

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: P850746

Luminaire Tested: **GLAN-SB8B-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29054 lumens
Efficiency: N/A
Efficacy: 99.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

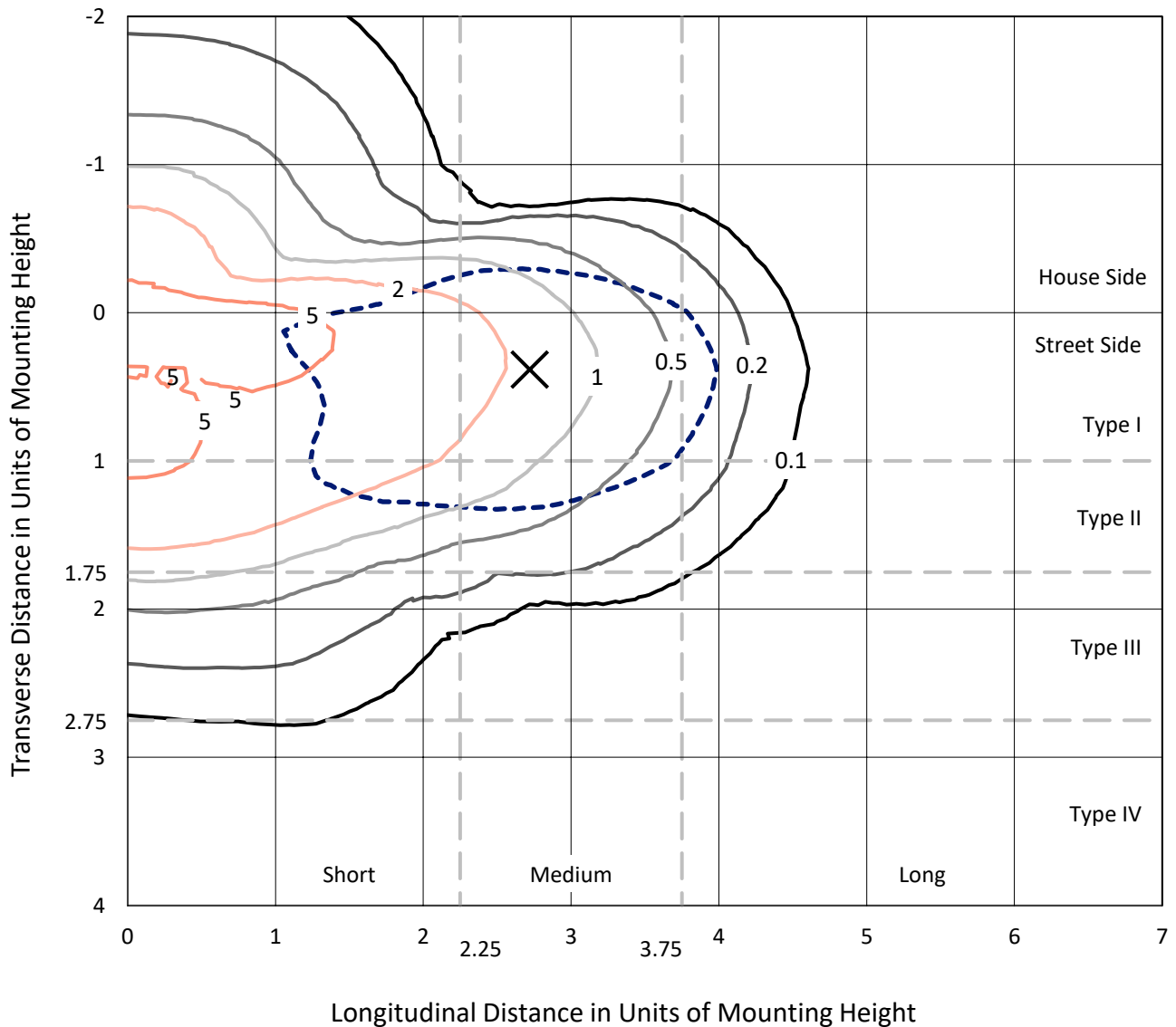
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

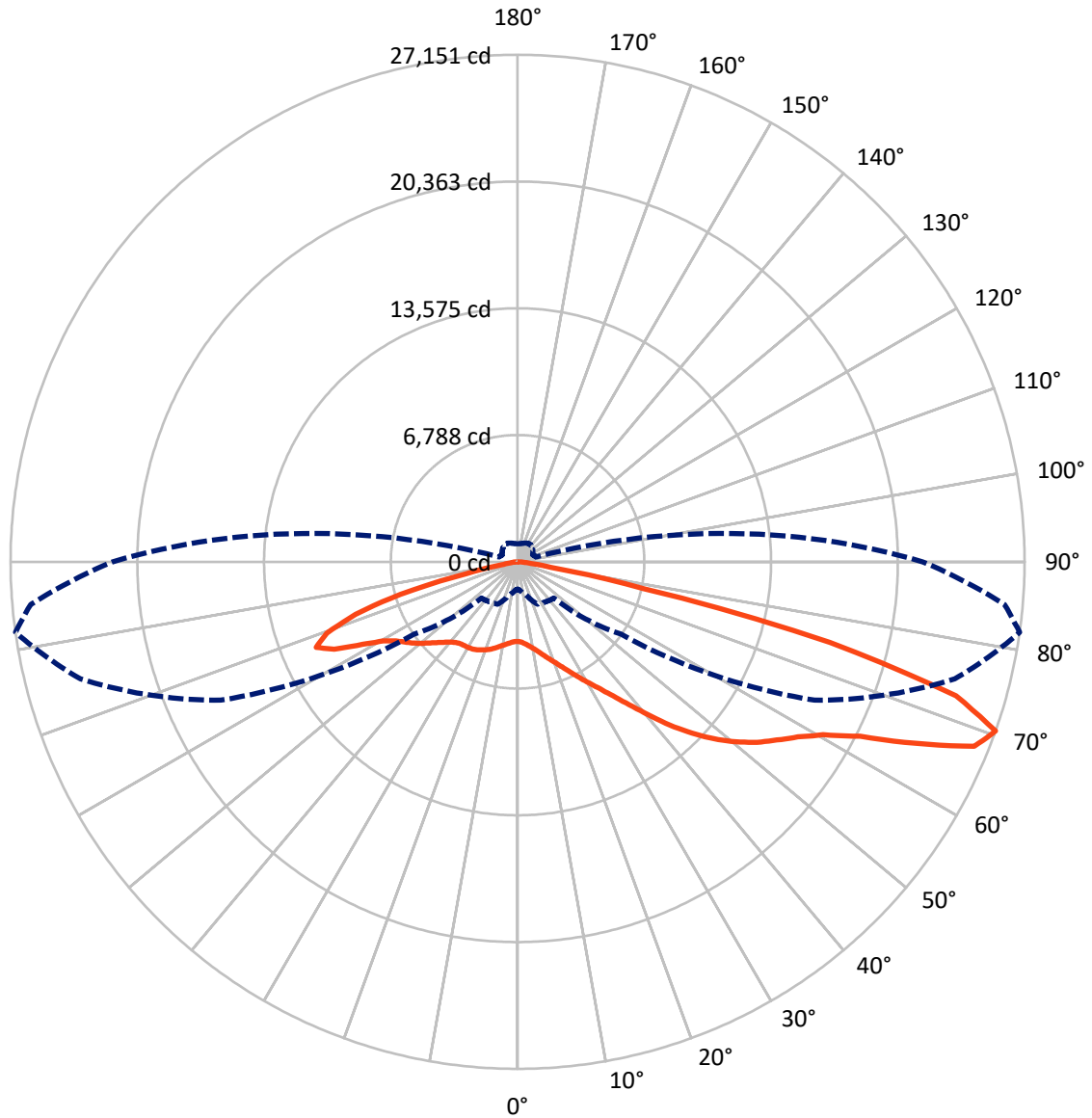
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7162.5	0.0	7162.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	21891.5	0.0	21891.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	29054.0	0.0	29054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.2	1.4
10°-20°	1155.5	4.0
20°-30°	1933.1	6.7
30°-40°	3019.9	10.4
40°-50°	4809.6	16.6
50°-60°	6693.1	23.0
60°-70°	7001.3	24.1
70°-80°	3659.3	12.6
80°-90°	380.0	1.3
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°	29054.0	100.0
0°-180°	29054.0	100.0

Coefficient of Utilization

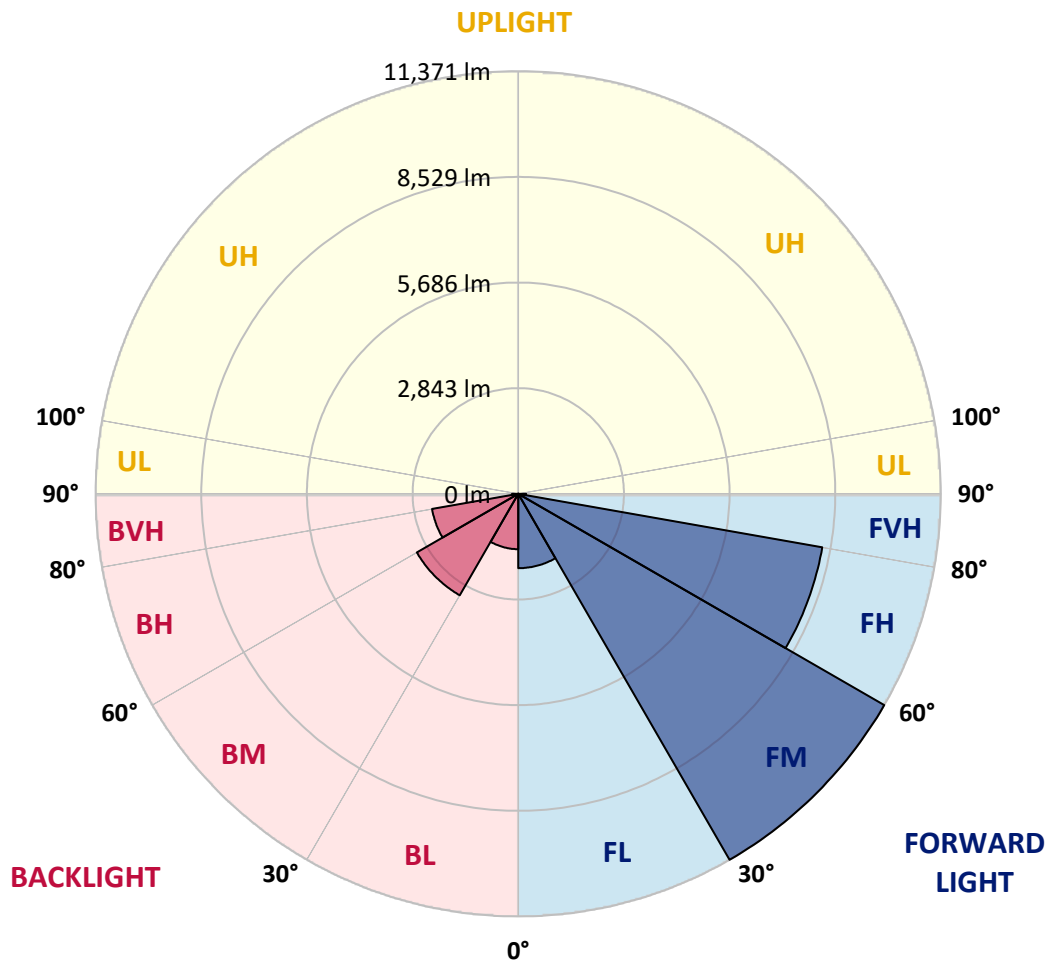


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2000.7	6.9			
FM (30°-60°)	11371.4	39.1			
FH (60°-80°)	8306.6	28.6			G4/12000
FVH (80°-90°)	212.7	0.7			G2/225
BL (0°-30°)	1490.1	5.1	B3/2500		
BM (30°-60°)	3151.2	10.8	B3/5000		
BH (60°-80°)	2354.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	167.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4259.7	4259.7	4259.7	4259.7	4259.7	4259.7	4259.7	4259.7	4259.7	4259.7
2.5°	4361.4	4386.1	4378.4	4370.7	4370.7	4359.9	4358.3	4342.9	4330.6	4310.6
