

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: P851303

Luminaire Tested: **GLAN-SB9B-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851303  
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-SB9B-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

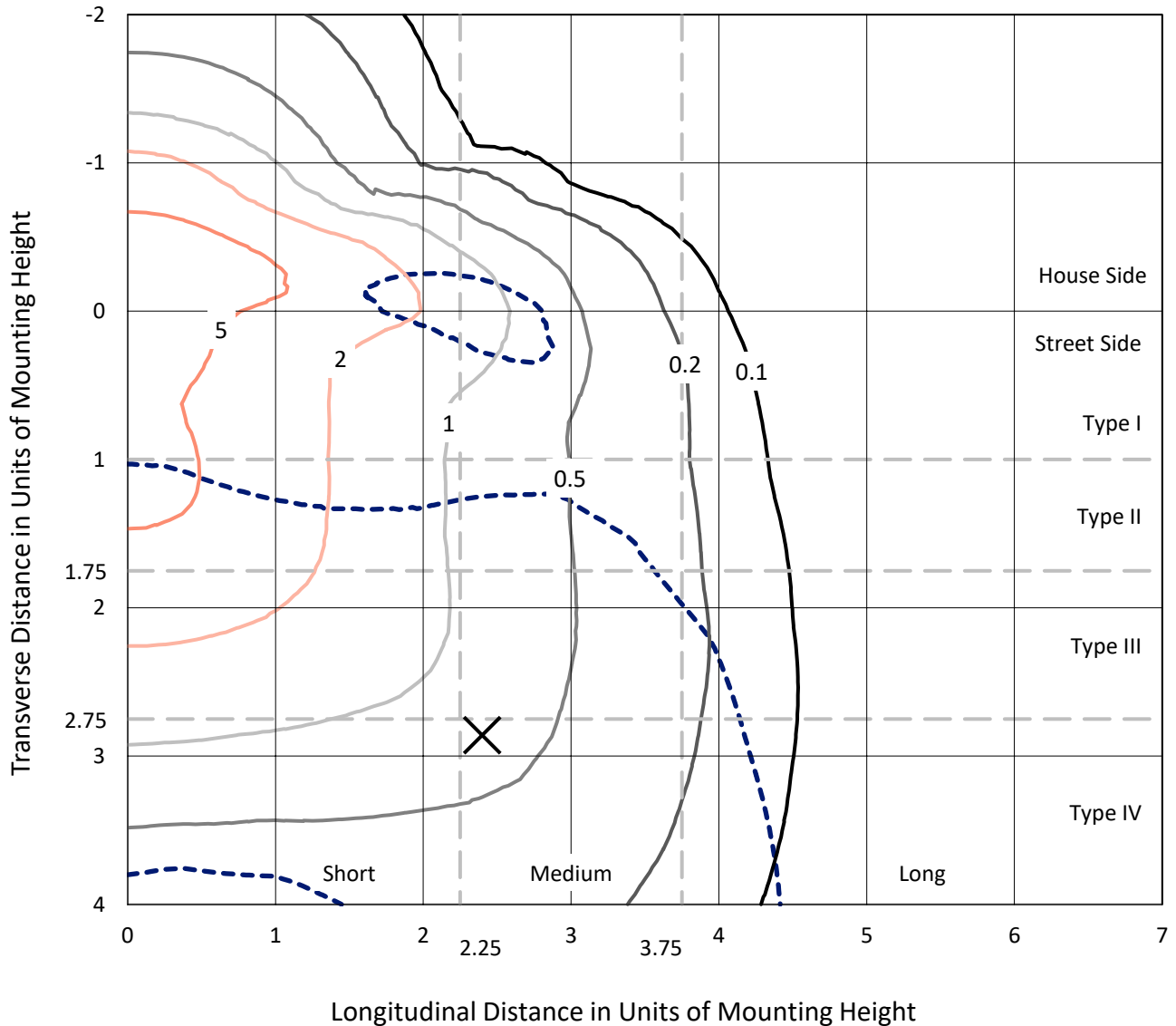
Lumens per Lamp: N/A  
Luminaire Lumens: 39757 lumens  
Efficiency: N/A  
Efficacy: 120.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): 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

