

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: P848273

Luminaire Tested: **GLAN-SB4D-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848273
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-SB4D-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 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: 39671 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

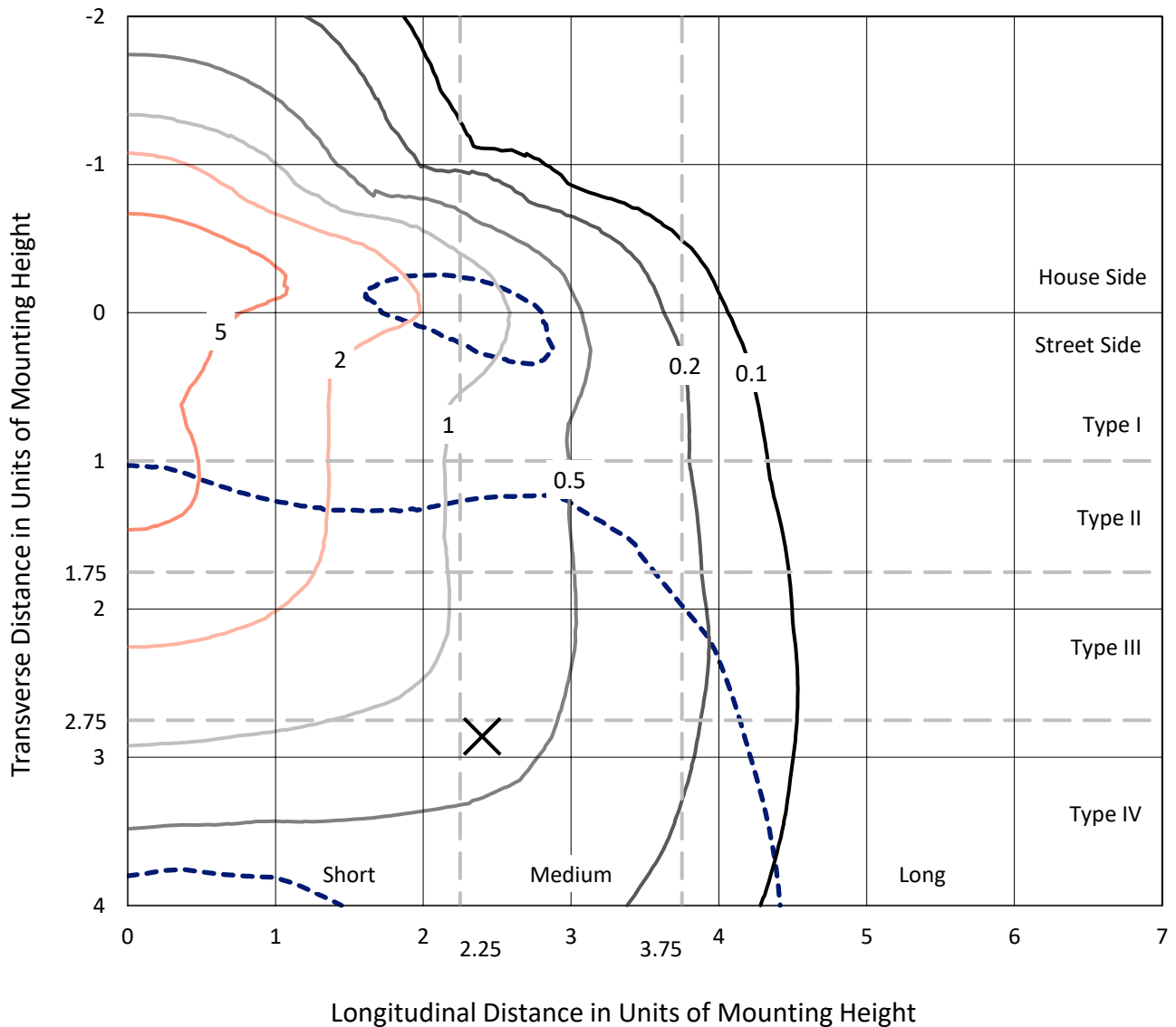
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

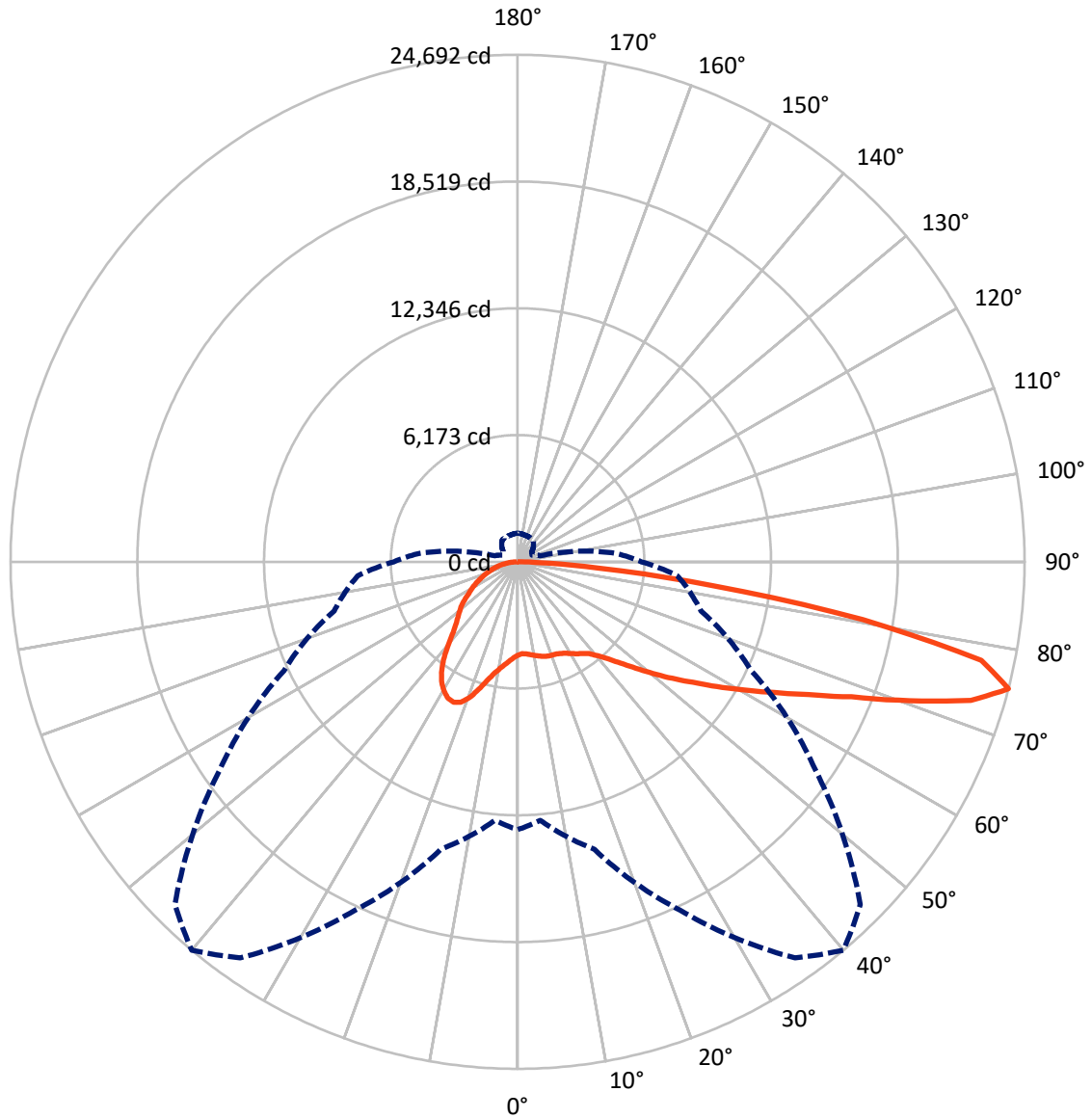
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	12291.4	0.0	12291.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	27379.6	0.0	27379.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	39671.0	0.0	39671.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.8	1.1
10°-20°	1520.3	3.8
20°-30°	2776.0	7.0
30°-40°	3937.1	9.9
40°-50°	5316.3	13.4
50°-60°	7151.9	18.0
60°-70°	9077.4	22.9
70°-80°	8238.3	20.8
80°-90°	1200.9	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°	39671.0	100.0
0°-180°	39671.0	100.0

Coefficient of Utilization

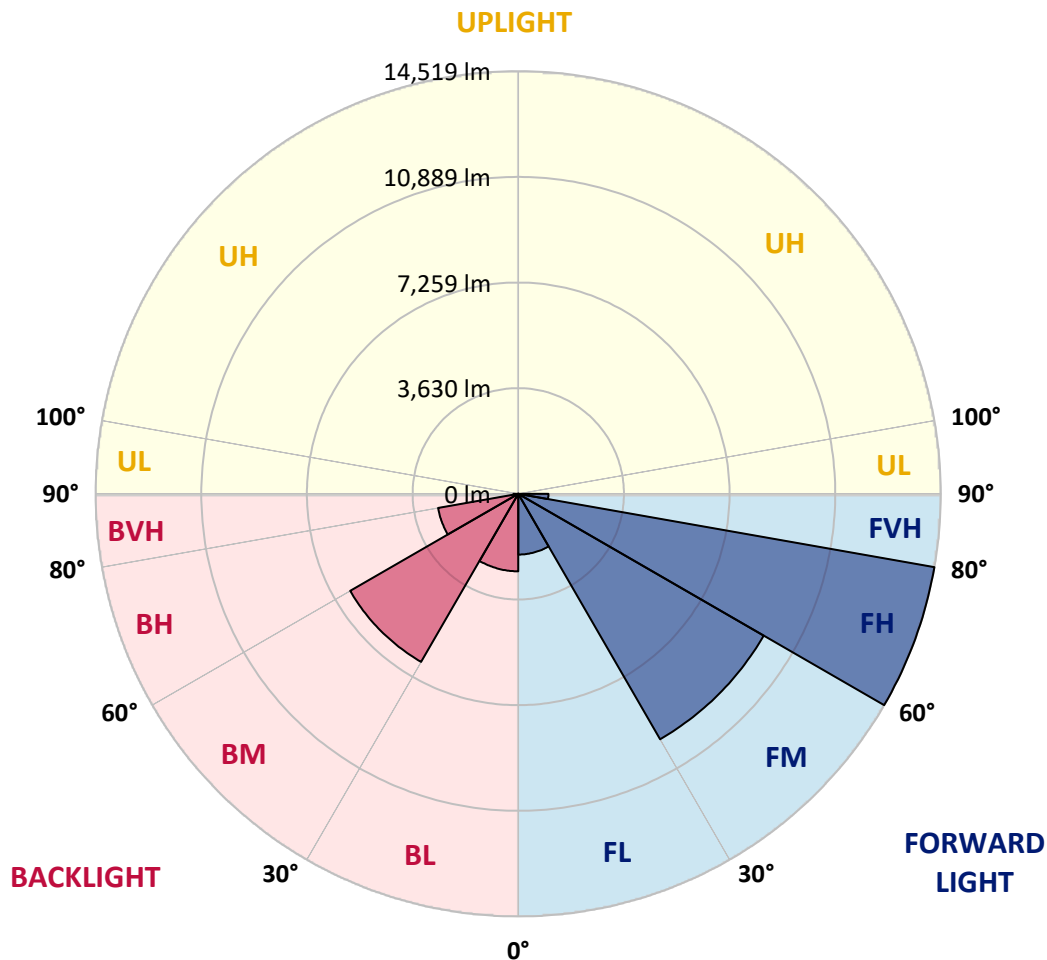


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2086.7	5.3			
FM (30°-60°)	9738.3	24.5			
FH (60°-80°)	14519.0	36.6			G5
FVH (80°-90°)	1035.5	2.6			G5
BL (0°-30°)	2662.4	6.7	B4/5000		
BM (30°-60°)	6667.0	16.8	B4/8500		
BH (60°-80°)	2796.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	165.3	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°	4536.4	4536.4	4536.4	4536.4	4536.4	4536.4	4536.4	4536.4	4536.4	4536.4
