

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: P852618

Luminaire Tested: **GLAN-SB5A-930-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852618  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB5A-930-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11575 lumens  
Efficiency: N/A  
Efficacy: 81.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

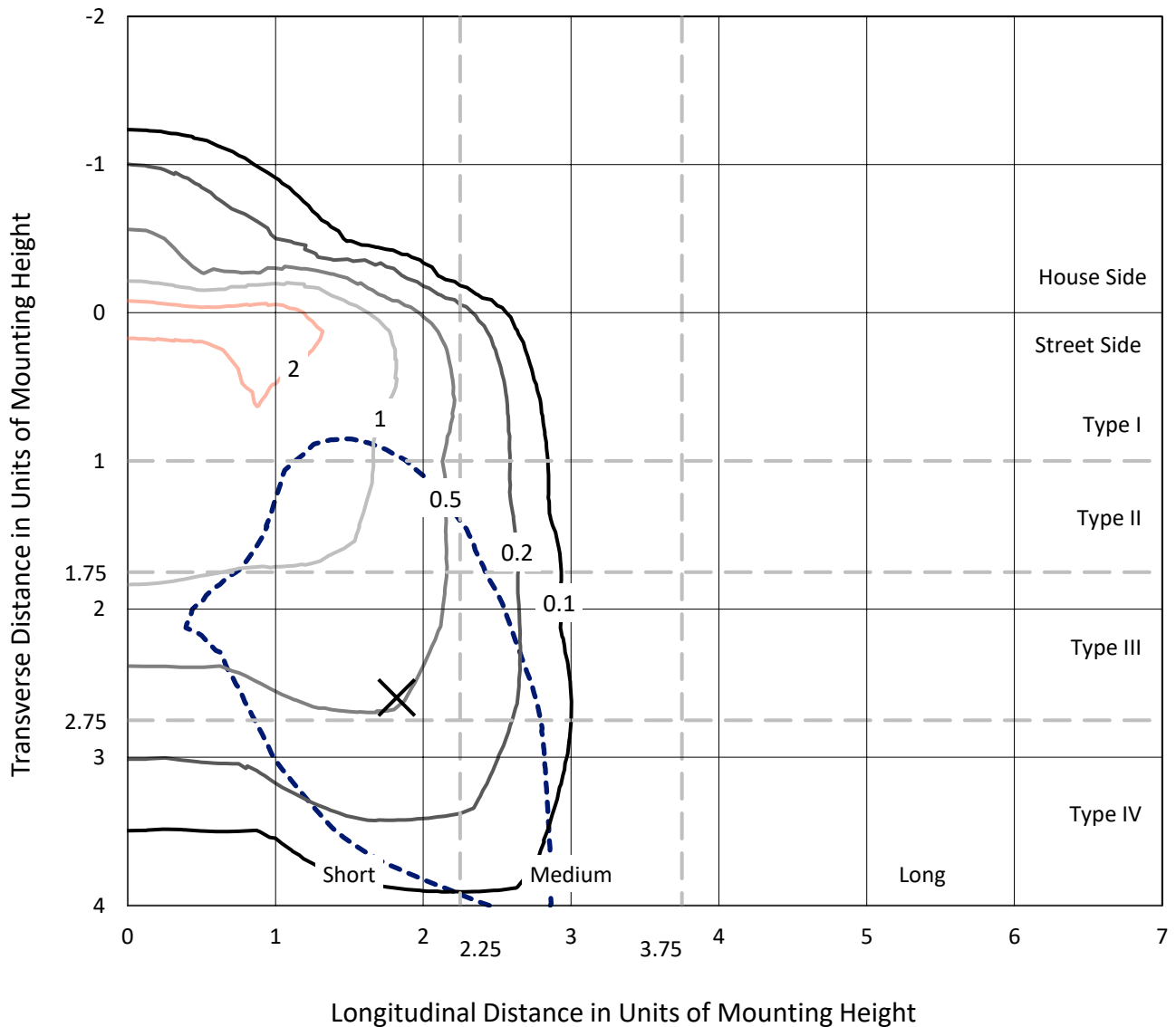
Input Watts (W): 141.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

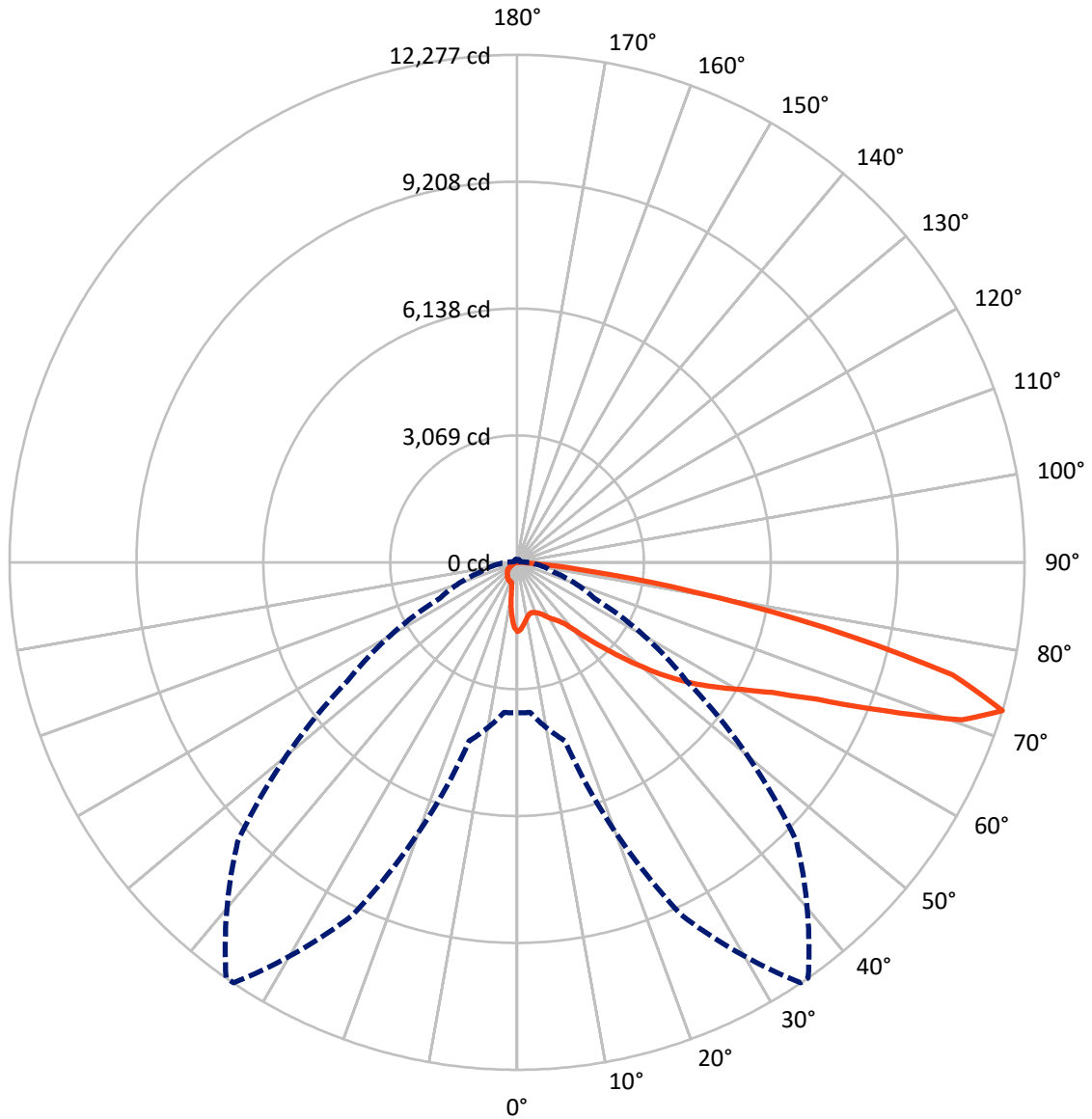
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1302.7	0.0	1302.7
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	10272.3	0.0	10272.3
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	11575.0	0.0	11575.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.9	1.2
10°-20°	322.5	2.8
20°-30°	523.9	4.5
30°-40°	874.1	7.6
40°-50°	1653.8	14.3
50°-60°	2627.9	22.7
60°-70°	3250.9	28.1
70°-80°	2020.8	17.5
80°-90°	163.3	1.4
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°	11575.0	100.0
0°-180°	11575.0	100.0

**Coefficient of Utilization**



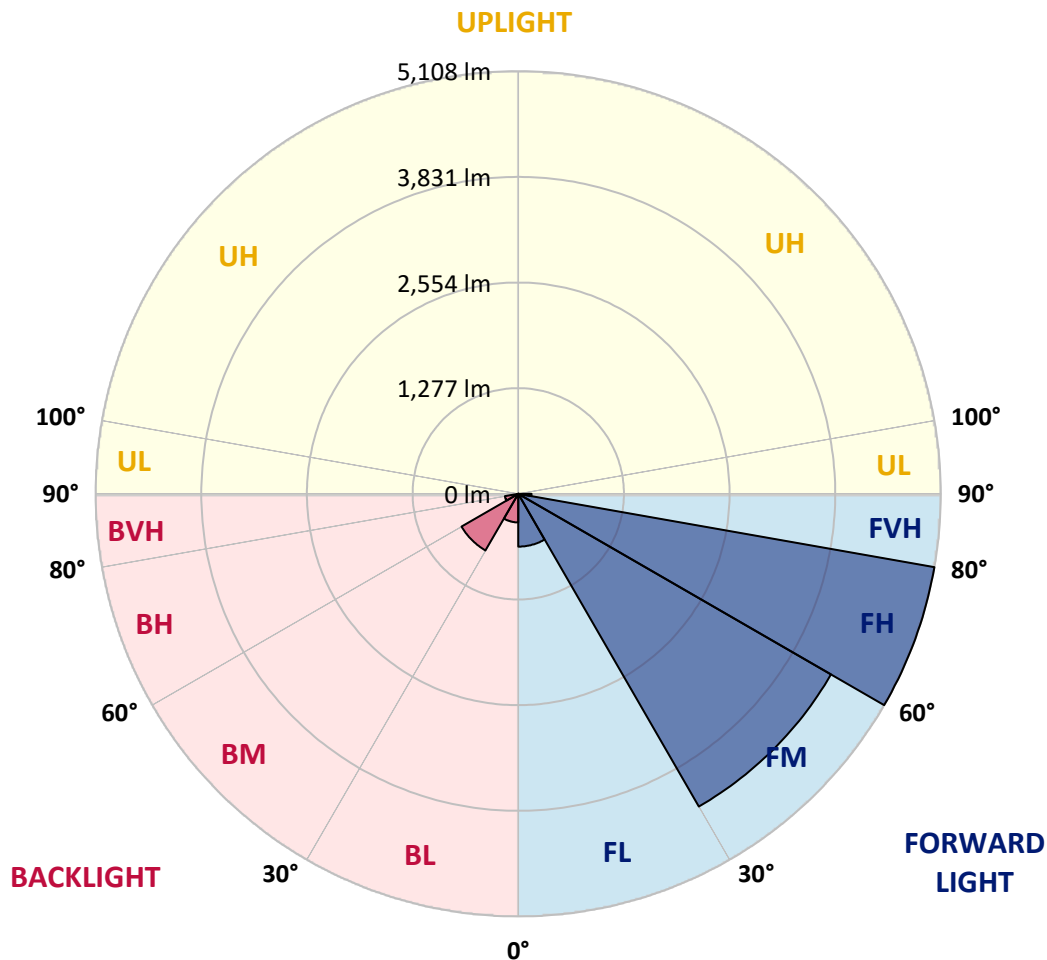
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	638.1	5.5			
FM	(30°-60°)	4364.9	37.7			
FH	(60°-80°)	5108.2	44.1			G3/7500
FVH	(80°-90°)	161.1	1.4			G2/225
BL	(0°-30°)	346.2	3.0	B1/500		
BM	(30°-60°)	790.9	6.8	B1/1000		
