

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: P851305

Luminaire Tested: **GLAN-SB9B-722-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851305  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-722-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29287 lumens  
Efficiency: N/A  
Efficacy: 88.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

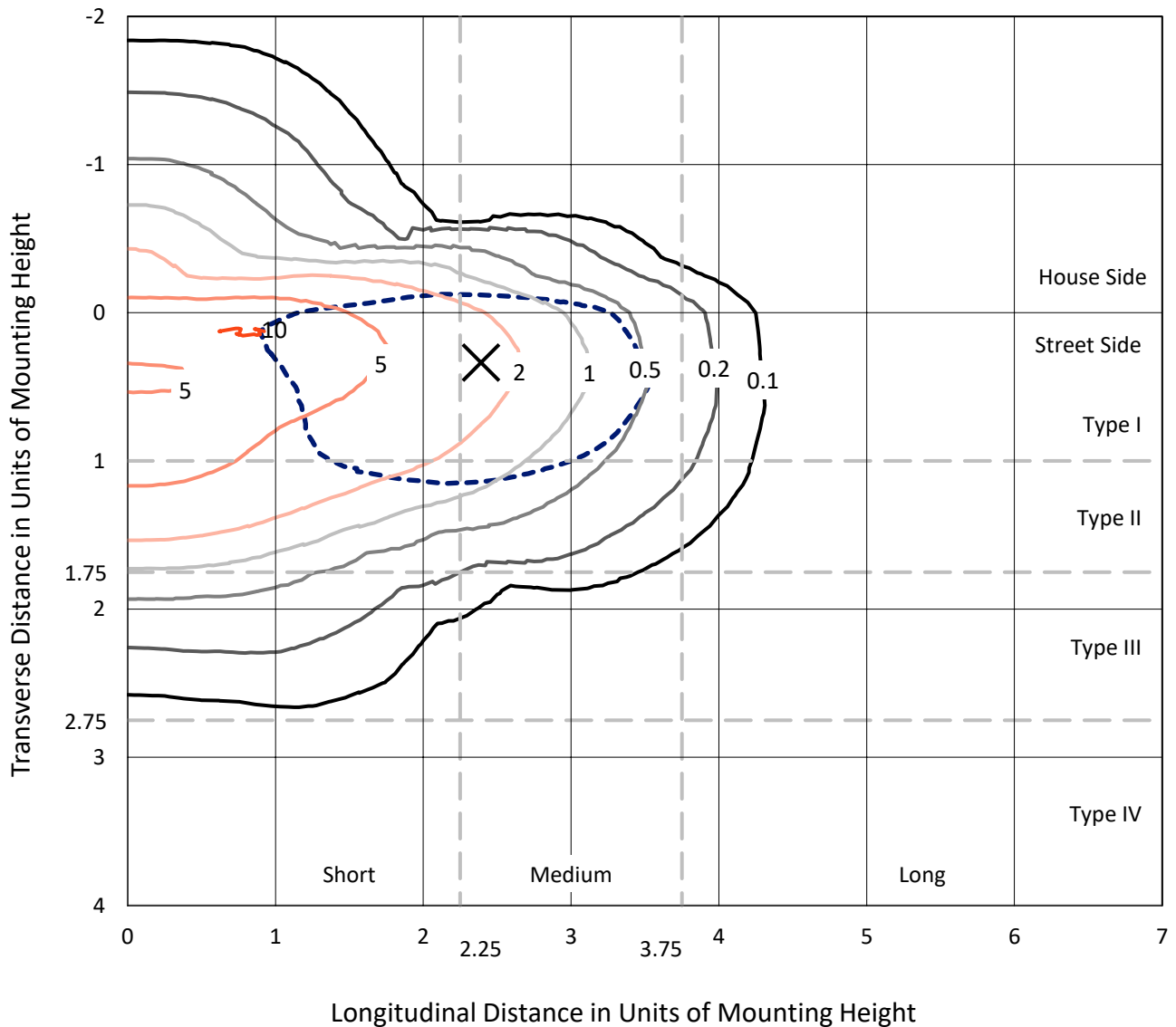
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

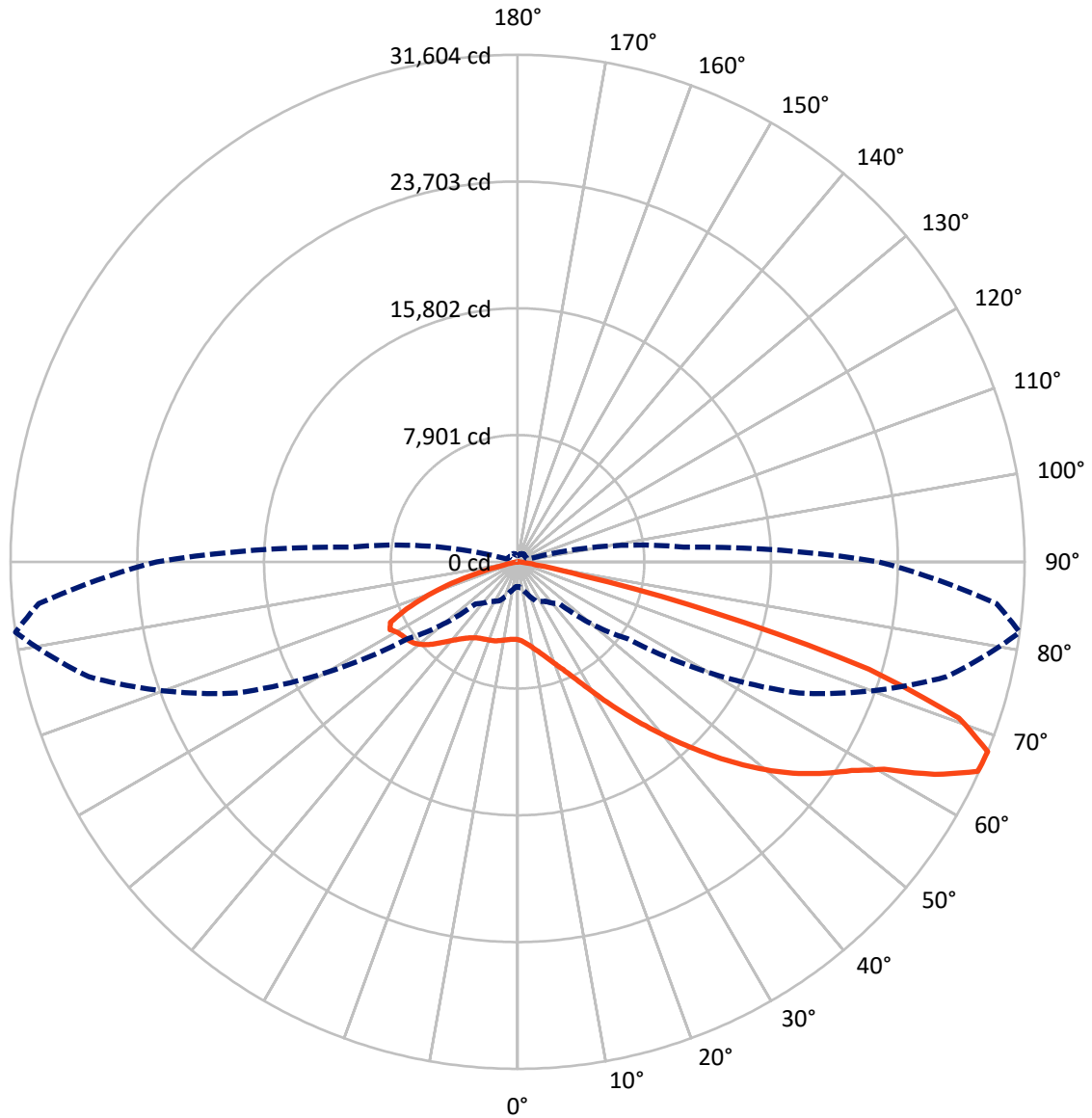
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5305.1	0.0	5305.1
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	23981.9	0.0	23981.9
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	29287.0	0.0	29287.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	432.3	1.5
10°-20°	1123.3	3.8
20°-30°	1799.1	6.1
30°-40°	3181.4	10.9
40°-50°	5574.2	19.0
50°-60°	7434.4	25.4
60°-70°	6921.0	23.6
70°-80°	2656.3	9.1
80°-90°	165.0	0.6
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°	29287.0	100.0
0°-180°	29287.0	100.0

**Coefficient of Utilization**

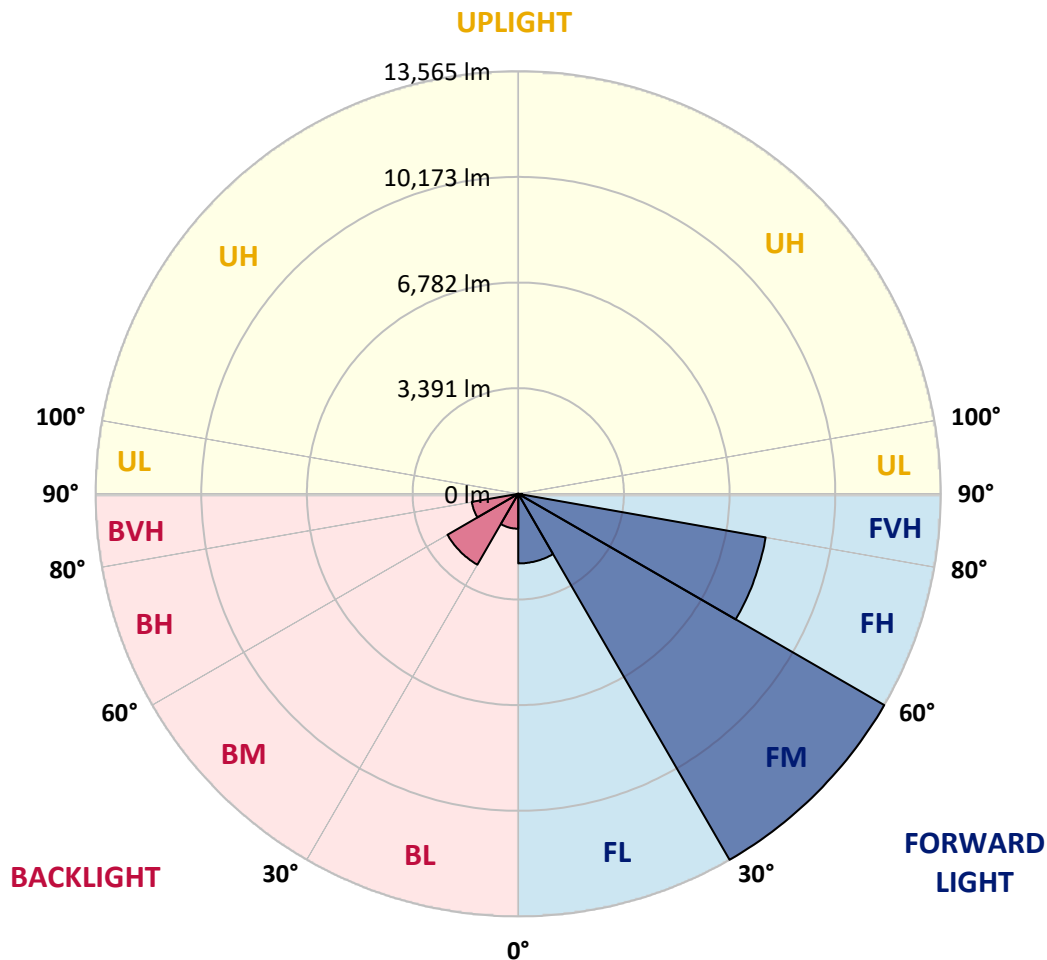


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2234.3	7.6			
FM (30°-60°)	13564.5	46.3			
FH (60°-80°)	8063.2	27.5			G4/12000
FVH (80°-90°)	119.9	0.4			G2/225
BL (0°-30°)	1120.4	3.8	B3/2500		
BM (30°-60°)	2625.5	9.0	B3/5000		
BH (60°-80°)	1514.2	5.2	B3/2500		G3/2500
BVH (80°-90°)	45.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4851.9	4851.9	4851.9	4851.9	4851.9	4851.9	4851.9	4851.9	4851.9	4851.9
