

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: P850897

Luminaire Tested: **GLAN-SB8C-840-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850897  
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-SB8C-840-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

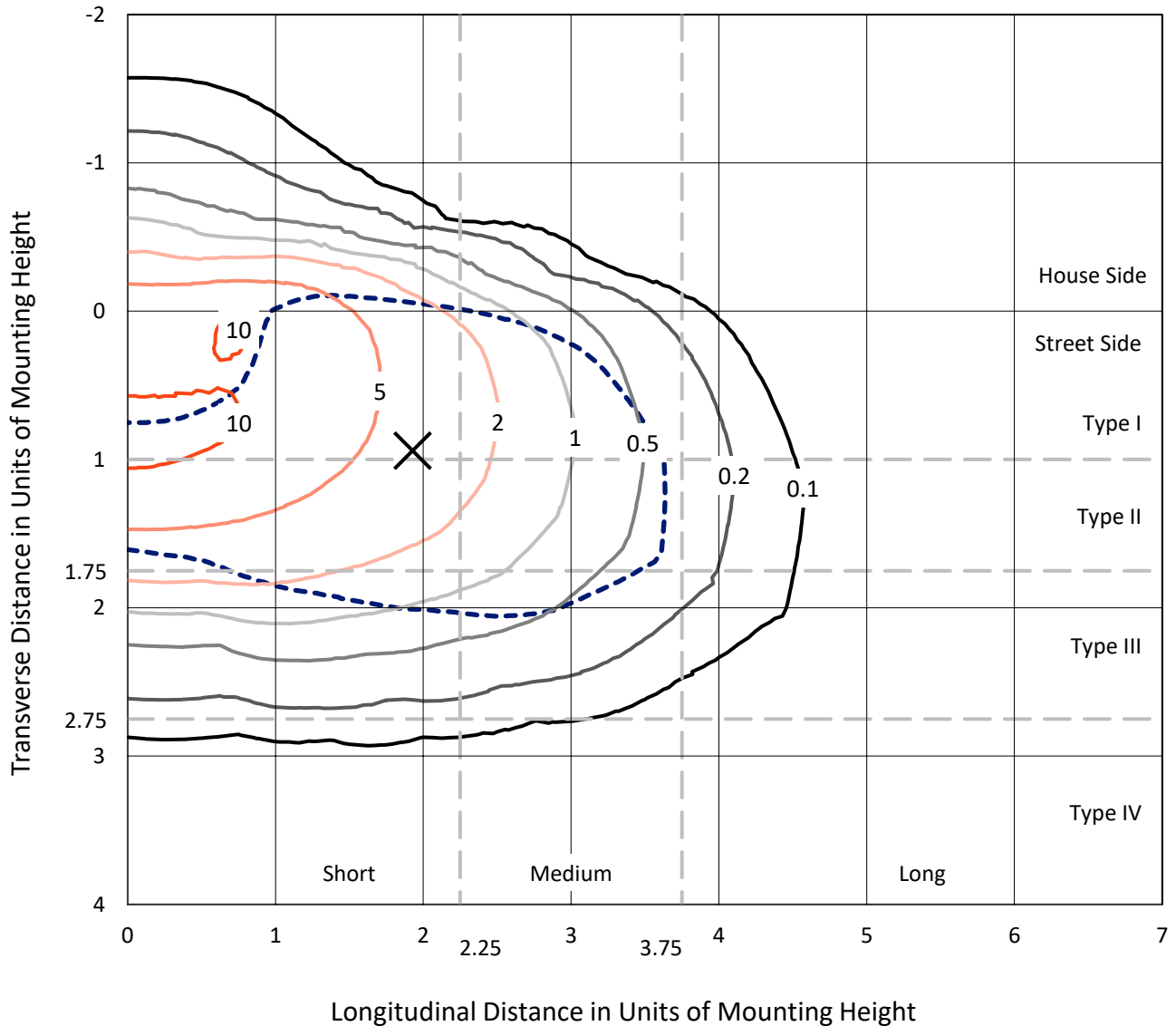
Lumens per Lamp: N/A  
Luminaire Lumens: 42237 lumens  
Efficiency: N/A  
Efficacy: 105.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): 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

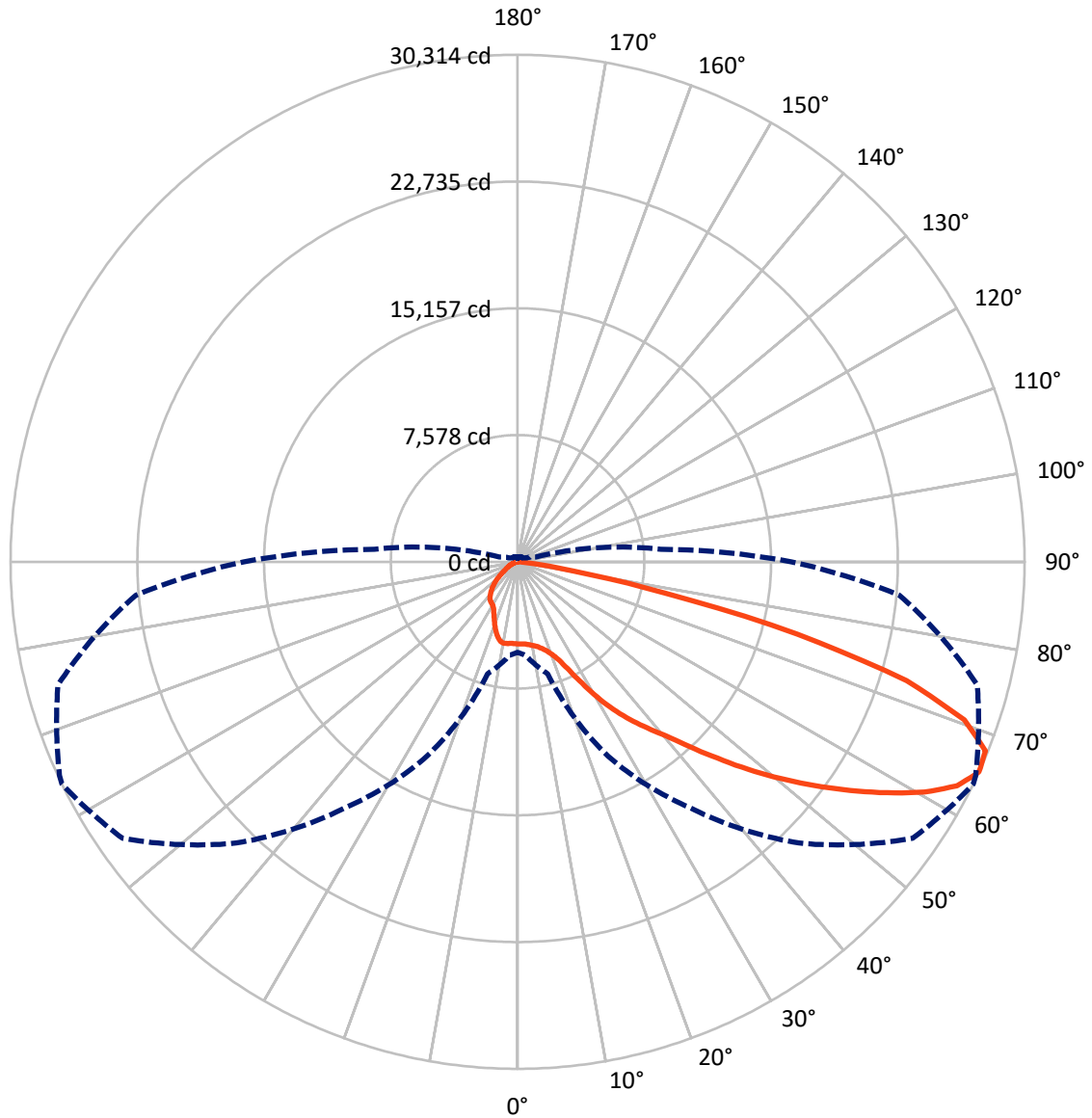
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 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
<b>House Side</b>	Lumens	5648.4	0.0	5648.4
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	36588.6	0.0	36588.6
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	42237.0	0.0	42237.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.2	1.1
10°-20°	1229.3	2.9
20°-30°	2329.4	5.5
30°-40°	4713.7	11.2
40°-50°	8029.8	19.0
50°-60°	10919.9	25.9
60°-70°	10254.3	24.3
70°-80°	4108.3	9.7
80°-90°	199.0	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°	42237.0	100.0
0°-180°	42237.0	100.0

**Coefficient of Utilization**



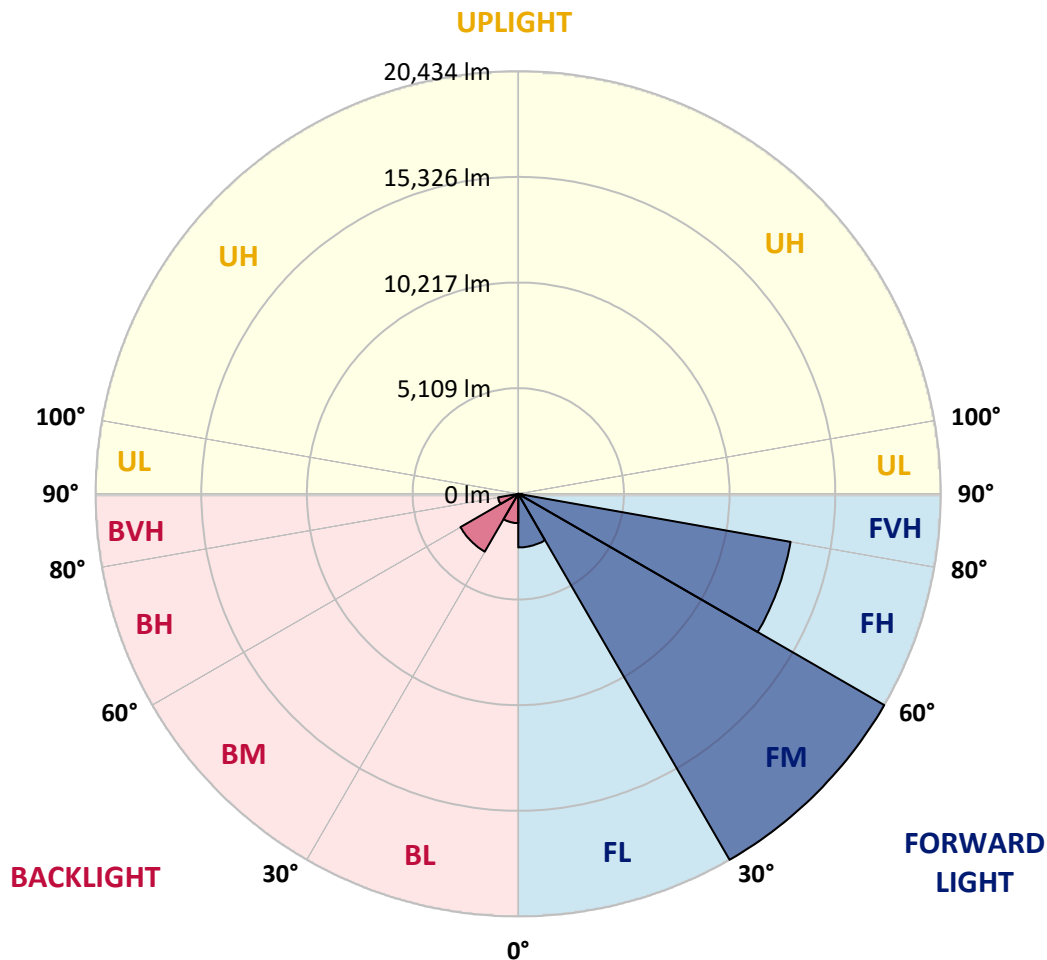
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2593.8	6.1			
FM (30°-60°)	20434.2	48.4			
FH (60°-80°)	13371.3	31.7			G5
FVH (80°-90°)	189.3	0.4			G2/225
BL (0°-30°)	1418.1	3.4	B3/2500		
BM (30°-60°)	3229.1	7.6	B3/5000		
BH (60°-80°)	991.4	2.3	B2/1000		G2/1000
