

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: P849728

Luminaire Tested: **GLAN-SB6D-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849728
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-SB6D-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39766 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

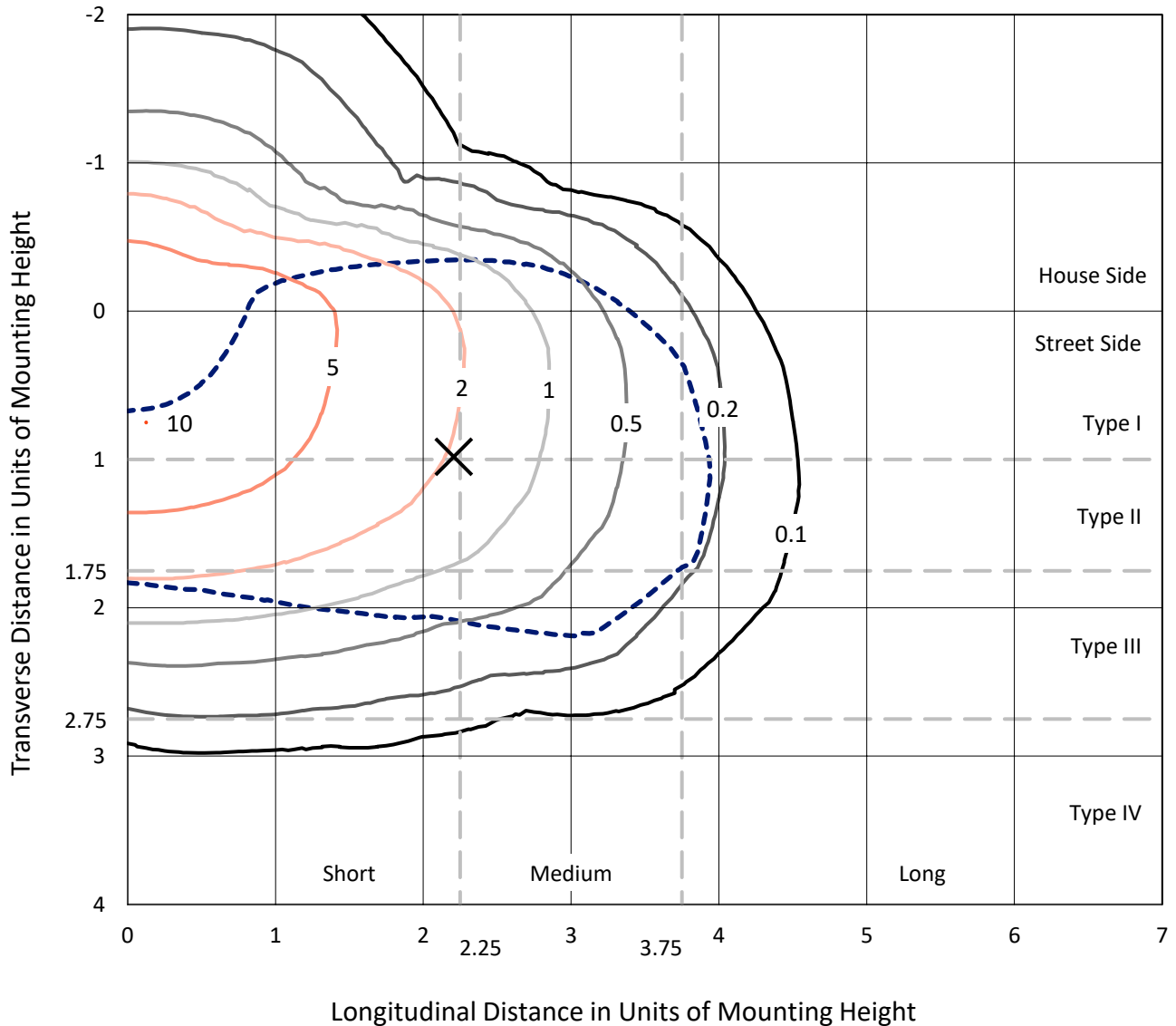
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

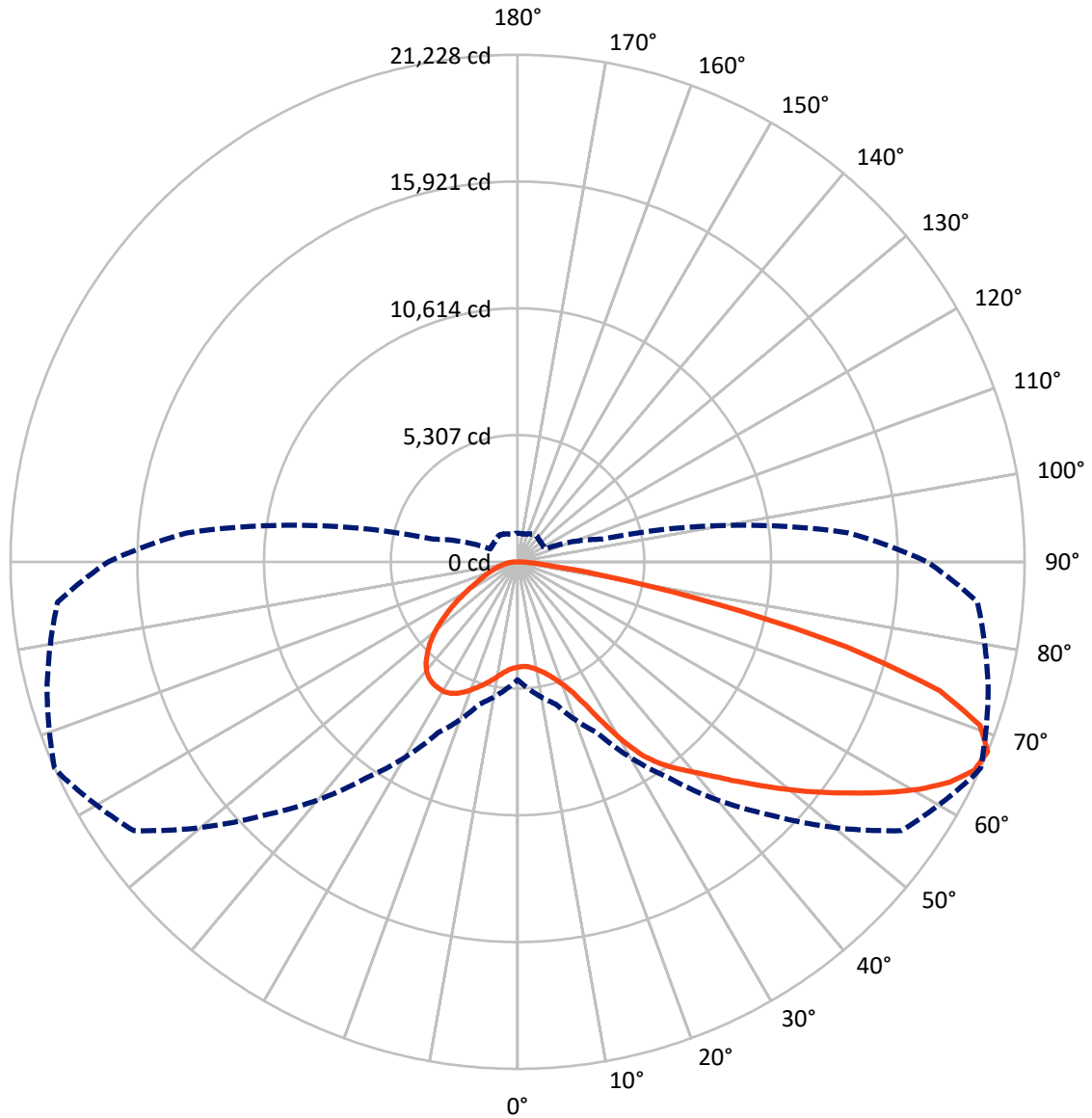
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	9887.7	0.0	9887.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	29878.3	0.0	29878.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	39766.0	0.0	39766.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	437.3	1.1
10°-20°	1444.7	3.6
20°-30°	2784.7	7.0
30°-40°	4882.6	12.3
40°-50°	7258.8	18.3
50°-60°	9201.2	23.1
60°-70°	9003.1	22.6
70°-80°	4294.6	10.8
80°-90°	459.0	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°	39766.0	100.0
0°-180°	39766.0	100.0

Coefficient of Utilization



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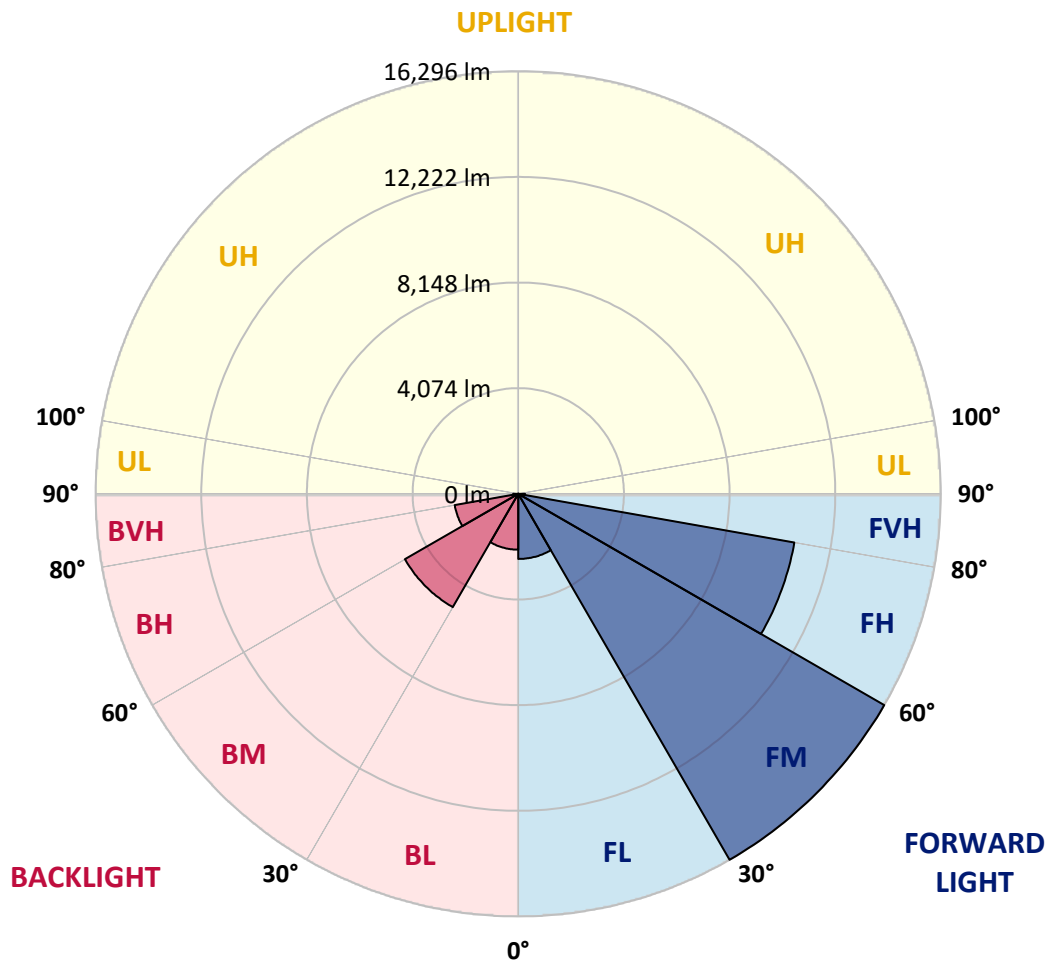
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2512.8	6.3			
FM (30°-60°)	16295.8	41.0			
FH (60°-80°)	10809.5	27.2			G4/12000
FVH (80°-90°)	260.2	0.7			G3/500
BL (0°-30°)	2153.9	5.4	B3/2500		
BM (30°-60°)	5046.8	12.7	B4/8500		
BH (60°-80°)	2488.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	198.8	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°	4410.6	4410.6	4410.6	4410.6	4410.6	4410.6	4410.6	4410.6	4410.6	4410.6