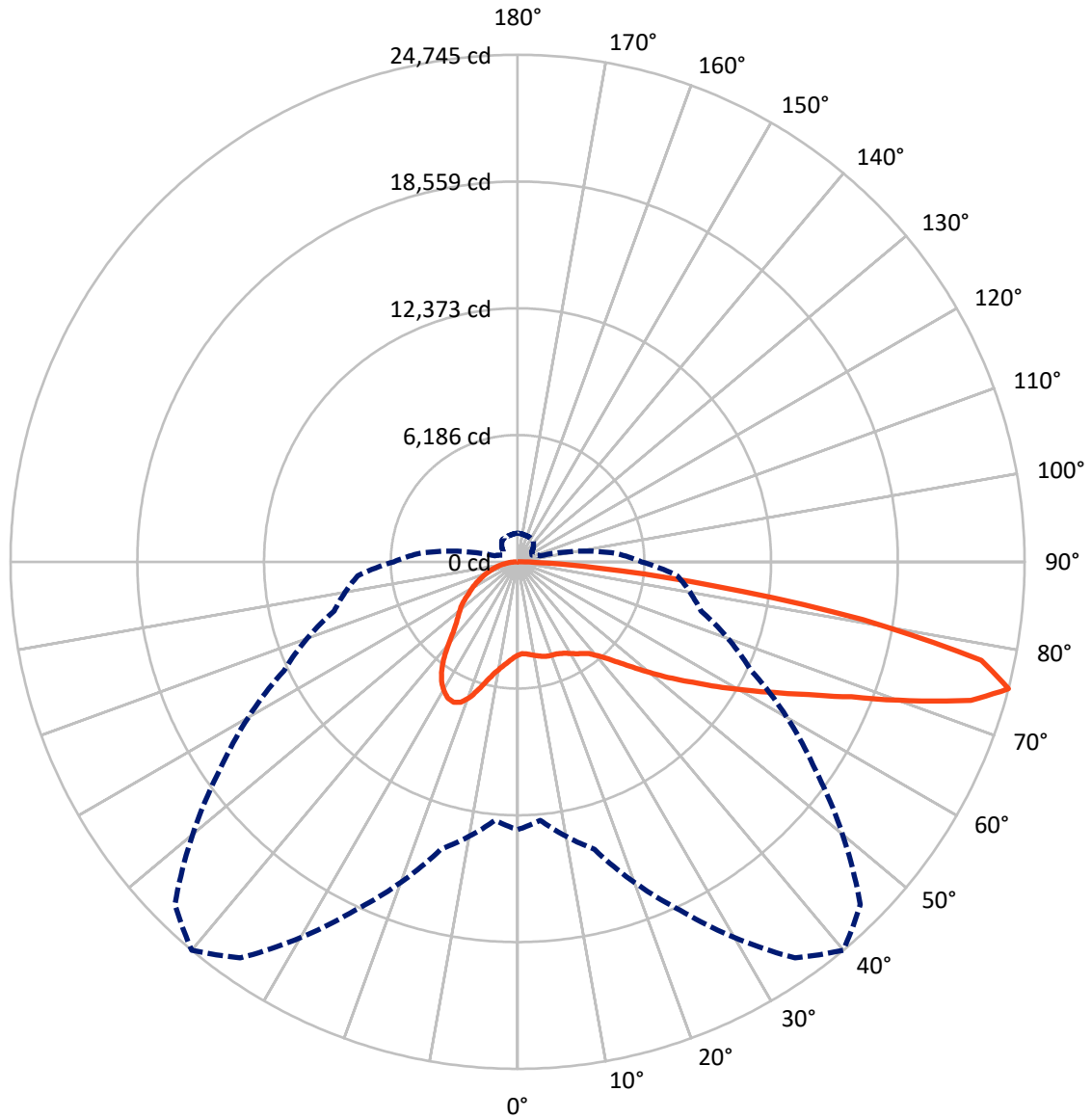
× Max cd  
 - - - 1/2 Max cd



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	12318.0	0.0	12318.0
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	27439.0	0.0	27439.0
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	39757.0	0.0	39757.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.8	1.1
10°-20°	1523.6	3.8
20°-30°	2782.0	7.0
30°-40°	3945.7	9.9
40°-50°	5327.8	13.4
50°-60°	7167.4	18.0
60°-70°	9097.0	22.9
70°-80°	8256.1	20.8
80°-90°	1203.5	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°	39757.0	100.0
0°-180°	39757.0	100.0