BVH (80°-90°)	9.7	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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	4912.6	4912.6	4912.6	4912.6	4912.6	4912.6	4912.6	4912.6	4912.6	4912.6
2.5°	4895.6	4929.6	4921.1	4912.6	4909.8	4915.4	4918.3	4915.4	4915.4	4915.4
5°	4802.2	4830.5	4830.5	4850.3	4878.6	4912.6	4938.1	4943.7	4949.4	4957.9
7.5°	4623.8	4646.4	4663.4	4728.6	4799.3	4889.9	4966.4	5006.0	5011.7	5042.8
10°	4502.0	4530.4	4558.7	4626.6	4728.6	4864.5	4994.7	5091.0	5105.1	5178.8
12.5°	4496.4	4524.7	4561.5	4635.1	4754.0	4898.4	5057.0	5195.7	5221.2	5328.8
15°	4555.8	4589.8	4623.8	4714.4	4841.8	5017.4	5187.3	5360.0	5385.5	5538.4
17.5°	4677.6	4722.9	4748.4	4839.0	4974.9	5170.3	5394.0	5592.2	5614.8	5793.2
20°	4918.3	4972.1	4980.6	5054.2	5187.3	5396.8	5662.9	5909.3	5937.6	6141.5
22.5°	5416.6	5493.1	5425.1	5461.9	5580.8	5790.4	6079.2	6390.6	6430.3	6662.5
25°	6294.4	6402.0	6226.4	6164.1	6215.1	6433.1	6795.5	7189.1	7234.4	7421.3
27.5°	8018.7	7880.0	7613.8	7353.3	7200.4	7325.0	7732.7	8219.8	8276.4	8457.6
30°	9913.0	9791.2	9431.6	8854.0	8491.6	8471.8	8848.3	9392.0	9457.1	9629.8
32.5°	11810.1	11694.0	11303.2	10592.5	9963.9	9652.5	9913.0	10516.1	10550.1	10660.5
35°	13676.0	13557.1	13166.3	12438.7	11665.7	10957.8	10906.8	11586.4	11597.7	11713.8
37.5°	15553.3	15454.2	15037.9	14324.4	13562.7	12585.9	12113.0	12600.0	12614.2	12727.5
40°	16892.6	16935.0	16649.0	16096.9	15442.8	14375.4	13466.5	13678.8	13593.9	13783.6
42.5°	18042.1	18127.1	17877.9	17600.4	17221.0	16281.0	15142.7	15105.9	14970.0	15071.9