2.5°	5128.1	5157.6	5140.7	5132.3	5117.5	5096.5	5079.6	5026.9	4972.1	4936.2
5°	5231.4	5260.9	5258.8	5267.3	5277.8	5284.1	5279.9	5220.9	5142.9	5081.7
7.5°	5142.9	5176.6	5204.0	5246.2	5320.0	5398.0	5435.9	5423.3	5343.2	5258.8
10°	4891.9	4927.8	4993.1	5092.2	5248.3	5417.0	5558.2	5623.6	5573.0	5480.2
12.5°	4432.3	4468.1	4596.7	4811.8	5073.3	5366.4	5636.3	5811.3	5823.9	5731.1
15°	3915.7	3951.5	4088.6	4358.5	4757.0	5227.2	5678.4	6009.5	6121.2	6041.1
17.5°	3595.1	3626.8	3730.1	3947.3	4362.7	4948.9	5663.7	6220.3	6475.5	6412.2
20°	3498.2	3525.6	3574.1	3725.9	4071.7	4660.0	5566.7	6418.5	6857.1	6821.3
22.5°	3601.5	3626.8	3641.5	3709.0	3926.2	4470.2	5444.4	6621.0	7299.9	7304.2
25°	3839.7	3865.0	3848.2	3890.3	3985.2	4411.2	5398.0	6859.2	7856.6	7903.0
27.5°	4231.9	4234.0	4194.0	4191.9	4206.6	4499.7	5446.5	7114.4	8558.8	8645.2
30°	5018.4	4986.8	4832.9	4666.3	4590.4	4765.4	5581.4	7415.9	9387.4	9541.4
32.5°	6230.9	6184.5	5901.9	5503.4	5102.8	5193.5	5823.9	7759.6	10289.9	10568.3
35°	7546.6	7534.0	7238.8	6646.3	5946.2	5802.8	6218.2	8210.8	11274.6	11717.4
37.5°	8769.6	8763.3	8594.6	7896.7	7044.8	6652.6	6850.8	8801.3	12328.9	12969.9
40°	9887.2	9906.2	9737.5	9113.3	8255.1	7742.7	7711.1	9530.8	13501.3	14334.2
42.5°	10852.9	10874.0	10703.2	10241.4	9450.7	8948.9	8767.5	10424.9	14646.3	15799.7
45°	11508.7	11639.4	11614.1	11245.1	10677.9	10157.1	10036.9	11546.6	15951.5	17353.7
47.5°	11694.2	11814.4	12004.2	12054.8	11709.0	11196.6	11340.0	12898.2	17271.5	18909.8
