

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: P851083

Luminaire Tested: **GLAN-SB8D-927-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8D-927-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52527 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B5 - U0 - G5

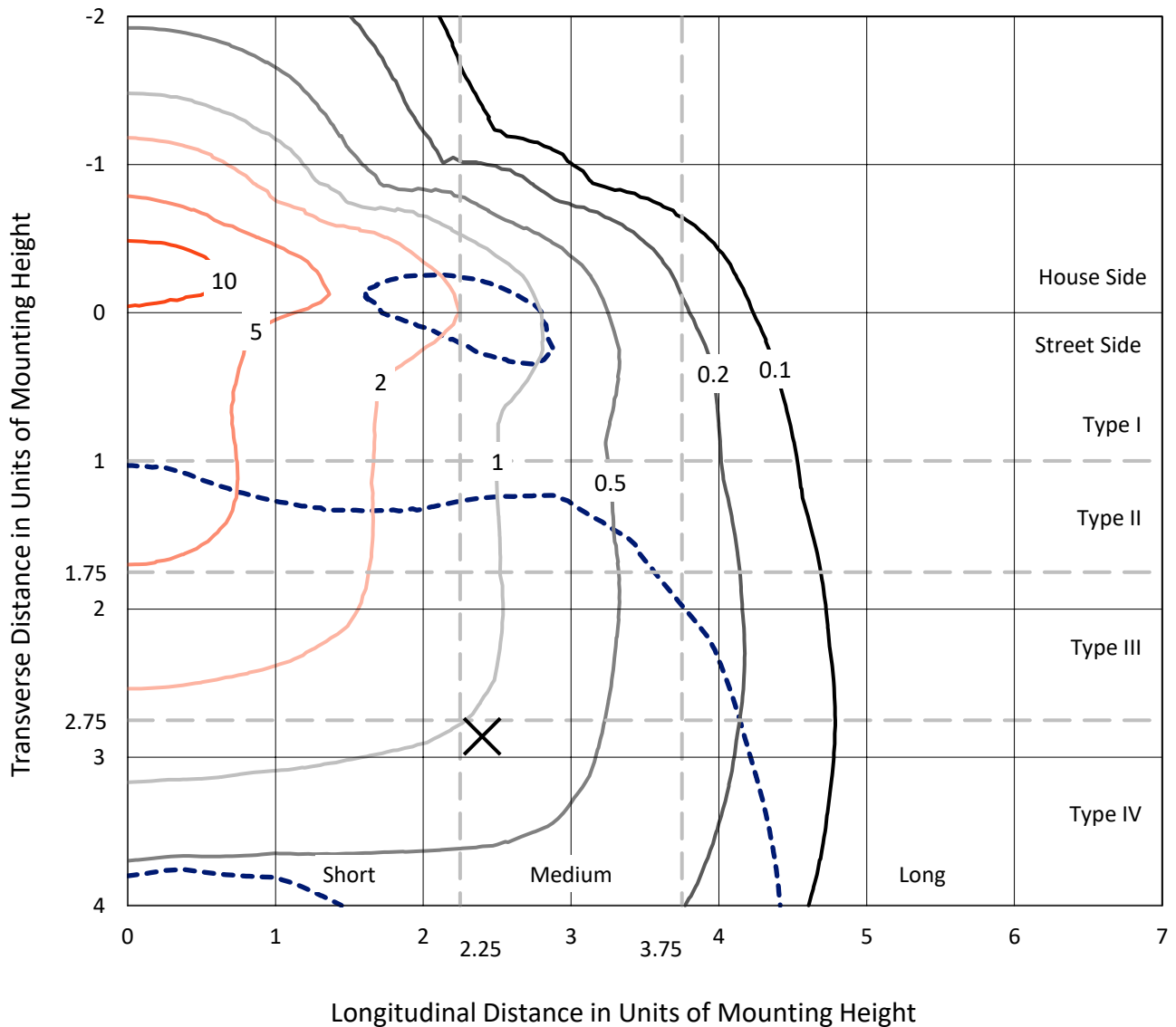
Input Watts (W): 584.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

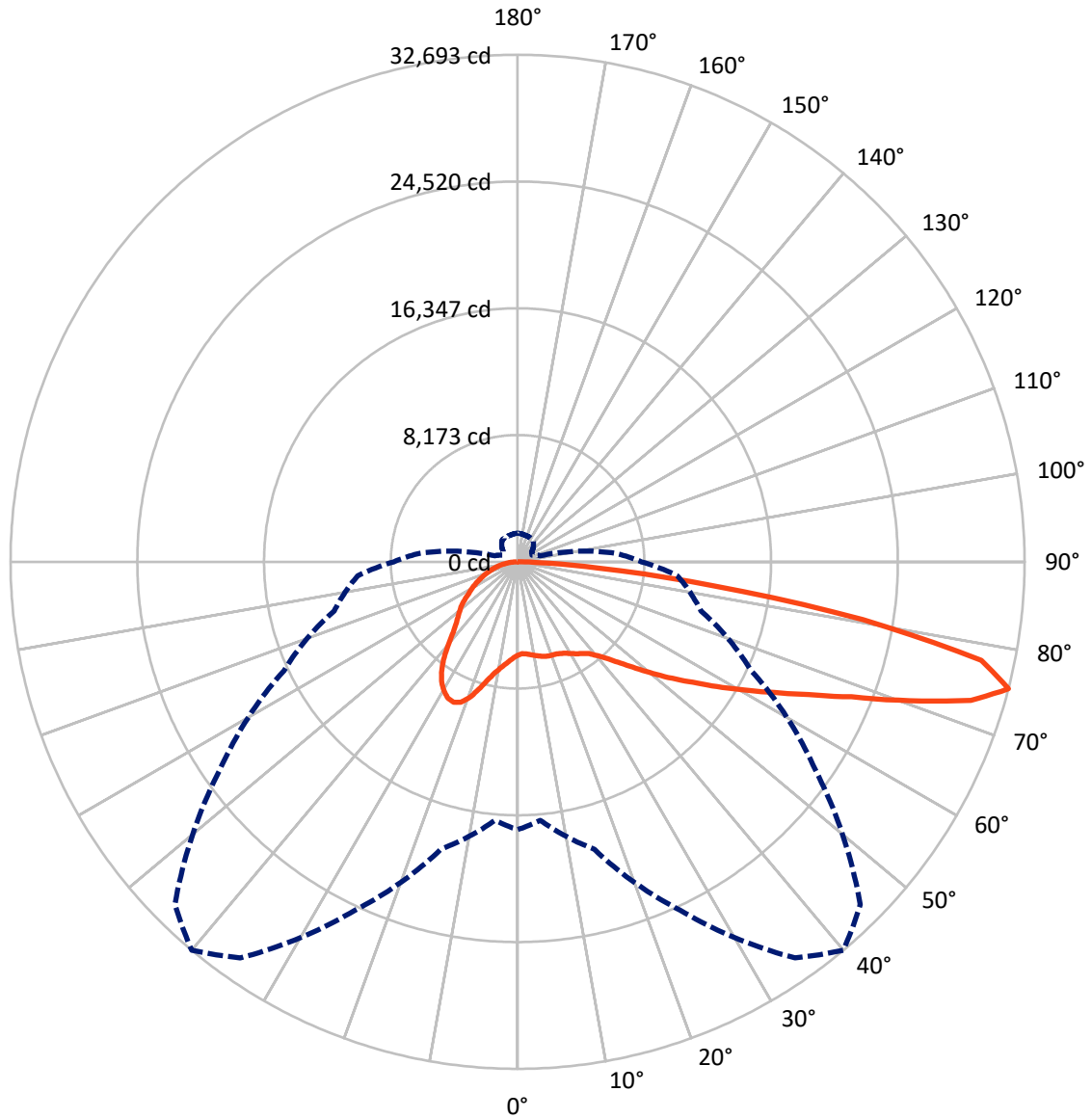
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16274.6	0.0	16274.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	36252.4	0.0	36252.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	52527.0	0.0	52527.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.6	1.1
10°-20°	2013.0	3.8
20°-30°	3675.6	7.0
30°-40°	5213.0	9.9
40°-50°	7039.2	13.4
50°-60°	9469.5	18.0
60°-70°	12019.0	22.9
70°-80°	10908.0	20.8
80°-90°	1590.0	3.0
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°	52527.0	100.0
0°-180°	52527.0	100.0

Coefficient of Utilization

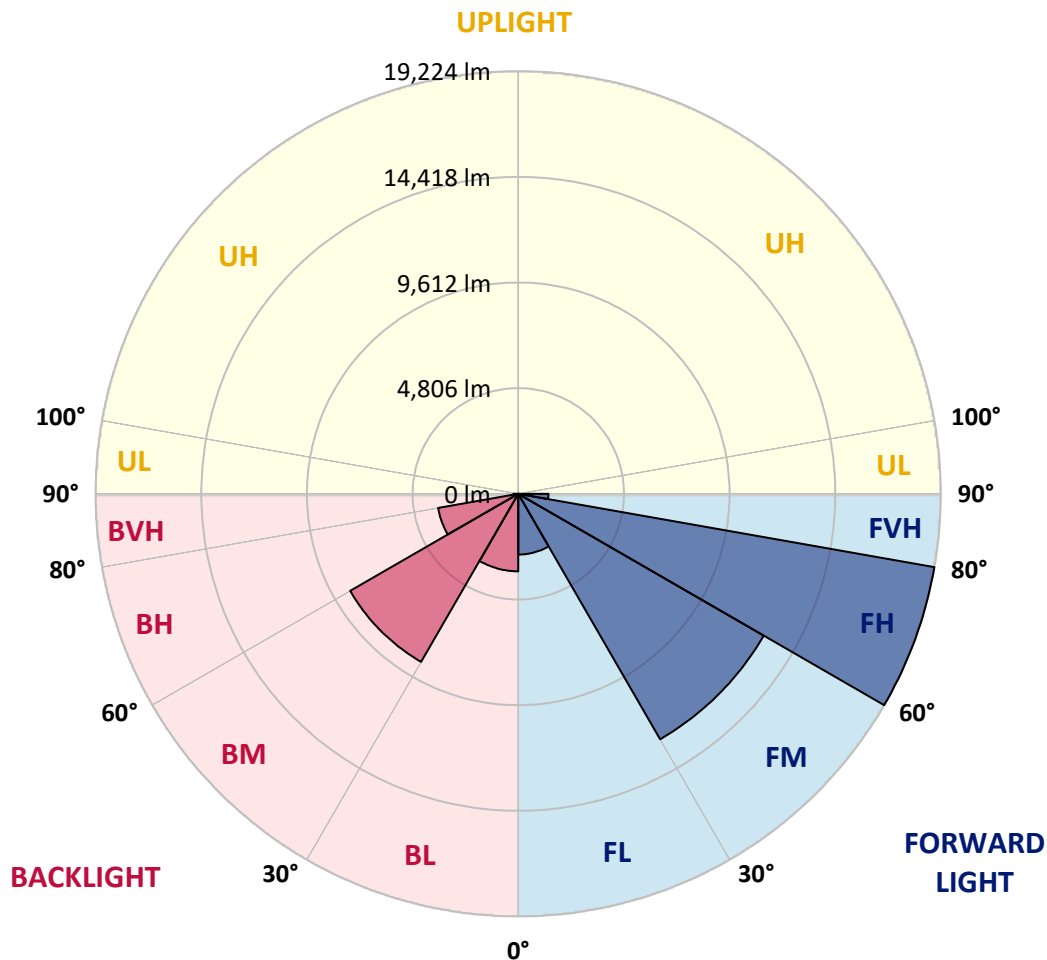


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2763.0	5.3			
FM (30°-60°)	12894.2	24.5			
FH (60°-80°)	19224.1	36.6			G5
FVH (80°-90°)	1371.1	2.6			G5
BL (0°-30°)	3525.2	6.7	B4/5000		
BM (30°-60°)	8827.5	16.8	B5		
BH (60°-80°)	3703.0	7.0	B4/5000		G4/5000
BVH (80°-90°)	218.9	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5
2.5°	5914.6	5948.0	5939.7	5928.5	5928.5	5931.3	5928.5	5948.0	5967.5	5987.0
5°	5975.9	6009.3	5992.6	5978.7	5967.5	5964.7	5956.4	5953.6	5964.7	5989.8
