

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: P853126

Luminaire Tested: **GLAN-SB8D-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853126  
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-SB8D-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

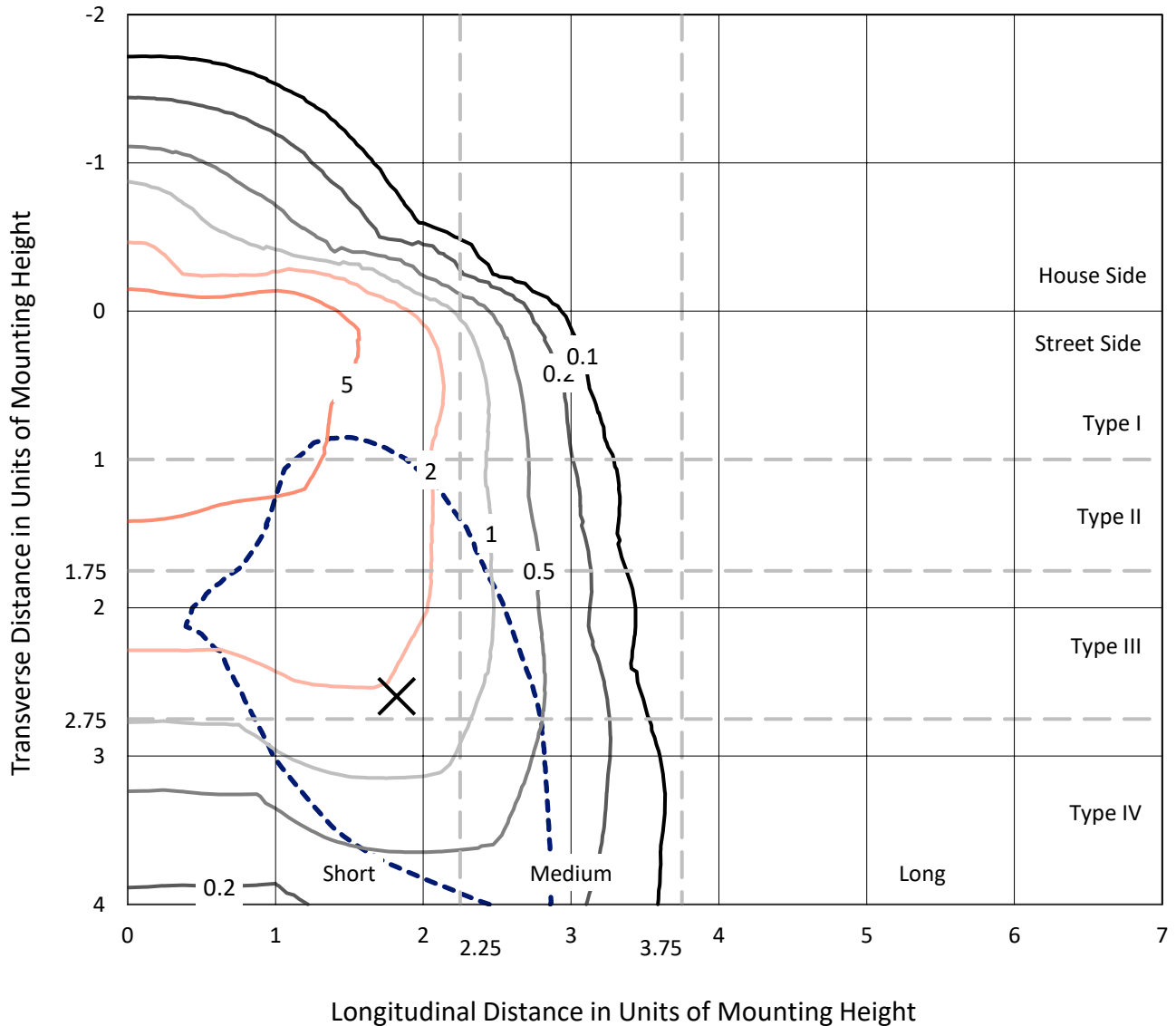
Lumens per Lamp: N/A  
Luminaire Lumens: 40121 lumens  
Efficiency: N/A  
Efficacy: 68.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

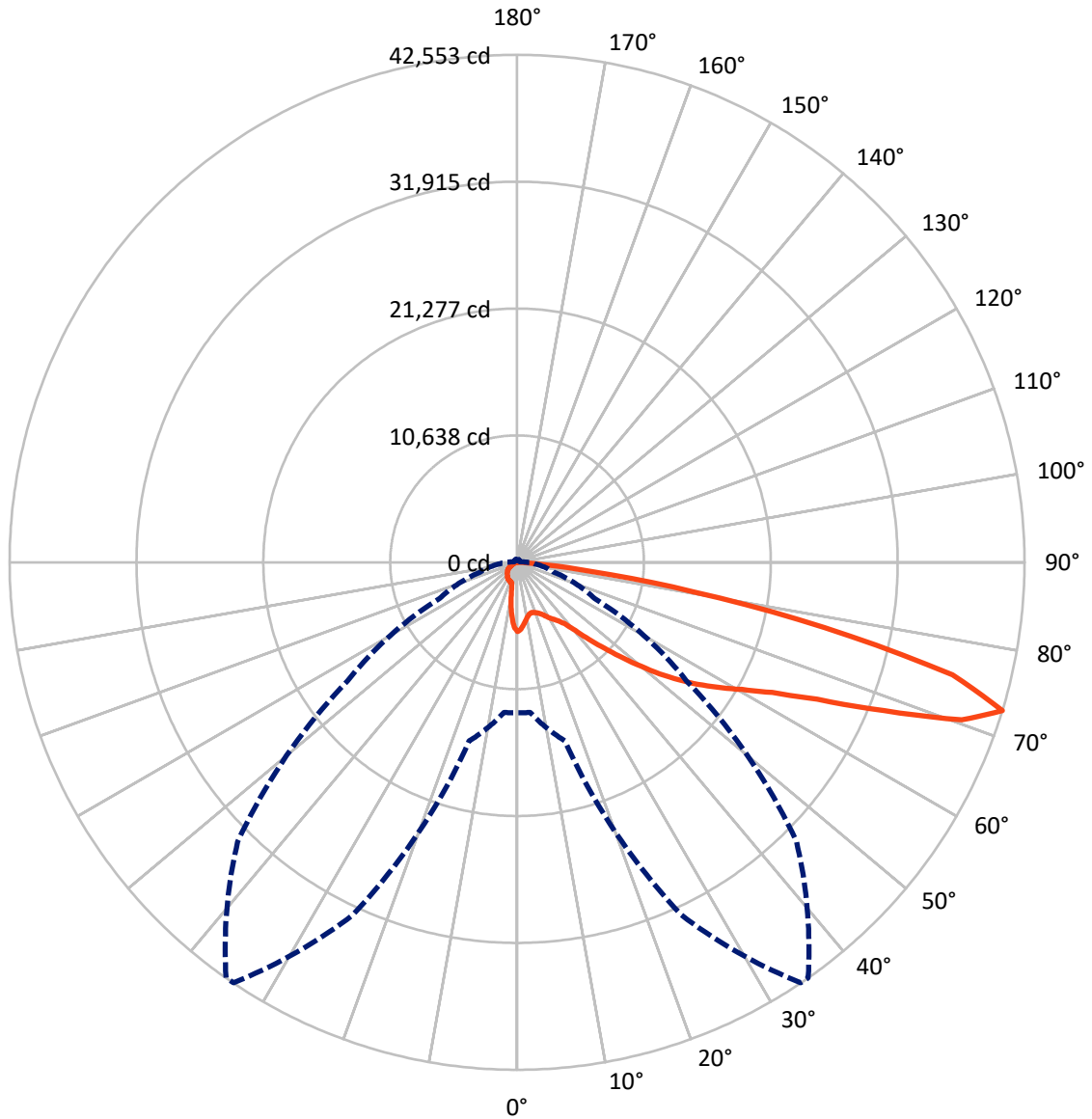
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	4515.4	0.0	4515.4
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	35605.6	0.0	35605.6
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	40121.0	0.0	40121.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	477.8	1.2
10°-20°	1117.8	2.8
20°-30°	1815.9	4.5
30°-40°	3029.8	7.6
40°-50°	5732.4	14.3
50°-60°	9108.7	22.7
60°-70°	11268.2	28.1
70°-80°	7004.4	17.5
80°-90°	566.1	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°	40121.0	100.0
0°-180°	40121.0	100.0

**Coefficient of Utilization**



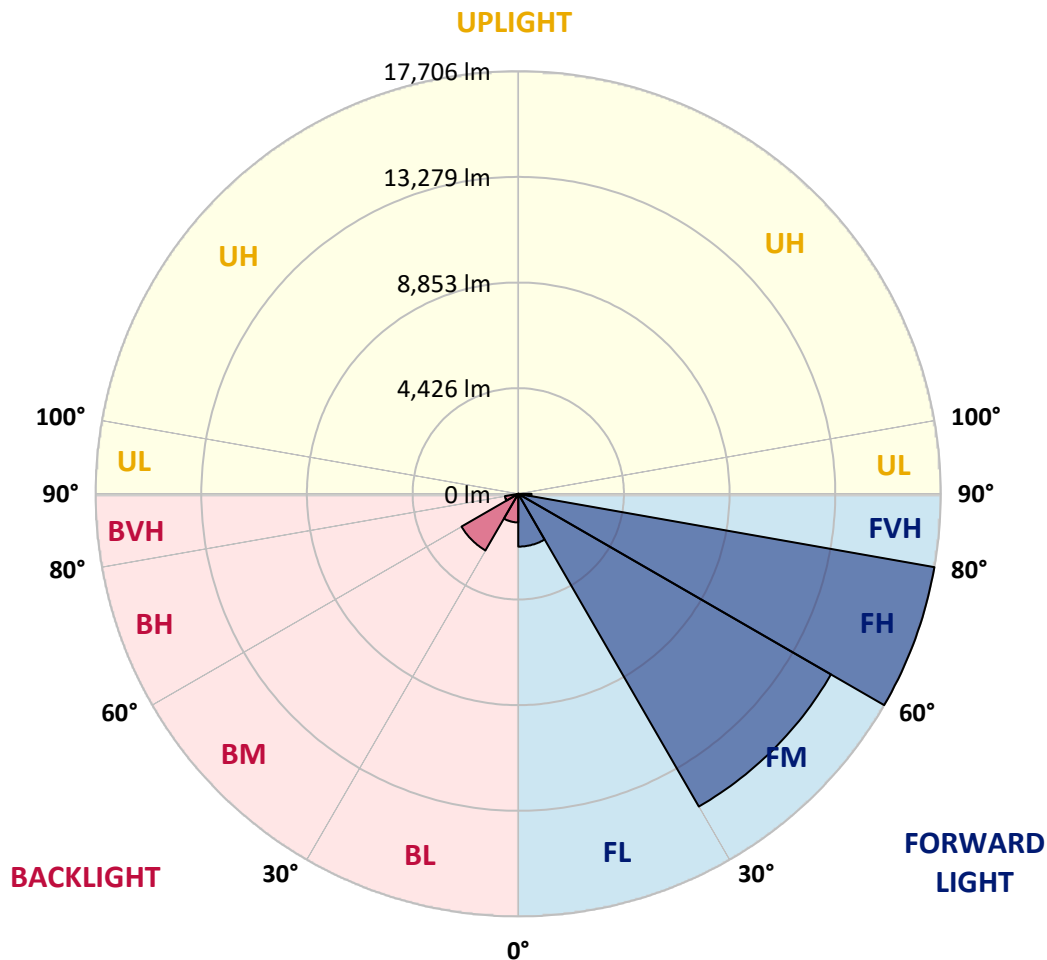
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2211.7	5.5			
FM	(30°-60°)	15129.6	37.7			
FH	(60°-80°)	17705.9	44.1			G5
FVH	(80°-90°)	558.4	1.4			G4/750
BL	(0°-30°)	1199.8	3.0	B3/2500		
BM	(30°-60°)	2741.3	6.8	B3/5000		
BH	(60°-80°)	566.6	1.4	B2/1000		G2/1000
BVH	(80°-90°)	7.7	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	5814.9	5814.9	5814.9	5814.9	5814.9	5814.9	5814.9	5814.9	5814.9	5814.9
