

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: P853129

Luminaire Tested: **GLAN-SB8D-930-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853129  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8D-930-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 54868 lumens  
Efficiency: N/A  
Efficacy: 93.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

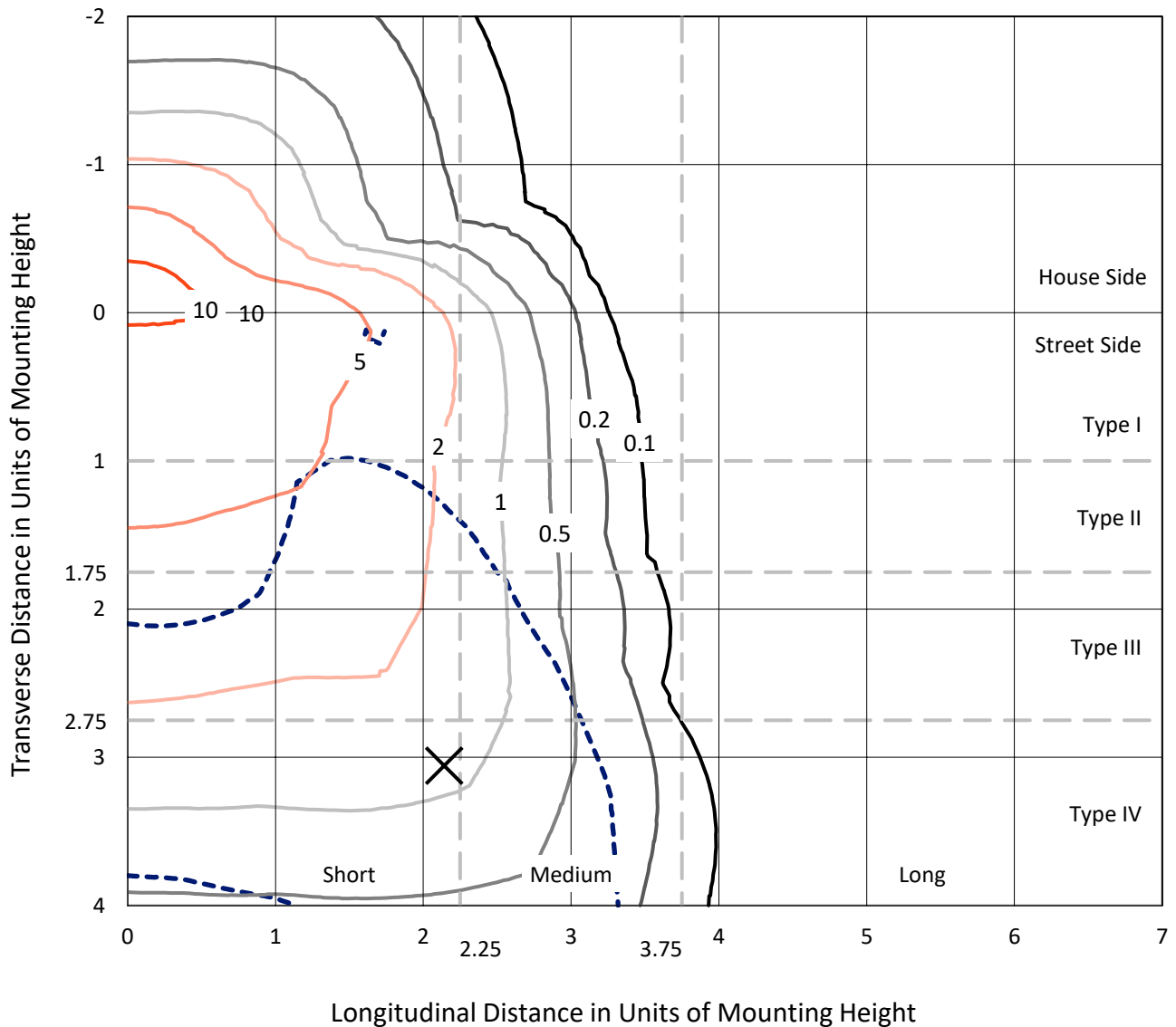
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

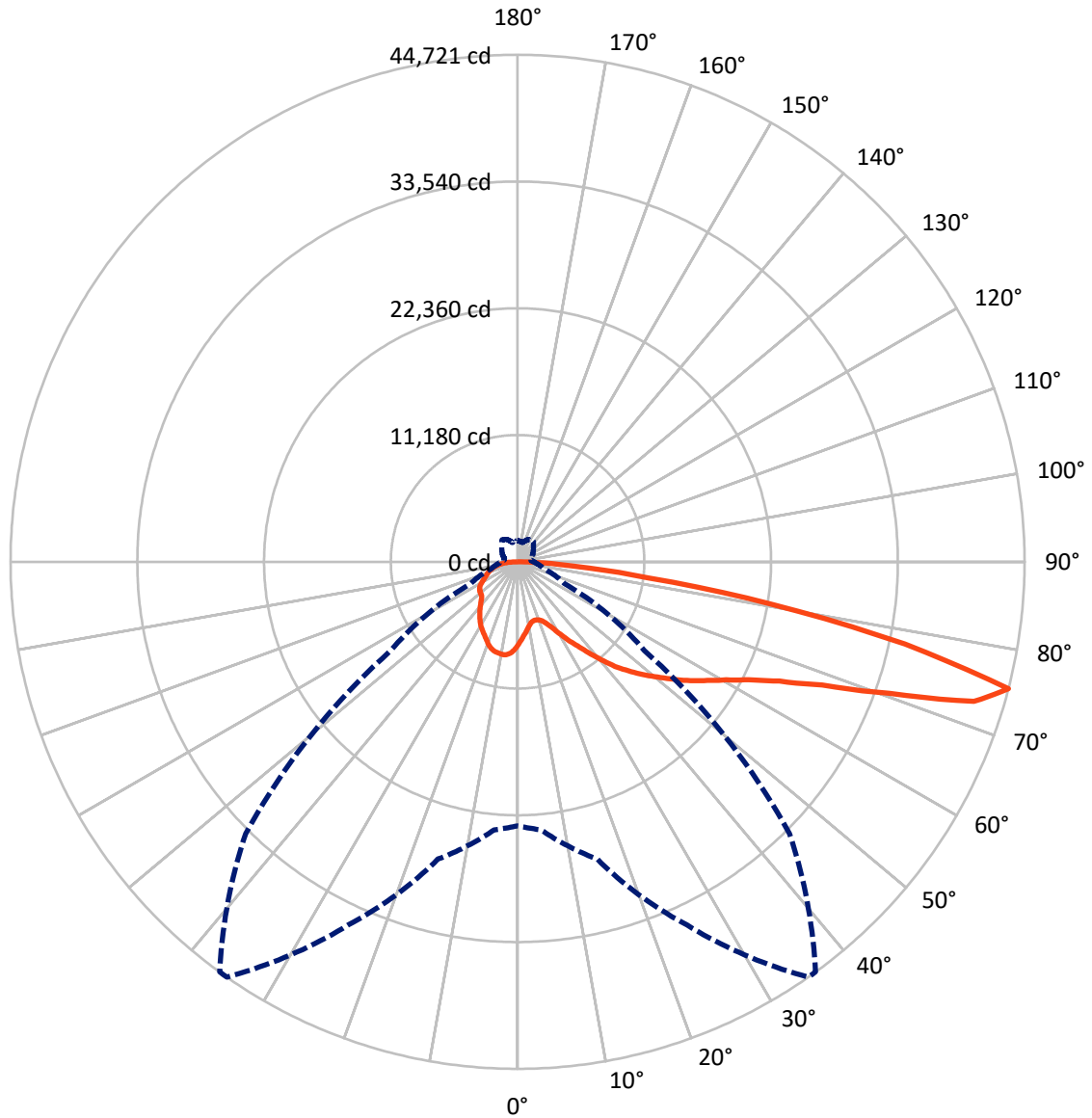
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	13057.2	0.0	13057.2
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	41810.8	0.0	41810.8
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	54868.0	0.0	54868.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	692.3	1.3
10°-20°	1996.8	3.6
20°-30°	3353.1	6.1
30°-40°	5211.2	9.5
40°-50°	7734.8	14.1
50°-60°	10678.3	19.5
60°-70°	12955.2	23.6
70°-80°	10706.5	19.5
80°-90°	1539.9	2.8
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°	54868.0	100.0
0°-180°	54868.0	100.0

**Coefficient of Utilization**

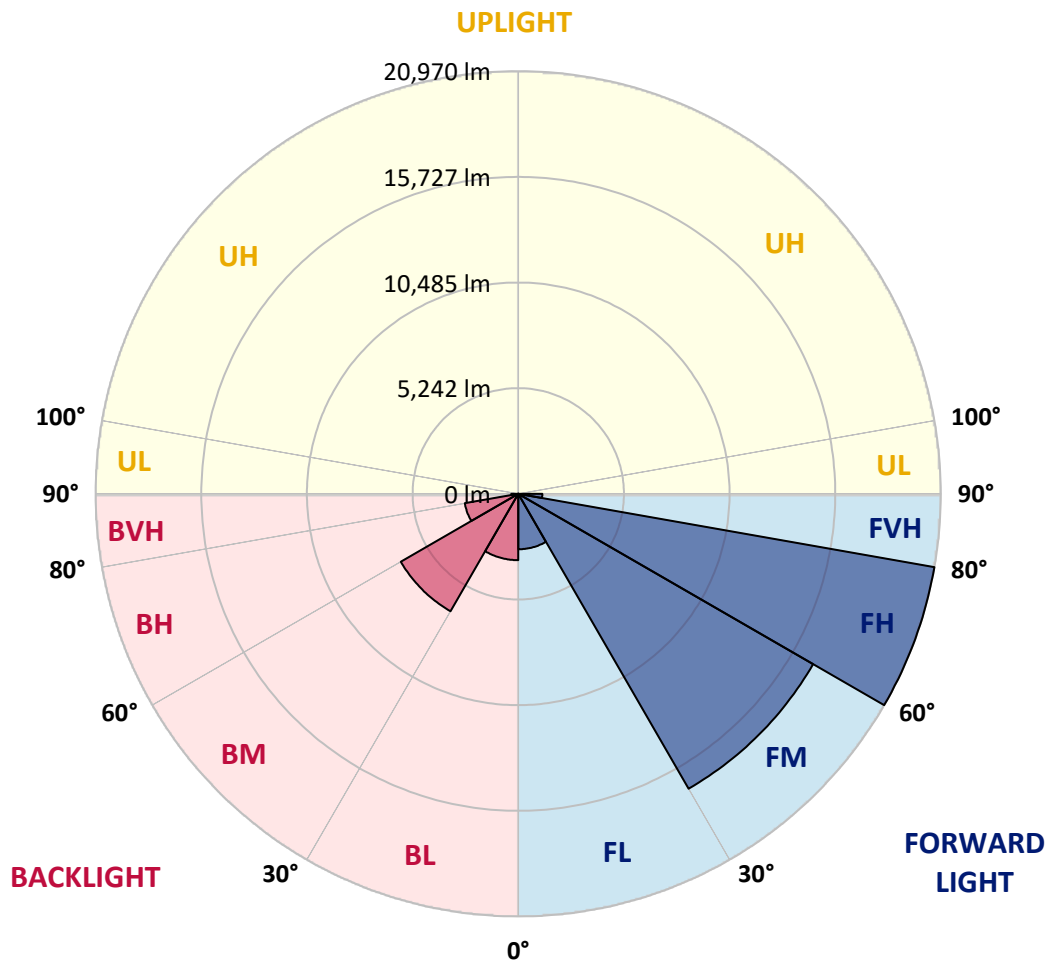


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2751.5	5.0			
FM (30°-60°)	16896.4	30.8			
FH (60°-80°)	20969.7	38.2			G5
FVH (80°-90°)	1193.2	2.2			G5
BL (0°-30°)	3290.6	6.0	B4/5000		
BM (30°-60°)	6727.9	12.3	B4/8500		
BH (60°-80°)	2692.0	4.9	B4/5000		G4/5000
BVH (80°-90°)	346.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	7311.5	7311.5	7311.5	7311.5	7311.5	7311.5	7311.5	7311.5	7311.5	7311.5