BH	(60°-80°)	163.5	1.4	B1/500		G1/500
BVH	(80°-90°)	2.2	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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6
2.5°	1603.0	1616.5	1619.1	1623.3	1623.3	1628.4	1636.9	1648.8	1668.3	1678.5
5°	1477.4	1487.6	1500.3	1510.5	1530.0	1532.6	1565.7	1597.9	1642.8	1676.8
7.5°	1351.1	1362.9	1379.9	1404.5	1430.0	1437.6	1487.6	1541.9	1613.1	1676.8
10°	1262.0	1262.9	1278.1	1302.7	1343.4	1352.8	1413.8	1491.0	1580.1	1666.6
12.5°	1212.0	1217.9	1224.7	1243.4	1282.4	1288.3	1353.6	1444.4	1547.0	1660.6
15°	1212.0	1216.2	1220.5	1229.8	1261.2	1266.3	1323.9	1414.7	1530.0	1663.2
17.5°	1224.7	1231.5	1228.1	1239.1	1272.2	1275.6	1326.5	1406.2	1529.2	1679.3
20°	1255.2	1260.3	1253.5	1260.3	1293.4	1300.2	1352.8	1422.3	1543.6	1707.3
22.5°	1303.6	1306.1	1290.0	1295.1	1329.0	1337.5	1398.6	1468.1	1578.4	1752.2
25°	1364.6	1369.7	1345.1	1351.1	1383.3	1393.5	1463.9	1536.8	1633.5	1814.2
27.5°	1435.0	1437.6	1416.4	1415.5	1457.1	1471.5	1542.8	1621.6	1707.3	1892.2
30°	1515.6	1523.2	1502.9	1499.5	1552.1	1564.0	1634.4	1725.9	1815.9	2009.2
32.5°	1579.2	1585.2	1573.3	1581.8	1635.2	1644.5	1745.5	1873.5	1986.3	2175.5
35°	1670.8	1674.2	1647.1	1662.3	1723.4	1747.2	1897.3	2080.5	2200.9	2384.1
37.5°	2002.4	2002.4	1887.1	1811.6	1870.1	1891.3	2105.1	2340.8	2465.5	2664.0
40°	2461.3	2453.6	2284.9	2130.5	2122.9	2164.4	2401.1	2669.1	2807.3	2999.8