2.5°	4467.0	4492.2	4485.9	4477.5	4477.5	4479.6	4477.5	4492.2	4507.0	4521.7
5°	4513.3	4538.5	4525.9	4515.4	4507.0	4504.9	4498.6	4496.5	4504.9	4523.8
7.5°	4603.8	4629.0	4610.1	4591.1	4574.3	4565.9	4557.5	4544.8	4538.5	4549.1
10°	4704.8	4730.0	4706.9	4673.2	4645.8	4635.3	4626.9	4614.3	4605.9	4612.2
12.5°	4805.8	4831.0	4799.4	4753.2	4717.4	4711.1	4700.6	4696.3	4694.2	4692.1
15°	4900.4	4921.5	4881.5	4826.8	4788.9	4778.4	4767.9	4774.2	4784.7	4797.3
17.5°	4974.1	4995.1	4936.2	4864.7	4828.9	4824.7	4818.4	4839.4	4868.9	4900.4
20°	5041.4	5062.5	4986.7	4889.9	4847.8	4847.8	4849.9	4894.1	4936.2	4982.5
22.5°	5136.1	5152.9	5060.4	4927.8	4866.8	4871.0	4887.8	4932.0	4984.6	5047.7
25°	5277.1	5289.7	5176.1	4999.3	4929.9	4942.5	4957.3	4978.3	5028.8	5102.4
27.5°	5504.3	5514.8	5365.4	5125.6	5020.4	5041.4	5062.5	5047.7	5070.9	5134.0
30°	5824.1	5830.5	5641.1	5323.4	5174.0	5184.5	5188.7	5127.7	5083.5	5134.0
32.5°	6202.9	6200.8	5975.6	5563.2	5348.6	5338.1	5302.3	5182.4	5079.3	5123.5
35°	6789.9	6766.8	6476.4	5899.9	5546.4	5481.2	5397.0	5243.4	5100.3	5113.0
37.5°	7762.0	7690.5	7288.6	6451.2	5841.0	5674.7	5550.6	5342.3	5146.6	5108.7
40°	8858.2	8767.8	8325.9	7206.5	6282.8	6015.6	5815.7	5483.3	5222.4	5127.7
42.5°	10158.6	10030.2	9554.7	8096.6	6842.5	6455.4	6154.5	5662.1	5333.9	5188.7
45°	11755.6	11585.2	10911.8	9100.2	7547.4	7031.9	6630.0	5933.6	5504.3	5306.5
47.5°	13369.4	13411.5	12454.1	10249.1	8393.2	7743.1	7225.5	6341.7	5752.6	5495.9
50°	15084.3	15113.7	13988.0	11522.0	9352.7	8546.8	7894.6	6798.3	6097.7	5765.2
