

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: P849673

Luminaire Tested: **GLAN-SB6D-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849673
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-SB6D-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 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: 48771 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

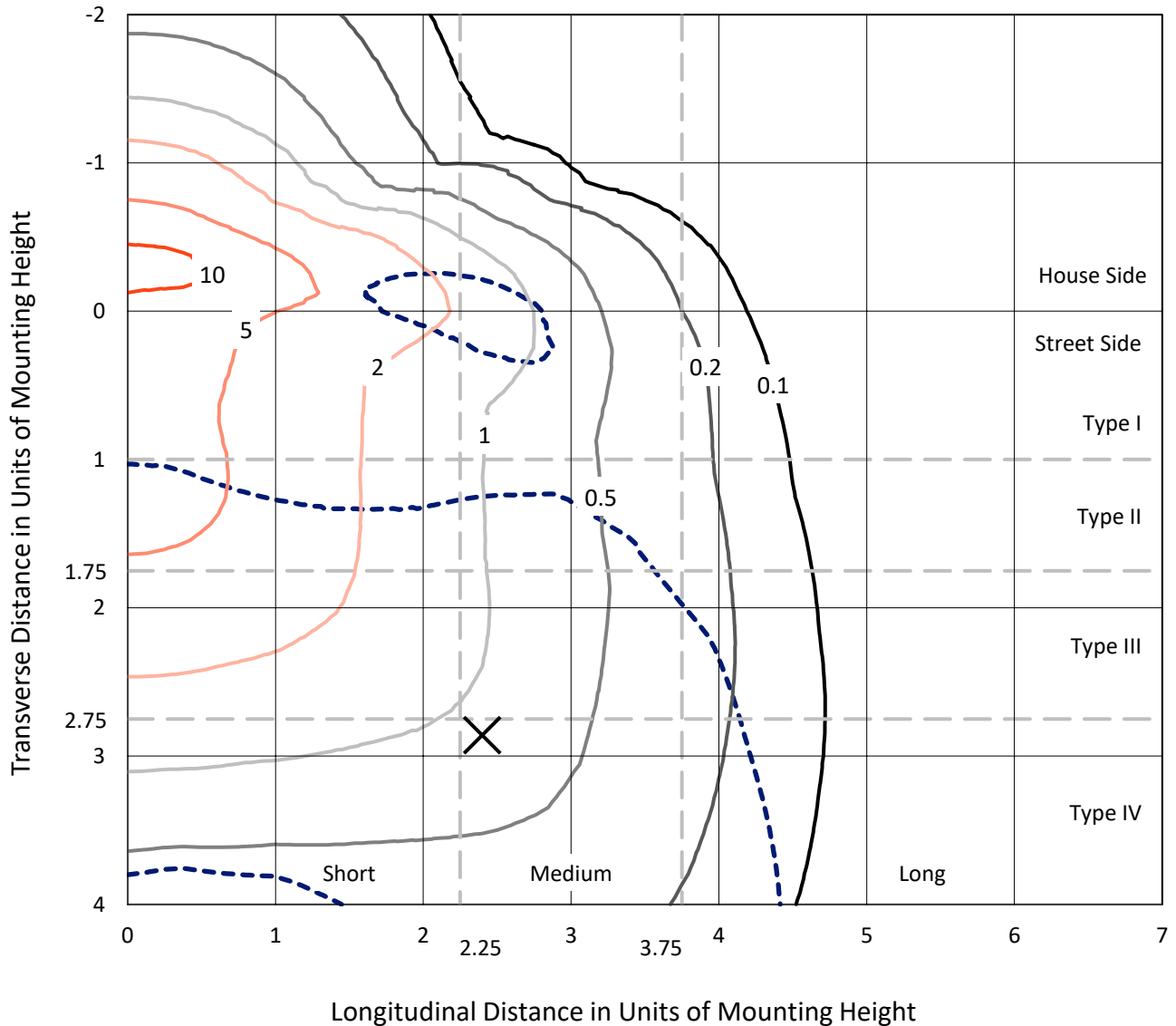
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

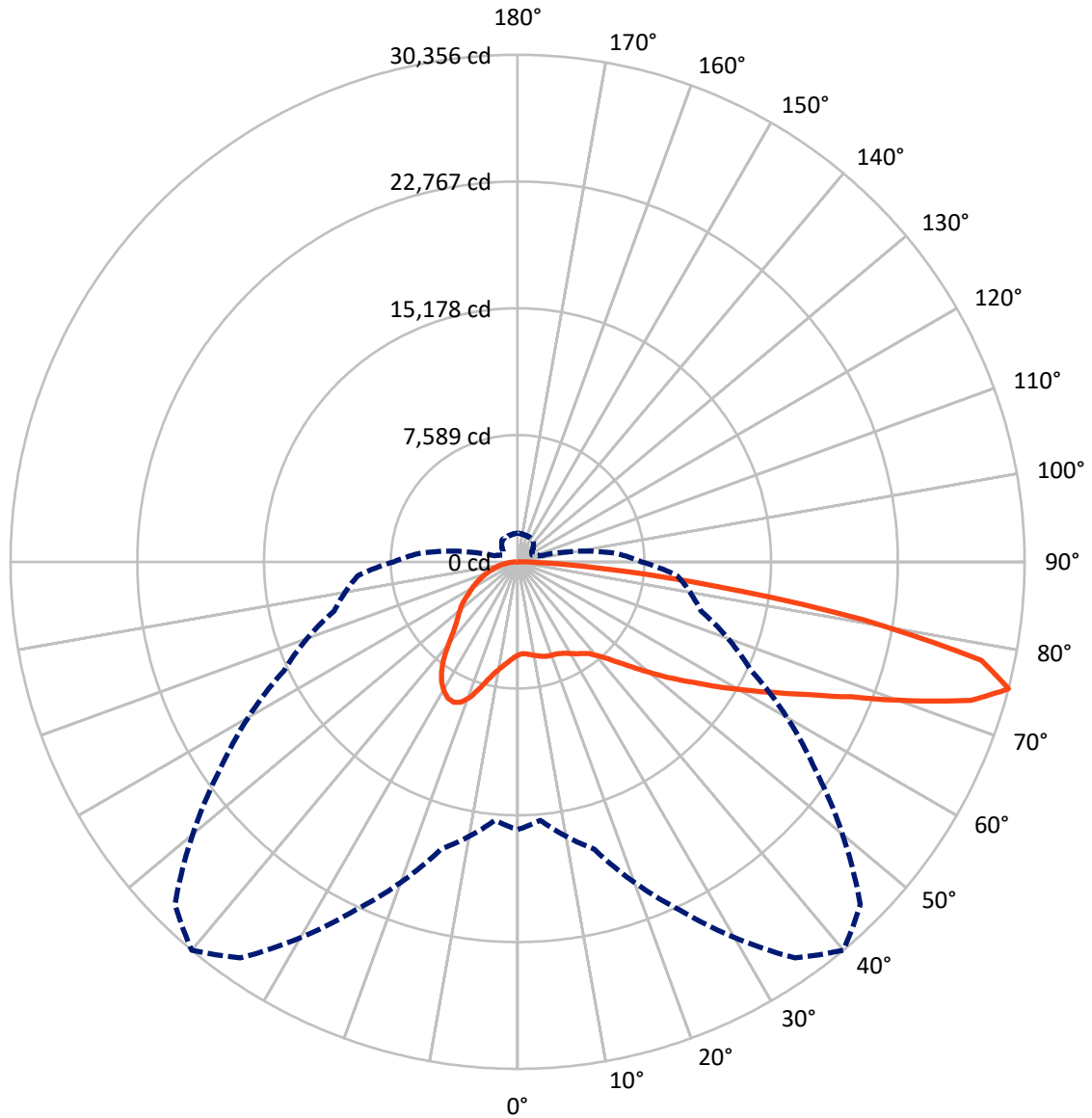
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 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	15110.9	0.0	15110.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	33660.1	0.0	33660.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	48771.0	0.0	48771.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.7	1.1
10°-20°	1869.1	3.8
20°-30°	3412.8	7.0
30°-40°	4840.3	9.9
40°-50°	6535.8	13.4
50°-60°	8792.4	18.0
60°-70°	11159.6	22.9
70°-80°	10128.0	20.8
80°-90°	1476.3	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°	48771.0	100.0
0°-180°	48771.0	100.0

Coefficient of Utilization

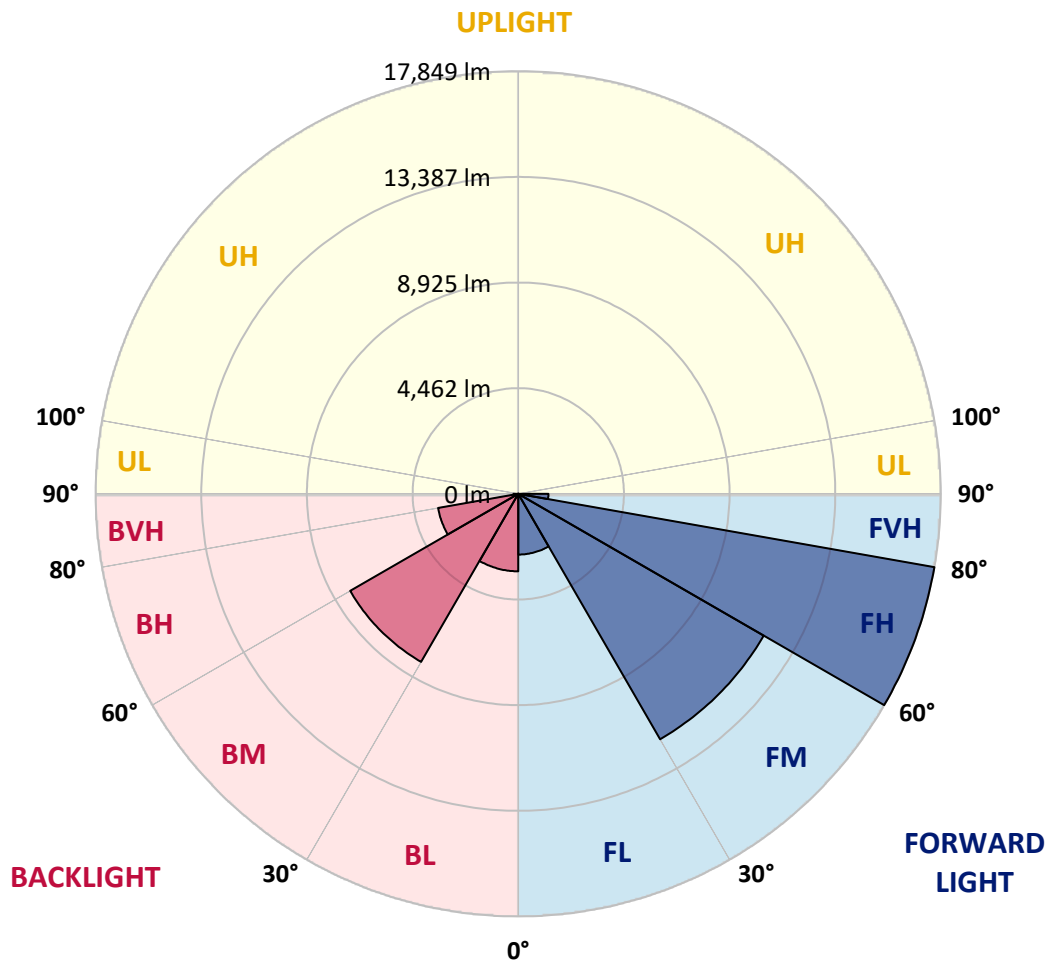


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2565.4	5.3			
FM (30°-60°)	11972.2	24.5			
FH (60°-80°)	17849.4	36.6			G5
FVH (80°-90°)	1273.1	2.6			G5
BL (0°-30°)	3273.2	6.7	B4/5000		
BM (30°-60°)	8196.3	16.8	B4/8500		
BH (60°-80°)	3438.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	203.3	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5577.0	5577.0	5577.0	5577.0	5577.0	5577.0	5577.0	5577.0	5577.0	5577.0
