

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: P851163

Luminaire Tested: **GLAN-SB9A-735-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851163  
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-SB9A-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 39744 lumens  
Efficiency: N/A  
Efficacy: 155.6 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

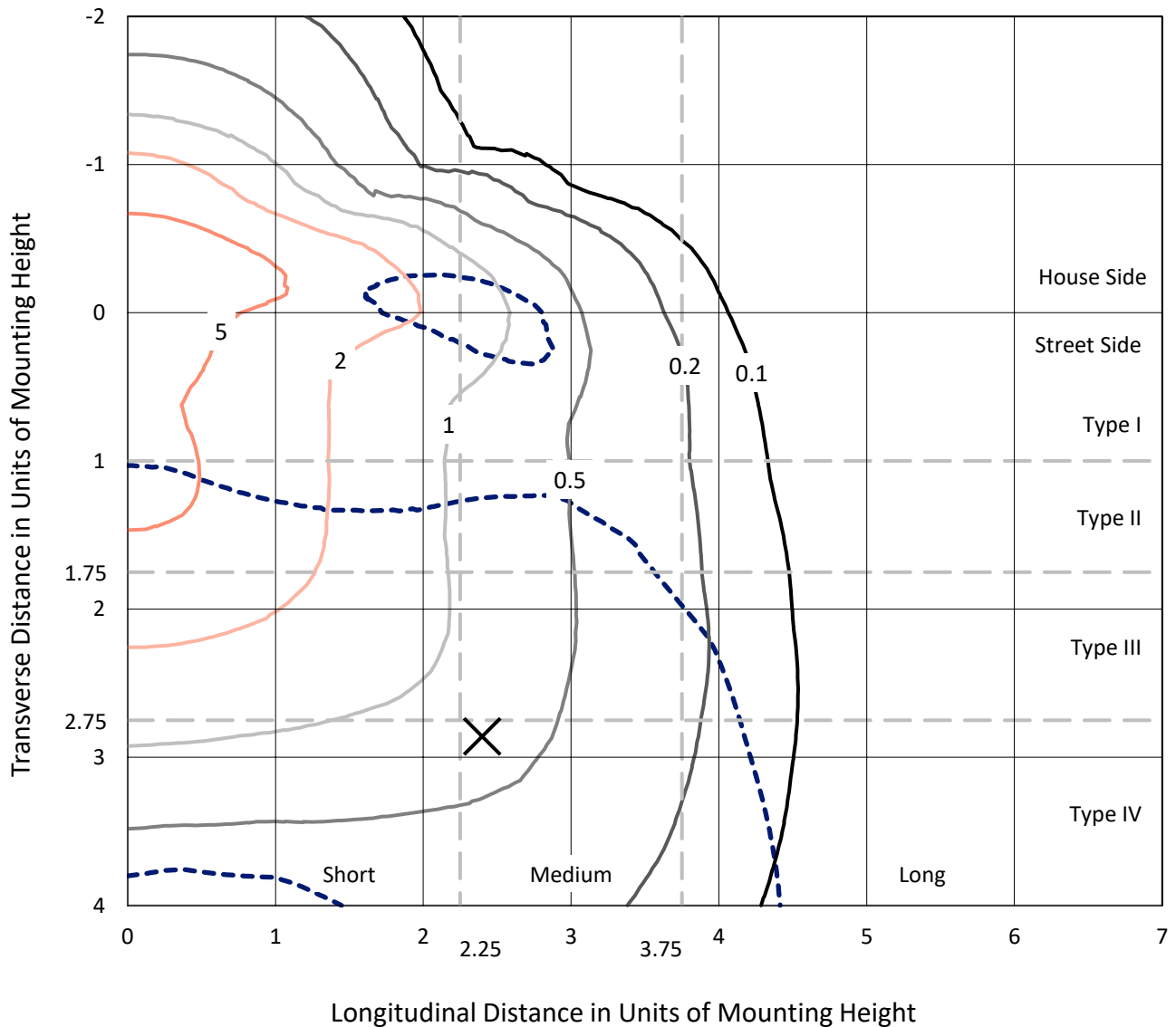
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

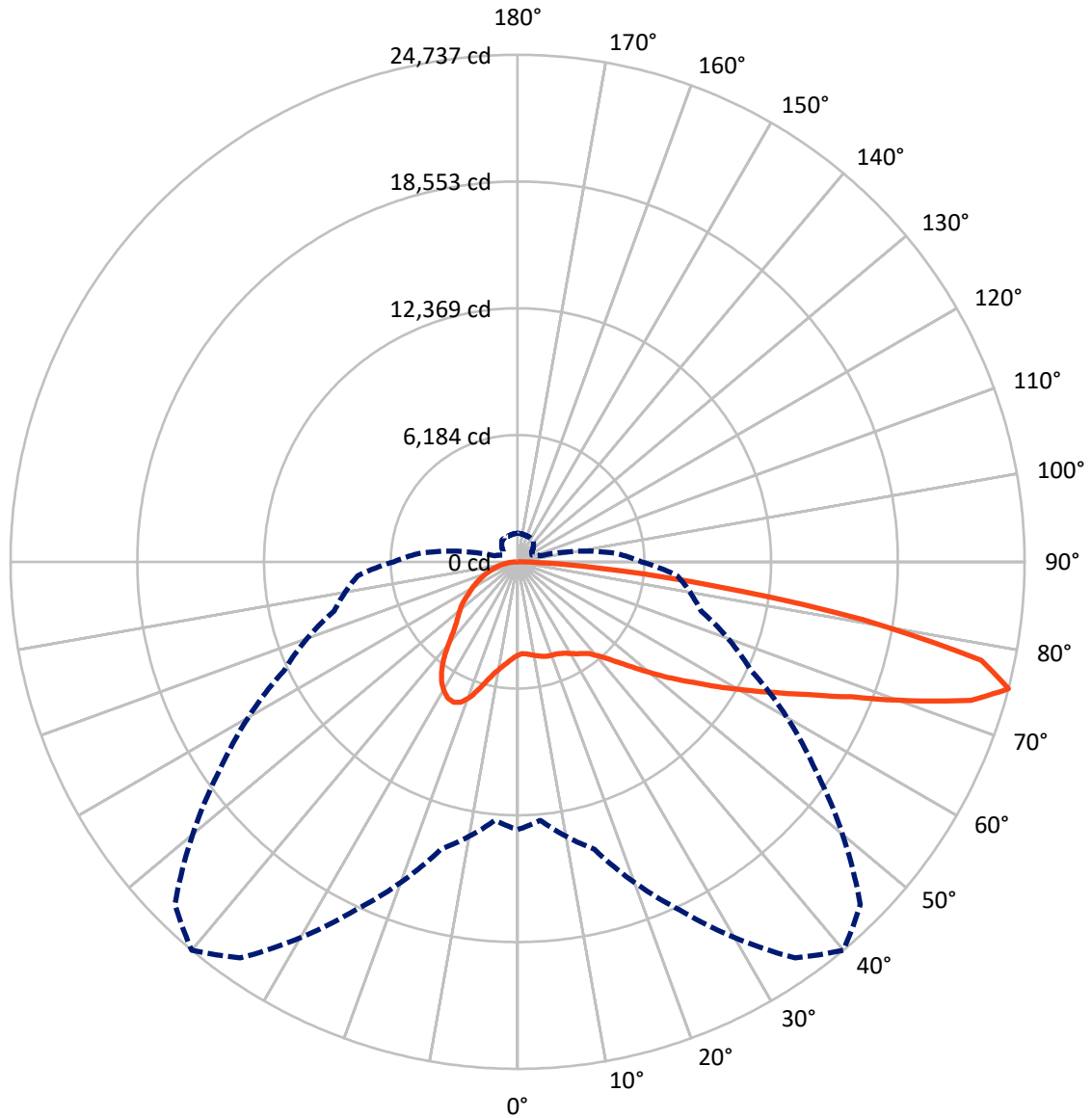
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	12314.0	0.0	12314.0
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	27430.0	0.0	27430.0
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	39744.0	0.0	39744.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.7	1.1
10°-20°	1523.1	3.8
20°-30°	2781.1	7.0
30°-40°	3944.4	9.9
40°-50°	5326.1	13.4
50°-60°	7165.0	18.0
60°-70°	9094.1	22.9
70°-80°	8253.4	20.8
80°-90°	1203.1	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°	39744.0	100.0
0°-180°	39744.0	100.0

**Coefficient of Utilization**

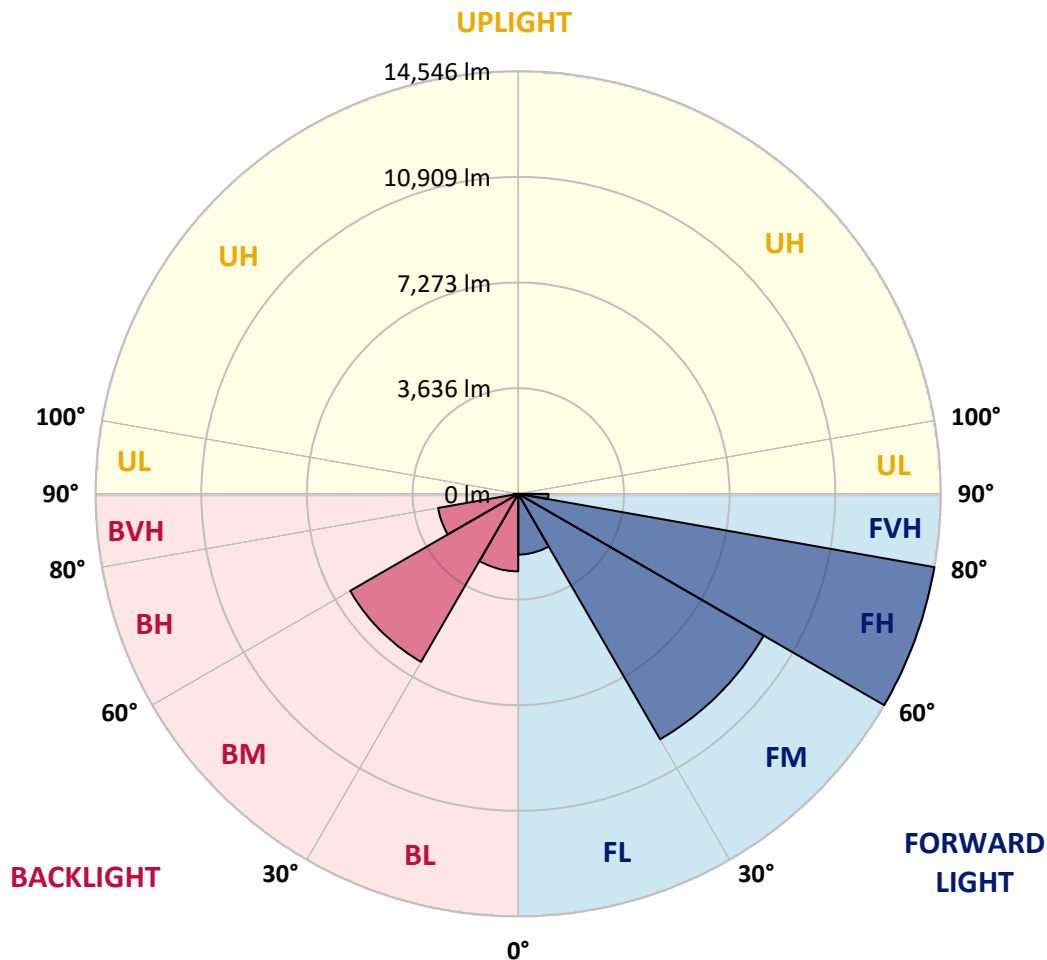


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2090.6	5.3			
FM (30°-60°)	9756.3	24.5			
FH (60°-80°)	14545.7	36.6			G5
FVH (80°-90°)	1037.4	2.6			G5
BL (0°-30°)	2667.3	6.7	B4/5000		
BM (30°-60°)	6679.2	16.8	B4/8500		
BH (60°-80°)	2801.8	7.0	B4/5000		G4/5000
BVH (80°-90°)	165.6	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°	4544.8	4544.8	4544.8	4544.8	4544.8	4544.8	4544.8	4544.8	4544.8	4544.8