2.5°	4364.6	4389.7	4383.4	4373.0	4370.9	4375.1	4381.3	4387.6	4385.5	4395.9
5°	4352.1	4377.1	4375.1	4375.1	4383.4	4400.1	4410.6	4421.0	4410.6	4423.1
7.5°	4360.4	4379.2	4387.6	4395.9	4416.8	4448.2	4473.3	4496.2	4483.7	4498.3
10°	4467.0	4481.6	4490.0	4490.0	4504.6	4540.1	4565.2	4607.0	4596.5	4619.5
12.5°	4661.3	4675.9	4675.9	4667.6	4678.0	4701.0	4709.3	4755.3	4736.5	4774.1
15°	4899.5	4928.7	4905.7	4891.1	4895.3	4918.3	4916.2	4951.7	4932.9	4964.2
17.5°	5162.7	5200.3	5162.7	5160.6	5152.3	5177.4	5179.4	5210.8	5177.4	5200.3
20°	5474.0	5526.3	5494.9	5505.4	5486.6	5497.0	5507.5	5553.4	5501.2	5517.9
22.5°	5912.8	5975.5	5942.1	5981.8	5969.2	5960.9	5958.8	6040.3	5958.8	5965.0
25°	6552.1	6627.4	6568.9	6623.2	6623.2	6650.3	6681.7	6786.1	6650.3	6610.6
27.5°	7496.5	7571.7	7456.8	7490.2	7479.8	7546.7	7513.2	7772.3	7626.1	7561.3
30°	8633.1	8766.8	8549.5	8541.2	8530.7	8637.3	8685.3	8856.7	8708.3	8643.6
32.5°	9861.6	10001.6	9742.5	9667.3	9627.6	9692.4	9652.7	9790.6	9688.2	9587.9
35°	11161.2	11299.1	11052.6	10906.3	10747.5	10611.7	10469.6	10505.1	10409.0	10256.5
37.5°	12389.7	12642.5	12381.4	12224.7	11932.2	11666.8	11269.8	11104.8	11014.9	10875.0
40°	13641.2	13785.4	13586.9	13453.2	13135.6	12719.8	12084.7	11735.8	11614.6	11478.8
42.5°	14562.6	14700.5	14594.0	14502.0	14253.4	13770.8	12949.7	12513.0	12337.5	12185.0
45°	15293.9	15396.3	15329.4	15362.8	15256.3	14788.3	13846.0	13346.6	13164.9	12978.9
47.5°	15588.5	15697.1	15803.7	16002.2	16183.9	15839.2	14809.2	14249.2	14057.0	13866.9