50°	11236.7	11348.4	11742.7	12267.8	12508.2	12350.0	12607.3	14346.8	18623.1	20461.8
52.5°	10334.2	10448.1	10945.7	11776.5	12757.0	13254.6	13878.7	15774.4	19932.5	21931.4
55°	9029.0	9149.2	9788.1	10728.5	12282.5	13627.8	14939.4	17199.8	21132.3	23253.5
57.5°	7253.5	7342.1	8006.3	9322.1	11089.1	13256.7	15721.6	18755.9	22262.5	24552.4
60°	4727.5	4805.5	5577.2	7044.8	9111.2	12016.9	15877.7	20491.3	23763.8	26241.4
62.5°	3143.9	3196.6	3654.2	4731.7	6416.4	9636.3	14964.7	21876.6	25965.2	29180.8
65°	2157.1	2209.8	2667.4	3418.0	4145.5	6374.3	12339.5	21693.2	27959.9	31515.0
67.5°	1539.3	1583.6	1971.5	2680.0	3000.5	3702.7	8364.8	19348.4	27673.1	31603.5
70°	1102.8	1128.1	1448.6	2087.5	2384.8	2224.6	4651.5	14798.1	24229.8	29182.9
72.5°	771.7	780.2	1005.8	1589.9	1920.9	1623.6	2214.0	9866.1	18325.8	22905.6
75°	522.9	533.5	676.9	1166.1	1541.4	1239.9	1172.4	5290.5	10758.0	12678.9
77.5°	320.5	324.7	436.5	797.0	1153.4	944.6	754.9	2241.4	4162.4	4086.4
80°	181.3	181.3	278.3	495.5	786.5	609.4	529.3	953.1	1317.9	1157.6
82.5°	101.2	103.3	202.4	307.9	520.8	360.6	291.0	440.7	569.3	504.0
85°	42.2	46.4	124.4	145.5	248.8	179.2	118.1	185.6	210.9	187.7
87.5°	4.2	6.3	38.0	27.4	29.5	35.8	16.9	35.8	29.5	29.5
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°
4851.9	0°	4851.9	4851.9	4851.9	4851.9	4851.9	4851.9	4851.9	4851.9	4851.9	4851.9
4923.6	2.5°	4883.5	4851.9	4771.7	4679.0	4556.7	4497.6	4417.5	4362.7	4316.3	4320.5
5045.9	5°	4978.4	4898.3	4719.0	4495.5	4217.2	4019.0	3808.1	3662.6	3544.5	3519.2