2.5°	5556.2	5603.2	5612.0	5626.7	5626.7	5644.4	5673.8	5714.9	5782.5	5817.8
5°	5121.1	5156.4	5200.5	5235.7	5303.4	5312.2	5426.8	5538.5	5694.3	5811.9
7.5°	4683.1	4724.2	4783.0	4868.3	4956.5	4982.9	5156.4	5344.5	5591.5	5811.9
10°	4374.4	4377.3	4430.2	4515.5	4656.6	4688.9	4900.6	5168.1	5476.8	5776.7
12.5°	4200.9	4221.5	4245.0	4309.7	4444.9	4465.5	4691.9	5006.4	5362.2	5756.1
15°	4200.9	4215.6	4230.3	4262.7	4371.4	4389.1	4589.0	4903.5	5303.4	5764.9
17.5°	4245.0	4268.6	4256.8	4295.0	4409.7	4421.4	4597.8	4874.1	5300.4	5820.8
20°	4350.9	4368.5	4345.0	4368.5	4483.2	4506.7	4688.9	4930.0	5350.4	5917.8
22.5°	4518.4	4527.3	4471.4	4489.0	4606.6	4636.0	4847.7	5088.8	5470.9	6073.6
25°	4730.1	4747.7	4662.5	4683.1	4794.8	4830.1	5074.1	5326.9	5662.0	6288.2
27.5°	4974.1	4982.9	4909.4	4906.5	5050.5	5100.5	5347.5	5620.9	5917.8	6558.6
30°	5253.4	5279.8	5209.3	5197.5	5379.8	5420.9	5664.9	5982.4	6294.1	6964.3
32.5°	5473.9	5494.4	5453.3	5482.7	5667.9	5700.2	6050.1	6494.0	6885.0	7540.5
35°	5791.4	5803.1	5709.0	5762.0	5973.6	6055.9	6576.3	7211.3	7628.7	8263.7
37.5°	6940.8	6940.8	6541.0	6279.4	6482.2	6555.7	7296.5	8113.8	8545.9	9233.8
40°	8531.2	8504.8	7919.8	7384.7	7358.3	7502.3	8322.5	9251.5	9730.7	10398.0
42.5°	10227.5	10186.3	9389.6	8860.5	8772.3	8822.3	9507.2	10653.8	11141.8	11817.9
45°	11732.6	11720.9	10991.8	10280.4	10121.7	10280.4	10985.9	12294.1	12644.0	13355.4
47.5°	12993.8	12993.8	12461.7	11997.2	11914.9	12009.0	12987.9	14113.9	14081.5	14992.9
