

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: P849013

Luminaire Tested: **GLAN-SB5D-835-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849013
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-SB5D-835-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 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: 42189 lumens
Efficiency: N/A
Efficacy: 115.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

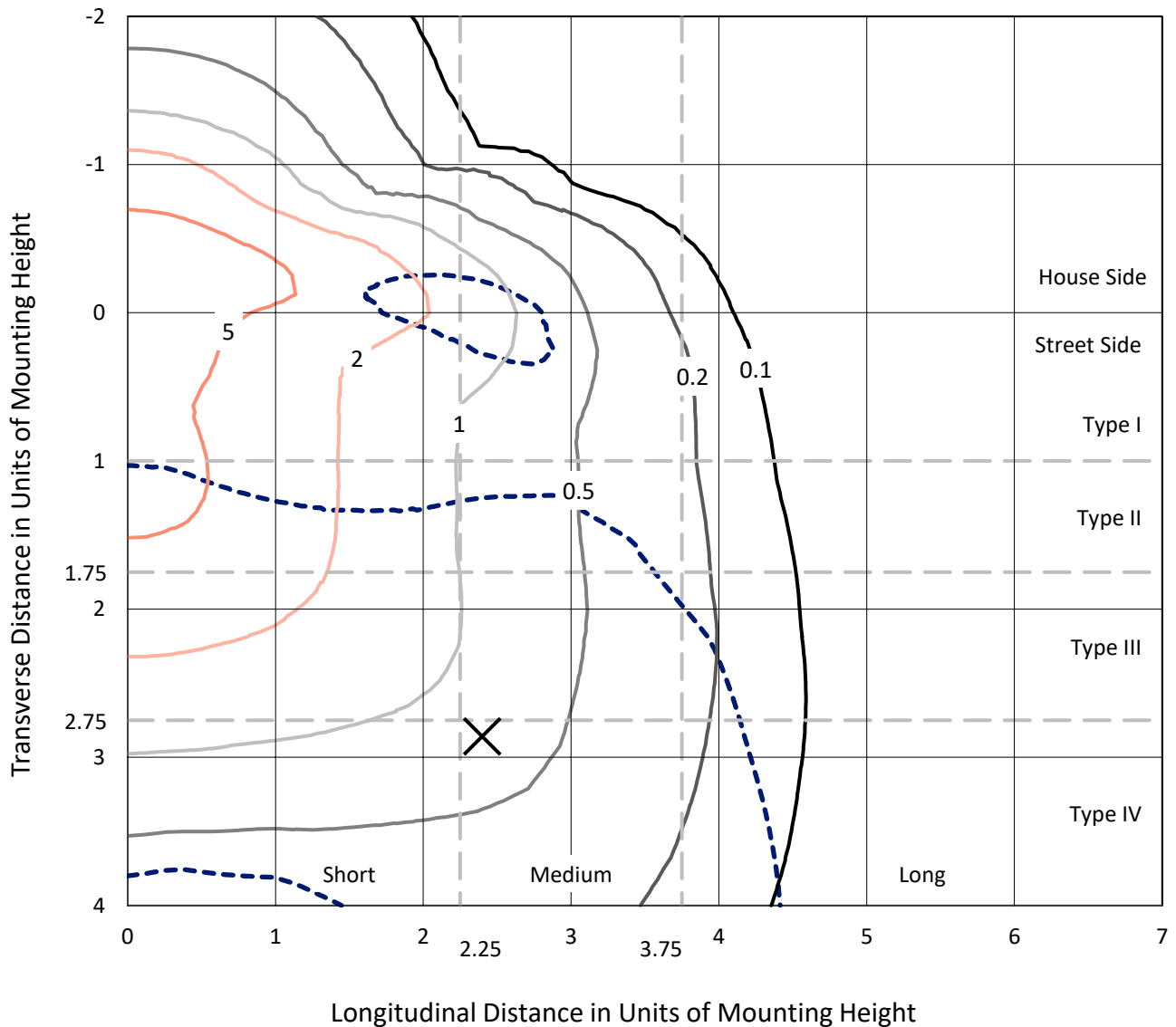
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

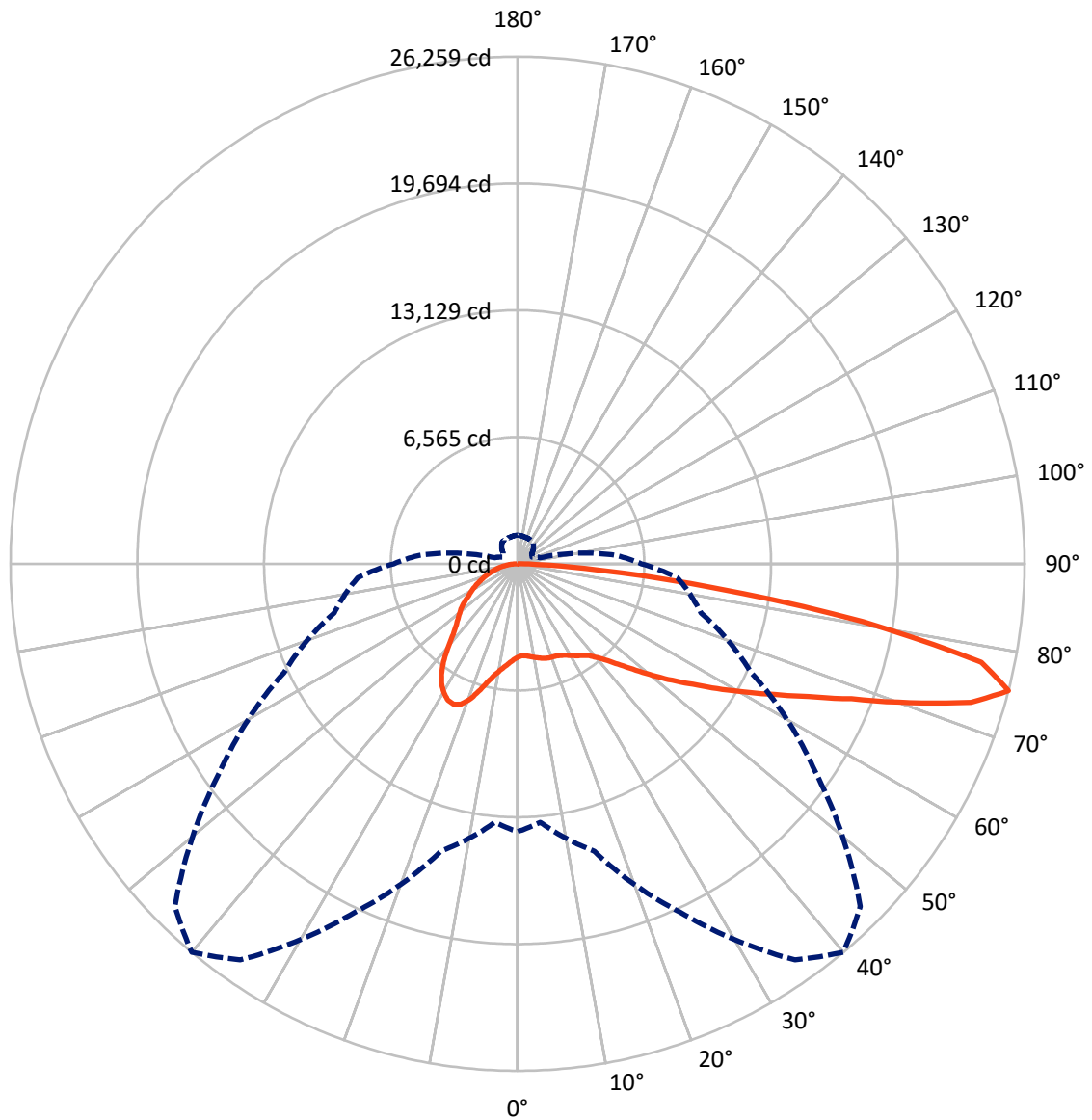
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	13071.6	0.0	13071.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	29117.4	0.0	29117.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	42189.0	0.0	42189.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	481.6	1.1
10°-20°	1616.8	3.8
20°-30°	2952.2	7.0
30°-40°	4187.0	9.9
40°-50°	5653.8	13.4
50°-60°	7605.8	18.0
60°-70°	9653.5	22.9
70°-80°	8761.2	20.8
80°-90°	1277.1	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°	42189.0	100.0
0°-180°	42189.0	100.0

Coefficient of Utilization

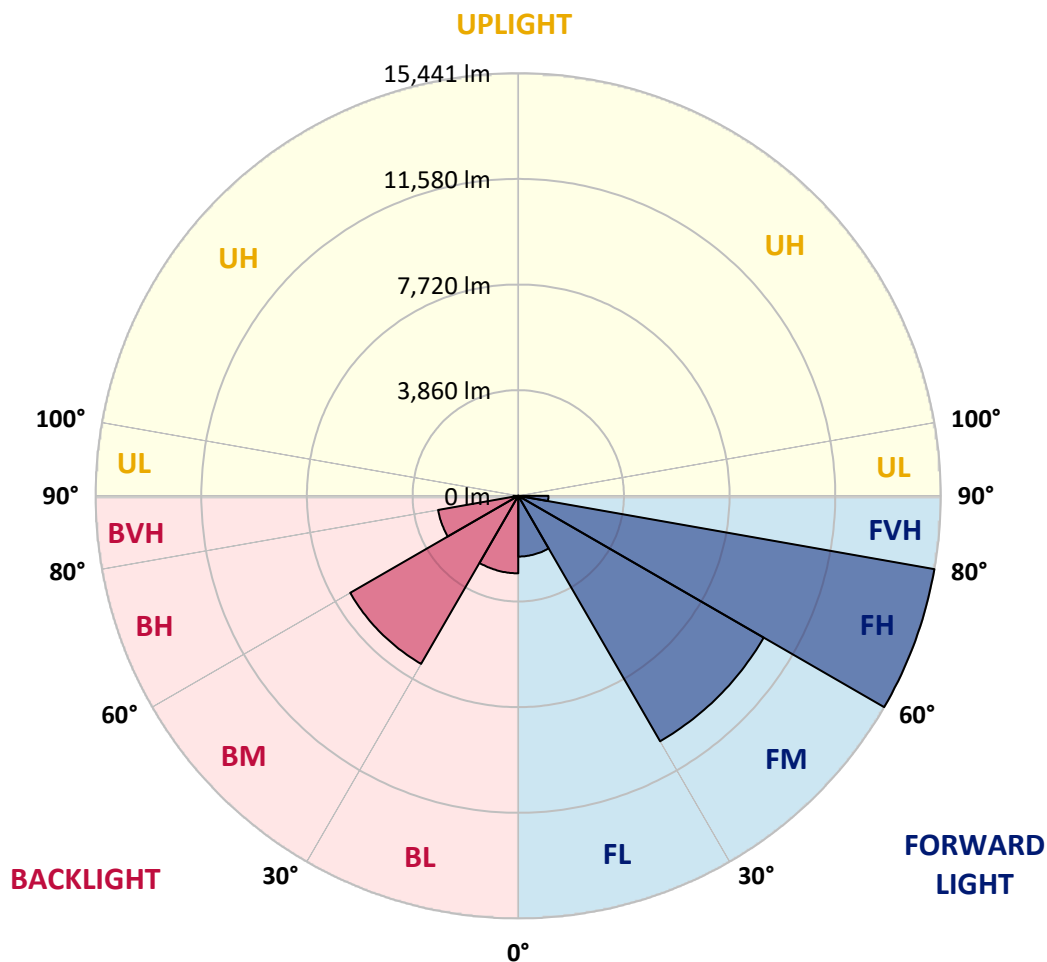


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2219.2	5.3			
FM (30°-60°)	10356.4	24.5			
FH (60°-80°)	15440.5	36.6			G5
FVH (80°-90°)	1101.3	2.6			G5
BL (0°-30°)	2831.4	6.7	B4/5000		
BM (30°-60°)	7090.1	16.8	B4/8500		
BH (60°-80°)	2974.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	175.8	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°	4824.4	4824.4	4824.4	4824.4	4824.4	4824.4	4824.4	4824.4	4824.4	4824.4
