

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: P849538

Luminaire Tested: **GLAN-SB6C-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849538
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40415 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

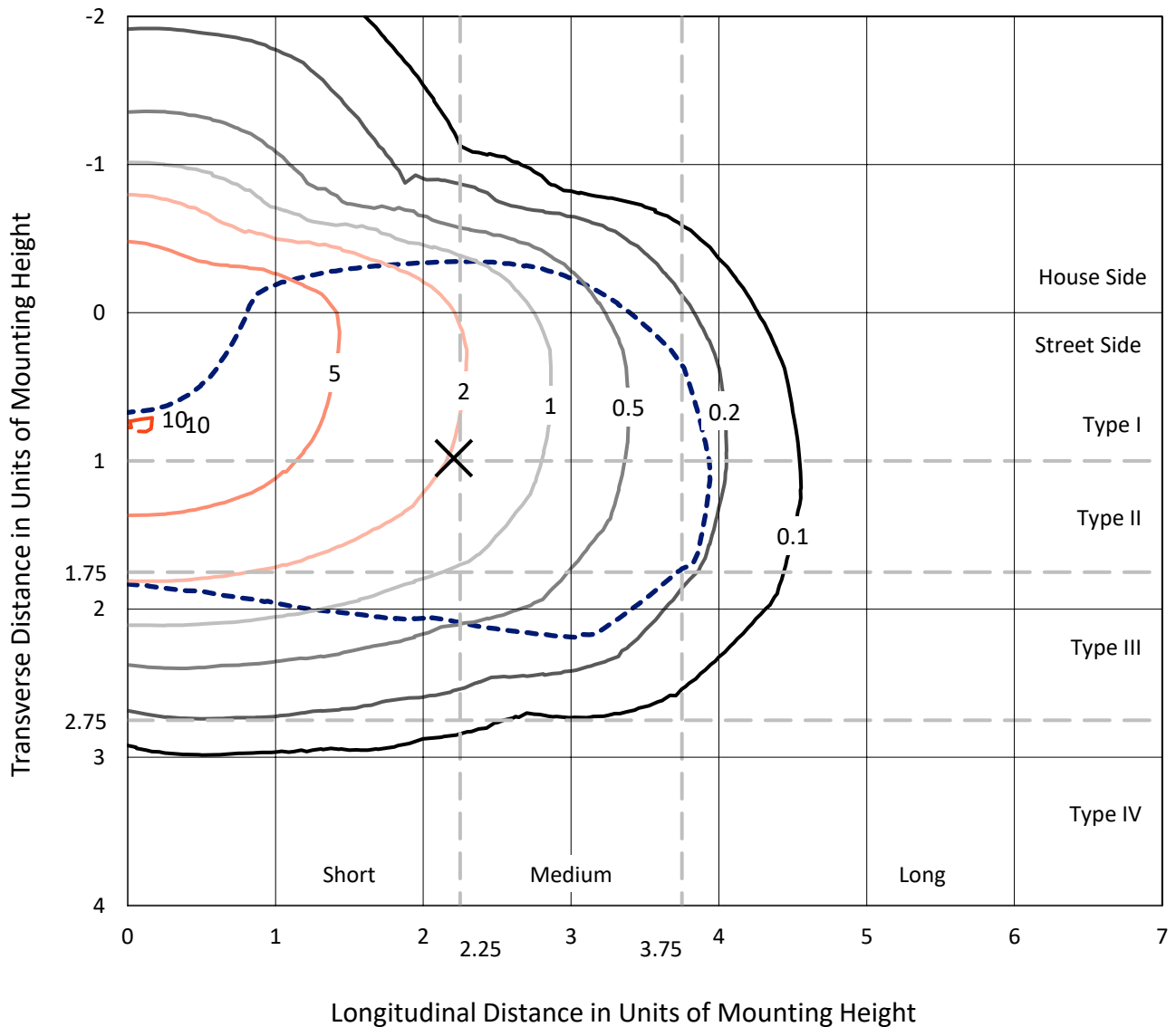
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

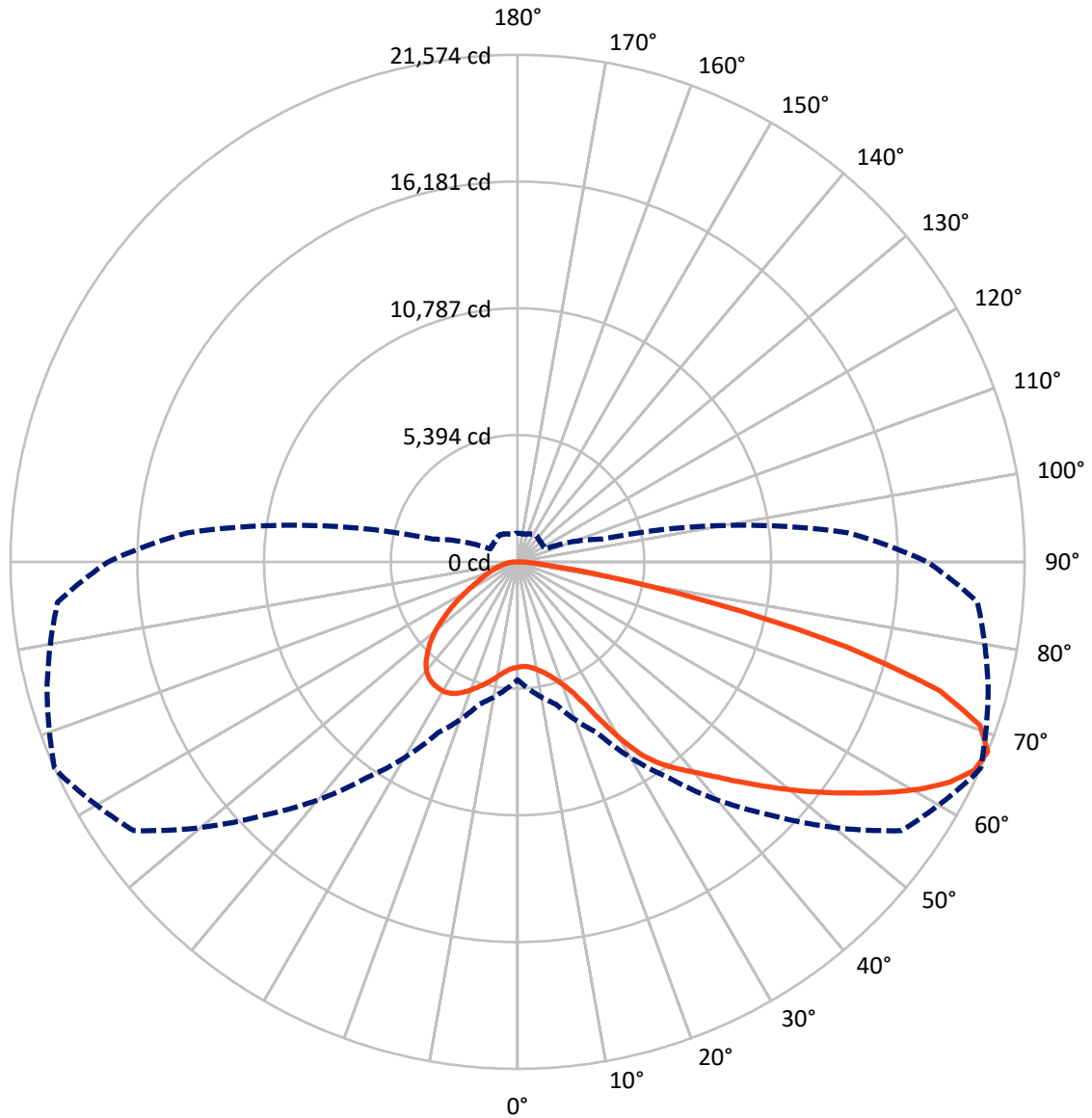
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10049.1	0.0	10049.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	30365.9	0.0	30365.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	40415.0	0.0	40415.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.4	1.1
10°-20°	1468.3	3.6
20°-30°	2830.1	7.0
30°-40°	4962.3	12.3
40°-50°	7377.2	18.3
50°-60°	9351.4	23.1
60°-70°	9150.1	22.6
70°-80°	4364.7	10.8
80°-90°	466.5	1.2
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°	40415.0	100.0
0°-180°	40415.0	100.0

Coefficient of Utilization



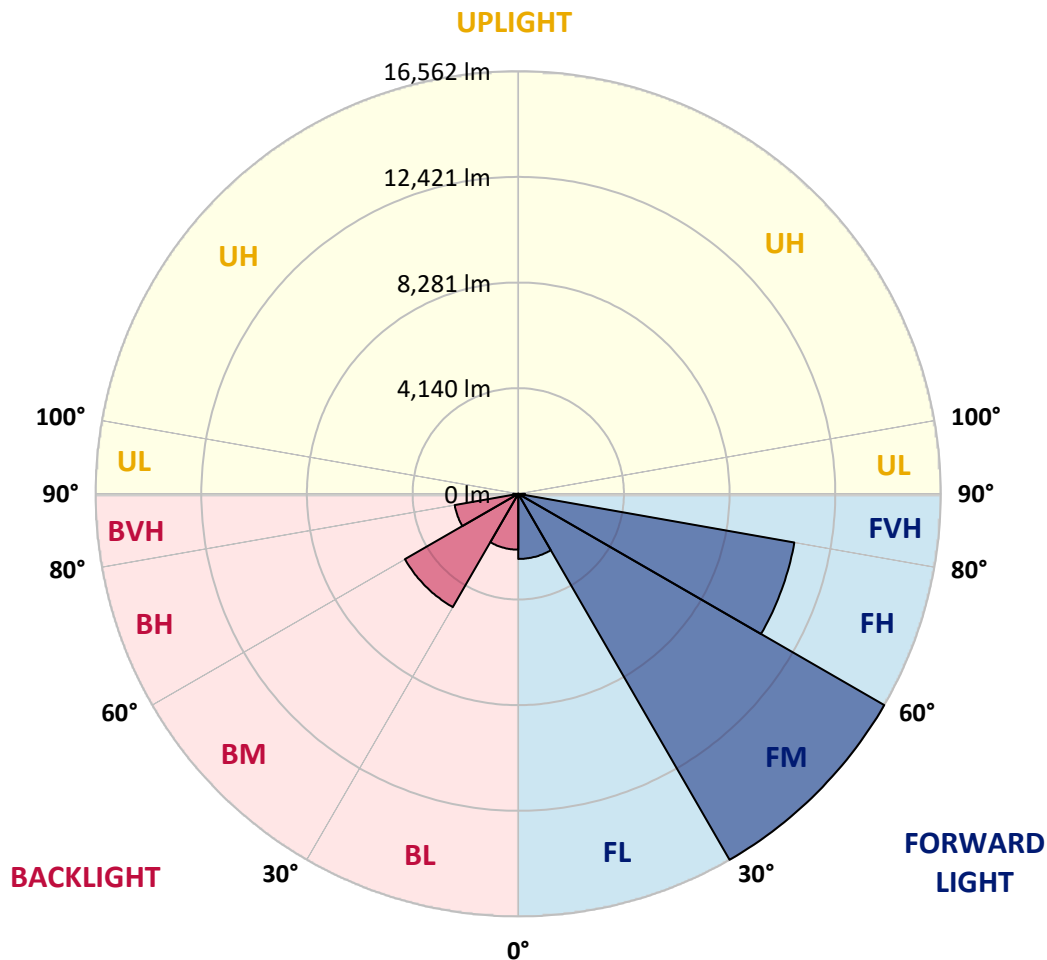
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2553.8	6.3			
FM (30°-60°)	16561.7	41.0			
FH (60°-80°)	10985.9	27.2			G4/12000
FVH (80°-90°)	264.5	0.7			G3/500
BL (0°-30°)	2189.1	5.4	B3/2500		
BM (30°-60°)	5129.2	12.7	B4/8500		
BH (60°-80°)	2528.9	6.3	B4/5000		G4/5000
BVH (80°-90°)	202.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4482.6	4482.6	4482.6	4482.6	4482.6	4482.6	4482.6	4482.6	4482.6	4482.6
2.5°	4435.8	4461.3	4455.0	4444.3	4442.2	4446.5	4452.8	4459.2	4457.1	4467.7