**Coefficient of Utilization**

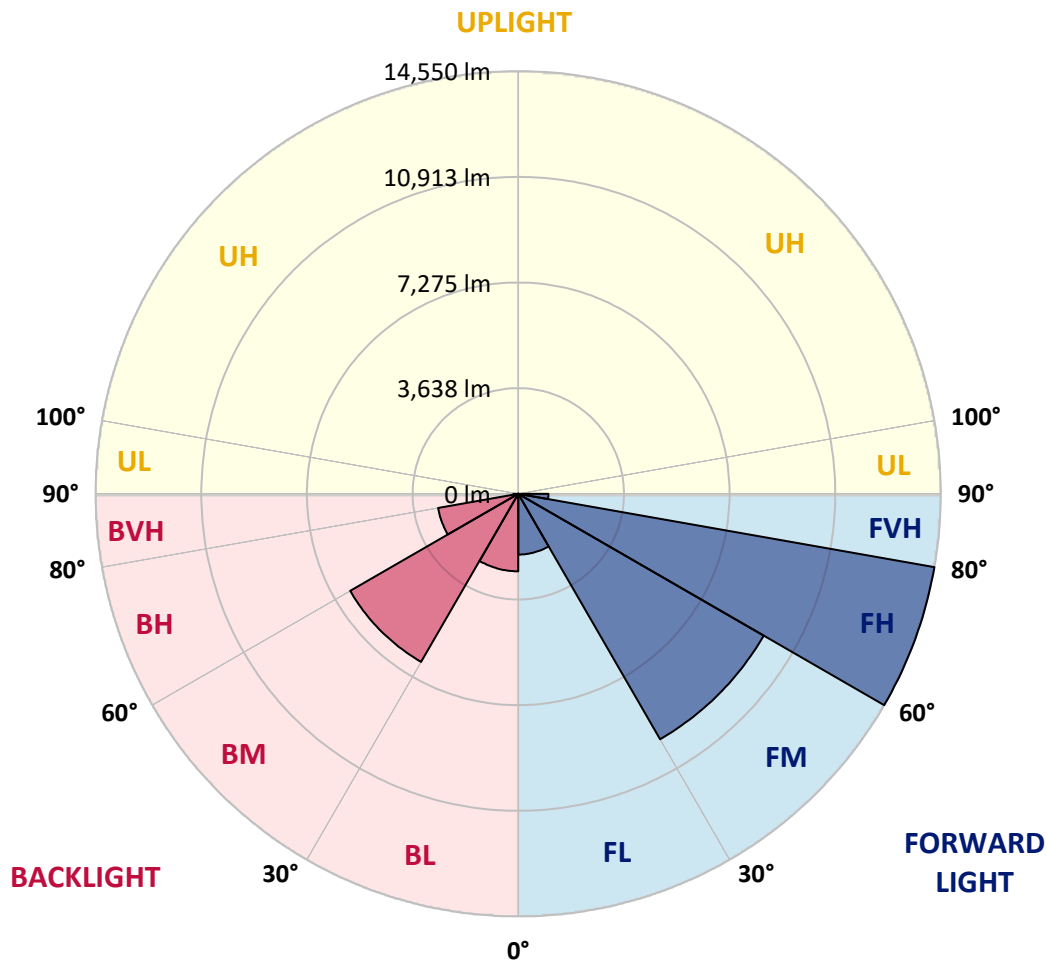


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2091.3	5.3			
FM (30°-60°)	9759.5	24.5			
FH (60°-80°)	14550.4	36.6			G5
FVH (80°-90°)	1037.8	2.6			G5
BL (0°-30°)	2668.2	6.7	B4/5000		
BM (30°-60°)	6681.4	16.8	B4/8500		
BH (60°-80°)	2802.7	7.0	B4/5000		G4/5000
BVH (80°-90°)	165.7	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°	4546.3	4546.3	4546.3	4546.3	4546.3	4546.3	4546.3	4546.3	4546.3	4546.3
2.5°	4476.7	4502.0	4495.7	4487.2	4487.2	4489.3	4487.2	4502.0	4516.7	4531.5
5°	4523.1	4548.4	4535.7	4525.2	4516.7	4514.6	4508.3	4506.2	4514.6	4533.6
7.5°	4613.7	4639.0	4620.1	4601.1	4584.2	4575.8	4567.4	4554.7	4548.4	4558.9
10°	4715.0	4740.3	4717.1	4683.3	4655.9	4645.4	4636.9	4624.3	4615.9	4622.2
12.5°	4816.2	4841.5	4809.8	4763.5	4727.6	4721.3	4710.7	4706.5	4704.4	4702.3
15°	4911.1	4932.2	4892.1	4837.3	4799.3	4788.8	4778.2	4784.5	4795.1	4807.7
17.5°	4984.9	5006.0	4946.9	4875.2	4839.4	4835.2	4828.8	4849.9	4879.4	4911.1
20°	5052.3	5073.4	4997.5	4900.5	4858.3	4858.3	4860.5	4904.7	4946.9	4993.3
22.5°	5147.2	5164.1	5071.3	4938.5	4877.3	4881.5	4898.4	4942.7	4995.4	5058.7
25°	5288.5	5301.2	5187.3	5010.2	4940.6	4953.2	4968.0	4989.1	5039.7	5113.5
27.5°	5516.2	5526.8	5377.1	5136.7	5031.3	5052.3	5073.4	5058.7	5081.9	5145.1
30°	5836.8	5843.1	5653.3	5334.9	5185.2	5195.7	5199.9	5138.8	5094.5	5145.1
32.5°	6216.3	6214.2	5988.6	5575.3	5360.2	5349.7	5313.8	5193.6	5090.3	5134.6
35°	6804.6	6781.4	6490.4	5912.7	5558.4	5493.1	5408.7	5254.8	5111.4	5124.0
37.5°	7778.8	7707.1	7304.4	6465.1	5853.6	5687.0	5562.6	5353.9	5157.8	5119.8
40°	8877.4	8786.8	8344.0	7222.2	6296.5	6028.7	5828.3	5495.2	5233.7	5138.8
42.5°	10180.6	10052.0	9575.4	8114.1	6857.4	6469.4	6167.8	5674.4	5345.4	5199.9
45°	11781.1	11610.3	10935.5	9119.9	7563.8	7047.1	6644.4	5946.4	5516.2	5318.0
47.5°	13398.4	13440.6	12481.1	10271.3	8411.4	7759.9	7241.1	6355.5	5765.1	5507.8
50°	15117.0	15146.5	14018.4	11547.0	9373.0	8565.4	7911.7	6813.1	6110.9	5777.7
52.5°	16458.1	16462.3	15414.3	12881.8	10374.6	9451.0	8635.0	7336.0	6511.5	6136.2
55°	17297.3	17286.8	16392.7	14144.9	11525.9	10380.9	9436.2	7930.7	7000.7	6557.9
