

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: P853222

Luminaire Tested: **GLAN-SB9C-835-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853222  
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-SB9C-835-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 3500K, 615mA 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: 42763 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

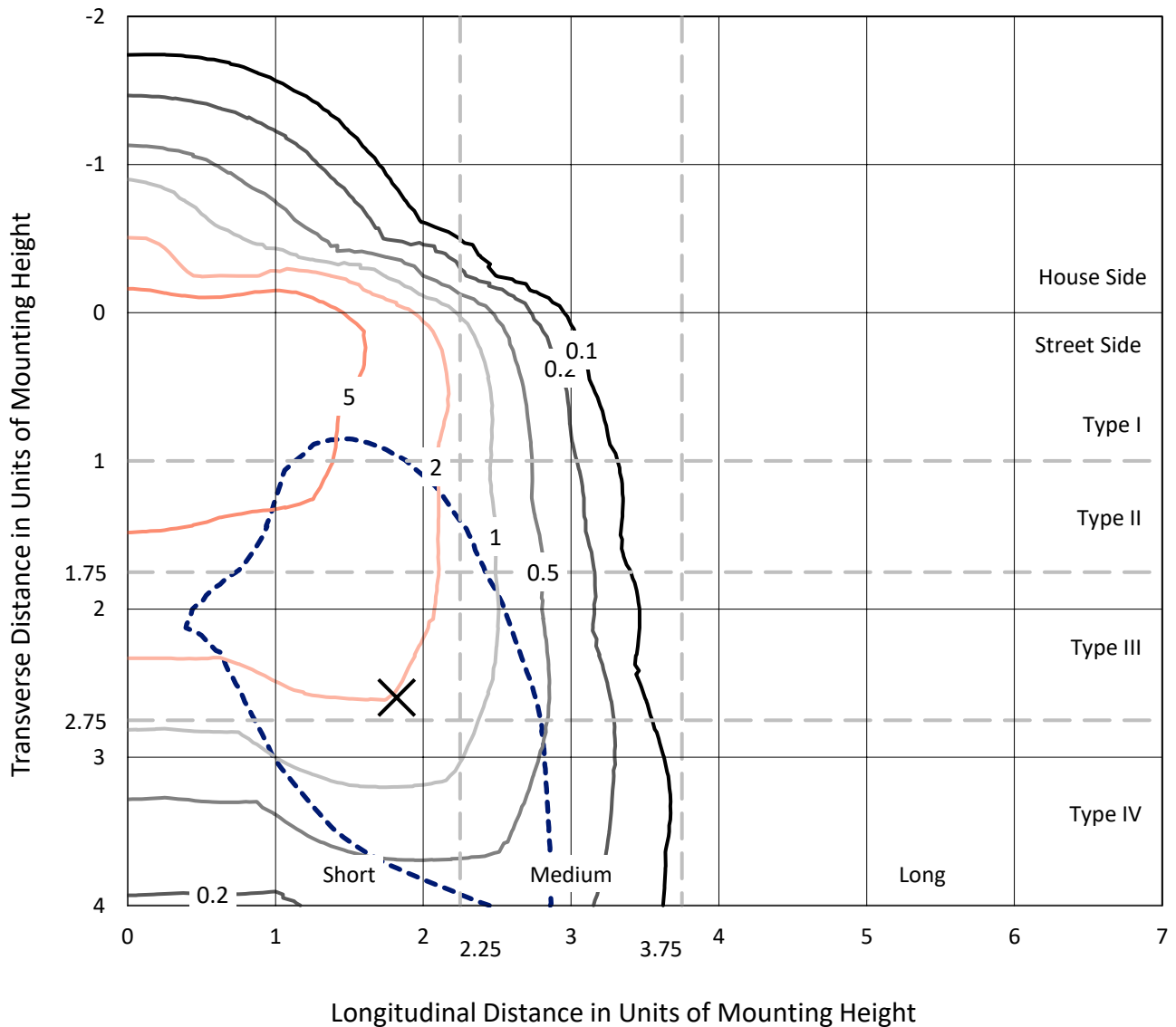
Input Watts (W): 449.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

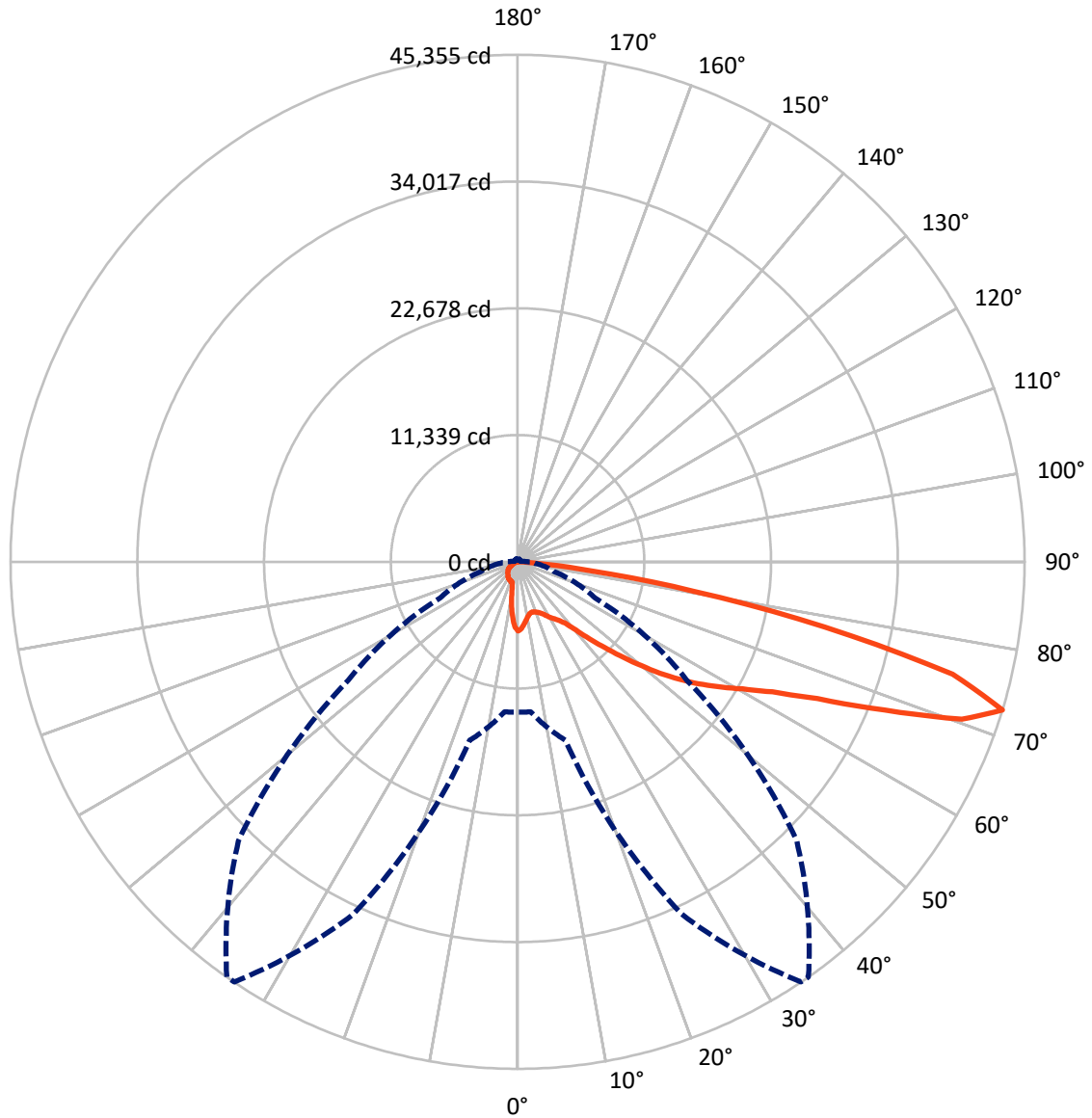
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	4812.8	0.0	4812.8
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	37950.2	0.0	37950.2
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	42763.0	0.0	42763.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	509.3	1.2
10°-20°	1191.4	2.8
20°-30°	1935.5	4.5
30°-40°	3229.3	7.6
40°-50°	6109.9	14.3
50°-60°	9708.6	22.7
60°-70°	12010.2	28.1
70°-80°	7465.6	17.5
80°-90°	603.3	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°	42763.0	100.0
0°-180°	42763.0	100.0

**Coefficient of Utilization**



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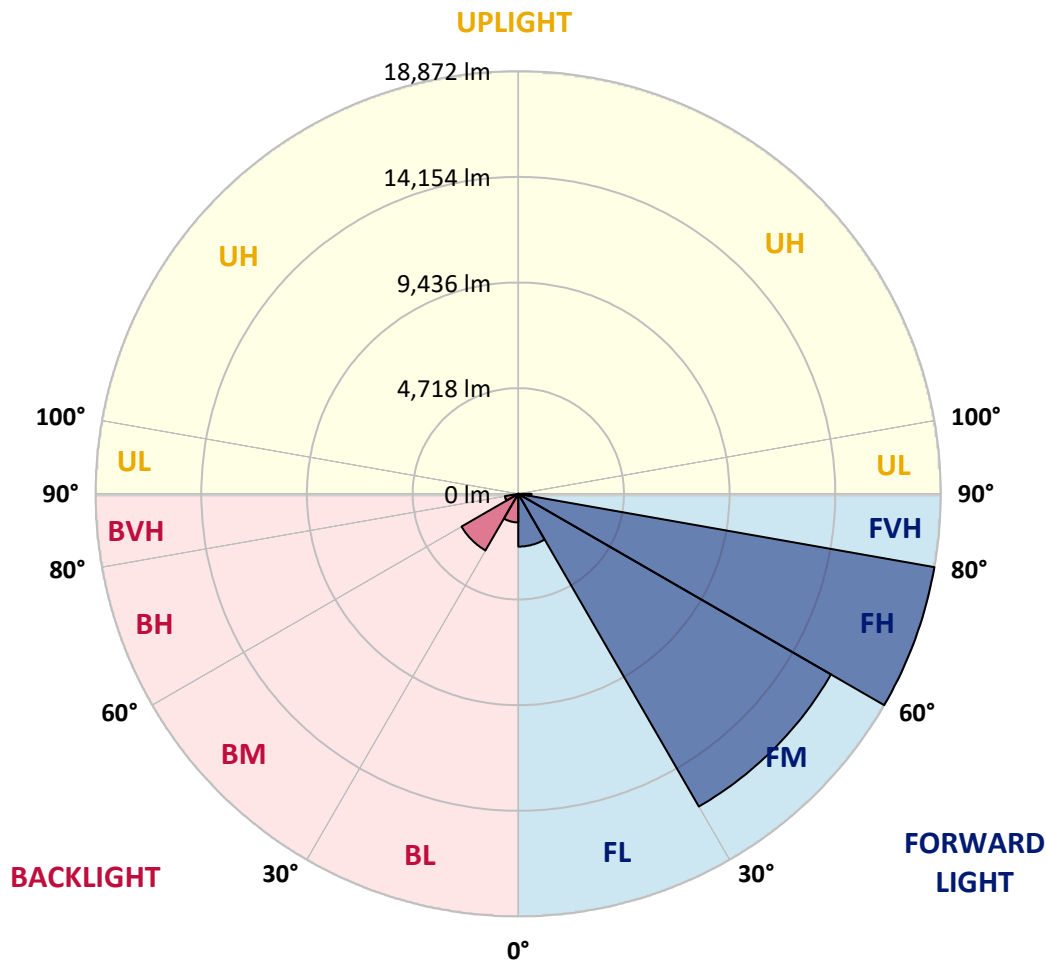
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2357.3	5.5			
FM (30°-60°)	16125.9	37.7			
FH (60°-80°)	18871.8	44.1			G5
FVH (80°-90°)	595.1	1.4			G4/750
BL (0°-30°)	1278.8	3.0	B3/2500		
BM (30°-60°)	2921.8	6.8	B3/5000		