7.5°	6095.7	6129.1	6104.0	6079.0	6056.7	6045.5	6034.4	6017.7	6009.3	6023.2
10°	6229.4	6262.8	6232.2	6187.6	6151.4	6137.5	6126.3	6109.6	6098.5	6106.8
12.5°	6363.1	6396.6	6354.8	6293.5	6246.1	6237.8	6223.8	6218.3	6215.5	6212.7
15°	6488.5	6516.4	6463.4	6391.0	6340.8	6326.9	6313.0	6321.3	6335.3	6352.0
17.5°	6586.0	6613.9	6535.9	6441.1	6393.8	6388.2	6379.9	6407.7	6446.7	6488.5
20°	6675.2	6703.0	6602.7	6474.6	6418.9	6418.9	6421.6	6480.1	6535.9	6597.2
22.5°	6800.5	6822.8	6700.2	6524.7	6443.9	6449.5	6471.8	6530.3	6599.9	6683.5
25°	6987.2	7003.9	6853.5	6619.4	6527.5	6544.2	6563.7	6591.6	6658.4	6756.0
27.5°	7288.1	7302.0	7104.2	6786.6	6647.3	6675.2	6703.0	6683.5	6714.2	6797.7
30°	7711.5	7719.9	7469.2	7048.5	6850.7	6864.6	6870.2	6789.4	6730.9	6797.7
32.5°	8213.0	8210.2	7912.1	7366.1	7081.9	7068.0	7020.6	6861.8	6725.3	6783.8
35°	8990.3	8959.7	8575.2	7811.8	7343.8	7257.4	7146.0	6942.6	6753.2	6769.9
37.5°	10277.4	10182.7	9650.6	8541.8	7733.8	7513.7	7349.4	7073.6	6814.5	6764.3
40°	11728.9	11609.1	11024.0	9541.9	8318.9	7965.1	7700.4	7260.2	6914.8	6789.4
42.5°	13450.6	13280.7	12651.1	10720.4	9059.9	8547.3	8148.9	7497.0	7062.4	6870.2
45°	15565.2	15339.5	14448.0	12049.3	9993.2	9310.7	8778.6	7856.4	7288.1	7026.2
47.5°	17702.0	17757.7	16490.1	13570.4	11113.2	10252.3	9567.0	8396.9	7616.8	7276.9
50°	19972.6	20011.6	18521.1	15255.9	12383.6	11316.6	10452.9	9001.4	8073.7	7633.5
52.5°	21744.4	21750.0	20365.4	17019.4	13706.9	12486.7	11408.5	9692.4	8603.0	8107.1