5°	4416.9	4443.1	4440.1	4446.2	4466.3	4470.9	4475.5	4466.3	4441.6	4416.9
7.5°	4367.6	4396.9	4406.1	4443.1	4504.8	4560.3	4601.9	4618.9	4595.8	4560.3
10°	4201.1	4233.5	4265.8	4353.7	4463.2	4594.2	4705.2	4771.5	4766.9	4733.0
12.5°	3863.5	3897.4	3966.8	4137.9	4338.3	4569.6	4776.1	4914.9	4962.7	4938.0
15°	3593.7	3623.0	3675.4	3851.1	4111.7	4463.2	4802.4	5072.1	5193.9	5180.1
17.5°	3586.0	3598.3	3630.7	3713.9	3914.3	4296.7	4774.6	5226.3	5459.1	5457.6
20°	3721.6	3726.3	3744.8	3761.7	3875.8	4170.3	4703.7	5354.3	5756.7	5756.7
22.5°	3909.7	3906.6	3925.1	3909.7	3965.2	4159.5	4659.0	5466.8	6088.1	6112.8
25°	4191.8	4176.4	4171.8	4136.3	4147.1	4259.7	4708.3	5594.8	6481.2	6532.1
27.5°	4568.0	4543.4	4526.4	4444.7	4416.9	4466.3	4859.4	5748.9	6919.1	7007.0
30°	5058.3	5013.6	4988.9	4847.1	4746.9	4754.6	5087.6	5954.0	7377.0	7518.8
32.5°	5727.4	5658.0	5591.7	5358.9	5175.4	5115.3	5382.0	6237.7	7873.4	8100.0
35°	6476.6	6421.1	6350.2	5991.0	5708.9	5570.1	5779.8	6633.9	8454.6	8813.8
37.5°	7198.1	7150.3	7184.3	6700.2	6336.3	6134.4	6300.9	7165.8	9171.5	9701.8
40°	7944.3	7907.3	7911.9	7449.4	7025.5	6798.8	6933.0	7833.3	9993.2	10757.9
42.5°	8755.2	8727.5	8635.0	8224.9	7748.5	7537.3	7660.6	8604.2	10875.1	11960.4
45°	9663.3	9646.3	9560.0	9089.8	8544.0	8306.6	8473.1	9455.2	11761.5	13092.0
47.5°	10448.0	10461.9	10451.1	10054.9	9489.1	9140.7	9339.5	10343.2	12586.3	14155.8
50°	10825.7	10898.2	11004.6	10881.2	10529.7	10175.1	10213.7	11200.4	13372.6	15153.2