52.5°	16422.5	16426.7	15380.9	12853.9	10352.2	9430.6	8616.3	7320.2	6497.4	6122.9
55°	17259.9	17249.4	16357.2	14114.3	11501.0	10358.5	9415.8	7913.5	6985.6	6543.7
57.5°	17868.0	17836.4	17030.6	15197.9	12725.6	11454.7	10320.6	8586.8	7562.1	7044.5
60°	18099.4	18080.5	17487.1	16134.2	14013.3	12666.7	11364.2	9340.1	8216.5	7635.8
62.5°	18187.8	18223.6	17935.3	17041.1	15391.5	14009.1	12511.0	10240.6	8952.9	8304.9
65°	18499.2	18564.4	18505.5	18227.8	16948.5	15580.8	14032.2	11311.6	9756.7	9022.4
67.5°	19115.7	19180.9	19206.2	19648.1	18850.6	17539.7	15930.1	12645.6	10697.2	9767.2
70°	19101.0	19082.0	19528.1	20778.0	21232.4	20251.9	18488.7	14286.8	11818.7	10385.8
72.5°	17386.1	17234.7	18288.8	20765.3	23214.5	23084.0	21613.3	16403.5	12786.6	10461.6
75°	13043.3	12639.3	14501.4	18713.8	23544.8	24691.6	23599.5	17716.5	12557.2	9243.3
77.5°	5578.0	5171.9	7366.4	13853.4	21072.5	23081.9	21777.4	15456.7	10023.9	6112.4
80°	1460.2	1458.1	2226.1	6280.7	14331.0	17045.3	14953.8	9981.8	5727.4	2184.1
82.5°	603.9	589.1	818.5	2442.9	7002.4	9565.2	7806.2	4452.3	2068.3	591.3
85°	225.1	223.0	397.7	843.7	2470.2	3945.2	2855.3	1138.3	515.5	288.3
87.5°	63.1	61.0	86.3	292.5	601.8	913.2	488.2	187.3	145.2	113.6
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°
4536.4	0°	4536.4	4536.4	4536.4	4536.4	4536.4	4536.4	4536.4	4536.4	4536.4	4536.4
4544.8	2.5°	4551.2	4561.7	4580.6	4595.3	4614.3	4635.3	4664.8	4683.7	4702.7	4715.3
4555.4	5°	4570.1	4593.2	4641.6	4690.0	4746.8	4799.4	4860.5	4904.6	4940.4	4950.9