5°	4423.1	4448.6	4446.5	4446.5	4455.0	4471.9	4482.6	4493.2	4482.6	4495.3
7.5°	4431.6	4450.7	4459.2	4467.7	4488.9	4520.8	4546.3	4569.6	4556.9	4571.7
10°	4539.9	4554.8	4563.2	4563.2	4578.1	4614.2	4639.7	4682.2	4671.5	4694.9
12.5°	4737.4	4752.2	4752.2	4743.7	4754.4	4777.7	4786.2	4832.9	4813.8	4852.0
15°	4979.4	5009.2	4985.8	4970.9	4975.2	4998.6	4996.4	5032.5	5013.4	5045.3
17.5°	5247.0	5285.2	5247.0	5244.9	5236.4	5261.9	5264.0	5295.8	5261.9	5285.2
20°	5563.4	5616.5	5584.6	5595.2	5576.1	5586.7	5597.4	5644.1	5591.0	5608.0
22.5°	6009.3	6073.0	6039.0	6079.4	6066.6	6058.1	6056.0	6138.8	6056.0	6062.4
25°	6659.1	6735.5	6676.1	6731.3	6731.3	6758.9	6790.7	6896.9	6758.9	6718.5
27.5°	7618.9	7695.3	7578.5	7612.5	7601.9	7669.8	7635.8	7899.2	7750.5	7684.7
30°	8774.0	8909.9	8689.1	8680.6	8670.0	8778.3	8827.1	9001.2	8850.5	8784.6
32.5°	10022.6	10164.9	9901.5	9825.1	9784.8	9850.6	9810.2	9950.4	9846.3	9744.4
35°	11343.4	11483.5	11232.9	11084.3	10922.9	10784.9	10640.5	10676.6	10578.9	10423.9
37.5°	12591.9	12848.9	12583.4	12424.2	12126.9	11857.2	11453.8	11286.0	11194.7	11052.4
40°	13863.9	14010.4	13808.7	13672.8	13350.0	12927.4	12281.9	11927.3	11804.1	11666.1
42.5°	14800.3	14940.4	14832.1	14738.7	14486.0	13995.5	13161.0	12717.2	12538.8	12383.8
45°	15543.5	15647.5	15579.6	15613.6	15505.3	15029.6	14072.0	13564.5	13379.7	13190.7
47.5°	15842.9	15953.3	16061.6	16263.3	16448.1	16097.7	15050.9	14481.8	14286.4	14093.2
50°	15808.9	15921.5	16235.7	16664.7	17238.0	17121.2	16082.8	15458.6	15278.1	15057.2