52.5°	10628.4	10765.6	11055.4	11252.8	11388.4	11314.4	11211.1	12051.4	14112.6	16053.6
55°	9893.0	10085.7	10566.7	11043.1	11735.3	12273.4	12409.0	12994.9	14834.1	16846.0
57.5°	8553.3	8866.2	9297.9	10261.5	11427.0	12737.4	13805.8	14303.8	15598.8	17692.4
60°	6256.2	6675.5	7212.0	8645.8	10347.8	12489.2	14994.4	16314.1	16685.7	18788.5
62.5°	4003.8	4262.8	4756.1	6106.6	8063.0	11217.3	15358.3	18827.1	18528.0	20586.1
65°	2741.1	2907.6	3359.3	4117.8	5212.4	8349.8	14383.9	20711.0	21454.1	23435.2
67.5°	1991.9	2118.3	2503.7	3168.2	3396.3	4941.1	11161.8	20624.7	24298.5	26370.5
70°	1452.3	1541.7	1865.4	2503.7	2613.2	2748.8	6761.8	17532.1	24236.9	27150.6
72.5°	1076.1	1137.8	1355.1	1942.5	2115.2	1856.2	3347.0	12742.0	20826.6	24557.5
75°	778.6	824.8	985.1	1486.2	1692.8	1413.7	1669.6	7446.3	14527.3	17274.6
77.5°	595.1	630.5	735.4	1088.4	1355.1	1060.7	1036.0	3425.6	6888.3	6922.2
80°	477.9	501.0	558.1	766.2	1039.1	794.0	675.3	1382.9	2176.9	1842.3
82.5°	351.5	390.0	471.8	538.0	743.1	547.3	411.6	698.4	827.9	712.3
85°	200.4	226.6	285.2	385.4	474.8	334.5	235.9	309.9	385.4	316.0
87.5°	70.9	92.5	100.2	151.1	206.6	138.8	91.0	89.4	126.4	94.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4259.7	0°	4259.7	4259.7	4259.7	4259.7	4259.7	4259.7	4259.7	4259.7	4259.7	4259.7
4305.9	2.5°	4290.5	4282.8	4252.0	4210.3	4167.2	4125.6	4111.7	4082.4	4062.3	4051.6
4406.1	5°	4376.8	4352.2	4279.7	4187.2	4090.1	3985.3	3911.3	3843.4	3794.1	3747.8
4543.4	7.5°	4500.2	4457.0	4332.1	4170.3	3997.6	3823.4	3693.9	3595.2	3528.9	3485.8
