

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: P848263

Luminaire Tested: **GLAN-SB4D-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848263
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-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 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: 39051 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

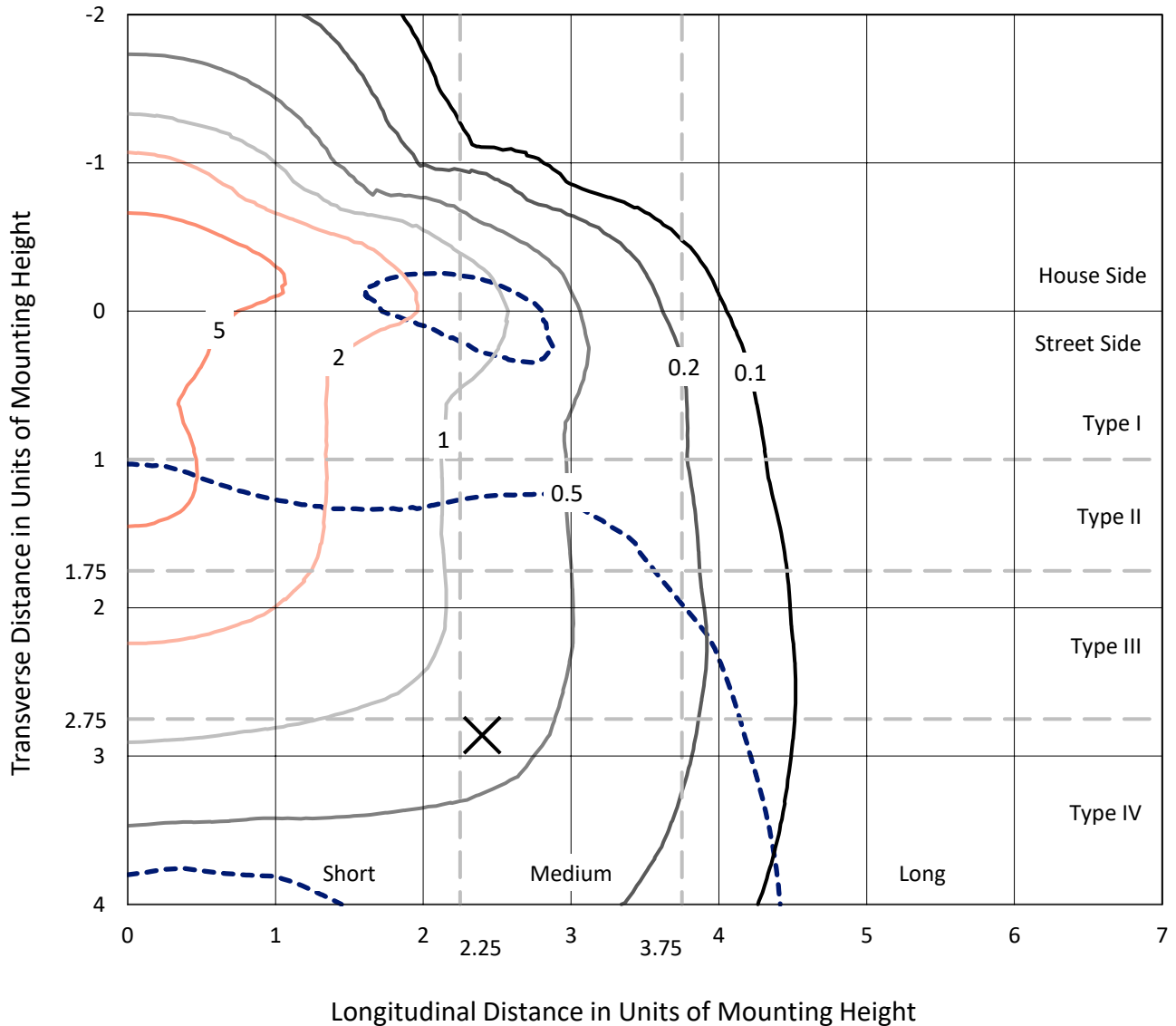
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

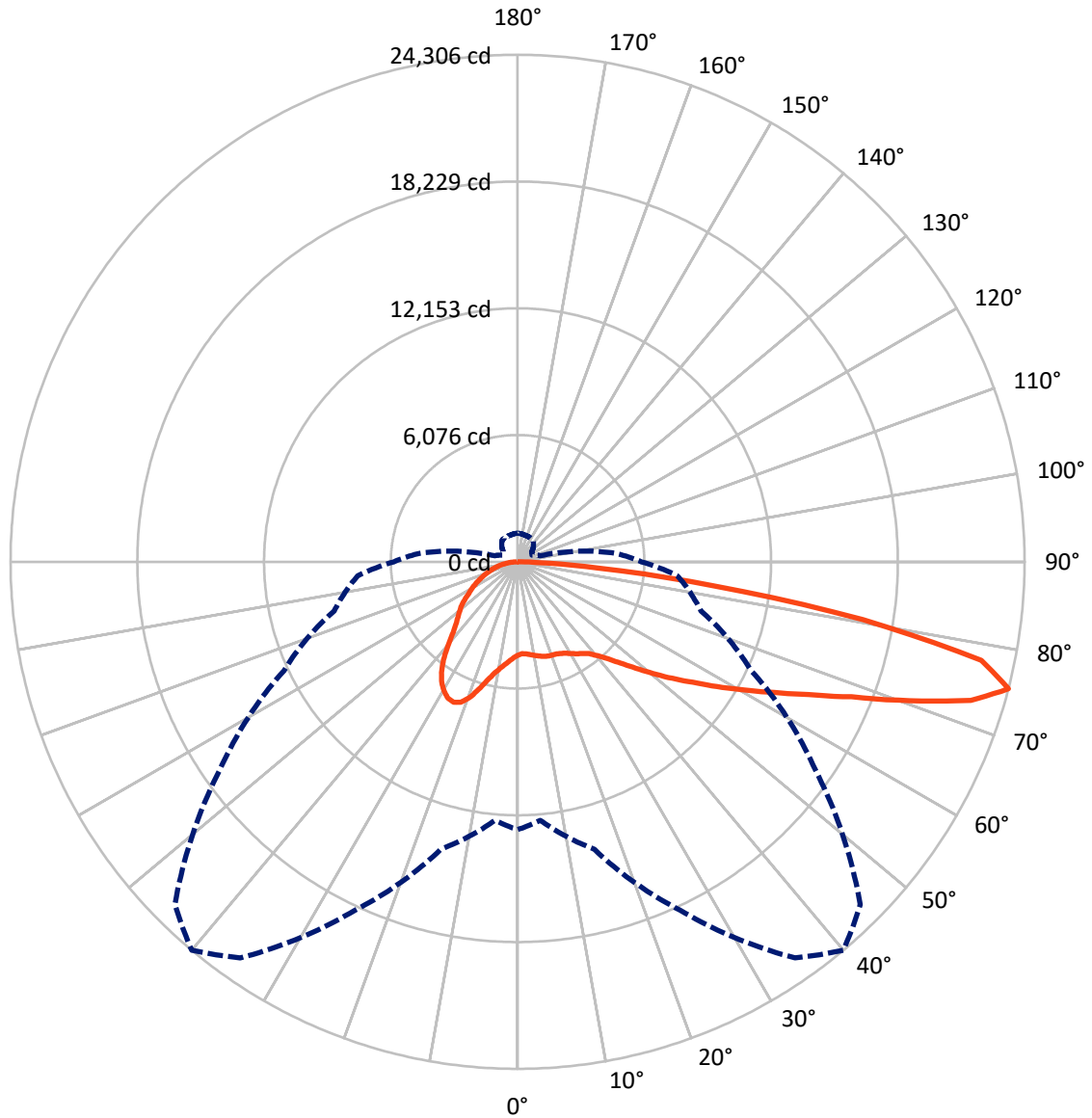
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 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	12099.3	0.0	12099.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	26951.7	0.0	26951.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	39051.0	0.0	39051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	445.8	1.1
10°-20°	1496.6	3.8
20°-30°	2732.6	7.0
30°-40°	3875.6	9.9
40°-50°	5233.2	13.4
50°-60°	7040.1	18.0
60°-70°	8935.5	22.9
70°-80°	8109.5	20.8
80°-90°	1182.1	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°	39051.0	100.0
0°-180°	39051.0	100.0

Coefficient of Utilization

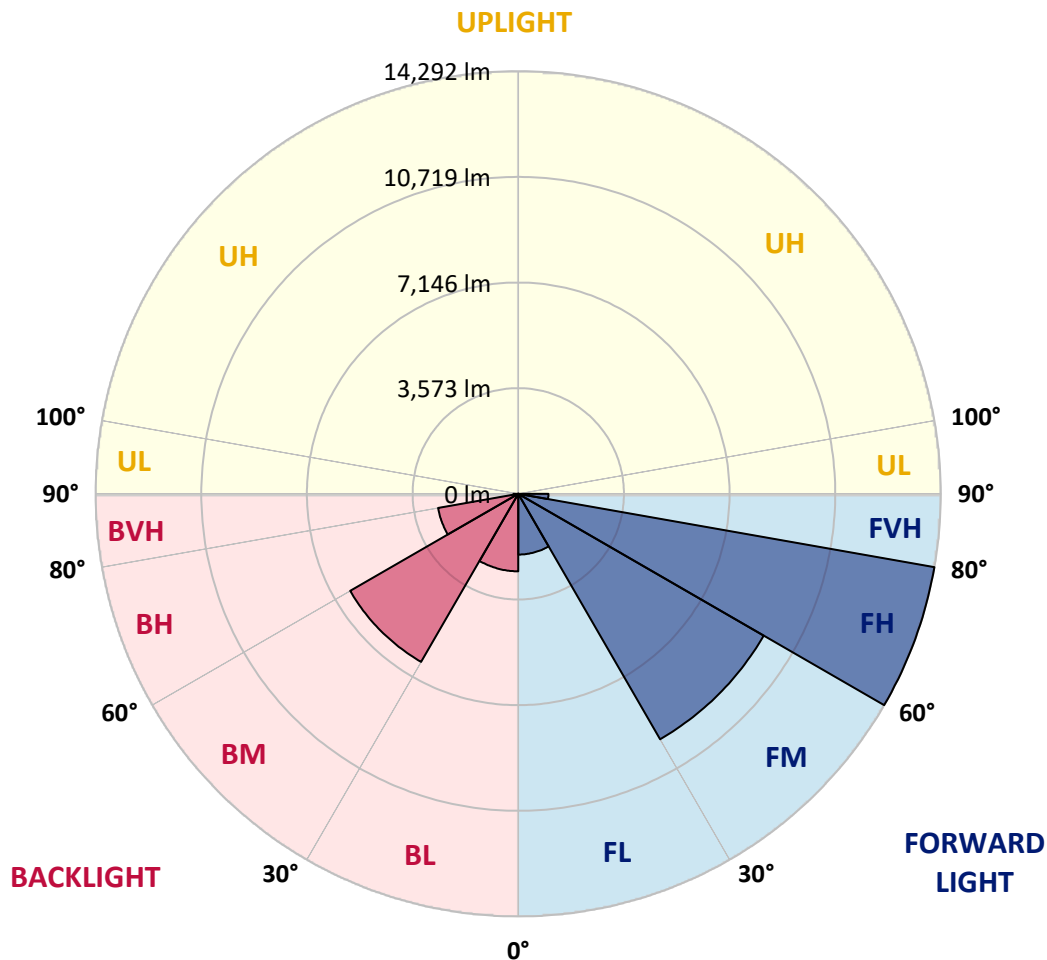


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2054.1	5.3			
FM (30°-60°)	9586.1	24.5			
FH (60°-80°)	14292.1	36.6			G5
FVH (80°-90°)	1019.4	2.6			G5
BL (0°-30°)	2620.8	6.7	B4/5000		
BM (30°-60°)	6562.8	16.8	B4/8500		
BH (60°-80°)	2753.0	7.0	B4/5000		G4/5000
BVH (80°-90°)	162.7	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°	4465.5	4465.5	4465.5	4465.5	4465.5	4465.5	4465.5	4465.5	4465.5	4465.5