52.5°	15537.1	15664.5	16068.0	16781.5	17694.5	17887.8	17133.9	16467.2	16297.3	16034.0
55°	14823.7	14900.1	15505.3	16516.0	17802.8	18422.9	18163.8	17541.6	17371.8	17004.4
57.5°	13500.8	13611.2	14492.4	15800.4	17531.0	18786.0	19068.4	18671.3	18507.8	17979.1
60°	11774.4	11950.7	12959.3	14598.6	16838.8	18783.8	19890.2	19781.9	19646.0	18938.9
62.5°	9820.9	10024.7	10995.1	12899.8	15628.4	18250.9	20404.0	20711.9	20641.8	19824.3
65°	7542.4	7682.6	8648.7	10702.1	13745.0	17106.3	20463.5	21346.8	21359.6	20497.5
67.5°	5021.9	5425.4	6264.1	8030.8	11222.3	15235.6	19941.1	21450.9	21574.0	20728.9
70°	2450.4	2981.3	3803.1	5219.4	8030.8	12366.8	18575.8	20597.3	20871.2	20053.7
72.5°	1017.1	1189.1	1637.2	2575.7	4610.0	8345.1	15832.3	18282.7	18790.2	17768.8
75°	685.9	743.2	936.4	1320.8	2100.1	4115.2	11417.7	13632.4	14449.9	13420.1
77.5°	528.7	564.8	681.6	923.7	1248.6	1556.5	6111.2	8215.5	8638.1	7996.8
80°	416.2	443.8	509.6	673.1	885.5	832.4	2083.1	3722.4	3966.6	3327.4
82.5°	361.0	371.6	365.2	456.5	588.2	486.3	683.7	1373.9	1516.1	1099.9
85°	261.2	290.9	303.7	282.4	312.1	246.3	280.3	486.3	535.1	477.8
87.5°	106.2	157.1	193.2	182.6	114.7	70.1	87.1	142.3	163.5	178.4
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°
4482.6	0°	4482.6	4482.6	4482.6	4482.6	4482.6	4482.6	4482.6	4482.6	4482.6	4482.6
4484.7	2.5°	4486.8	4501.7	4512.3	4525.0	4533.5	4546.3	4571.7	4586.6	4588.7	4599.3
4518.7	5°	4527.1	4548.4	4571.7	4605.7	4643.9	4675.8	4724.6	4758.6	4771.3	4782.0
4601.5	7.5°	4614.2	4643.9	4686.4	4745.9	4801.1	4843.5	4903.0	4943.3	4983.7	4998.6