4703.7	10°	4643.6	4577.3	4386.1	4144.1	3877.3	3627.6	3475.0	3390.2	3348.5	3325.4
4887.1	12.5°	4808.5	4714.5	4441.6	4083.9	3693.9	3408.7	3303.8	3279.2	3280.7	3282.3
5118.4	15°	5012.0	4881.0	4486.3	3952.9	3454.9	3240.6	3222.1	3262.2	3303.8	3323.9
5380.5	17.5°	5241.7	5056.7	4494.0	3737.0	3220.6	3132.7	3191.3	3277.6	3340.8	3368.6
5673.4	20°	5488.4	5235.6	4438.5	3431.8	3027.9	3044.8	3149.7	3260.7	3330.0	3365.5
6008.0	22.5°	5770.5	5426.7	4305.9	3111.1	2870.6	2949.2	3072.6	3180.5	3253.0	3288.4
6401.1	25°	6092.7	5641.0	4097.8	2841.3	2735.0	2841.3	2964.7	3054.1	3112.7	3145.0
6840.5	27.5°	6450.4	5864.6	3820.3	2627.0	2616.2	2730.3	2832.1	2901.5	2932.3	2957.0
7307.6	30°	6809.6	6068.1	3484.2	2465.2	2512.9	2620.9	2693.3	2724.2	2733.4	2738.0
7828.7	32.5°	7198.1	6243.8	3131.2	2331.0	2414.3	2514.5	2557.7	2571.5	2528.4	2499.1
8460.8	35°	7668.3	6431.9	2785.8	2224.7	2317.2	2403.5	2417.4	2405.0	2354.2	2294.0
9253.2	37.5°	8249.6	6666.3	2509.9	2149.1	2226.2	2283.2	2266.3	2263.2	2267.8	2196.9
10206.0	40°	8961.8	6971.5	2307.9	2090.5	2152.2	2164.5	2116.7	2142.9	2166.1	2058.2
11251.2	42.5°	9752.7	7340.0	2179.9	2050.4	2090.5	2061.2	1987.2	2016.5	2013.4	1871.6
12301.1	45°	10559.0	7740.8	2135.2	2021.2	2033.5	1974.9	1893.2	1900.9	1836.1	1708.2
13307.8	47.5°	11360.7	8170.9	2163.0	1996.5	1962.6	1896.3	1833.1	1799.1	1703.6	1608.0
14272.9	50°	12146.9	8622.7	2264.7	1947.2	1865.4	1826.9	1780.6	1720.5	1618.8	1537.1
15185.6	52.5°	12876.2	9077.4	2378.8	1865.4	1743.6	1766.8	1737.5	1668.1	1567.9	1484.6