50°	14446.1	14434.3	13928.7	13728.8	13814.0	13946.3	15292.7	16030.6	15569.1	16600.9
52.5°	15463.2	15533.8	15360.3	15328.0	15763.1	15992.4	17632.8	17906.2	16900.8	18126.7
55°	16268.7	16351.0	16550.9	16777.3	17615.1	17915.0	19899.3	19684.7	18015.0	19449.6
57.5°	17409.4	17291.8	17600.4	18047.3	19402.5	19764.1	22095.4	21363.4	18911.6	20522.6
60°	18794.0	18811.6	18864.5	19429.0	21187.0	21651.5	24259.0	22950.8	19487.8	21181.1
62.5°	20457.9	20484.4	20593.1	21460.4	23582.9	24020.9	26563.8	24250.2	19752.4	20995.9
65°	20343.3	20455.0	21669.1	24635.3	27225.3	27657.4	29253.7	25161.5	19352.5	19302.6
67.5°	18532.4	18714.6	20746.0	28427.6	32716.8	33198.9	32505.1	25340.9	17626.9	15010.5
70°	16157.0	16221.7	18664.6	31837.8	39075.5	39563.5	35415.5	23368.3	13376.0	8372.5
72.5°	12617.5	12632.2	15498.5	32628.6	42526.8	42553.3	33131.3	17347.6	7193.6	3216.1
75°	9013.4	8925.2	10380.4	26460.9	37414.5	37714.4	24838.2	8137.3	2748.7	1519.9
77.5°	4833.0	4930.0	5873.7	15692.5	25846.5	26358.0	13552.4	2345.9	1399.3	1034.8
80°	1493.4	1575.7	2407.7	7184.8	14640.1	14948.8	5024.1	1043.6	976.0	737.9
82.5°	470.4	488.0	1123.0	3019.2	6076.5	6217.6	1455.2	590.9	667.3	488.0
85°	135.2	138.2	499.8	1125.9	1502.2	1531.6	408.6	229.3	382.2	302.8
87.5°	14.7	47.0	188.1	188.1	132.3	129.4	44.1	50.0	108.8	38.2
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°
5814.9	0°	5814.9	5814.9	5814.9	5814.9	5814.9	5814.9	5814.9	5814.9	5814.9	5814.9