2.5°	4750.5	4777.4	4770.7	4761.7	4761.7	4761.7	4761.7	4777.4	4793.0	4808.7
5°	4799.8	4826.6	4813.2	4802.0	4793.0	4793.0	4784.1	4781.9	4790.8	4810.9
7.5°	4896.0	4922.8	4902.7	4882.5	4864.6	4855.7	4846.7	4833.3	4826.6	4837.8
10°	5003.4	5030.2	5005.6	4969.8	4940.7	4929.5	4920.6	4907.2	4898.2	4904.9
12.5°	5110.8	5137.6	5104.1	5054.8	5016.8	5010.1	4998.9	4994.4	4992.2	4990.0
15°	5211.5	5233.9	5191.3	5133.2	5092.9	5081.7	5070.5	5077.2	5088.4	5101.8
17.5°	5289.8	5312.2	5249.5	5173.4	5135.4	5130.9	5124.2	5146.6	5177.9	5211.5
20°	5361.4	5383.8	5303.2	5200.3	5155.5	5155.5	5157.8	5204.8	5249.5	5298.7
22.5°	5462.1	5480.0	5381.5	5240.6	5175.7	5180.2	5198.1	5245.0	5301.0	5368.1
25°	5612.0	5625.4	5504.6	5316.7	5242.8	5256.2	5271.9	5294.3	5348.0	5426.3
27.5°	5853.7	5864.9	5706.0	5450.9	5339.0	5361.4	5383.8	5368.1	5392.7	5459.9
30°	6193.8	6200.5	5999.1	5661.2	5502.4	5513.6	5518.0	5453.1	5406.2	5459.9
32.5°	6596.6	6594.3	6354.9	5916.3	5688.1	5676.9	5638.9	5511.3	5401.7	5448.7
35°	7220.9	7196.3	6887.5	6274.4	5898.4	5829.1	5739.6	5576.2	5424.1	5437.5
37.5°	8254.7	8178.6	7751.2	6860.6	6211.7	6034.9	5902.9	5681.4	5473.3	5433.0
40°	9420.5	9324.3	8854.4	7663.9	6681.6	6397.4	6184.9	5831.3	5553.8	5453.1
42.5°	10803.4	10666.9	10161.2	8610.5	7276.8	6865.1	6545.1	6021.5	5672.4	5518.0
45°	12501.7	12320.5	11604.4	9677.8	8026.4	7478.2	7050.8	6310.2	5853.7	5643.3
47.5°	14218.0	14262.8	13244.6	10899.6	8926.0	8234.5	7684.1	6744.3	6117.7	5844.7