2.5°	5491.7	5522.7	5514.9	5504.6	5504.6	5507.2	5504.6	5522.7	5540.8	5558.9
5°	5548.6	5579.6	5564.1	5551.2	5540.8	5538.2	5530.5	5527.9	5538.2	5561.5
7.5°	5659.8	5690.8	5667.6	5644.3	5623.6	5613.2	5602.9	5587.4	5579.6	5592.5
10°	5784.0	5815.0	5786.6	5745.2	5711.5	5698.6	5688.3	5672.7	5662.4	5670.2
12.5°	5908.1	5939.2	5900.4	5843.5	5799.5	5791.7	5778.8	5773.6	5771.0	5768.4
15°	6024.5	6050.4	6001.3	5934.0	5887.4	5874.5	5861.6	5869.3	5882.3	5897.8
17.5°	6115.1	6140.9	6068.5	5980.6	5936.6	5931.4	5923.7	5949.5	5985.7	6024.5
20°	6197.8	6223.7	6130.6	6011.6	5959.9	5959.9	5962.5	6016.8	6068.5	6125.4
22.5°	6314.3	6334.9	6221.1	6058.2	5983.1	5988.3	6009.0	6063.3	6128.0	6205.6
25°	6487.6	6503.1	6363.4	6146.1	6060.8	6076.3	6094.4	6120.2	6182.3	6272.9
27.5°	6766.9	6779.9	6596.2	6301.3	6172.0	6197.8	6223.7	6205.6	6234.1	6311.7
30°	7160.1	7167.9	6935.1	6544.5	6360.8	6373.7	6378.9	6303.9	6249.6	6311.7
32.5°	7625.7	7623.1	7346.4	6839.4	6575.5	6562.6	6518.6	6371.2	6244.4	6298.7
35°	8347.4	8319.0	7962.0	7253.2	6818.7	6738.5	6635.0	6446.2	6270.3	6285.8
37.5°	9542.5	9454.6	8960.5	7931.0	7180.8	6976.5	6823.8	6567.8	6327.2	6280.6
40°	10890.2	10779.0	10235.8	8859.6	7724.0	7395.5	7149.8	6741.1	6420.3	6303.9
42.5°	12488.8	12331.0	11746.4	9953.8	8412.1	7936.1	7566.2	6960.9	6557.4	6378.9
45°	14452.2	14242.6	13414.9	11187.7	9278.7	8644.9	8150.8	7294.6	6766.9	6523.8
47.5°	16436.2	16487.9	15311.0	12600.0	10318.5	9519.2	8882.9	7796.5	7072.2	6756.6
50°	18544.4	18580.6	17196.7	14165.0	11498.1	10507.4	9705.5	8357.8	7496.4	7087.7