42.5°	2950.7	2938.8	2708.9	2556.3	2530.8	2545.2	2742.9	3073.6	3214.4	3409.5
45°	3384.9	3381.5	3171.2	2965.9	2920.1	2965.9	3169.5	3546.9	3647.8	3853.1
47.5°	3748.7	3748.7	3595.2	3461.2	3437.5	3464.6	3747.0	4071.9	4062.6	4325.5
50°	4167.7	4164.3	4018.5	3960.8	3985.4	4023.5	4412.0	4624.9	4491.7	4789.4
52.5°	4461.2	4481.5	4431.5	4422.2	4547.7	4613.8	5087.1	5166.0	4875.9	5229.6
55°	4693.6	4717.3	4775.0	4840.3	5082.0	5168.5	5741.0	5679.1	5197.4	5611.2
57.5°	5022.6	4988.7	5077.8	5206.7	5597.7	5702.0	6374.6	6163.4	5456.0	5920.8
60°	5422.1	5427.2	5442.5	5605.3	6112.5	6246.5	6998.8	6621.4	5622.3	6110.8
62.5°	5902.2	5909.8	5941.2	6191.4	6803.7	6930.1	7663.7	6996.2	5698.6	6057.4
65°	5869.1	5901.3	6251.6	7107.3	7854.6	7979.2	8439.8	7259.2	5583.3	5568.8
67.5°	5346.6	5399.2	5985.3	8201.4	9438.9	9578.0	9377.8	7310.9	5085.4	4330.6
70°	4661.3	4680.0	5384.8	9185.3	11273.4	11414.2	10217.4	6741.8	3859.0	2415.5
72.5°	3640.2	3644.4	4471.4	9413.4	12269.1	12276.7	9558.5	5004.8	2075.4	927.9
75°	2600.4	2574.9	2994.8	7634.0	10794.2	10880.7	7165.9	2347.6	793.0	438.5
77.5°	1394.3	1422.3	1694.6	4527.3	7456.8	7604.4	3909.9	676.8	403.7	298.5
80°	430.9	454.6	694.6	2072.8	4223.7	4312.8	1449.5	301.1	281.6	212.9
82.5°	135.7	140.8	324.0	871.0	1753.1	1793.8	419.8	170.5	192.5	140.8
85°	39.0	39.9	144.2	324.8	433.4	441.9	117.9	66.2	110.3	87.4