5214.5	7.5°	5109.1	4982.6	4668.4	4265.7	3795.5	3439.1	3120.7	2916.2	2770.7	2724.3
5419.1	10°	5277.8	5094.4	4603.1	3976.8	3299.9	2846.6	2505.0	2344.8	2245.6	2211.9
5659.5	12.5°	5473.9	5223.0	4516.6	3624.7	2789.7	2353.2	2136.0	2055.9	2024.2	2013.7
5954.7	15°	5720.6	5383.2	4385.9	3207.2	2357.4	2051.7	1958.9	1948.3	1952.6	1948.3
6308.9	17.5°	6013.7	5558.2	4172.9	2777.0	2066.4	1897.7	1864.0	1872.4	1883.0	1880.9
6705.3	20°	6334.2	5731.1	3900.9	2395.4	1868.2	1788.1	1769.1	1777.5	1786.0	1781.8
7162.9	22.5°	6699.0	5916.7	3599.4	2098.0	1735.4	1686.9	1665.8	1667.9	1667.9	1659.5
7742.7	25°	7135.5	6121.2	3283.1	1887.2	1634.2	1596.2	1570.9	1562.5	1549.8	1524.5
8447.0	27.5°	7656.3	6338.4	2979.4	1739.6	1554.0	1518.2	1488.7	1467.6	1435.9	1393.8
9292.6	30°	8242.5	6602.0	2722.2	1646.8	1490.8	1454.9	1421.2	1389.6	1343.2	1290.5
10264.6	32.5°	8932.0	6884.5	2534.5	1585.7	1433.8	1395.9	1355.8	1317.9	1267.3	1214.5
11356.9	35°	9754.3	7226.1	2424.9	1543.5	1389.6	1339.0	1294.7	1252.5	1214.5	1168.2
12544.0	37.5°	10646.3	7588.8	2391.1	1522.4	1360.0	1282.0	1231.4	1201.9	1197.7	1170.3
13828.1	40°	11622.5	8019.0	2416.4	1509.8	1328.4	1227.2	1172.4	1166.1	1176.6	1128.1
15200.8	42.5°	12655.8	8529.2	2458.6	1495.0	1284.1	1172.4	1119.7	1119.7	1111.2	1043.8
16651.5	45°	13773.3	9117.5	2500.8	1459.1	1231.4	1117.6	1077.5	1062.7	1026.9	961.5
18110.7	47.5°	14899.3	9716.4	2532.4	1393.8	1168.2	1071.2	1035.3	1001.6	948.9	889.8
19542.4	50°	15968.3	10254.1	2498.7	1296.8	1096.5	1026.9	988.9	942.5	885.6	845.5