2.5°	4475.2	4500.5	4494.2	4485.8	4485.8	4487.9	4485.8	4500.5	4515.3	4530.0
5°	4521.6	4546.9	4534.2	4523.7	4515.3	4513.2	4506.8	4504.7	4513.2	4532.1
7.5°	4612.2	4637.5	4618.6	4599.6	4582.7	4574.3	4565.9	4553.2	4546.9	4557.4
10°	4713.4	4738.7	4715.5	4681.8	4654.4	4643.9	4635.4	4622.8	4614.3	4620.7
12.5°	4814.6	4839.9	4808.3	4761.9	4726.1	4719.7	4709.2	4705.0	4702.9	4700.8
15°	4909.5	4930.5	4890.5	4835.7	4797.7	4787.2	4776.7	4783.0	4793.5	4806.2
17.5°	4983.2	5004.3	4945.3	4873.6	4837.8	4833.6	4827.2	4848.3	4877.8	4909.5
20°	5050.7	5071.8	4995.9	4898.9	4856.8	4856.8	4858.9	4903.1	4945.3	4991.7
22.5°	5145.6	5162.4	5069.7	4936.9	4875.7	4879.9	4896.8	4941.1	4993.8	5057.0
25°	5286.8	5299.4	5185.6	5008.5	4939.0	4951.6	4966.4	4987.5	5038.0	5111.8
27.5°	5514.4	5525.0	5375.3	5135.0	5029.6	5050.7	5071.8	5057.0	5080.2	5143.4
30°	5834.9	5841.2	5651.5	5333.2	5183.5	5194.0	5198.2	5137.1	5092.9	5143.4
32.5°	6214.3	6212.2	5986.6	5573.5	5358.5	5347.9	5312.1	5191.9	5088.6	5132.9
35°	6802.4	6779.2	6488.3	5910.7	5556.6	5491.3	5406.9	5253.1	5109.7	5122.4
37.5°	7776.3	7704.6	7302.0	6463.0	5851.7	5685.2	5560.8	5352.1	5156.1	5118.1
40°	8874.5	8783.9	8341.2	7219.8	6294.4	6026.7	5826.4	5493.4	5232.0	5137.1
42.5°	10177.3	10048.7	9572.3	8111.5	6855.1	6467.2	6165.8	5672.5	5343.7	5198.2
45°	11777.2	11606.5	10931.9	9117.0	7561.3	7044.8	6642.2	5944.5	5514.4	5316.3
47.5°	13394.0	13436.2	12477.1	10267.9	8408.7	7757.3	7238.8	6353.4	5763.2	5506.0
50°	15112.0	15141.5	14013.8	11543.2	9369.9	8562.6	7909.1	6810.8	6108.9	5775.8