45°	19036.0	19106.8	18883.1	18818.0	18809.5	18149.7	16974.7	16753.8	16564.1	16544.3
47.5°	19401.2	19537.1	19633.4	19851.4	20276.2	19998.7	18868.9	18526.3	18314.0	18158.2
50°	19540.0	19684.4	20012.8	20647.1	21652.3	21771.2	20754.7	20369.6	20109.1	19826.0
52.5°	19353.1	19610.8	20052.5	21119.9	22578.1	23192.6	22564.0	22227.0	21929.7	21468.2
55°	18251.7	18509.3	19412.6	21114.3	23039.7	24189.3	24274.2	24124.1	23790.0	23062.3
57.5°	15929.9	16312.1	17742.0	20395.1	23031.2	25047.2	25950.4	26058.0	25684.3	24642.3
60°	12713.3	13231.5	14975.6	18801.0	22320.5	25511.6	27420.0	27957.9	27561.5	26199.6
62.5°	8871.0	9471.3	11122.0	16303.6	20695.2	25177.4	28493.1	29486.9	29186.8	27592.7
65°	5410.9	5603.5	6934.3	12829.4	17931.7	23778.7	28824.4	30313.7	30214.6	28445.0
67.5°	3604.5	3765.9	4148.1	8797.4	13919.5	20984.0	28031.6	30169.3	30197.6	28306.2
70°	2171.7	2310.5	2559.6	5116.5	9021.1	16609.4	25576.7	28328.9	28493.1	26451.6
72.5°	894.7	988.2	1214.7	2319.0	4671.9	10541.6	20366.8	24322.3	24704.6	22241.2
75°	506.8	555.0	713.5	1163.7	2027.3	4912.6	12336.7	17266.3	17829.8	15329.6
77.5°	336.9	359.6	461.5	753.2	1141.1	1676.2	5272.2	8995.6	10071.5	8372.7
80°	226.5	246.3	317.1	504.0	741.8	719.2	1679.1	3332.6	4100.0	2876.8
82.5°	152.9	155.7	226.5	331.3	470.0	348.3	495.5	1036.3	1302.5	832.5
85°	87.8	84.9	167.1	192.5	209.5	144.4	150.1	311.5	407.7	351.1
87.5°	11.3	17.0	65.1	51.0	28.3	31.1	31.1	53.8	79.3	84.9
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°
