

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: P851428

Luminaire Tested: **GLAN-SB9B-927-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851428  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9B-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

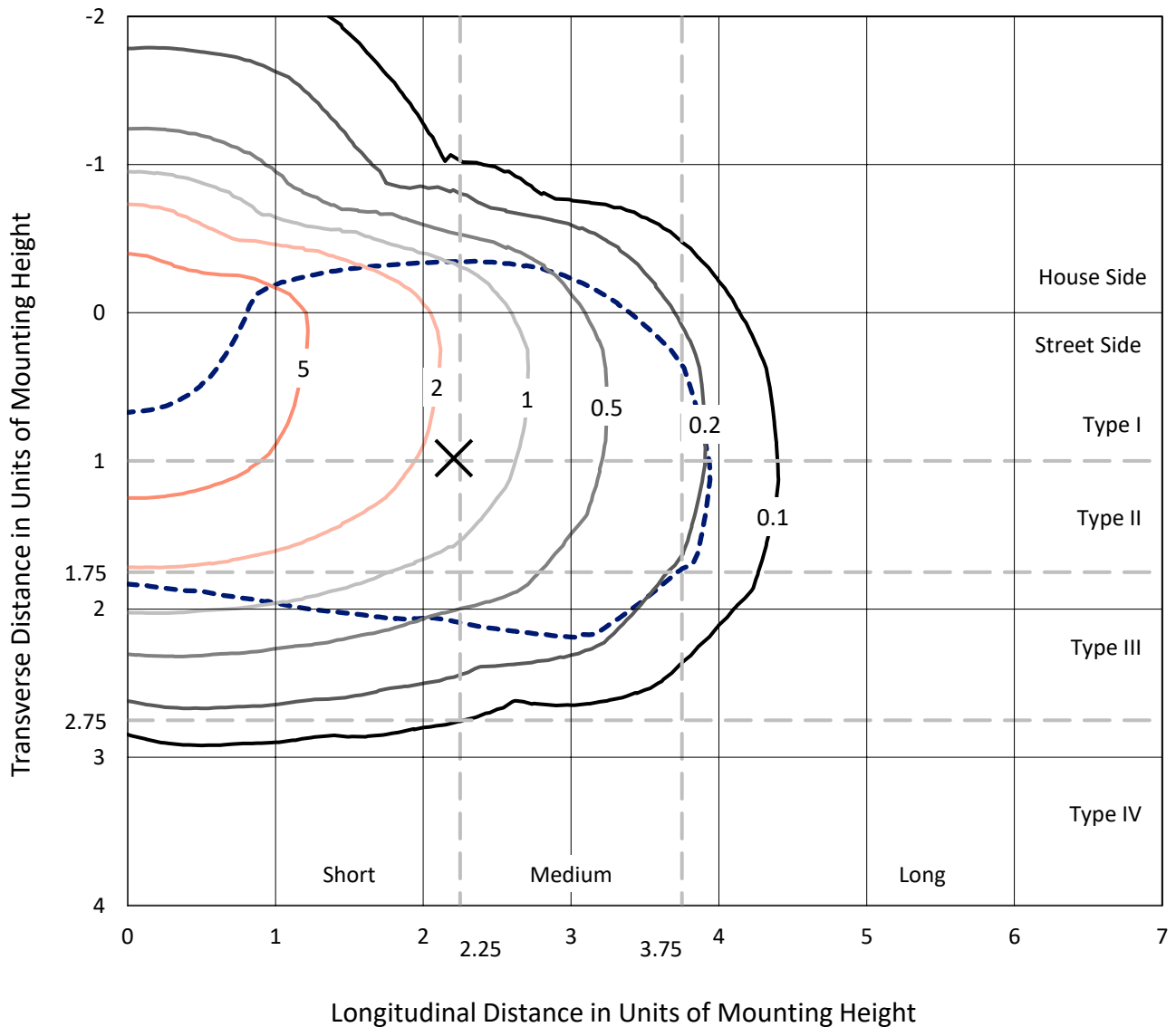
Lumens per Lamp: N/A  
Luminaire Lumens: 33052 lumens  
Efficiency: N/A  
Efficacy: 100.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): 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