50°	15555.1	15665.8	15975.0	16397.1	16961.2	16846.3	15824.6	15210.3	15032.7	14815.4
52.5°	15287.6	15413.0	15810.0	16512.0	17410.4	17600.5	16858.8	16202.8	16035.6	15776.5
55°	14585.6	14660.8	15256.3	16250.8	17516.9	18127.0	17872.1	17260.0	17092.8	16731.4
57.5°	13284.0	13392.6	14259.7	15546.7	17249.5	18484.3	18762.2	18371.5	18210.6	17690.4
60°	11585.3	11758.7	12751.2	14364.1	16568.4	18482.2	19570.8	19464.2	19330.5	18634.7
62.5°	9663.1	9863.7	10818.5	12692.7	15377.5	17957.8	20076.4	20379.3	20310.4	19506.0
65°	7421.3	7559.2	8509.8	10530.2	13524.2	16831.6	20134.9	21004.0	21016.6	20168.3
67.5°	4941.3	5338.2	6163.5	7901.8	11042.1	14990.9	19620.9	21106.4	21227.6	20396.0
70°	2411.1	2933.4	3742.0	5135.6	7901.8	12168.3	18277.5	20266.5	20536.0	19731.6
72.5°	1000.8	1170.0	1610.9	2534.4	4535.9	8211.1	15578.0	17989.1	18488.5	17483.5
75°	674.9	731.3	921.4	1299.6	2066.3	4049.1	11234.3	13413.5	14217.9	13204.6
77.5°	520.2	555.8	670.7	908.9	1228.5	1531.5	6013.1	8083.6	8499.4	7868.4
80°	409.5	436.7	501.4	662.3	871.3	819.0	2049.6	3662.6	3902.9	3274.0
82.5°	355.2	365.6	359.4	449.2	578.7	478.5	672.8	1351.8	1491.8	1082.3
85°	257.0	286.2	298.8	277.9	307.1	242.4	275.8	478.5	526.5	470.1
87.5°	104.5	154.6	190.1	179.7	112.8	68.9	85.7	140.0	160.9	175.5
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°
4410.6	0°	4410.6	4410.6	4410.6	4410.6	4410.6	4410.6	4410.6	4410.6	4410.6	4410.6
4412.7	2.5°	4414.8	4429.4	4439.8	4452.4	4460.7	4473.3	4498.3	4513.0	4515.0	4525.5
4446.1	5°	4454.5	4475.3	4498.3	4531.8	4569.4	4600.7	4648.8	4682.2	4694.7	4705.2