52.5°	20189.6	20194.7	18909.1	15802.4	12726.8	11593.8	10592.7	8999.3	7987.9	7527.4
55°	21219.1	21206.2	20109.4	17351.9	14139.2	12734.6	11575.7	9728.8	8588.0	8044.8
57.5°	21966.7	21927.9	20937.1	18684.1	15644.7	14082.3	12688.0	10556.5	9296.8	8660.4
60°	22251.2	22227.9	21498.5	19835.2	17227.7	15572.2	13971.0	11482.6	10101.3	9387.3
62.5°	22359.9	22403.8	22049.4	20950.1	18922.1	17222.6	15380.8	12589.7	11006.6	10209.9
65°	22742.7	22822.9	22750.4	22409.0	20836.3	19154.9	17251.0	13906.4	11994.8	11092.0
67.5°	23500.6	23580.8	23611.8	24155.1	23174.7	21563.1	19584.3	15546.4	13151.0	12007.7
70°	23482.5	23459.2	24007.6	25544.1	26102.9	24897.5	22729.8	17564.0	14529.8	12768.2
72.5°	21374.3	21188.1	22484.0	25528.6	28539.6	28379.2	26571.1	20166.3	15719.7	12861.3
75°	16035.3	15538.6	17827.9	23006.5	28945.7	30355.5	29013.0	21780.4	15437.7	11363.6
77.5°	6857.5	6358.2	9056.2	17031.1	25906.3	28376.6	26772.8	19002.3	12323.3	7514.5
80°	1795.2	1792.6	2736.8	7721.4	17618.3	20955.2	18384.0	12271.5	7041.1	2685.0
82.5°	742.4	724.3	1006.2	3003.2	8608.7	11759.4	9596.8	5473.6	2542.8	726.9
85°	276.8	274.2	488.9	1037.3	3036.8	4850.2	3510.2	1399.4	633.8	354.4
87.5°	77.6	75.0	106.1	359.6	739.8	1122.6	600.1	230.2	178.5	139.7
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°
5577.0	0°	5577.0	5577.0	5577.0	5577.0	5577.0	5577.0	5577.0	5577.0	5577.0	5577.0
5587.4	2.5°	5595.1	5608.1	5631.4	5649.5	5672.7	5698.6	5734.8	5758.1	5781.4	5796.9
5600.3	5°	5618.4	5646.9	5706.4	5765.9	5835.7	5900.4	5975.4	6029.7	6073.7	6086.6