2.5°	6742.0	6783.6	6801.4	6792.5	6836.9	6831.0	6893.3	6970.4	7077.2	7181.0
5°	6223.0	6267.5	6306.0	6341.6	6427.6	6454.3	6552.2	6700.5	6896.3	7095.0
7.5°	5739.5	5778.0	5837.4	5902.6	6048.0	6074.7	6237.8	6469.1	6742.0	7032.7
10°	5345.0	5383.5	5445.8	5520.0	5700.9	5733.5	5941.2	6249.7	6605.6	6973.4
12.5°	5175.9	5187.8	5223.4	5297.5	5454.7	5475.5	5703.9	6056.9	6472.1	6928.9
15°	5167.0	5190.7	5193.7	5232.3	5362.8	5371.7	5582.3	5932.3	6389.1	6920.0
17.5°	5256.0	5273.8	5247.1	5270.8	5380.6	5395.4	5561.5	5873.0	6362.4	6958.6
20°	5493.3	5508.1	5428.0	5395.4	5475.5	5487.4	5650.5	5911.5	6389.1	7038.6
22.5°	5997.5	6006.4	5810.7	5677.2	5683.1	5689.1	5831.4	6068.7	6492.9	7184.0
25°	6783.6	6777.6	6466.2	6208.1	6059.8	6027.2	6122.1	6323.8	6667.9	7376.8
27.5°	7703.1	7658.6	7347.1	6961.5	6638.2	6590.8	6570.0	6656.0	6917.0	7631.9
30°	8741.2	8699.7	8364.5	7860.3	7412.4	7335.3	7139.5	7095.0	7287.8	7978.9
32.5°	9880.2	9853.5	9453.1	8842.1	8242.9	8153.9	7824.7	7706.0	7857.3	8503.9
35°	10835.3	10811.6	10479.4	9850.5	9117.9	9008.2	8673.0	8539.5	8616.6	9177.2
37.5°	11698.5	11686.6	11401.8	10906.5	10150.1	10016.7	9640.0	9595.5	9580.6	10064.1
40°	12499.3	12469.6	12173.0	11912.0	11351.4	11229.8	10897.6	10859.0	10746.3	11155.6
42.5°	13386.2	13309.1	12879.0	12757.4	12606.1	12505.2	12306.5	12312.4	12063.3	12386.6
45°	14109.9	14065.4	13623.5	13552.3	13715.4	13673.9	13845.9	13890.4	13406.9	13676.9
47.5°	14887.1	14845.5	14471.8	14421.4	14863.3	14875.2	15483.2	15498.1	14718.0	15017.6
50°	15845.1	15785.8	15415.0	15477.3	15972.7	16017.1	17129.5	17028.6	15925.2	16379.0