50°	16041.7	16073.0	14875.9	12253.4	9946.3	9089.3	8395.7	7229.8	6484.7	6131.2
52.5°	17464.8	17469.3	16357.2	13669.8	11009.2	10029.1	9163.2	7784.8	6909.9	6511.6
55°	18355.4	18344.2	17395.5	15010.1	12231.0	11015.9	10013.5	8415.8	7429.0	6959.1
57.5°	19002.1	18968.5	18111.5	16162.5	13533.3	12181.8	10975.7	9131.8	8042.1	7491.6
60°	19248.2	19228.1	18597.1	17158.3	14902.7	13470.6	12085.5	9932.9	8738.0	8120.4
62.5°	19342.2	19380.3	19073.7	18122.7	16368.4	14898.3	13305.1	10890.6	9521.2	8832.0
65°	19673.4	19742.8	19680.1	19384.7	18024.3	16569.8	14922.9	12029.6	10376.0	9595.0
67.5°	20329.0	20398.4	20425.2	20895.2	20047.1	18653.0	16941.2	13448.3	11376.2	10387.2
70°	20313.4	20293.2	20767.6	22096.8	22580.1	21537.4	19662.2	15193.6	12568.9	11045.0
72.5°	18489.7	18328.6	19449.6	22083.3	24688.0	24549.2	22985.1	17444.7	13598.2	11125.6
75°	13871.2	13441.5	15421.9	19901.6	25039.3	26258.8	25097.5	18841.0	13354.3	9830.0
77.5°	5932.0	5500.1	7834.0	14732.7	22410.0	24547.0	23159.7	16437.8	10660.2	6500.4
80°	1552.9	1550.7	2367.4	6679.4	15240.6	18127.2	15903.0	10615.4	6090.9	2322.7
82.5°	642.2	626.5	870.4	2597.9	7446.9	10172.3	8301.7	4734.9	2199.6	628.8
85°	239.4	237.2	422.9	897.3	2627.0	4195.6	3036.5	1210.6	548.2	306.6
87.5°	67.1	64.9	91.7	311.0	640.0	971.1	519.1	199.2	154.4	120.8
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°
4824.4	0°	4824.4	4824.4	4824.4	4824.4	4824.4	4824.4	4824.4	4824.4	4824.4	4824.4
4833.3	2.5°	4840.0	4851.2	4871.4	4887.0	4907.2	4929.5	4960.9	4981.0	5001.1	5014.6
4844.5	5°	4860.2	4884.8	4936.3	4987.7	5048.1	5104.1	5169.0	5216.0	5254.0	5265.2