2.5°	4397.2	4422.0	4415.8	4407.5	4407.5	4409.6	4407.5	4422.0	4436.5	4451.0
5°	4442.8	4467.6	4455.2	4444.8	4436.5	4434.5	4428.3	4426.2	4434.5	4453.1
7.5°	4531.8	4556.7	4538.0	4519.4	4502.8	4494.5	4486.2	4473.8	4467.6	4478.0
10°	4631.2	4656.1	4633.3	4600.2	4573.2	4562.9	4554.6	4542.2	4533.9	4540.1
12.5°	4730.6	4755.5	4724.4	4678.9	4643.7	4637.4	4627.1	4622.9	4620.9	4618.8
15°	4823.9	4844.6	4805.2	4751.4	4714.1	4703.7	4693.4	4699.6	4709.9	4722.4
17.5°	4896.3	4917.1	4859.1	4788.6	4753.4	4749.3	4743.1	4763.8	4792.8	4823.9
20°	4962.6	4983.3	4908.8	4813.5	4772.1	4772.1	4774.1	4817.6	4859.1	4904.6
22.5°	5055.8	5072.4	4981.3	4850.8	4790.7	4794.9	4811.4	4854.9	4906.7	4968.8
25°	5194.6	5207.0	5095.2	4921.2	4852.9	4865.3	4879.8	4900.5	4950.2	5022.7
27.5°	5418.3	5428.6	5281.6	5045.5	4941.9	4962.6	4983.3	4968.8	4991.6	5053.8
30°	5733.1	5739.3	5552.9	5240.2	5093.1	5103.5	5107.6	5047.5	5004.0	5053.8
32.5°	6105.9	6103.9	5882.2	5476.3	5265.0	5254.7	5219.5	5101.4	4999.9	5043.4
35°	6683.8	6661.0	6375.2	5807.7	5459.7	5395.5	5312.7	5161.5	5020.6	5033.0
37.5°	7640.7	7570.3	7174.7	6350.3	5749.7	5586.1	5463.9	5258.8	5066.2	5028.9
40°	8719.8	8630.7	8195.8	7093.9	6184.6	5921.6	5724.8	5397.6	5140.7	5047.5
42.5°	9999.8	9873.5	9405.4	7970.0	6735.6	6354.5	6058.3	5573.6	5250.5	5107.6
45°	11571.9	11404.1	10741.3	8958.0	7429.4	6922.0	6526.4	5840.8	5418.3	5223.6
47.5°	13160.5	13201.9	12259.5	10088.9	8262.1	7622.1	7112.5	6242.6	5662.7	5410.0