52.5°	16476.9	16512.5	16432.4	16533.3	17209.5	17251.1	18749.0	18490.9	17120.6	17722.7
55°	16942.6	17013.8	17262.9	17494.3	18514.6	18556.2	20276.5	19882.0	18111.2	18968.5
57.5°	17541.7	17440.9	17906.6	18357.4	19754.5	19864.2	21762.6	21222.7	18989.2	20042.2
60°	18401.9	18330.7	18692.6	19360.0	21142.6	21317.6	23334.6	22429.9	19632.9	20893.5
62.5°	20146.0	19968.0	20024.4	20614.7	22892.7	23124.0	25108.4	23482.9	19953.2	21225.7
65°	22753.3	22447.7	22163.0	22572.3	25357.5	25585.9	27110.5	24310.5	19834.6	20582.0
67.5°	26036.8	25734.2	25384.2	25769.8	28988.1	29169.0	29581.3	24776.2	18900.2	18102.3
70°	28744.9	28632.1	29050.4	30637.2	34786.9	34792.8	32749.1	24390.6	16340.5	12834.5
72.5°	28385.9	28317.7	30521.6	35427.6	42095.4	41938.2	35747.9	21471.9	11007.3	5789.9
75°	23287.2	23729.1	27143.1	35341.5	44720.5	44699.7	33911.9	13650.2	4553.0	2399.6
77.5°	12487.4	13187.5	17621.8	26093.1	34911.5	35436.5	23841.8	4775.5	1954.7	1536.5
80°	4072.5	4683.5	7023.8	13285.3	22685.0	22587.1	10218.3	1874.6	1337.7	1088.6
82.5°	1729.3	1800.4	3138.2	6273.4	11642.1	11461.2	3253.9	1076.7	940.3	744.5
85°	676.3	756.4	1385.2	2900.9	5042.4	4932.7	1174.6	533.9	602.1	486.4
87.5°	222.5	269.9	495.3	993.7	1569.1	1512.7	287.7	183.9	261.0	222.5
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°
7311.5	0°	7311.5	7311.5	7311.5	7311.5	7311.5	7311.5	7311.5	7311.5	7311.5	7311.5
7332.3	2.5°	7373.8	7421.3	7477.6	7560.7	7631.9	7691.2	7753.5	7792.0	7806.9	7851.4
7344.2	5°	7427.2	7531.0	7670.4	7806.9	7940.4	8020.4	8091.6	8127.2	8159.8	8183.6