5841.3	2.5°	5826.6	5829.6	5791.4	5726.7	5656.1	5597.3	5523.8	5465.0	5423.9	5412.1
5894.3	5°	5867.8	5847.2	5738.4	5541.5	5306.3	5103.5	4877.1	4697.8	4580.2	4530.2
5950.1	7.5°	5929.5	5870.7	5632.6	5244.6	4794.8	4395.0	3989.3	3674.7	3474.8	3374.9
6003.0	10°	5982.4	5864.9	5456.2	4815.4	4127.4	3521.9	2975.1	2595.8	2384.2	2284.2
6064.8	12.5°	6032.4	5861.9	5226.9	4306.8	3374.9	2634.0	2125.5	1937.3	1878.5	1857.9
6164.7	15°	6126.5	5870.7	4938.8	3724.7	2625.2	1990.2	1805.0	1802.1	1813.8	1808.0
6317.6	17.5°	6255.8	5879.6	4612.5	3107.3	2025.5	1755.0	1746.2	1772.7	1790.3	1781.5
6508.7	20°	6423.4	5914.8	4265.6	2495.9	1740.3	1696.3	1716.8	1740.3	1755.0	1740.3
6764.4	22.5°	6658.6	5976.6	3886.4	2004.9	1649.2	1661.0	1678.6	1705.1	1719.8	1699.2
7090.7	25°	6946.7	6073.6	3513.0	1743.3	1605.1	1619.8	1646.3	1675.7	1693.3	1672.7
7502.3	27.5°	7320.0	6229.4	3169.1	1684.5	1561.0	1569.8	1608.1	1652.2	1675.7	1649.2
8087.3	30°	7861.0	6485.1	2872.2	1710.9	1534.6	1514.0	1566.9	1628.6	1655.1	1631.6
8884.0	32.5°	8578.3	6846.7	2689.9	1752.1	1522.8	1449.3	1499.3	1578.7	1622.8	1608.1
9924.7	35°	9519.0	7396.5	2619.3	1799.1	1514.0	1381.7	1417.0	1502.2	1578.7	1593.4
11235.8	37.5°	10659.6	8160.8	2639.9	1819.7	1487.5	1325.8	1343.5	1417.0	1516.9	1564.0
12711.6	40°	11956.1	9051.6	2757.5	1799.1	1458.1	1278.8	1281.7	1337.6	1425.8	1496.3
14299.1	42.5°	13293.7	10092.3	2975.1	1722.7	1431.7	1237.6	1228.8	1267.0	1325.8	1375.8
15883.6	45°	14566.6	11162.3	3189.7	1616.9	1399.3	1196.5	1175.9	1190.6	1202.4	1222.9