4593.2	7.5°	4612.2	4650.1	4732.1	4814.2	4904.6	4990.9	5079.3	5155.0	5216.1	5239.2
4660.6	10°	4685.8	4736.3	4852.0	4967.8	5087.7	5220.3	5333.9	5443.3	5529.6	5565.3
4740.5	12.5°	4778.4	4841.5	4993.0	5152.9	5319.2	5502.2	5649.5	5784.2	5891.5	5939.9
4852.0	15°	4898.3	4980.4	5174.0	5388.6	5632.7	5887.3	6074.5	6223.9	6343.9	6402.8
4967.8	17.5°	5028.8	5138.2	5382.3	5706.3	6055.6	6390.1	6609.0	6718.4	6842.5	6899.3
5075.1	20°	5155.0	5289.7	5639.0	6110.3	6575.3	6930.9	7107.6	7137.1	7145.5	7151.8
5176.1	22.5°	5285.5	5466.4	5960.9	6619.5	7118.2	7364.3	7389.6	7263.3	7086.6	7004.5
5275.0	25°	5428.6	5668.4	6381.7	7181.3	7585.3	7614.7	7421.1	7113.9	6779.4	6625.8
5354.9	27.5°	5567.4	5902.0	6886.7	7717.8	7921.9	7663.1	7246.5	6811.0	6407.0	6245.0
5411.7	30°	5706.3	6169.2	7444.3	8187.0	8075.5	7543.2	6970.9	6484.8	6078.7	5908.3
5462.2	32.5°	5847.3	6480.6	8086.0	8525.8	8048.2	7288.6	6627.9	6118.7	5761.0	5582.2
5506.4	35°	6007.2	6863.6	8694.1	8711.0	7865.1	6914.1	6175.5	5681.1	5369.7	5226.6
5559.0	37.5°	6215.5	7349.6	9230.7	8757.2	7545.3	6364.9	5613.7	5163.5	4906.8	4841.5
5636.9	40°	6474.3	7934.5	9641.0	8683.6	7071.9	5697.9	4999.3	4639.5	4494.3	4509.1
5742.1	42.5°	6811.0	8588.9	9929.2	8494.2	6413.3	5009.9	4460.7	4300.8	4370.2	4429.1
5899.9	45°	7248.6	9268.5	10108.1	8172.3	5668.4	4427.0	4143.0	4180.8	4233.4	4239.8
6154.5	47.5°	7808.3	9956.6	10225.9	7686.3	4908.9	4016.7	3941.0	3949.4	3938.9	3894.7
6535.3	50°	8506.9	10625.7	10331.1	7042.4	4262.9	3760.0	3659.0	3629.6	3484.4	3341.3
7042.4	52.5°	9302.2	11240.1	10375.3	6242.9	3760.0	3545.4	3381.3	3196.1	2924.7	2880.5