5646.9	7.5°	5670.2	5716.7	5817.6	5918.5	6029.7	6135.8	6244.4	6337.5	6412.5	6441.0
5729.6	10°	5760.7	5822.8	5965.0	6107.3	6254.8	6417.7	6557.4	6691.9	6798.0	6841.9
5827.9	12.5°	5874.5	5952.1	6138.4	6334.9	6539.3	6764.3	6945.4	7111.0	7242.9	7302.4
5965.0	15°	6021.9	6122.8	6360.8	6624.7	6924.7	7237.7	7467.9	7651.6	7799.0	7871.5
6107.3	17.5°	6182.3	6316.8	6616.9	7015.3	7444.7	7856.0	8125.0	8259.5	8412.1	8481.9
6239.2	20°	6337.5	6503.1	6932.5	7511.9	8083.6	8520.7	8738.0	8774.2	8784.6	8792.4
6363.4	22.5°	6497.9	6720.4	7328.3	8137.9	8751.0	9053.6	9084.7	8929.5	8712.2	8611.3
6485.0	25°	6673.8	6968.7	7845.6	8828.6	9325.2	9361.4	9123.5	8745.8	8334.5	8145.7
6583.3	27.5°	6844.5	7255.8	8466.4	9488.2	9739.1	9420.9	8908.8	8373.3	7876.6	7677.5
6653.1	30°	7015.3	7584.3	9151.9	10065.0	9927.9	9273.5	8569.9	7972.4	7473.1	7263.6
6715.2	32.5°	7188.6	7967.2	9940.9	10481.5	9894.3	8960.5	8148.3	7522.3	7082.5	6862.6
6769.5	35°	7385.2	8438.0	10688.4	10709.1	9669.3	8500.1	7592.1	6984.2	6601.4	6425.5
6834.2	37.5°	7641.3	9035.5	11348.1	10766.0	9276.1	7824.9	6901.4	6347.9	6032.3	5952.1
6929.9	40°	7959.4	9754.6	11852.5	10675.5	8694.1	7004.9	6146.1	5703.8	5525.3	5543.4
7059.2	42.5°	8373.3	10559.1	12206.9	10442.7	7884.4	6159.0	5483.9	5287.3	5372.7	5445.1
7253.2	45°	8911.3	11394.6	12426.7	10046.9	6968.7	5442.5	5093.3	5139.9	5204.5	5212.3
7566.2	47.5°	9599.4	12240.5	12571.6	9449.4	6034.9	4938.1	4845.0	4855.3	4842.4	4788.1
8034.4	50°	10458.2	13063.1	12700.9	8657.8	5240.8	4622.5	4498.4	4462.1	4283.7	4107.8