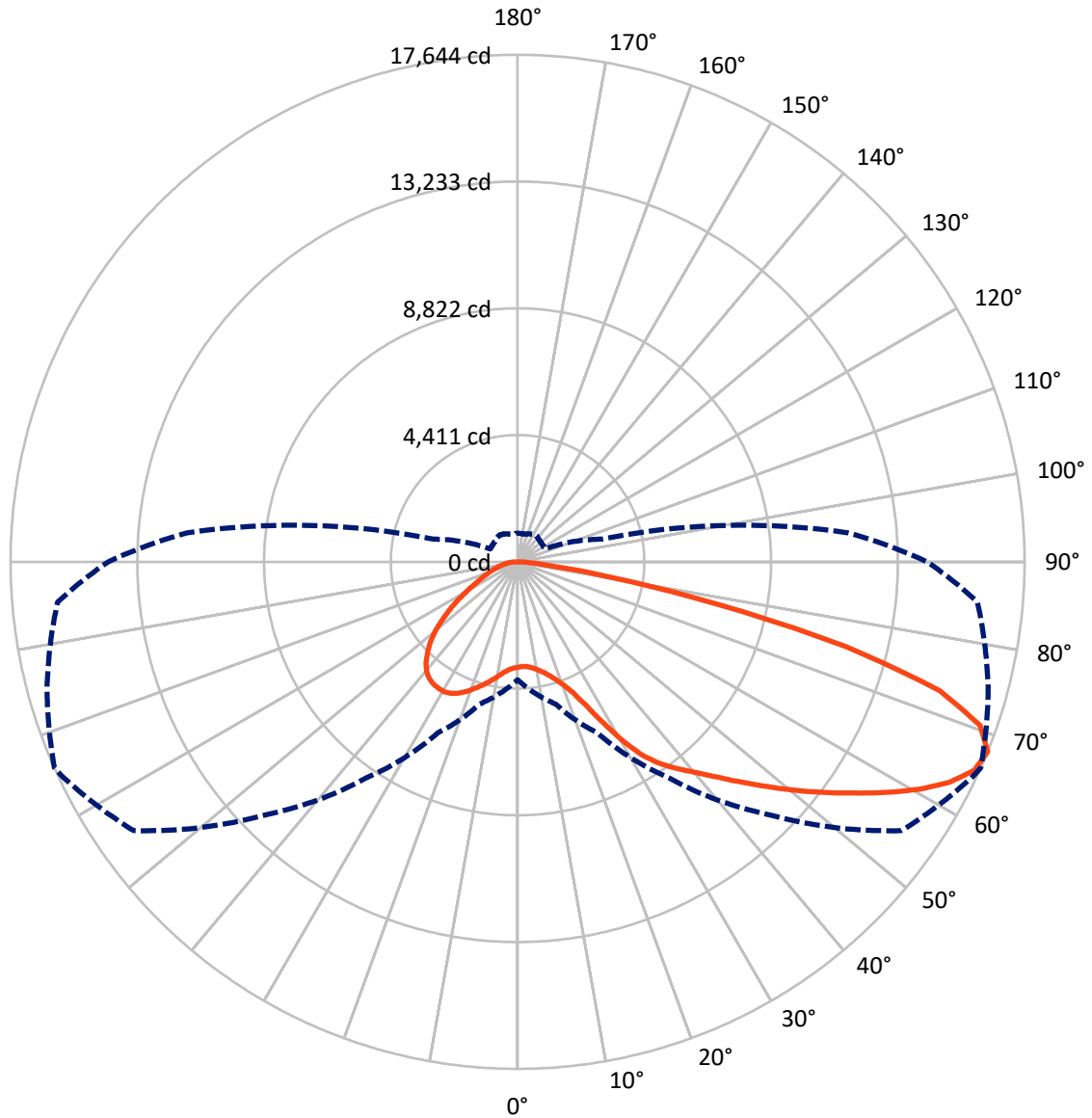
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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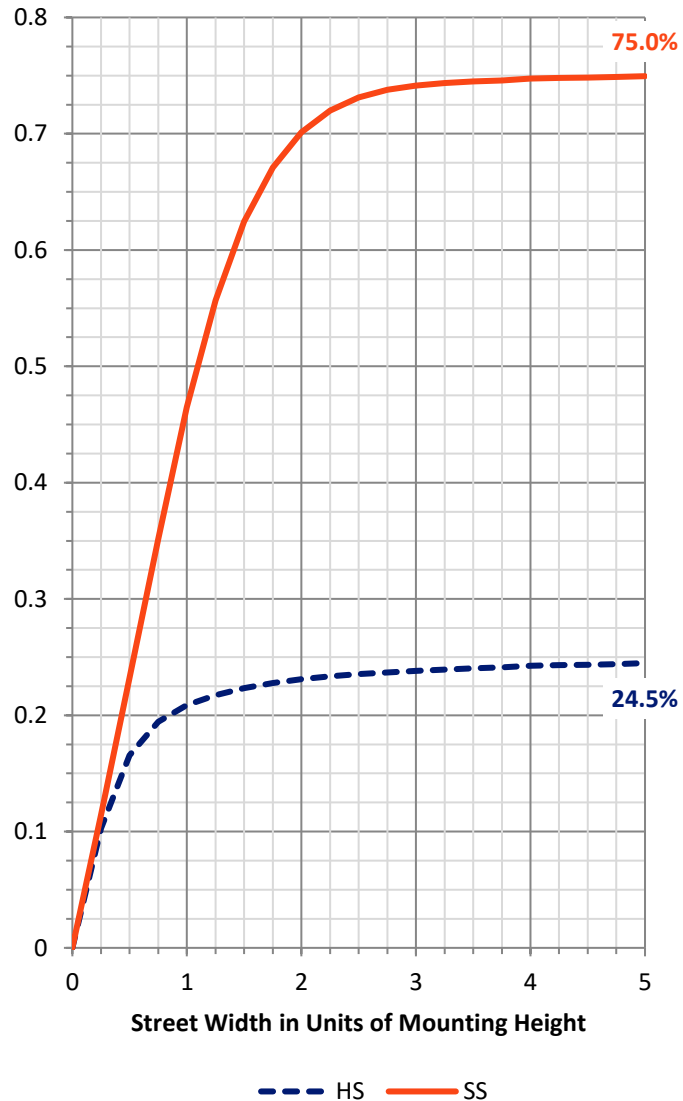
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8218.3	0.0	8218.3
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	24833.7	0.0	24833.7
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	33052.0	0.0	33052.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	363.5	1.1
10°-20°	1200.8	3.6
20°-30°	2314.5	7.0
30°-40°	4058.2	12.3
40°-50°	6033.2	18.3
50°-60°	7647.7	23.1
60°-70°	7483.1	22.6
70°-80°	3569.5	10.8
80°-90°	381.5	1.2
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°	33052.0	100.0
0°-180°	33052.0	100.0