52.5°	16452.7	16456.9	15409.2	12877.6	10371.2	9447.9	8632.1	7333.6	6509.4	6134.2
55°	17291.7	17281.1	16387.3	14140.3	11522.2	10377.5	9433.2	7928.1	6998.5	6555.8
57.5°	17900.9	17869.2	17061.9	15225.9	12749.0	11475.8	10339.6	8602.6	7576.0	7057.5
60°	18132.7	18113.8	17519.3	16163.9	14039.1	12690.0	11385.1	9357.3	8231.6	7649.8
62.5°	18221.3	18257.1	17968.3	17072.4	15419.8	14034.9	12534.0	10259.5	8969.4	8320.2
65°	18533.3	18598.6	18539.6	18261.3	16979.7	15609.5	14058.0	11332.4	9774.6	9039.0
67.5°	19150.9	19216.2	19241.5	19684.2	18885.3	17572.0	15959.4	12668.9	10716.9	9785.2
70°	19136.1	19117.2	19564.1	20816.2	21271.5	20289.2	18522.7	14313.1	11840.5	10404.9
72.5°	17418.1	17266.4	18322.5	20803.5	23257.2	23126.5	21653.0	16433.7	12810.1	10480.8
75°	13067.3	12662.6	14528.1	18748.3	23588.2	24737.0	23643.0	17749.1	12580.4	9260.3
77.5°	5588.2	5181.4	7380.0	13878.9	21111.3	23124.4	21817.5	15485.1	10042.4	6123.6
80°	1462.9	1460.8	2230.2	6292.3	14357.4	17076.7	14981.3	10000.2	5737.9	2188.1
82.5°	605.0	590.2	820.0	2447.4	7015.3	9582.8	7820.6	4460.5	2072.1	592.3
85°	225.6	223.4	398.4	845.3	2474.8	3952.4	2860.5	1140.4	516.5	288.8
87.5°	63.2	61.1	86.4	293.0	602.9	914.9	489.0	187.6	145.4	113.8
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°
4544.8	0°	4544.8	4544.8	4544.8	4544.8	4544.8	4544.8	4544.8	4544.8	4544.8	4544.8
4553.2	2.5°	4559.5	4570.1	4589.0	4603.8	4622.8	4643.9	4673.4	4692.3	4711.3	4724.0
4563.8	5°	4578.5	4601.7	4650.2	4698.7	4755.6	4808.3	4869.4	4913.7	4949.5	4960.0