BH (60°-80°)	603.9	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	6197.8	6197.8	6197.8	6197.8	6197.8	6197.8	6197.8	6197.8	6197.8	6197.8
2.5°	5922.1	5972.2	5981.6	5997.3	5997.3	6016.1	6047.4	6091.3	6163.3	6200.9
5°	5458.3	5495.9	5542.9	5580.5	5652.6	5662.0	5784.2	5903.3	6069.3	6194.7
7.5°	4991.4	5035.3	5098.0	5188.8	5282.9	5311.1	5495.9	5696.5	5959.7	6194.7
10°	4662.4	4665.6	4722.0	4812.8	4963.2	4997.7	5223.3	5508.5	5837.5	6157.1
12.5°	4477.6	4499.5	4524.6	4593.5	4737.6	4759.6	5000.8	5336.1	5715.3	6135.1
15°	4477.6	4493.2	4508.9	4543.4	4659.3	4678.1	4891.2	5226.4	5652.6	6144.5
17.5°	4524.6	4549.6	4537.1	4577.8	4700.0	4712.6	4900.6	5195.1	5649.5	6204.1
20°	4637.4	4656.2	4631.1	4656.2	4778.4	4803.4	4997.7	5254.7	5702.7	6307.5
22.5°	4816.0	4825.4	4765.8	4784.6	4910.0	4941.3	5166.9	5423.9	5831.2	6473.5
25°	5041.6	5060.4	4969.5	4991.4	5110.5	5148.1	5408.2	5677.7	6034.9	6702.3
27.5°	5301.7	5311.1	5232.7	5229.6	5383.1	5436.4	5699.6	5991.0	6307.5	6990.5
30°	5599.3	5627.5	5552.3	5539.8	5734.1	5777.9	6038.0	6376.4	6708.5	7422.9
32.5°	5834.3	5856.3	5812.4	5843.7	6041.1	6075.6	6448.5	6921.6	7338.3	8037.1
35°	6172.7	6185.3	6085.0	6141.4	6367.0	6454.7	7009.3	7686.1	8131.1	8807.9
37.5°	7397.9	7397.9	6971.7	6692.9	6909.1	6987.4	7777.0	8648.1	9108.7	9841.9
40°	9093.0	9064.8	8441.3	7871.0	7842.8	7996.3	8870.6	9860.7	10371.4	11082.7
42.5°	10901.0	10857.1	10008.0	9444.0	9350.0	9403.2	10133.3	11355.3	11875.4	12596.1
45°	12505.3	12492.7	11715.6	10957.4	10788.2	10957.4	11709.4	13103.7	13476.6	14234.9
