

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: P850883

Luminaire Tested: **GLAN-SB8C-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850883  
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-SB8C-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 49703 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

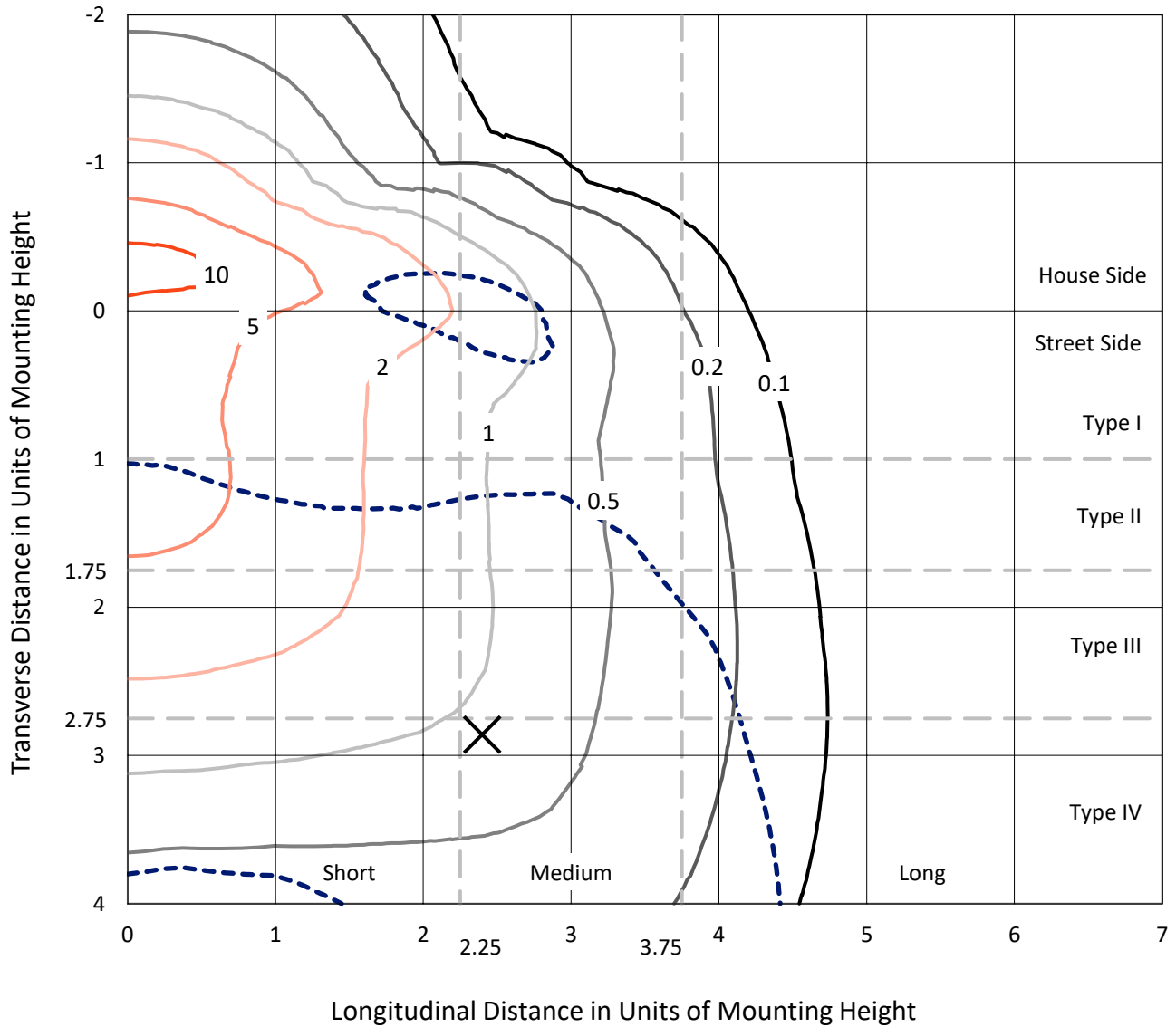
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

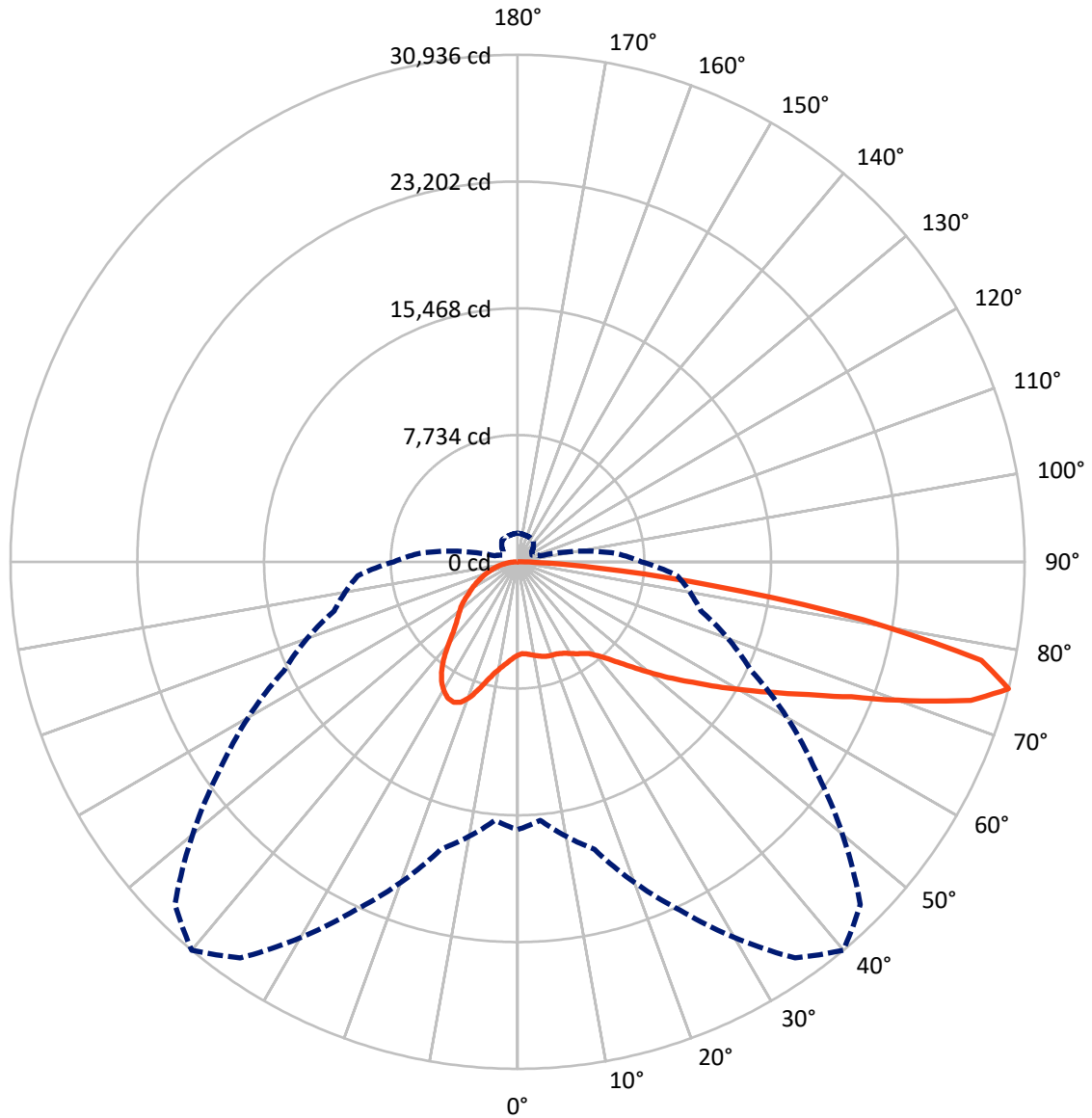
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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
<b>House Side</b>	Lumens	15399.6	0.0	15399.6
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	34303.3	0.0	34303.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	49703.0	0.0	49703.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	567.3	1.1
10°-20°	1904.8	3.8
20°-30°	3478.0	7.0
30°-40°	4932.8	9.9
40°-50°	6660.7	13.4
50°-60°	8960.4	18.0
60°-70°	11372.8	22.9
70°-80°	10321.6	20.8
80°-90°	1504.6	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°	49703.0	100.0
0°-180°	49703.0	100.0

**Coefficient of Utilization**

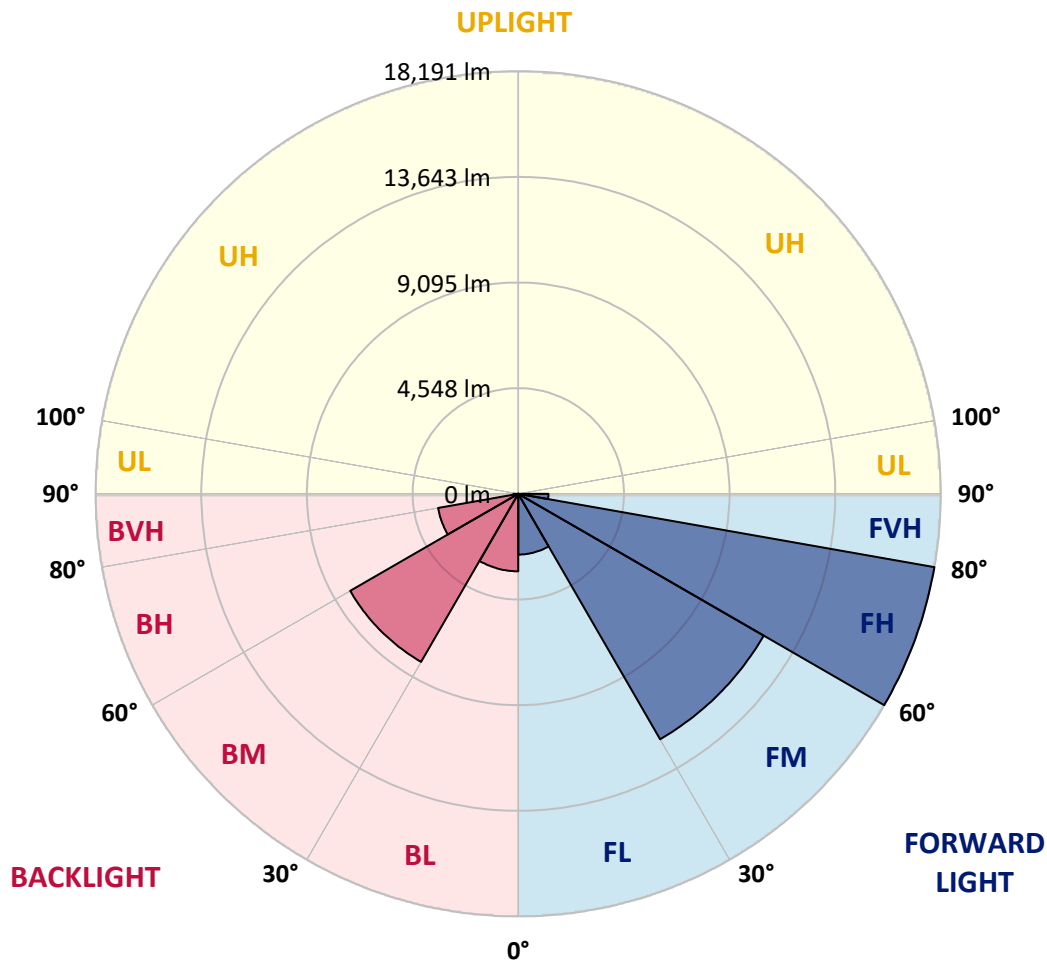


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2614.4	5.3			
FM (30°-60°)	12201.0	24.5			
FH (60°-80°)	18190.5	36.6			G5
FVH (80°-90°)	1297.4	2.6			G5
BL (0°-30°)	3335.7	6.7	B4/5000		
BM (30°-60°)	8352.9	16.8	B4/8500		
BH (60°-80°)	3503.9	7.0	B4/5000		G4/5000
BVH (80°-90°)	207.1	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°	5683.6	5683.6	5683.6	5683.6	5683.6	5683.6	5683.6	5683.6	5683.6	5683.6