**Coefficient of Utilization**

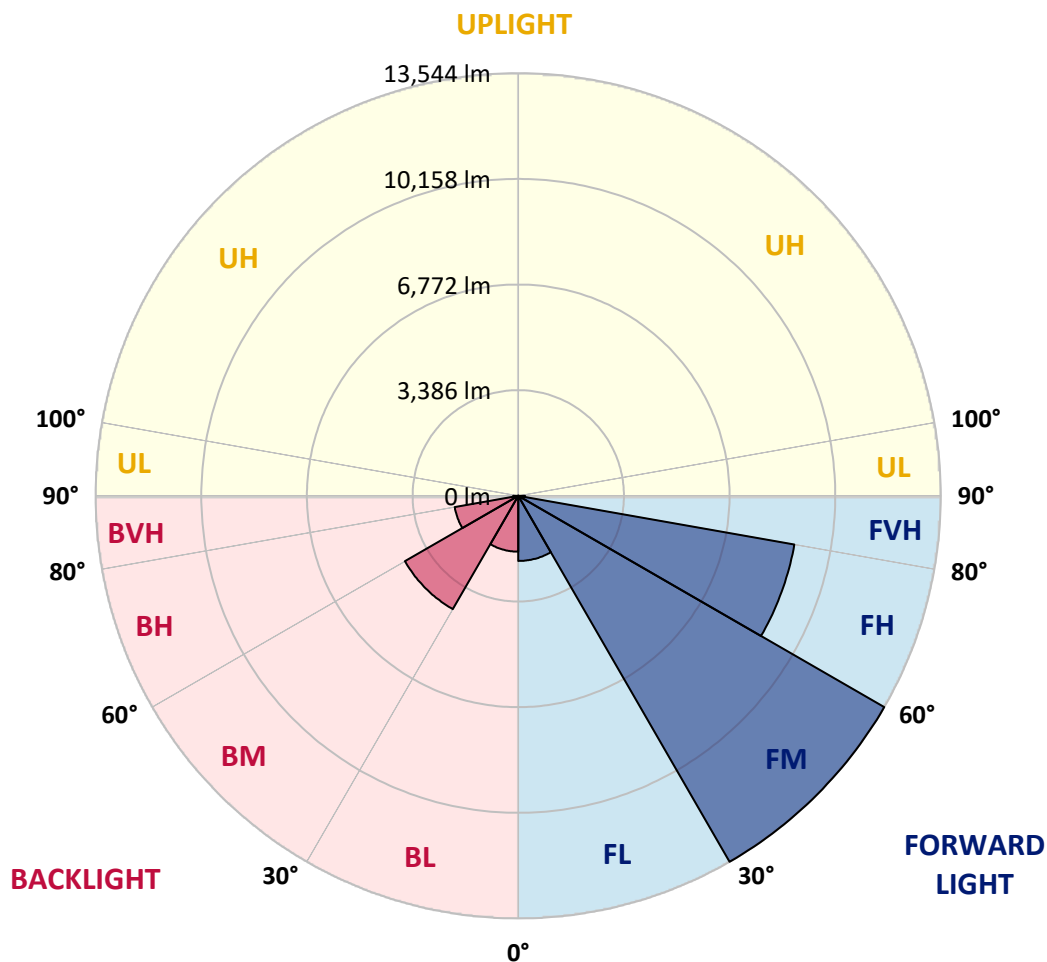


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2088.6	6.3			
FM (30°-60°)	13544.4	41.0			
FH (60°-80°)	8984.4	27.2			G4/12000
FVH (80°-90°)	216.3	0.7			G2/225
BL (0°-30°)	1790.2	5.4	B3/2500		
BM (30°-60°)	4194.7	12.7	B3/5000		
BH (60°-80°)	2068.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	165.2	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3665.9	3665.9	3665.9	3665.9	3665.9	3665.9	3665.9	3665.9	3665.9	3665.9
2.5°	3627.7	3648.5	3643.3	3634.6	3632.9	3636.4	3641.6	3646.8	3645.1	3653.7
5°	3617.3	3638.1	3636.4	3636.4	3643.3	3657.2	3665.9	3674.6	3665.9	3676.3
7.5°	3624.2	3639.9	3646.8	3653.7	3671.1	3697.2	3718.0	3737.1	3726.7	3738.8
10°	3712.8	3724.9	3731.9	3731.9	3744.0	3773.6	3794.4	3829.1	3820.5	3839.6
12.5°	3874.3	3886.4	3886.4	3879.5	3888.2	3907.3	3914.2	3952.4	3936.8	3968.1
15°	4072.3	4096.6	4077.5	4065.3	4068.8	4087.9	4086.2	4115.7	4100.0	4126.1
17.5°	4291.1	4322.3	4291.1	4289.3	4282.4	4303.2	4305.0	4331.0	4303.2	4322.3
20°	4549.8	4593.2	4567.2	4575.9	4560.2	4568.9	4577.6	4615.8	4572.4	4586.3
22.5°	4914.5	4966.6	4938.8	4971.8	4961.4	4954.4	4952.7	5020.4	4952.7	4957.9
25°	5445.9	5508.4	5459.8	5504.9	5504.9	5527.5	5553.6	5640.4	5527.5	5494.5
27.5°	6230.8	6293.3	6197.8	6225.6	6216.9	6272.5	6244.7	6460.0	6338.5	6284.7