47.5°	13849.5	13849.5	13282.3	12787.3	12699.5	12799.8	13843.2	15043.3	15008.8	15980.2
50°	15397.3	15384.8	14845.9	14632.8	14723.7	14864.7	16299.8	17086.2	16594.3	17694.1
52.5°	16481.5	16556.7	16371.8	16337.4	16801.1	17045.5	18793.9	19085.3	18013.7	19320.3
55°	17340.0	17427.8	17640.8	17882.1	18775.1	19094.7	21209.7	20981.0	19201.2	20730.3
57.5°	18555.8	18430.4	18759.4	19235.7	20680.2	21065.6	23550.4	22770.2	20156.9	21874.0
60°	20031.6	20050.4	20106.8	20708.4	22582.1	23077.2	25856.5	24462.2	20771.1	22575.9
62.5°	21805.1	21833.3	21949.2	22873.6	25135.8	25602.7	28313.1	25847.1	21053.1	22378.5
65°	21682.9	21801.9	23096.0	26257.6	29018.1	29478.7	31180.1	26818.5	20626.9	20573.7
67.5°	19752.7	19947.0	22112.1	30299.6	34871.2	35385.1	34645.6	27009.6	18787.6	15999.0
70°	17221.0	17289.9	19893.7	33934.3	41648.7	42168.8	37747.6	24907.1	14256.8	8923.8
72.5°	13448.4	13464.1	16519.1	34777.2	45327.2	45355.4	35313.0	18490.0	7667.3	3427.9
75°	9606.9	9512.9	11063.9	28203.4	39878.3	40197.9	26473.8	8673.1	2929.7	1619.9
77.5°	5151.2	5254.7	6260.5	16725.9	27548.5	28093.7	14444.8	2500.4	1491.5	1102.9
80°	1591.7	1679.5	2566.2	7657.9	15604.1	15933.2	5354.9	1112.3	1040.3	786.5
82.5°	501.3	520.1	1196.9	3218.0	6476.7	6627.1	1551.0	629.8	711.3	520.1
85°	144.1	147.3	532.7	1200.1	1601.1	1632.5	435.5	244.4	407.3	322.7
87.5°	15.7	50.1	200.5	200.5	141.0	137.9	47.0	53.3	115.9	40.7
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°
6197.8	0°	6197.8	6197.8	6197.8	6197.8	6197.8	6197.8	6197.8	6197.8	6197.8	6197.8