55°	22853.2	22839.3	21658.1	18688.2	15228.1	13715.3	12467.2	10478.0	9249.4	8664.3
57.5°	23658.4	23616.6	22549.6	20123.0	16849.5	15166.8	13665.1	11369.5	10012.7	9327.4
60°	23964.8	23939.8	23154.1	21362.8	18554.5	16771.5	15047.0	12366.9	10879.2	10110.3
62.5°	24081.8	24129.2	23747.5	22563.5	20379.3	18548.9	16565.3	13559.3	11854.3	10996.2
65°	24494.2	24580.5	24502.5	24134.8	22440.9	20630.0	18579.6	14977.3	12918.5	11946.2
67.5°	25310.5	25396.8	25430.3	26015.3	24959.4	23223.8	21092.5	16743.6	14163.8	12932.4
70°	25291.0	25265.9	25856.5	27511.4	28113.1	26814.9	24480.2	18916.7	15648.7	13751.5
72.5°	23020.4	22819.8	24215.6	27494.7	30737.5	30564.8	28617.4	21719.4	16930.3	13851.8
75°	17270.2	16735.3	19200.8	24778.3	31174.9	32693.3	31247.3	23457.8	16626.6	12238.7
77.5°	7385.6	6847.9	9753.7	18342.8	27901.4	30562.0	28834.7	20465.7	13272.3	8093.2
80°	1933.5	1930.7	2947.5	8316.1	18975.2	22569.1	19799.8	13216.6	7583.4	2891.8
82.5°	799.6	780.1	1083.7	3234.5	9271.7	12665.0	10335.9	5895.1	2738.6	782.9
85°	298.1	295.3	526.5	1117.2	3270.7	5223.7	3780.5	1507.2	682.6	381.7
87.5°	83.6	80.8	114.2	387.2	796.8	1209.1	646.3	248.0	192.2	150.4
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°
6006.5	0°	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5	6006.5
6017.7	2.5°	6026.0	6040.0	6065.0	6084.5	6109.6	6137.5	6176.5	6201.5	6226.6	6243.3
6031.6	5°	6051.1	6081.8	6145.8	6209.9	6285.1	6354.8	6435.6	6494.1	6541.4	6555.4
6081.8	7.5°	6106.8	6157.0	6265.6	6374.3	6494.1	6608.3	6725.3	6825.6	6906.4	6937.0