4912.6	0°	4912.6	4912.6	4912.6	4912.6	4912.6	4912.6	4912.6	4912.6	4912.6	4912.6
4918.3	2.5°	4918.3	4915.4	4906.9	4898.4	4878.6	4867.3	4873.0	4867.3	4864.5	4867.3
4955.1	5°	4955.1	4946.6	4923.9	4895.6	4856.0	4807.8	4776.7	4731.4	4688.9	4663.4
5054.2	7.5°	5054.2	5045.7	5014.5	4935.3	4807.8	4606.8	4422.8	4261.4	4139.6	4068.8
5212.7	10°	5212.7	5198.6	5150.4	4974.9	4640.8	4201.9	3836.6	3533.7	3335.5	3242.0
5399.6	12.5°	5399.6	5382.6	5297.7	4938.1	4323.7	3638.4	3134.4	2797.5	2613.4	2531.3
5614.8	15°	5620.5	5597.8	5430.8	4762.5	3862.1	3015.5	2554.0	2302.0	2183.1	2109.4
5889.5	17.5°	5895.1	5855.5	5529.9	4499.2	3361.0	2539.8	2197.2	2007.5	1902.7	1832.0
6249.1	20°	6251.9	6186.8	5609.1	4184.9	2899.4	2239.7	1956.5	1798.0	1718.7	1656.4
6758.7	22.5°	6750.2	6656.8	5705.4	3845.1	2573.8	2033.0	1778.2	1662.1	1596.9	1526.2
7469.4	25°	7367.5	7257.1	5824.3	3530.8	2350.1	1854.6	1647.9	1551.6	1475.2	1393.1
8401.0	27.5°	8231.1	8032.9	5965.9	3273.2	2157.6	1701.7	1529.0	1421.4	1333.6	1265.7
9457.1	30°	9193.8	8868.2	6090.5	3117.4	1982.0	1560.1	1373.3	1265.7	1183.6	1135.4
10405.7	32.5°	10105.5	9663.8	6172.6	3049.5	1823.5	1398.7	1203.4	1087.3	1025.0	1010.8
11334.4	35°	10966.3	10383.0	6164.1	2984.4	1681.9	1237.4	1036.3	917.4	869.3	877.8
12333.9	37.5°	11957.3	11150.3	6104.7	2882.4	1565.8	1090.1	891.9	787.1	744.7	747.5
13548.6	40°	13109.7	12036.6	6067.8	2689.9	1438.4	954.2	773.0	688.0	656.9	645.6
14828.4	42.5°	14338.6	12894.5	6073.5	2471.9	1279.8	832.5	690.9	620.1	591.8	583.3
16252.6	45°	15573.1	13712.8	6082.0	2245.4	1112.8	739.0	631.4	572.0	555.0	543.6