4884.8	7.5°	4904.9	4945.2	5032.5	5119.7	5216.0	5307.7	5401.7	5482.2	5547.1	5571.7
4956.4	10°	4983.2	5036.9	5160.0	5283.1	5410.6	5551.6	5672.4	5788.8	5880.5	5918.6
5041.4	12.5°	5081.7	5148.8	5309.9	5480.0	5656.8	5851.4	6008.1	6151.3	6265.4	6316.9
5160.0	15°	5209.2	5296.5	5502.4	5730.6	5990.2	6260.9	6460.1	6619.0	6746.5	6809.2
5283.1	17.5°	5348.0	5464.3	5723.9	6068.5	6439.9	6795.7	7028.5	7144.8	7276.8	7337.2
5397.2	20°	5482.2	5625.4	5996.9	6498.1	6992.6	7370.8	7558.8	7590.1	7599.1	7605.8
5504.6	22.5°	5621.0	5813.4	6339.3	7039.6	7570.0	7831.8	7858.6	7724.4	7536.4	7449.1
5609.8	25°	5773.1	6028.2	6786.8	7637.1	8066.7	8098.0	7892.2	7565.5	7209.7	7046.4
5694.8	27.5°	5920.8	6276.6	7323.8	8207.7	8424.7	8149.5	7706.5	7243.3	6813.6	6641.3
5755.2	30°	6068.5	6560.8	7916.8	8706.7	8588.1	8022.0	7413.3	6896.4	6464.6	6283.3
5808.9	32.5°	6218.4	6892.0	8599.3	9066.9	8559.0	7751.2	7048.6	6507.1	6126.7	5936.5
5855.9	35°	6388.5	7299.2	9246.0	9263.9	8364.3	7352.9	6567.5	6041.6	5710.5	5558.3
5911.9	37.5°	6610.0	7816.1	9816.6	9313.1	8024.2	6768.9	5970.0	5491.2	5218.2	5148.8
5994.7	40°	6885.2	8438.2	10252.9	9234.8	7520.7	6059.5	5316.7	4934.0	4779.6	4795.3
6106.5	42.5°	7243.3	9134.1	10559.5	9033.4	6820.4	5327.8	4743.8	4573.8	4647.6	4710.2
6274.4	45°	7708.7	9856.8	10749.7	8691.0	6028.2	4708.0	4405.9	4446.2	4502.1	4508.9
6545.1	47.5°	8303.9	10588.5	10875.0	8174.1	5220.4	4271.7	4191.1	4200.1	4188.9	4141.9
6950.1	50°	9046.8	11300.1	10986.9	7489.4	4533.5	3998.7	3891.3	3859.9	3705.5	3553.4