87.5°	4.2	13.6	54.3	54.3	38.2	37.3	12.7	14.4	31.4	11.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1677.6	0°	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6	1677.6
1685.2	2.5°	1681.0	1681.8	1670.8	1652.2	1631.8	1614.8	1593.6	1576.7	1564.8	1561.4
1700.5	5°	1692.9	1686.9	1655.6	1598.7	1530.9	1472.4	1407.1	1355.3	1321.4	1307.0
1716.6	7.5°	1710.7	1693.7	1625.0	1513.1	1383.3	1268.0	1150.9	1060.2	1002.5	973.7
1731.9	10°	1725.9	1692.0	1574.1	1389.2	1190.8	1016.1	858.3	748.9	687.8	659.0
1749.7	12.5°	1740.4	1691.2	1508.0	1242.5	973.7	759.9	613.2	558.9	542.0	536.0
1778.5	15°	1767.5	1693.7	1424.9	1074.6	757.4	574.2	520.8	519.9	523.3	521.6
1822.6	17.5°	1804.8	1696.3	1330.7	896.5	584.4	506.3	503.8	511.4	516.5	514.0
1877.8	20°	1853.2	1706.4	1230.6	720.1	502.1	489.4	495.3	502.1	506.3	502.1
1951.6	22.5°	1921.0	1724.3	1121.2	578.4	475.8	479.2	484.3	491.9	496.2	490.2
2045.7	25°	2004.1	1752.2	1013.5	502.9	463.1	467.3	475.0	483.4	488.5	482.6
2164.4	27.5°	2111.8	1797.2	914.3	486.0	450.4	452.9	463.9	476.7	483.4	475.8
2333.2	30°	2267.9	1871.0	828.6	493.6	442.7	436.8	452.1	469.9	477.5	470.7
2563.1	32.5°	2474.8	1975.3	776.0	505.5	439.3	418.1	432.5	455.4	468.2	463.9
2863.3	35°	2746.3	2133.9	755.7	519.1	436.8	398.6	408.8	433.4	455.4	459.7
3241.6	37.5°	3075.3	2354.4	761.6	525.0	429.2	382.5	387.6	408.8	437.6	451.2
3667.3	40°	3449.4	2611.4	795.5	519.1	420.7	368.9	369.8	385.9	411.3	431.7
4125.3	42.5°	3835.3	2911.6	858.3	497.0	413.0	357.1	354.5	365.5	382.5	396.9