2.5°	5596.6	5628.2	5620.3	5609.8	5609.8	5612.4	5609.8	5628.2	5646.7	5665.2
5°	5654.6	5686.2	5670.4	5657.2	5646.7	5644.1	5636.2	5633.5	5644.1	5667.8
7.5°	5768.0	5799.6	5775.9	5752.1	5731.1	5720.5	5710.0	5694.1	5686.2	5699.4
10°	5894.5	5926.1	5897.1	5855.0	5820.7	5807.5	5797.0	5781.1	5770.6	5778.5
12.5°	6021.0	6052.7	6013.1	5955.1	5910.3	5902.4	5889.2	5884.0	5881.3	5878.7
15°	6139.7	6166.0	6115.9	6047.4	5999.9	5986.8	5973.6	5981.5	5994.7	6010.5
17.5°	6231.9	6258.3	6184.5	6094.8	6050.0	6044.8	6036.9	6063.2	6100.1	6139.7
20°	6316.3	6342.6	6247.7	6126.5	6073.8	6073.8	6076.4	6131.8	6184.5	6242.5
22.5°	6434.9	6456.0	6340.0	6173.9	6097.5	6102.8	6123.8	6179.2	6245.1	6324.2
25°	6611.5	6627.4	6485.0	6263.6	6176.6	6192.4	6210.8	6237.2	6300.5	6392.7
27.5°	6896.2	6909.4	6722.3	6421.7	6289.9	6316.3	6342.6	6324.2	6353.2	6432.3
30°	7296.9	7304.9	7067.6	6669.5	6482.4	6495.5	6500.8	6424.4	6369.0	6432.3
32.5°	7771.5	7768.8	7486.8	6970.1	6701.2	6688.0	6643.2	6492.9	6363.7	6419.1
35°	8507.0	8478.0	8114.2	7391.8	6949.0	6867.2	6761.8	6569.4	6390.1	6405.9
37.5°	9724.9	9635.2	9131.7	8082.5	7318.0	7109.8	6954.2	6693.3	6448.1	6400.6
40°	11098.3	10985.0	10431.4	9028.9	7871.6	7536.8	7286.4	6869.9	6543.0	6424.4
42.5°	12727.5	12566.7	11970.9	10144.0	8572.9	8087.8	7710.8	7094.0	6682.7	6500.8
45°	14728.3	14514.8	13671.2	11401.5	9456.0	8810.1	8306.6	7434.0	6896.2	6648.4
47.5°	16750.3	16803.0	15603.5	12840.8	10515.7	9701.1	9052.6	7945.4	7207.3	6885.7
50°	18898.8	18935.7	17525.3	14435.7	11717.8	10708.2	9890.9	8517.5	7639.6	7223.1