4601.7	7.5°	4620.7	4658.6	4740.8	4823.0	4913.7	5000.1	5088.6	5164.5	5225.7	5248.8
4669.1	10°	4694.4	4745.0	4861.0	4976.9	5097.1	5229.9	5343.7	5453.3	5539.7	5575.6
4749.3	12.5°	4787.2	4850.4	5002.2	5162.4	5328.9	5512.3	5659.9	5794.8	5902.3	5950.8
4861.0	15°	4907.3	4989.6	5183.5	5398.5	5643.0	5898.1	6085.7	6235.4	6355.5	6414.5
4976.9	17.5°	5038.0	5147.7	5392.2	5716.8	6066.7	6401.9	6621.1	6730.7	6855.1	6912.0
5084.4	20°	5164.5	5299.4	5649.4	6121.5	6587.4	6943.6	7120.7	7150.2	7158.7	7165.0
5185.6	22.5°	5295.2	5476.5	5971.9	6631.7	7131.3	7377.9	7403.2	7276.7	7099.6	7017.4
5284.7	25°	5438.6	5678.9	6393.5	7194.5	7599.2	7628.7	7434.8	7127.0	6791.9	6638.0
5364.8	27.5°	5577.7	5912.9	6899.4	7732.0	7936.5	7677.2	7259.8	6823.5	6418.8	6256.4
5421.7	30°	5716.8	6180.6	7458.0	8202.1	8090.4	7557.1	6983.7	6496.8	6089.9	5919.2
5472.3	32.5°	5858.0	6492.5	8100.9	8541.5	8063.0	7302.0	6640.1	6130.0	5771.6	5592.4
5516.6	35°	6018.2	6876.2	8710.1	8727.0	7879.6	6926.8	6186.9	5691.5	5379.5	5236.2
5569.3	37.5°	6226.9	7363.1	9247.7	8773.4	7559.2	6376.6	5624.1	5173.0	4915.8	4850.4
5647.2	40°	6486.2	7949.1	9658.7	8699.6	7084.9	5708.4	5008.5	4648.1	4502.6	4517.4
5752.6	42.5°	6823.5	8604.7	9947.5	8509.9	6425.1	5019.1	4468.9	4308.7	4378.2	4437.3
5910.7	45°	7262.0	9285.6	10126.7	8187.3	5678.9	4435.2	4150.6	4188.5	4241.2	4247.6
6165.8	47.5°	7822.7	9974.9	10244.7	7700.4	4917.9	4024.1	3948.2	3956.7	3946.1	3901.8
6547.3	50°	8522.5	10645.2	10350.1	7055.4	4270.7	3766.9	3665.8	3636.2	3490.8	3347.5
7055.4	52.5°	9319.3	11260.8	10394.4	6254.3	3766.9	3551.9	3387.5	3202.0	2930.1	2885.8