4527.6	7.5°	4540.1	4569.4	4611.2	4669.7	4724.0	4765.8	4824.3	4864.0	4903.7	4918.3
4657.1	10°	4667.6	4709.3	4769.9	4849.3	4907.8	4962.2	5022.7	5056.2	5095.9	5112.6
4811.7	12.5°	4826.4	4870.2	4949.6	5060.4	5114.7	5152.3	5173.2	5164.8	5173.2	5187.8
4997.7	15°	5008.1	5056.2	5146.0	5265.1	5302.7	5269.3	5223.3	5181.5	5175.3	5179.4
5223.3	17.5°	5223.3	5258.8	5363.3	5463.6	5436.4	5298.5	5198.3	5131.4	5098.0	5087.5
5511.7	20°	5524.2	5524.2	5609.9	5672.5	5490.8	5256.8	5100.1	4991.4	4922.5	4893.2
5904.4	22.5°	5889.8	5856.4	5910.7	5866.8	5480.3	5139.8	4922.5	4734.4	4630.0	4588.2
6453.9	25°	6353.7	6314.0	6299.3	6027.7	5405.1	4953.8	4600.7	4373.0	4281.0	4258.1
7245.8	27.5°	7053.6	6953.3	6763.2	6115.5	5267.2	4661.3	4224.6	4013.6	3961.4	3963.5
8263.3	30°	7985.4	7784.8	7318.9	6130.1	5041.6	4247.6	3840.2	3689.8	3664.7	3675.1
9117.8	32.5°	8848.3	8658.2	7887.2	6063.2	4694.7	3842.3	3495.4	3395.2	3357.6	3370.1
9769.7	35°	9525.3	9473.0	8413.7	5969.2	4268.5	3462.0	3186.2	3100.6	3027.4	3010.7
10384.0	37.5°	10164.6	10143.7	8808.6	5837.6	3846.5	3192.5	2937.6	2824.8	2718.2	2659.7
11063.0	40°	10866.6	10845.7	9067.7	5634.9	3472.5	2958.5	2714.0	2565.7	2434.1	2327.5
11831.9	42.5°	11656.4	11533.1	9191.0	5344.5	3154.9	2760.0	2532.3	2331.7	2158.3	2060.1
12701.0	45°	12519.3	12241.4	9188.9	4974.7	2887.5	2578.2	2338.0	2053.8	1892.9	1801.0
13593.2	47.5°	13434.4	12918.3	9076.0	4565.2	2628.4	2377.7	2037.1	1819.8	1713.3	1656.8
14562.6	50°	14378.8	13551.4	8883.8	4095.1	2363.0	2149.9	1849.1	1700.7	1619.2	1567.0