6226.0	2.5°	6210.3	6213.5	6172.7	6103.8	6028.6	5965.9	5887.6	5824.9	5781.1	5768.5
6282.4	5°	6254.2	6232.3	6116.3	5906.4	5655.7	5439.5	5198.2	5007.1	4881.8	4828.5
6341.9	7.5°	6320.0	6257.3	6003.5	5589.9	5110.5	4684.4	4252.0	3916.7	3703.6	3597.1
6398.3	10°	6376.4	6251.1	5815.5	5132.4	4399.2	3753.8	3171.0	2766.8	2541.2	2434.6
6464.1	12.5°	6429.7	6247.9	5571.1	4590.4	3597.1	2807.5	2265.4	2064.9	2002.2	1980.3
6570.7	15°	6529.9	6257.3	5264.1	3970.0	2798.1	2121.3	1923.9	1920.8	1933.3	1927.0
6733.6	17.5°	6667.8	6266.7	4916.2	3312.0	2158.9	1870.6	1861.2	1889.4	1908.2	1898.8
6937.3	20°	6846.4	6304.3	4546.5	2660.2	1855.0	1808.0	1829.9	1855.0	1870.6	1855.0
7209.9	22.5°	7097.1	6370.1	4142.3	2137.0	1757.8	1770.4	1789.2	1817.4	1833.0	1811.1
7557.7	25°	7404.1	6473.5	3744.4	1858.1	1710.8	1726.5	1754.7	1786.0	1804.8	1782.9
7996.3	27.5°	7802.1	6639.6	3377.8	1795.4	1663.8	1673.2	1713.9	1761.0	1786.0	1757.8
8619.9	30°	8378.6	6912.2	3061.3	1823.6	1635.6	1613.7	1670.1	1735.9	1764.1	1739.0
9469.0	32.5°	9143.2	7297.6	2867.0	1867.5	1623.1	1544.7	1598.0	1682.6	1729.6	1713.9
10578.2	35°	10145.8	7883.5	2791.8	1917.6	1613.7	1472.7	1510.3	1601.1	1682.6	1698.3
11975.7	37.5°	11361.6	8698.2	2813.8	1939.6	1585.5	1413.1	1431.9	1510.3	1616.8	1666.9
13548.7	40°	12743.4	9647.6	2939.1	1917.6	1554.1	1363.0	1366.1	1425.7	1519.7	1594.9
15240.7	42.5°	14169.1	10756.8	3171.0	1836.2	1525.9	1319.1	1309.7	1350.5	1413.1	1466.4
16929.6	45°	15525.8	11897.4	3399.7	1723.3	1491.5	1275.3	1253.3	1269.0	1281.5	1303.5
