	40°	1406.4	1291.2	650.9	288.6	154.3	102.4	82.9	73.8	70.5	69.3
1590.7	42.5°	1538.2	1383.3	651.5	265.2	137.3	89.3	74.1	66.5	63.5	62.6
1743.5	45°	1670.6	1471.1	652.5	240.9	119.4	79.3	67.7	61.4	59.5	58.3
1898.4	47.5°	1795.1	1545.8	635.4	214.7	101.8	71.7	62.6	58.3	56.8	55.3
2053.9	50°	1911.2	1595.6	594.4	184.4	87.8	65.6	58.6	55.6	54.1	52.5
2194.9	52.5°	2001.4	1603.5	526.7	153.1	78.1	61.1	56.2	53.5	51.6	50.1
2308.8	55°	2041.5	1554.0	430.4	123.9	70.5	57.1	53.8	51.0	48.9	47.4
2398.4	57.5°	2031.2	1449.8	335.6	99.6	63.2	53.2	50.7	48.9	46.5	44.0
2471.0	60°	1980.4	1310.4	253.0	82.9	56.5	48.9	47.4	45.9	42.5	38.9
2498.9	62.5°	1892.7	1135.1	180.4	68.6	49.2	44.0	43.4	42.2	37.4	30.7
2457.6	65°	1758.4	922.2	121.5	57.1	42.2	38.6	38.9	36.8	30.4	22.8
2306.4	67.5°	1562.2	674.3	77.8	46.8	35.2	32.2	32.5	31.3	25.8	19.4
2019.6	70°	1312.2	446.5	50.7	35.5	28.2	24.9	26.7	27.0	21.9	15.8
1550.0	72.5°	962.0	263.7	35.5	26.4	20.7	17.3	21.9	22.5	17.6	11.8
932.5	75°	548.3	125.1	26.7	19.1	12.8	12.1	17.0	17.0	12.1	7.9
403.7	77.5°	230.2	52.2	18.8	12.5	7.3	7.0	11.5	10.6	6.1	3.6
98.4	80°	66.5	23.4	10.0	6.1	3.0	2.7	4.6	3.3	1.5	0.6
37.4	82.5°	26.1	10.3	3.9	2.4	1.2	1.2	0.6	0.0	0.0	0.0
21.3	85°	15.5	4.3	1.8	0.9	0.3	0.0	0.0	0.0	0.0	0.0
4.6	87.5°	3.9	0.9	0.6	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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527.0
523.4
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