17696.7	47.5°	16734.0	14409.4	5923.4	2001.8	948.5	668.2	583.3	543.6	529.5	515.3
19146.4	50°	17815.6	14873.7	5541.2	1718.7	818.3	611.6	546.5	518.2	504.0	489.8
20460.2	52.5°	18656.6	14947.3	4909.8	1427.1	727.7	569.1	523.8	498.3	481.4	467.2
21522.0	55°	19030.3	14485.8	4012.2	1155.2	656.9	532.3	501.2	475.7	455.9	441.7
22357.3	57.5°	18934.0	13514.6	3128.8	928.7	588.9	495.5	472.9	455.9	433.2	410.6
23034.0	60°	18461.2	12215.0	2358.6	773.0	526.7	455.9	441.7	427.6	396.4	362.4
23294.5	62.5°	17642.9	10581.2	1681.9	639.9	458.7	410.6	404.9	393.6	348.3	286.0
22909.4	65°	16391.4	8596.3	1132.6	532.3	393.6	359.6	362.4	342.6	283.1	212.4
21499.4	67.5°	14562.3	6285.9	724.9	436.0	328.5	300.1	303.0	291.6	240.7	181.2
18826.4	70°	12232.0	4162.3	472.9	331.3	263.3	232.2	249.2	252.0	203.9	147.2
14449.0	72.5°	8967.3	2457.7	331.3	246.3	192.5	161.4	203.9	209.5	164.2	110.4
8692.6	75°	5110.8	1166.6	249.2	178.4	118.9	113.3	158.6	158.6	113.3	73.6
3763.0	77.5°	2146.3	487.0	175.6	116.1	68.0	65.1	107.6	99.1	56.6	34.0
917.4	80°	620.1	218.0	93.4	56.6	28.3	25.5	42.5	31.1	14.2	5.7
348.3	82.5°	243.5	96.3	36.8	22.7	11.3	11.3	5.7	0.0	0.0	0.0
198.2	85°	144.4	39.6	17.0	8.5	2.8	0.0	0.0	0.0	0.0	0.0
42.5	87.5°	36.8	8.5	5.7	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°
4912.6
4878.6
4669.1
4071.7
3233.5
2522.8
2112.3
1826.3
1645.1
1514.8
1384.6
1251.5
1126.9
1019.3
877.8
758.8
642.7
580.5
543.6
515.3
489.8
464.4
438.9
407.7
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