4733.1	10°	4743.7	4786.2	4847.8	4928.5	4987.9	5043.1	5104.7	5138.7	5179.0	5196.0
4890.3	12.5°	4905.1	4949.7	5030.4	5142.9	5198.2	5236.4	5257.6	5249.1	5257.6	5272.5
5079.2	15°	5089.9	5138.7	5230.0	5351.0	5389.3	5355.3	5308.6	5266.1	5259.7	5264.0
5308.6	17.5°	5308.6	5344.7	5450.8	5552.8	5525.2	5385.0	5283.1	5215.1	5181.2	5170.5
5601.6	20°	5614.3	5614.3	5701.4	5765.1	5580.4	5342.5	5183.3	5072.9	5002.8	4973.1
6000.8	22.5°	5985.9	5952.0	6007.2	5962.6	5569.8	5223.6	5002.8	4811.7	4705.5	4663.0
6559.3	25°	6457.3	6417.0	6402.1	6126.1	5493.3	5034.6	4675.8	4444.3	4350.9	4327.5
7364.1	27.5°	7168.7	7066.8	6873.5	6215.3	5353.2	4737.4	4293.6	4079.1	4026.0	4028.1
8398.2	30°	8115.7	7911.9	7438.4	6230.1	5123.8	4316.9	3902.9	3750.0	3724.5	3735.1
9266.6	32.5°	8992.7	8799.5	8015.9	6162.2	4771.3	3905.0	3552.5	3450.6	3412.3	3425.1
9929.2	35°	9680.7	9627.6	8551.0	6066.6	4338.2	3518.5	3238.2	3151.2	3076.8	3059.9
10553.4	37.5°	10330.5	10309.2	8952.4	5932.9	3909.2	3244.6	2985.5	2870.9	2762.6	2703.1
11243.6	40°	11044.0	11022.7	9215.7	5726.9	3529.1	3006.8	2758.3	2607.6	2473.8	2365.5
12025.0	42.5°	11846.6	11721.3	9341.0	5431.7	3206.4	2805.0	2573.6	2369.7	2193.5	2093.7
12908.3	45°	12723.6	12441.2	9338.8	5055.9	2934.6	2620.3	2376.1	2087.3	1923.8	1830.4
13815.0	47.5°	13653.6	13129.2	9224.2	4639.7	2671.3	2416.5	2070.3	1849.5	1741.2	1683.9
14800.3	50°	14613.4	13772.6	9028.8	4161.9	2401.6	2185.0	1879.2	1728.5	1645.7	1592.6
15777.1	52.5°	15515.9	14356.5	8793.1	3620.4	2127.7	1959.9	1794.3	1677.5	1590.4	1531.0