6170.9	10°	6204.3	6271.2	6424.4	6577.7	6736.5	6912.0	7062.4	7207.3	7321.5	7368.9
6276.8	12.5°	6326.9	6410.5	6611.1	6822.8	7042.9	7285.3	7480.3	7658.6	7800.7	7864.8
6424.4	15°	6485.7	6594.4	6850.7	7134.8	7458.0	7795.1	8043.1	8240.9	8399.7	8477.7
6577.7	17.5°	6658.4	6803.3	7126.5	7555.5	8018.0	8461.0	8750.7	8895.6	9059.9	9135.2
6719.7	20°	6825.6	7003.9	7466.4	8090.4	8706.1	9177.0	9411.0	9450.0	9461.1	9469.5
6853.5	22.5°	6998.3	7237.9	7892.6	8764.6	9424.9	9750.9	9784.3	9617.1	9383.1	9274.5
6984.4	25°	7187.8	7505.4	8449.8	9508.5	10043.4	10082.4	9826.1	9419.3	8976.4	8773.0
7090.3	27.5°	7371.7	7814.6	9118.5	10218.9	10489.1	10146.5	9594.9	9018.2	8483.3	8268.7
7165.5	30°	7555.5	8168.4	9856.7	10840.2	10692.5	9987.7	9229.9	8586.3	8048.6	7823.0
7232.4	32.5°	7742.2	8580.8	10706.4	11288.7	10656.3	9650.6	8775.8	8101.6	7628.0	7391.2
7290.9	35°	7953.9	9087.8	11511.6	11533.9	10413.9	9154.7	8176.8	7522.1	7109.8	6920.3
7360.5	37.5°	8229.7	9731.4	12222.0	11595.2	9990.5	8427.5	7432.9	6836.7	6496.9	6410.5
7463.6	40°	8572.4	10505.9	12765.3	11497.7	9363.6	7544.4	6619.4	6143.0	5950.8	5970.3
7602.9	42.5°	9018.2	11372.3	13147.0	11246.9	8491.6	6633.4	5906.2	5694.5	5786.4	5864.4
7811.8	45°	9597.6	12272.2	13383.8	10820.7	7505.4	5861.7	5485.6	5535.7	5605.4	5613.7
8148.9	47.5°	10338.7	13183.2	13539.8	10177.1	6499.6	5318.4	5218.1	5229.2	5215.3	5156.8
8653.2	50°	11263.6	14069.1	13679.1	9324.6	5644.4	4978.5	4844.8	4805.8	4613.6	4424.1
9324.6	52.5°	12316.7	14882.6	13737.6	8265.9	4978.5	4694.3	4477.0	4231.9	3872.5	3814.0