7680.0	55°	10185.9	11808.2	10261.7	5260.2	3337.1	3269.8	3021.5	2798.4	2769.0	2731.1
8519.5	57.5°	11242.2	12420.5	10030.2	4164.0	2903.7	2947.8	2705.9	2731.1	2678.5	2619.6
9598.9	60°	12397.3	13053.8	9624.1	3164.6	2455.5	2546.0	2623.8	2621.7	2607.0	2558.6
10737.2	62.5°	13436.8	13470.4	8824.6	2423.9	2062.0	2234.6	2447.1	2445.0	2432.3	2405.0
11926.0	65°	14055.4	13407.3	7490.6	1908.4	1738.0	1977.9	2207.2	2224.0	2226.1	2224.0
12820.3	67.5°	13946.0	12668.8	5660.0	1519.2	1470.8	1716.9	1969.4	1992.6	2009.4	2013.6
12933.9	70°	12708.7	11046.5	3690.6	1212.0	1233.0	1487.6	1744.3	1767.4	1782.2	1799.0
11223.2	72.5°	9906.1	8121.8	2112.5	980.5	1024.7	1289.8	1521.3	1548.6	1557.0	1588.6
7810.4	75°	6036.7	4776.3	1140.4	772.2	841.6	1102.5	1300.3	1331.9	1346.6	1384.5
3835.8	77.5°	2870.0	2068.3	650.2	601.8	677.5	900.6	1098.3	1134.1	1094.1	1115.2
1058.4	80°	970.0	768.0	410.3	458.7	517.6	702.8	879.5	915.3	831.1	826.9
351.4	82.5°	338.8	311.4	260.9	305.1	334.6	502.9	664.9	711.2	618.6	616.5
157.8	85°	132.6	126.2	145.2	166.2	199.9	309.3	437.7	460.8	380.8	307.2
46.3	87.5°	27.4	29.5	35.8	37.9	61.0	107.3	157.8	193.6	153.6	130.5
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°
4536.4
4706.9
4955.1
5241.3
5567.4
5939.9
6398.6
6897.2
7168.7
7027.7
6648.9
6263.9
5927.2
5605.3
5258.1
4887.8
4559.6
4483.8
4281.8
3928.3
3360.2
2895.2
2737.4
2609.1
2541.7
2394.5
2224.0
2017.8
1807.4
1601.2
1388.7
1098.3
818.5
587.0
303.0
119.9
0.0

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