52.5°	20575.4	20580.7	19270.5	16104.4	12970.0	11815.4	10795.2	9171.3	8140.5	7671.3
55°	21624.6	21611.4	20493.7	17683.5	14409.4	12977.9	11796.9	9914.7	8752.1	8198.5
57.5°	22386.4	22346.9	21337.2	19041.1	15943.6	14351.4	12930.5	10758.3	9474.4	8825.9
60°	22676.4	22652.7	21909.3	20214.2	17557.0	15869.8	14238.0	11702.0	10294.3	9566.7
62.5°	22787.1	22832.0	22470.8	21350.4	19283.7	17551.7	15674.7	12830.3	11216.9	10405.0
65°	23177.3	23259.0	23185.2	22837.2	21234.4	19520.9	17580.7	14172.1	12224.0	11303.9
67.5°	23949.7	24031.4	24063.1	24616.6	23617.5	21975.2	19958.5	15843.4	13402.3	12237.1
70°	23931.2	23907.5	24466.4	26032.3	26601.7	25373.2	23164.1	17899.7	14807.4	13012.2
72.5°	21782.8	21593.0	22913.7	26016.5	29085.0	28921.5	27078.8	20551.7	16020.1	13107.1
75°	16341.7	15835.5	18168.6	23446.2	29498.9	30935.6	29567.4	22196.6	15732.7	11580.7
77.5°	6988.5	6479.7	9229.3	17356.6	26401.3	28918.9	27284.5	19365.4	12558.8	7658.1
80°	1829.5	1826.9	2789.1	7869.0	17955.0	21355.7	18735.3	12506.0	7175.7	2736.4
82.5°	756.6	738.1	1025.5	3060.6	8773.2	11984.1	9780.2	5578.2	2591.4	740.8
85°	282.1	279.4	498.2	1057.1	3094.9	4942.8	3577.3	1426.2	645.9	361.2
87.5°	79.1	76.4	108.1	366.4	753.9	1144.1	611.6	234.6	181.9	142.4
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°
5683.6	0°	5683.6	5683.6	5683.6	5683.6	5683.6	5683.6	5683.6	5683.6	5683.6	5683.6
5694.1	2.5°	5702.1	5715.2	5739.0	5757.4	5781.1	5807.5	5844.4	5868.1	5891.9	5907.7
5707.3	5°	5725.8	5754.8	5815.4	5876.0	5947.2	6013.1	6089.6	6144.9	6189.8	6202.9