7376.8	7.5°	7516.2	7649.7	7869.2	8047.1	8159.8	8225.1	8272.6	8260.7	8272.6	8278.5
7412.4	10°	7593.3	7780.2	8041.2	8210.3	8296.3	8299.3	8287.4	8245.9	8225.1	8228.1
7465.8	12.5°	7685.3	7892.9	8174.7	8317.1	8340.8	8275.5	8225.1	8153.9	8127.2	8115.4
7545.9	15°	7809.8	8047.1	8320.0	8373.4	8314.1	8231.0	8145.0	8029.3	7970.0	7922.6
7682.3	17.5°	7961.1	8222.1	8432.7	8394.2	8266.6	8130.2	7990.8	7815.8	7694.2	7643.7
7869.2	20°	8171.7	8406.0	8518.8	8349.7	8156.9	7949.3	7712.0	7498.4	7385.7	7335.3
8106.5	22.5°	8426.8	8652.2	8601.8	8272.6	7999.7	7667.5	7370.9	7213.6	7157.3	7121.7
8412.0	25°	8732.3	8925.1	8661.1	8159.8	7741.6	7293.7	7065.3	7014.9	6988.2	6961.5
8785.7	27.5°	9129.8	9233.6	8705.6	7993.7	7338.2	6896.3	6813.2	6822.1	6813.2	6768.7
9304.8	30°	9654.8	9634.0	8747.1	7723.8	6875.5	6537.4	6543.3	6581.9	6587.8	6558.1
10028.5	32.5°	10345.9	10135.3	8767.9	7373.8	6433.6	6223.0	6228.9	6270.4	6300.1	6249.7
10974.7	35°	11182.3	10719.6	8735.3	6934.8	6092.4	5923.4	5878.9	5890.8	5899.7	5852.2
12122.6	37.5°	12158.2	11375.1	8589.9	6448.4	5810.7	5629.7	5534.8	5454.7	5407.3	5362.8
13421.8	40°	13229.0	12090.0	8323.0	5973.8	5496.3	5318.3	5175.9	5024.6	4864.5	4805.1
14798.1	42.5°	14350.2	12825.6	7999.7	5520.0	5134.4	4989.0	4837.8	4618.3	4378.0	4256.4
16227.7	45°	15512.9	13579.0	7682.3	5072.1	4763.6	4701.3	4526.3	4262.3	4001.3	3847.1
17660.4	47.5°	16651.9	14290.9	7216.6	4621.2	4416.6	4484.8	4348.4	4105.1	3814.5	3571.2
19081.2	50°	17740.5	14958.2	6454.3	4164.5	4134.8	4419.5	4289.0	3939.0	3606.8	3295.4