18574.6	47.5°	16710.2	12699.5	3333.9	1619.9	1444.5	1225.1	1187.5	1181.3	1143.7	1140.5
20044.1	50°	17528.0	12875.0	2961.0	1516.5	1375.5	1168.7	1109.2	1071.6	1005.8	974.5
21143.9	52.5°	17788.1	12182.5	2419.0	1413.1	1262.7	1093.5	1008.9	949.4	867.9	839.7
21776.9	55°	17443.4	10825.8	1933.3	1287.8	1106.1	993.3	899.3	820.9	755.1	720.7
21845.8	57.5°	16600.6	9099.3	1529.1	1140.5	940.0	880.5	786.5	708.1	651.7	617.3
21081.3	60°	15203.1	7225.5	1209.5	965.1	802.1	758.3	661.1	611.0	560.9	520.1
19107.2	62.5°	13081.8	5157.5	949.4	764.5	670.5	620.4	564.0	526.4	466.9	410.5
15557.1	65°	10208.5	3155.3	733.2	560.9	538.9	513.9	479.4	444.9	372.9	316.5
10149.0	67.5°	6439.1	1494.6	523.3	423.0	426.1	413.6	397.9	369.7	316.5	266.3
4546.5	70°	2835.7	723.8	344.7	322.7	316.5	316.5	329.0	319.6	269.5	222.5
1579.2	72.5°	965.1	388.5	256.9	244.4	228.7	225.6	275.7	266.3	216.2	172.3
786.5	75°	504.5	260.1	188.0	175.5	137.9	166.1	219.3	206.8	153.5	112.8
520.1	77.5°	329.0	184.9	128.5	112.8	78.3	109.7	162.9	144.1	90.9	56.4
341.5	80°	206.8	122.2	75.2	53.3	37.6	59.5	87.7	62.7	34.5	12.5
200.5	82.5°	109.7	62.7	28.2	18.8	15.7	18.8	21.9	15.7	6.3	0.0
103.4	85°	43.9	21.9	9.4	6.3	3.1	0.0	6.3	3.1	0.0	0.0
18.8	87.5°	15.7	3.1	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°
6197.8
5790.5
4847.3
3612.8
2437.8
1974.0
1923.9
1895.7
1851.8
1808.0
1779.8
1757.8
1735.9
1713.9
1698.3
1679.5
1619.9
1488.3
1316.0
1137.4
977.6
836.6
720.7
611.0
510.7
401.1
307.1
260.1
213.1
162.9
103.4
50.1
9.4
0.0
0.0
0.0
0.0

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