5754.8	7.5°	5778.5	5826.0	5928.8	6031.6	6144.9	6253.0	6363.7	6458.6	6535.1	6564.1
5839.1	10°	5870.8	5934.0	6079.0	6224.0	6374.3	6540.4	6682.7	6819.8	6927.9	6972.7
5939.3	12.5°	5986.8	6065.9	6255.7	6456.0	6664.3	6893.6	7078.1	7246.9	7381.3	7441.9
6079.0	15°	6137.0	6239.8	6482.4	6751.3	7057.1	7376.0	7610.7	7797.8	7948.1	8021.9
6224.0	17.5°	6300.5	6437.6	6743.3	7149.3	7586.9	8006.1	8280.2	8417.3	8572.9	8644.0
6358.5	20°	6458.6	6627.4	7065.0	7655.5	8238.1	8683.6	8905.0	8941.9	8952.5	8960.4
6485.0	22.5°	6622.1	6848.8	7468.3	8293.4	8918.2	9226.6	9258.3	9100.1	8878.7	8775.8
6608.9	25°	6801.3	7101.9	7995.5	8997.3	9503.4	9540.3	9297.8	8912.9	8493.8	8301.3
6709.1	27.5°	6975.3	7394.5	8628.2	9669.5	9925.2	9601.0	9079.0	8533.3	8027.2	7824.2
6780.3	30°	7149.3	7729.3	9326.8	10257.4	10117.7	9450.7	8733.7	8124.7	7615.9	7402.4
6843.5	32.5°	7325.9	8119.4	10130.8	10681.8	10083.4	9131.7	8304.0	7666.0	7217.9	6993.8
6898.9	35°	7526.3	8599.2	10892.7	10913.8	9854.0	8662.5	7737.2	7117.7	6727.5	6548.3
6964.8	37.5°	7787.3	9208.2	11564.9	10971.8	9453.3	7974.4	7033.3	6469.2	6147.6	6065.9
7062.3	40°	8111.5	9941.0	12079.0	10879.5	8860.2	7138.8	6263.6	5812.8	5630.9	5649.3
7194.1	42.5°	8533.3	10760.9	12440.1	10642.3	8035.1	6276.7	5588.7	5388.4	5475.3	5549.2
7391.8	45°	9081.6	11612.4	12664.2	10238.9	7101.9	5546.5	5190.6	5238.1	5304.0	5311.9
7710.8	47.5°	9782.9	12474.4	12811.8	9630.0	6150.2	5032.5	4937.6	4948.1	4934.9	4879.6
8188.0	50°	10658.1	13312.7	12943.6	8823.3	5340.9	4710.9	4584.3	4547.4	4365.5	4186.3
8823.3	52.5°	11654.6	14082.5	12999.0	7821.5	4710.9	4442.0	4236.3	4004.4	3664.3	3608.9