15523.7	52.5°	15266.7	14126.0	8651.9	3562.3	2093.5	1928.5	1765.5	1650.6	1564.9	1506.4
16455.6	55°	16092.0	14621.1	8323.9	3017.0	1874.1	1780.1	1725.8	1629.7	1531.5	1462.5
17402.0	57.5°	16825.4	14942.9	7757.7	2505.1	1717.4	1677.7	1684.0	1594.2	1481.3	1422.8
18333.9	60°	17435.5	15179.0	6919.9	2030.8	1590.0	1577.4	1619.2	1527.3	1395.7	1328.8
19121.5	62.5°	17801.1	15174.8	5891.9	1663.1	1481.3	1485.5	1533.6	1443.7	1310.0	1247.3
19533.1	65°	17769.7	14802.9	4763.7	1422.8	1376.9	1381.0	1443.7	1351.8	1239.0	1201.4
19326.3	67.5°	17140.9	13896.1	3654.2	1266.1	1262.0	1280.8	1353.9	1289.1	1195.1	1190.9
18093.6	70°	15438.1	12013.6	2632.6	1140.8	1142.9	1170.0	1266.1	1249.4	1172.1	1180.5
15212.4	72.5°	12379.3	9159.6	1767.6	1009.1	1011.2	1055.1	1182.6	1218.1	1149.1	1259.9
10793.5	75°	8244.5	5712.2	1136.6	869.2	871.3	927.7	1109.4	1157.5	1086.5	1255.7
5616.1	77.5°	3961.4	2567.8	823.2	731.3	731.3	783.5	959.0	1036.3	925.6	975.7
1805.2	80°	1368.5	965.3	647.7	589.2	576.7	612.2	808.6	898.4	798.1	735.4
589.2	82.5°	539.0	501.4	520.2	457.6	415.8	438.8	628.9	741.7	587.1	530.7
332.2	85°	309.2	325.9	367.7	303.0	240.3	269.5	461.7	532.8	442.9	390.7
108.6	87.5°	83.6	114.9	169.2	156.7	108.6	114.9	219.4	294.6	254.9	196.4
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°
4410.6
4523.4
4703.1
4920.4
5120.9
5192.0
5194.1
5102.1
4886.9
4581.9
4262.2
3969.7
3710.6
3386.8
3023.3
2661.8
2338.0
2066.3
1796.8
1644.3
1548.2
1481.3
1435.4
1385.2
1299.6
1228.5
1199.3
1197.2
1178.4
1276.6
1266.1
894.2
689.5
528.6
399.1
202.7
0.0

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