50°	14848.5	14877.5	13769.4	11342.0	9206.5	8413.3	7771.2	6692.1	6002.4	5675.1
52.5°	16165.8	16170.0	15140.6	12653.0	10190.4	9283.2	8481.6	7205.7	6395.9	6027.2
55°	16990.2	16979.8	16101.6	13893.7	11321.2	10196.6	9268.7	7789.8	6876.4	6441.5
57.5°	17588.7	17557.7	16764.4	14960.4	12526.7	11275.7	10159.3	8452.6	7443.9	6934.4
60°	17816.6	17797.9	17213.8	15882.1	13794.3	12468.7	11186.6	9194.1	8088.1	7516.4
62.5°	17903.6	17938.8	17655.0	16774.7	15150.9	13790.1	12315.4	10080.6	8813.0	8175.1
65°	18210.1	18274.3	18216.3	17942.9	16683.6	15337.3	13812.9	11134.8	9604.2	8881.4
67.5°	18817.0	18881.2	18906.0	19341.0	18556.0	17265.6	15681.1	12448.0	10530.0	9614.6
70°	18802.5	18783.8	19222.9	20453.2	20900.6	19935.4	18199.7	14063.5	11634.0	10223.5
72.5°	17114.4	16965.3	18003.0	20440.8	22851.7	22723.3	21275.5	16147.2	12586.8	10298.1
75°	12839.4	12441.8	14274.8	18421.4	23176.9	24305.7	23230.7	17439.6	12361.0	9098.8
77.5°	5490.8	5091.0	7251.3	13636.9	20743.2	22721.2	21437.0	15215.1	9867.3	6016.9
80°	1437.4	1435.4	2191.3	6182.6	14107.0	16778.9	14720.1	9825.8	5637.8	2149.9
82.5°	594.4	579.9	805.7	2404.7	6893.0	9415.7	7684.2	4382.7	2036.0	582.0
85°	221.6	219.5	391.5	830.6	2431.6	3883.5	2810.6	1120.5	507.4	283.8
87.5°	62.1	60.1	84.9	287.9	592.4	898.9	480.5	184.3	142.9	111.8
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°
4465.5	0°	4465.5	4465.5	4465.5	4465.5	4465.5	4465.5	4465.5	4465.5	4465.5	4465.5
4473.8	2.5°	4480.0	4490.4	4509.0	4523.5	4542.2	4562.9	4591.9	4610.5	4629.2	4641.6
4484.2	5°	4498.7	4521.5	4569.1	4616.7	4672.7	4724.4	4784.5	4828.0	4863.2	4873.6