9622.1	55°	12761.7	14794.2	12856.7	6590.5	4181.0	4096.6	3785.6	3506.1	3469.2	3421.8
10673.9	57.5°	14085.1	15561.4	12566.7	5217.0	3637.9	3693.3	3390.1	3421.8	3355.9	3282.0
12026.3	60°	15532.4	16354.9	12057.9	3964.8	3076.4	3189.8	3287.3	3284.7	3266.2	3205.6
13452.4	62.5°	16834.6	16876.8	11056.1	3036.9	2583.5	2799.6	3065.9	3063.2	3047.4	3013.2
14941.9	65°	17609.7	16797.7	9384.8	2391.0	2177.5	2478.0	2765.4	2786.4	2789.1	2786.4
16062.2	67.5°	17472.6	15872.4	7091.3	1903.3	1842.7	2151.1	2467.5	2496.5	2517.6	2522.8
16204.6	70°	15922.5	13839.9	4623.9	1518.4	1544.8	1863.8	2185.4	2214.4	2232.8	2253.9
14061.4	72.5°	12411.1	10175.7	2646.7	1228.5	1283.8	1616.0	1906.0	1940.2	1950.8	1990.3
9785.5	75°	7563.2	5984.1	1428.8	967.5	1054.5	1381.4	1629.2	1668.7	1687.2	1734.6
4805.8	77.5°	3595.7	2591.4	814.6	753.9	848.8	1128.3	1376.1	1420.9	1370.8	1397.2
1326.0	80°	1215.3	962.2	514.1	574.7	648.5	880.5	1101.9	1146.7	1041.3	1036.0
440.2	82.5°	424.4	390.2	326.9	382.2	419.2	630.0	833.0	891.0	775.0	772.4
197.7	85°	166.1	158.2	181.9	208.3	250.4	387.5	548.3	577.3	477.1	384.9
58.0	87.5°	34.3	36.9	44.8	47.5	76.4	134.4	197.7	242.5	192.4	163.4
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°
5683.6
5897.1
6208.2
6566.7
6975.3
7441.9
8016.6
8641.4
8981.5
8804.8
8330.3
7847.9
7426.1
7022.8
6587.8
6123.8
5712.6
5617.7
5364.6
4921.7
4210.0
3627.4
3429.7
3268.9
3184.5
3000.0
2786.4
2528.1
2264.5
2006.1
1739.9
1376.1
1025.5
735.5
379.6
150.3
0.0

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