10168.8	55°	13486.8	15634.8	13587.1	6964.9	4418.5	4329.4	4000.6	3705.3	3666.3	3616.2
11280.4	57.5°	14885.4	16445.5	13280.7	5513.4	3844.6	3903.1	3582.7	3616.2	3546.5	3468.5
12709.6	60°	16414.9	17284.1	12743.0	4190.1	3251.2	3371.0	3474.1	3471.3	3451.8	3387.7
14216.8	62.5°	17791.1	17835.7	11684.3	3209.4	2730.2	2958.7	3240.1	3237.3	3220.6	3184.4
15790.8	65°	18610.2	17752.1	9918.0	2526.9	2301.2	2618.8	2922.5	2944.8	2947.5	2944.8
16974.9	67.5°	18465.4	16774.3	7494.2	2011.5	1947.4	2273.3	2607.7	2638.3	2660.6	2666.2
17125.3	70°	16827.2	14626.3	4886.6	1604.7	1632.6	1969.7	2309.6	2340.2	2359.7	2382.0
14860.3	72.5°	13116.3	10753.8	2797.1	1298.3	1356.8	1707.8	2014.2	2050.5	2061.6	2103.4
10341.5	75°	7992.9	6324.1	1510.0	1022.4	1114.4	1459.8	1721.7	1763.5	1783.0	1833.2
5078.8	77.5°	3800.1	2738.6	860.9	796.8	897.1	1192.4	1454.3	1501.6	1448.7	1476.6
1401.3	80°	1284.3	1016.9	543.3	607.3	685.3	930.5	1164.5	1211.9	1100.5	1094.9
465.3	82.5°	448.5	412.3	345.5	404.0	443.0	665.8	880.4	941.7	819.1	816.3
208.9	85°	175.5	167.2	192.2	220.1	264.7	409.5	579.5	610.1	504.3	406.8
61.3	87.5°	36.2	39.0	47.4	50.1	80.8	142.1	208.9	256.3	203.4	172.7
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°
6006.5
6232.2
6560.9
6939.8
7371.7
7864.8
8472.1
9132.4
9491.8
9305.1
8803.6
8293.8
7848.1
7421.8
6962.1
6471.8
6037.2
5936.9
5669.4
5201.4
4449.2
3833.5
3624.5
3454.6
3365.4
3170.4
2944.8
2671.7
2393.1
2120.1
1838.7
1454.3
1083.7
777.3
401.2
158.8
0.0

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