57.5°	17906.7	17875.1	17067.5	15230.8	12753.2	11479.5	10343.0	8605.4	7578.5	7059.8
60°	18138.7	18119.7	17525.1	16169.2	14043.7	12694.1	11388.9	9360.3	8234.3	7652.3
62.5°	18227.2	18263.1	17974.2	17078.0	15424.8	14039.4	12538.1	10262.8	8972.3	8322.9
65°	18539.3	18604.7	18545.6	18267.3	16985.2	15614.6	14062.6	11336.1	9777.8	9041.9
67.5°	19157.2	19222.5	19247.8	19690.6	18891.5	17577.8	15964.6	12673.0	10720.4	9788.4
70°	19142.4	19123.4	19570.5	20823.0	21278.5	20295.8	18528.8	14317.8	11844.3	10408.3
72.5°	17423.8	17272.0	18328.5	20810.3	23264.8	23134.1	21660.1	16439.1	12814.3	10484.2
75°	13071.6	12666.7	14532.9	18754.4	23595.9	24745.1	23650.7	17754.9	12584.5	9263.3
77.5°	5590.1	5183.1	7382.4	13883.4	21118.2	23132.0	21824.6	15490.2	10045.6	6125.7
80°	1463.4	1461.3	2231.0	6294.3	14362.1	17082.2	14986.2	10003.5	5739.8	2188.8
82.5°	605.2	590.4	820.3	2448.2	7017.6	9586.0	7823.1	4461.9	2072.8	592.5
85°	225.6	223.5	398.5	845.6	2475.6	3953.7	2861.4	1140.8	516.6	288.9
87.5°	63.3	61.2	86.5	293.1	603.1	915.2	489.2	187.7	145.5	113.9
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°
4546.3	0°	4546.3	4546.3	4546.3	4546.3	4546.3	4546.3	4546.3	4546.3	4546.3	4546.3
4554.7	2.5°	4561.0	4571.6	4590.5	4605.3	4624.3	4645.4	4674.9	4693.9	4712.8	4725.5
4565.2	5°	4580.0	4603.2	4651.7	4700.2	4757.1	4809.8	4871.0	4915.3	4951.1	4961.7
4603.2	7.5°	4622.2	4660.1	4742.4	4824.6	4915.3	5001.7	5090.3	5166.2	5227.4	5250.6
4670.7	10°	4696.0	4746.6	4862.6	4978.5	5098.7	5231.6	5345.4	5455.1	5541.6	5577.4
4750.8	12.5°	4788.8	4852.0	5003.8	5164.1	5330.7	5514.1	5661.7	5796.7	5904.2	5952.7
4862.6	15°	4909.0	4991.2	5185.2	5400.3	5644.9	5900.0	6087.7	6237.4	6357.6	6416.6
4978.5	17.5°	5039.7	5149.3	5393.9	5718.7	6068.7	6404.0	6623.3	6732.9	6857.4	6914.3
5086.1	20°	5166.2	5301.2	5651.2	6123.5	6589.6	6945.9	7123.0	7152.6	7161.0	7167.3
5187.3	22.5°	5296.9	5478.3	5973.8	6633.8	7133.6	7380.3	7405.6	7279.1	7102.0	7019.7
5286.4	25°	5440.3	5680.7	6395.6	7196.8	7601.7	7631.2	7437.2	7129.4	6794.1	6640.2
5366.5	27.5°	5579.5	5914.8	6901.6	7734.6	7939.1	7679.7	7262.2	6825.7	6420.9	6258.5
5423.5	30°	5718.7	6182.6	7460.4	8204.8	8093.0	7559.5	6986.0	6498.9	6091.9	5921.1
5474.1	32.5°	5860.0	6494.7	8103.6	8544.3	8065.6	7304.4	6642.3	6132.0	5773.5	5594.3