4582.5	45°	4202.5	3220.4	920.2	466.5	403.7	345.2	339.3	343.5	346.9	352.8
5027.7	47.5°	4523.1	3437.5	902.4	438.5	391.0	331.6	321.4	319.7	309.6	308.7
5425.5	50°	4744.5	3485.0	801.5	410.5	372.3	316.4	300.2	290.1	272.3	263.8
5723.2	52.5°	4814.8	3297.5	654.8	382.5	341.8	296.0	273.1	257.0	234.9	227.3
5894.5	55°	4721.6	2930.3	523.3	348.6	299.4	268.9	243.4	222.2	204.4	195.1
5913.2	57.5°	4493.4	2463.0	413.9	308.7	254.4	238.3	212.9	191.7	176.4	167.1
5706.2	60°	4115.1	1955.8	327.4	261.2	217.1	205.2	179.0	165.4	151.8	140.8
5171.9	62.5°	3541.0	1396.0	257.0	206.9	181.5	167.9	152.7	142.5	126.4	111.1
4211.0	65°	2763.2	854.1	198.5	151.8	145.9	139.1	129.8	120.4	100.9	85.7
2747.1	67.5°	1742.9	404.6	141.6	114.5	115.3	112.0	107.7	100.1	85.7	72.1
1230.6	70°	767.6	195.9	93.3	87.4	85.7	85.7	89.1	86.5	72.9	60.2
427.5	72.5°	261.2	105.2	69.5	66.2	61.9	61.1	74.6	72.1	58.5	46.6
212.9	75°	136.5	70.4	50.9	47.5	37.3	45.0	59.4	56.0	41.6	30.5
140.8	77.5°	89.1	50.0	34.8	30.5	21.2	29.7	44.1	39.0	24.6	15.3
92.4	80°	56.0	33.1	20.4	14.4	10.2	16.1	23.7	17.0	9.3	3.4
54.3	82.5°	29.7	17.0	7.6	5.1	4.2	5.1	5.9	4.2	1.7	0.0
28.0	85°	11.9	5.9	2.5	1.7	0.8	0.0	1.7	0.8	0.0	0.0
5.1	87.5°	4.2	0.8	0.0	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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1677.6
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