8657.8	52.5°	11436.0	13818.4	12755.3	7674.9	4622.5	4358.7	4156.9	3929.3	3595.6	3541.3
9441.6	55°	12522.4	14516.8	12615.6	6466.9	4102.6	4019.8	3714.6	3440.4	3404.2	3357.6
10473.7	57.5°	13821.0	15269.6	12331.0	5119.2	3569.7	3624.0	3326.6	3357.6	3292.9	3220.5
11800.7	60°	15241.1	16048.2	11831.8	3890.5	3018.7	3130.0	3225.7	3223.1	3205.0	3145.5
13200.2	62.5°	16519.0	16560.4	10848.8	2979.9	2535.0	2747.1	3008.4	3005.8	2990.3	2956.7
14661.7	65°	17279.5	16482.8	9208.8	2346.2	2136.7	2431.5	2713.5	2734.2	2736.8	2734.2
15761.1	67.5°	17145.0	15574.8	6958.4	1867.6	1808.1	2110.8	2421.2	2449.7	2470.3	2475.5
15900.7	70°	15624.0	13580.4	4537.2	1490.0	1515.8	1828.8	2144.4	2172.9	2191.0	2211.7
13797.7	72.5°	12178.4	9984.8	2597.1	1205.4	1259.7	1585.7	1870.2	1903.8	1914.2	1953.0
9602.0	75°	7421.4	5871.9	1402.0	949.3	1034.7	1355.5	1598.6	1637.4	1655.5	1702.1
4715.6	77.5°	3528.3	2542.8	799.3	739.8	832.9	1107.1	1350.3	1394.3	1345.1	1371.0
1301.1	80°	1192.5	944.2	504.4	563.9	636.3	864.0	1081.3	1125.2	1021.8	1016.6
432.0	82.5°	416.5	382.8	320.8	375.1	411.3	618.2	817.4	874.3	760.5	757.9
194.0	85°	163.0	155.2	178.5	204.4	245.7	380.3	538.0	566.5	468.2	377.7
56.9	87.5°	33.6	36.2	44.0	46.6	75.0	131.9	194.0	238.0	188.8	160.4
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°
5577.0
5786.6
6091.8
6443.6
6844.5
7302.4
7866.3
8479.4
8813.1
8639.7
8174.1
7700.7
7286.9
6891.1
6464.3
6009.0
5605.5
5512.4
5264.0
4829.5
4131.0
3559.4
3365.4
3207.6
3124.8
2943.7
2734.2
2480.7
2222.0
1968.5
1707.3
1350.3
1006.2
721.7
372.5
147.4
0.0

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