5518.4	35°	6020.2	6878.4	8713.0	8729.8	7882.2	6929.0	6188.9	5693.4	5381.3	5237.9
5571.1	37.5°	6229.0	7365.5	9250.7	8776.2	7561.6	6378.7	5625.9	5174.6	4917.4	4852.0
5649.1	40°	6488.3	7951.7	9661.9	8702.4	7087.2	5710.2	5010.2	4649.6	4504.1	4518.9
5754.5	42.5°	6825.7	8607.5	9950.8	8512.7	6427.2	5020.7	4470.4	4310.1	4379.7	4438.7
5912.7	45°	7264.3	9288.6	10130.0	8190.0	5680.7	4436.6	4151.9	4189.9	4242.6	4248.9
6167.8	47.5°	7825.2	9978.2	10248.1	7702.9	4919.5	4025.4	3949.5	3958.0	3947.4	3903.1
6549.5	50°	8525.3	10648.7	10353.5	7057.7	4272.1	3768.2	3667.0	3637.4	3491.9	3348.5
7057.7	52.5°	9322.4	11264.4	10397.8	6256.4	3768.2	3553.1	3388.6	3203.1	2931.0	2886.8
7696.6	55°	10208.0	11833.8	10283.9	5271.6	3344.3	3276.9	3028.0	2804.5	2775.0	2737.0
8538.0	57.5°	11266.6	12447.4	10052.0	4173.0	2909.9	2954.2	2711.7	2737.0	2684.3	2625.3
9619.7	60°	12424.2	13082.1	9645.0	3171.4	2460.8	2551.5	2629.5	2627.4	2612.6	2564.1
10760.5	62.5°	13465.9	13499.6	8843.7	2429.2	2066.5	2239.4	2452.4	2450.3	2437.6	2410.2
11951.9	65°	14085.8	13436.4	7506.8	1912.6	1741.8	1982.1	2212.0	2228.9	2231.0	2228.9
12848.1	67.5°	13976.2	12696.2	5672.3	1522.5	1474.0	1720.7	1973.7	1996.9	2013.8	2018.0
12961.9	70°	12736.3	11070.5	3698.6	1214.6	1235.7	1490.8	1748.1	1771.3	1786.0	1802.9
11247.6	72.5°	9927.6	8139.4	2117.1	982.6	1026.9	1292.6	1524.6	1552.0	1560.4	1592.0
7827.3	75°	6049.7	4786.7	1142.9	773.9	843.5	1104.9	1303.2	1334.8	1349.5	1387.5
3844.1	77.5°	2876.2	2072.8	651.6	603.1	679.0	902.5	1100.7	1136.6	1096.5	1117.6
1060.7	80°	972.1	769.7	411.2	459.7	518.7	704.3	881.4	917.3	832.9	828.7
352.1	82.5°	339.5	312.1	261.5	305.8	335.3	504.0	666.3	712.7	619.9	617.8
158.1	85°	132.8	126.5	145.5	166.6	200.3	310.0	438.6	461.8	381.7	307.9
46.4	87.5°	27.4	29.5	35.8	38.0	61.2	107.5	158.1	194.0	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

(END O



<u>180°</u>
4546.3
4717.1
4965.9
5252.7
5579.5
5952.7
6412.4
6912.2
7184.2
7042.9
6663.4
6277.5
5940.1
5617.5
5269.5
4898.4
4569.5
4493.5
4291.1
3936.9
3367.5
2901.5
2743.4
2614.7
2547.3
2399.7
2228.9
2022.2
1811.3
1604.7
1391.7
1100.7
820.3
588.3
303.6
120.2
0.0

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