4521.5	7.5°	4540.1	4577.4	4658.2	4738.9	4828.0	4912.9	4999.9	5074.5	5134.5	5157.3
4587.7	10°	4612.6	4662.3	4776.2	4890.1	5008.2	5138.7	5250.5	5358.2	5443.1	5478.4
4666.4	12.5°	4703.7	4765.9	4915.0	5072.4	5236.0	5416.2	5561.2	5693.8	5799.4	5847.0
4776.2	15°	4821.8	4902.6	5093.1	5304.4	5544.6	5795.3	5979.6	6126.6	6244.7	6302.7
4890.1	17.5°	4950.2	5057.9	5298.2	5617.1	5960.9	6290.3	6505.7	6613.4	6735.6	6791.5
4995.8	20°	5074.5	5207.0	5550.8	6014.8	6472.5	6822.6	6996.6	7025.6	7033.8	7040.1
5095.2	22.5°	5202.9	5381.0	5867.7	6516.0	7006.9	7249.2	7274.1	7149.8	6975.8	6895.1
5192.5	25°	5343.7	5579.8	6282.0	7069.0	7466.7	7495.7	7305.2	7002.8	6673.4	6522.2
5271.2	27.5°	5480.4	5809.8	6779.1	7597.2	7798.1	7543.4	7133.3	6704.5	6306.8	6147.4
5327.2	30°	5617.1	6072.8	7327.9	8059.1	7949.3	7425.3	6861.9	6383.5	5983.7	5816.0
5376.9	32.5°	5755.9	6379.3	7959.7	8392.6	7922.4	7174.7	6524.3	6023.1	5671.0	5494.9
5420.4	35°	5913.3	6756.3	8558.2	8574.8	7742.2	6806.0	6079.0	5592.3	5285.7	5144.9
5472.1	37.5°	6118.4	7234.7	9086.4	8620.4	7427.4	6265.4	5526.0	5082.8	4830.1	4765.9
5548.8	40°	6373.1	7810.5	9490.3	8547.9	6961.3	5608.8	4921.2	4567.0	4424.1	4438.6
5652.3	42.5°	6704.5	8454.7	9774.1	8361.5	6313.1	4931.6	4391.0	4233.6	4301.9	4359.9
5807.7	45°	7135.3	9123.7	9950.1	8044.6	5579.8	4357.8	4078.2	4115.5	4167.3	4173.5
6058.3	47.5°	7686.3	9801.0	10066.1	7566.1	4832.1	3953.9	3879.4	3887.7	3877.3	3833.8
6433.2	50°	8373.9	10459.6	10169.7	6932.3	4196.3	3701.3	3601.8	3572.8	3429.9	3289.1