16049.0	55°	13566.8	9532.2	2423.5	1752.9	1629.6	1714.4	1697.4	1569.4	1449.2	1381.4
16952.4	57.5°	14319.2	10079.5	2374.2	1609.5	1537.1	1654.2	1589.5	1447.6	1378.3	1327.4
18128.7	60°	15361.4	10938.3	2267.8	1432.2	1449.2	1564.8	1453.8	1395.2	1319.7	1262.6
19892.4	62.5°	17092.7	12540.1	2096.7	1256.5	1345.9	1432.2	1389.1	1330.5	1253.4	1197.9
22907.9	65°	19651.9	14766.3	1774.5	1119.3	1230.3	1302.7	1319.7	1261.1	1180.9	1122.3
25550.4	67.5°	21810.2	16163.0	1342.8	1005.2	1111.6	1197.9	1245.7	1188.6	1103.8	1046.8
26168.6	70°	21691.5	15148.6	1025.2	892.6	1006.7	1094.6	1156.3	1111.6	1020.6	966.6
23769.7	72.5°	19266.5	12672.7	829.4	778.6	900.3	986.7	1060.7	1026.8	934.3	881.8
17413.3	75°	14154.2	8995.7	662.9	662.9	767.8	874.1	955.8	934.3	849.5	812.5
7310.7	77.5°	5966.3	3774.0	519.5	550.4	638.3	750.8	852.6	860.3	786.3	832.5
1933.3	80°	1586.4	1040.6	396.2	433.2	501.0	619.8	741.6	738.5	658.3	615.1
718.4	82.5°	604.3	410.1	282.1	305.3	362.3	474.8	587.4	605.9	525.7	454.8
282.1	85°	232.8	175.8	174.2	183.5	211.2	314.5	444.0	459.4	396.2	336.1
78.6	87.5°	60.1	52.4	64.8	61.7	97.1	168.0	254.4	263.6	242.0	140.3
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°
4259.7
4063.9
3766.3
3495.0
3331.6
3285.3
3322.3
3374.8
3374.8
3297.7
3154.3
2966.2
2748.8
2508.3
2297.1
2201.5
2061.2
1870.1
1712.8
1608.0
1530.9
1486.2
1375.2
1322.8
1259.6
1197.9
1125.4
1048.3
971.3
881.8
801.7
755.4
572.0
454.8
346.9
200.4
0.0

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