16724.1	55°	16354.6	14859.8	8459.7	3066.2	1904.7	1809.2	1754.0	1656.3	1556.5	1486.4
17686.0	57.5°	17100.0	15186.8	7884.3	2546.0	1745.5	1705.1	1711.5	1620.2	1505.5	1446.1
18633.1	60°	17720.0	15426.7	7032.8	2064.0	1615.9	1603.2	1645.7	1552.2	1418.5	1350.5
19433.6	62.5°	18091.6	15422.5	5988.1	1690.2	1505.5	1509.8	1558.6	1467.3	1331.4	1267.7
19851.9	65°	18059.8	15044.5	4841.4	1446.1	1399.3	1403.6	1467.3	1373.9	1259.2	1221.0
19641.7	67.5°	17420.6	14122.9	3713.9	1286.8	1282.6	1301.7	1376.0	1310.2	1214.6	1210.4
18388.9	70°	15690.0	12209.7	2675.5	1159.4	1161.5	1189.1	1286.8	1269.8	1191.2	1199.7
15460.7	72.5°	12581.3	9309.1	1796.4	1025.6	1027.7	1072.3	1201.9	1238.0	1167.9	1280.4
10969.6	75°	8379.0	5805.5	1155.1	883.3	885.5	942.8	1127.5	1176.4	1104.2	1276.2
5707.8	77.5°	4026.0	2609.7	836.6	743.2	743.2	796.3	974.7	1053.2	940.7	991.6
1834.6	80°	1390.8	981.0	658.3	598.8	586.1	622.2	821.8	913.1	811.1	747.4
598.8	82.5°	547.8	509.6	528.7	465.0	422.6	445.9	639.2	753.8	596.7	539.4
337.6	85°	314.3	331.3	373.7	307.9	244.2	273.9	469.3	541.5	450.2	397.1
110.4	87.5°	84.9	116.8	172.0	159.3	110.4	116.8	223.0	299.4	259.1	199.6
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°
4482.6
4597.2
4779.8
5000.7
5204.5
5276.7
5278.8
5185.4
4966.7
4656.7
4331.8
4034.5
3771.2
3442.1
3072.6
2705.2
2376.1
2100.1
1826.1
1671.1
1573.5
1505.5
1458.8
1407.8
1320.8
1248.6
1218.8
1216.7
1197.6
1297.4
1286.8
908.8
700.7
537.2
405.6
206.0
0.0

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