7489.4	52.5°	9892.6	11953.5	11033.8	6639.1	3998.7	3770.4	3595.9	3399.0	3110.3	3063.3
8167.4	55°	10832.5	12557.7	10913.0	5594.1	3548.9	3477.3	3213.3	2976.1	2944.7	2904.5
9060.2	57.5°	11955.8	13208.8	10666.9	4428.3	3088.0	3134.9	2877.6	2904.5	2848.5	2785.9
10208.1	60°	13184.2	13882.4	10235.0	3365.4	2611.3	2707.6	2790.3	2788.1	2772.4	2721.0
11418.7	62.5°	14289.6	14325.4	9384.7	2577.8	2192.9	2376.4	2602.4	2600.1	2586.7	2557.6
12683.0	65°	14947.5	14258.3	7966.0	2029.5	1848.3	2103.4	2347.3	2365.2	2367.4	2365.2
13634.0	67.5°	14831.1	13472.9	6019.3	1615.6	1564.1	1825.9	2094.4	2119.1	2137.0	2141.4
13754.8	70°	13515.4	11747.7	3924.8	1288.9	1311.3	1582.0	1855.0	1879.6	1895.3	1913.2
11935.6	72.5°	10534.8	8637.3	2246.6	1042.7	1089.7	1371.7	1617.8	1646.9	1655.9	1689.4
8306.1	75°	6419.8	5079.5	1212.8	821.2	895.1	1172.5	1382.9	1416.4	1432.1	1472.4
4079.2	77.5°	3052.2	2199.6	691.4	640.0	720.5	957.7	1168.1	1206.1	1163.6	1186.0
1125.5	80°	1031.6	816.7	436.3	487.8	550.5	747.4	935.3	973.4	883.9	879.4
373.7	82.5°	360.3	331.2	277.5	324.5	355.8	534.8	707.1	756.3	657.9	655.6
167.8	85°	141.0	134.3	154.4	176.8	212.6	328.9	465.4	490.0	405.0	326.7
49.2	87.5°	29.1	31.3	38.0	40.3	64.9	114.1	167.8	205.9	163.3	138.7
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°
4824.4
5005.6
5269.7
5574.0
5920.8
6316.9
6804.7
7335.0
7623.7
7473.7
7071.0
6661.5
6303.5
5961.1
5591.9
5198.1
4849.0
4768.4
4553.6
4177.7
3573.5
3079.0
2911.2
2774.7
2703.1
2546.4
2365.2
2145.9
1922.1
1702.8
1476.8
1168.1
870.4
624.3
322.2
127.5
0.0

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