6932.3	52.5°	9156.8	11064.4	10213.1	6145.3	3701.3	3490.0	3328.4	3146.2	2879.0	2835.5
7559.9	55°	10026.7	11623.6	10101.3	5178.0	3284.9	3218.7	2974.3	2754.7	2725.7	2688.4
8386.3	57.5°	11066.5	12226.4	9873.5	4098.9	2858.3	2901.8	2663.6	2688.4	2636.7	2578.7
9448.9	60°	12203.6	12849.8	9473.7	3115.1	2417.1	2506.2	2582.8	2580.7	2566.2	2518.6
10569.4	62.5°	13226.8	13259.9	8686.7	2386.0	2029.8	2199.6	2408.8	2406.7	2394.3	2367.4
11739.6	65°	13835.7	13197.8	7373.5	1878.6	1710.8	1946.9	2172.7	2189.3	2191.3	2189.3
12619.9	67.5°	13728.0	12470.8	5571.6	1495.4	1447.8	1690.1	1938.7	1961.4	1978.0	1982.2
12731.7	70°	12510.1	10873.9	3632.9	1193.0	1213.7	1464.3	1717.0	1739.8	1754.3	1770.9
11047.8	72.5°	9751.3	7994.9	2079.5	965.2	1008.7	1269.7	1497.5	1524.4	1532.7	1563.8
7688.3	75°	5942.3	4701.7	1122.6	760.1	828.5	1085.3	1280.0	1311.1	1325.6	1362.9
3775.8	77.5°	2825.1	2036.0	640.0	592.4	666.9	886.5	1081.2	1116.4	1077.0	1097.7
1041.8	80°	954.8	756.0	403.9	451.5	509.5	691.8	865.8	901.0	818.1	814.0
345.9	82.5°	333.5	306.5	256.8	300.3	329.3	495.0	654.5	700.1	608.9	606.9
155.3	85°	130.5	124.3	142.9	163.6	196.8	304.5	430.8	453.6	374.9	302.4
45.6	87.5°	26.9	29.0	35.2	37.3	60.1	105.6	155.3	190.6	151.2	128.4
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°
4465.5
4633.3
4877.7
5159.4
5480.4
5847.0
6298.6
6789.4
7056.6
6917.8
6545.0
6166.0
5834.6
5517.7
5176.0
4811.4
4488.3
4413.8
4214.9
3867.0
3307.7
2850.0
2694.6
2568.3
2502.0
2357.0
2189.3
1986.3
1779.2
1576.2
1367.0
1081.2
805.7
577.9
298.3
118.1
0.0

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