17427.0	47.5°	15677.8	11914.9	3127.9	1519.9	1355.2	1149.5	1114.2	1108.3	1073.0	1070.1
18805.8	50°	16445.1	12079.5	2778.1	1422.9	1290.6	1096.5	1040.7	1005.4	943.7	914.3
19837.6	52.5°	16689.1	11429.9	2269.5	1325.8	1184.7	1026.0	946.6	890.8	814.3	787.9
20431.4	55°	16365.7	10156.9	1813.8	1208.2	1037.7	931.9	843.7	770.2	708.5	676.1
20496.1	57.5°	15574.9	8537.1	1434.6	1070.1	881.9	826.1	737.9	664.4	611.5	579.1
19778.8	60°	14263.8	6779.1	1134.8	905.5	752.6	711.4	620.3	573.3	526.2	488.0
17926.8	62.5°	12273.6	4838.9	890.8	717.3	629.1	582.1	529.2	493.9	438.0	385.1
14596.0	65°	9577.8	2960.4	687.9	526.2	505.6	482.1	449.8	417.4	349.8	296.9
9521.9	67.5°	6041.2	1402.3	490.9	396.9	399.8	388.1	373.4	346.9	296.9	249.9
4265.6	70°	2660.5	679.1	323.4	302.8	296.9	296.9	308.7	299.9	252.8	208.7
1481.6	72.5°	905.5	364.5	241.1	229.3	214.6	211.7	258.7	249.9	202.8	161.7
737.9	75°	473.3	244.0	176.4	164.6	129.4	155.8	205.8	194.0	144.0	105.8
488.0	77.5°	308.7	173.4	120.5	105.8	73.5	102.9	152.9	135.2	85.3	52.9
320.4	80°	194.0	114.7	70.6	50.0	35.3	55.9	82.3	58.8	32.3	11.8
188.1	82.5°	102.9	58.8	26.5	17.6	14.7	17.6	20.6	14.7	5.9	0.0
97.0	85°	41.2	20.6	8.8	5.9	2.9	0.0	5.9	2.9	0.0	0.0
17.6	87.5°	14.7	2.9	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°
5814.9
5432.7
4547.8
3389.6
2287.1
1852.1
1805.0
1778.6
1737.4
1696.3
1669.8
1649.2
1628.6
1608.1
1593.4
1575.7
1519.9
1396.4
1234.7
1067.1
917.2
784.9
676.1
573.3
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