20475.3	52.5°	18820.2	15498.1	5478.5	3749.2	3983.5	4401.7	4211.9	3826.3	3420.0	3093.7
21786.3	55°	19736.7	15776.9	4538.2	3393.3	3764.0	4250.5	4120.0	3692.8	3156.0	2808.9
22685.0	57.5°	20258.7	15551.5	3755.1	3043.3	3461.5	4001.3	3962.8	3408.1	2841.6	2574.6
22860.0	60°	20033.3	14637.9	3114.4	2737.7	3173.8	3731.4	3689.9	3126.3	2601.3	2349.2
21922.7	62.5°	18790.5	12896.8	2607.2	2470.8	2912.7	3455.6	3417.0	2909.8	2417.4	2174.2
19434.1	65°	16287.1	10491.2	2212.7	2248.3	2648.8	3123.3	3179.7	2728.8	2272.1	2034.8
15035.4	67.5°	12422.2	7599.2	1904.3	2055.5	2390.7	2797.1	2960.2	2598.3	2150.5	1925.0
8699.7	70°	7080.2	4315.7	1643.2	1868.7	2162.3	2494.5	2791.1	2494.5	2019.9	1833.1
3259.8	72.5°	2684.4	1981.4	1420.8	1681.8	1942.8	2239.4	2604.3	2331.4	1868.7	1729.3
1684.8	75°	1432.6	1207.2	1195.4	1462.3	1690.7	1990.3	2369.9	2171.2	1756.0	1827.1
1165.7	77.5°	975.9	854.2	999.6	1251.7	1414.8	1714.4	2120.8	1928.0	1521.6	1515.7
806.8	80°	676.3	605.1	812.7	1008.5	1094.5	1441.5	1850.9	1655.1	1239.8	1156.8
498.3	82.5°	406.4	394.5	608.1	753.4	774.2	1112.3	1533.5	1388.2	1014.4	883.9
296.6	85°	222.5	234.3	388.6	442.0	450.9	777.1	1201.3	1073.7	780.1	655.5
106.8	87.5°	62.3	80.1	142.4	175.0	216.5	403.4	714.8	637.7	391.5	272.9
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°
7311.5
7848.4
8189.5
8287.4
8234.0
8109.4
7937.4
7646.7
7329.3
7127.6
6961.5
6777.6
6573.0
6273.4
5884.8
5392.4
4831.8
4271.2
3835.2
3544.5
3268.7
3058.1
2779.3
2539.0
2313.6
2135.6
1996.2
1889.4
1809.3
1705.5
1886.5
1397.1
1106.4
889.8
661.4
272.9
0.0

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