7694.1	55°	10204.7	11829.9	10280.6	5269.9	3343.2	3275.8	3027.0	2803.6	2774.1	2736.1
8535.2	57.5°	11262.9	12443.3	10048.7	4171.7	2909.0	2953.3	2710.8	2736.1	2683.4	2624.4
9616.6	60°	12420.1	13077.8	9641.8	3170.4	2460.0	2550.6	2628.6	2626.5	2611.8	2563.3
10757.0	62.5°	13461.5	13495.2	8840.8	2428.4	2065.8	2238.7	2451.6	2449.5	2436.8	2409.4
11948.0	65°	14081.2	13432.0	7504.4	1911.9	1741.2	1981.5	2211.3	2228.1	2230.2	2228.1
12843.9	67.5°	13971.6	12692.1	5670.4	1522.0	1473.5	1720.1	1973.1	1996.2	2013.1	2017.3
12957.7	70°	12732.1	11066.8	3697.4	1214.2	1235.3	1490.3	1747.5	1770.7	1785.4	1802.3
11243.9	72.5°	9924.3	8136.8	2116.4	982.3	1026.6	1292.2	1524.1	1551.5	1559.9	1591.5
7824.8	75°	6047.8	4785.1	1142.5	773.6	843.2	1104.6	1302.7	1334.3	1349.1	1387.0
3842.8	77.5°	2875.3	2072.1	651.4	602.9	678.8	902.2	1100.4	1136.2	1096.1	1117.2
1060.3	80°	971.8	769.4	411.1	459.5	518.6	704.1	881.1	917.0	832.6	828.4
352.0	82.5°	339.4	312.0	261.4	305.7	335.2	503.8	666.1	712.5	619.7	617.6
158.1	85°	132.8	126.5	145.4	166.5	200.3	309.9	438.5	461.6	381.5	307.8
46.4	87.5°	27.4	29.5	35.8	37.9	61.1	107.5	158.1	193.9	153.9	130.7
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°
4544.8
4715.5
4964.3
5250.9
5577.7
5950.8
6410.3
6909.9
7181.8
7040.6
6661.2
6275.4
5938.1
5615.6
5267.8
4896.8
4568.0
4492.1
4289.7
3935.6
3366.4
2900.6
2742.5
2613.9
2546.4
2398.9
2228.1
2021.5
1810.7
1604.2
1391.3
1100.4
820.0
588.1
303.5
120.2
0.0

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