20898.2	52.5°	16923.5	10720.1	2355.3	1182.9	1020.6	980.5	946.8	898.3	851.9	809.7
22121.2	55°	17754.3	11097.5	2102.3	1075.4	953.1	940.4	906.7	845.5	782.3	746.4
23333.7	57.5°	18551.4	11384.3	1786.0	986.8	891.9	896.2	845.5	790.7	731.7	693.7
24967.8	60°	19612.0	11768.0	1465.5	904.6	826.6	839.2	784.4	744.3	670.5	622.0
27770.1	62.5°	21307.3	12364.8	1163.9	803.4	750.7	754.9	731.7	683.2	594.6	537.7
29847.1	65°	22652.6	12145.5	917.2	693.7	664.2	670.5	670.5	617.8	522.9	457.6
29958.8	67.5°	22500.8	10399.6	731.7	586.2	582.0	586.2	600.9	556.7	463.9	411.2
27677.3	70°	20727.4	8272.0	586.2	487.1	506.1	495.5	537.7	508.2	417.5	364.8
21457.0	72.5°	16913.0	5958.9	447.0	402.7	388.0	404.8	485.0	457.6	347.9	288.9
11365.3	75°	9883.0	3179.8	333.2	318.4	280.4	337.4	430.2	390.1	265.7	213.0
3483.4	77.5°	3217.7	1109.1	244.6	234.1	208.8	272.0	366.9	328.9	217.2	168.7
1020.6	80°	862.4	335.3	166.6	153.9	134.9	202.4	291.0	261.5	156.0	109.6
438.6	82.5°	345.8	141.3	97.0	86.5	73.8	139.2	229.8	210.9	116.0	69.6
137.1	85°	111.8	46.4	35.8	27.4	33.7	86.5	137.1	143.4	82.2	35.8
21.1	87.5°	14.8	6.3	6.3	8.4	6.3	14.8	42.2	40.1	23.2	4.2
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°
4851.9
4278.3
3462.3
2677.9
2186.6
2007.4
1946.2
1876.6
1779.6
1655.2
1520.3
1389.6
1286.2
1216.7
1163.9
1168.2
1130.2
1043.8
959.4
887.7
839.2
805.5
742.2
689.5
615.7
533.5
451.2
402.7
358.5
282.6
206.6
162.4
107.5
69.6
27.4
0.0
0.0

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