30°	7175.5	7286.7	7106.1	7099.1	7090.4	7179.0	7218.9	7361.3	7238.0	7184.2
32.5°	8196.6	8313.0	8097.6	8035.1	8002.1	8056.0	8023.0	8137.6	8052.5	7969.1
35°	9276.8	9391.4	9186.5	9064.9	8932.9	8820.0	8702.0	8731.5	8651.6	8524.8
37.5°	10297.9	10508.0	10290.9	10160.7	9917.6	9697.0	9367.1	9229.9	9155.2	9038.9
40°	11338.1	11457.9	11292.9	11181.8	10917.8	10572.3	10044.3	9754.3	9653.6	9540.7
42.5°	12103.9	12218.5	12130.0	12053.5	11846.9	11445.7	10763.3	10400.3	10254.5	10127.7
45°	12711.7	12796.8	12741.2	12769.0	12680.4	12291.5	11508.3	11093.2	10942.1	10787.6
47.5°	12956.6	13046.9	13135.4	13300.4	13451.5	13165.0	12308.8	11843.4	11683.7	11525.6
50°	12928.8	13020.8	13277.8	13628.6	14097.5	14002.0	13152.8	12642.2	12494.6	12314.0
52.5°	12706.5	12810.7	13140.6	13724.1	14470.9	14628.9	14012.4	13467.1	13328.2	13112.9
55°	12123.0	12185.5	12680.4	13507.1	14559.4	15066.5	14854.6	14345.8	14206.9	13906.5
57.5°	11041.1	11131.4	11852.1	12921.8	14337.1	15363.5	15594.4	15269.7	15136.0	14703.6
60°	9629.3	9773.4	10598.3	11938.9	13771.0	15361.7	16266.5	16177.9	16066.8	15488.5
62.5°	8031.6	8198.4	8992.0	10549.7	12781.2	14925.8	16686.7	16938.5	16881.2	16212.6
65°	6168.3	6282.9	7073.1	8752.3	11240.8	13989.8	16735.3	17457.8	17468.2	16763.1
67.5°	4107.0	4436.9	5122.9	6567.7	9177.8	12459.9	16308.1	17542.9	17643.6	16952.4
70°	2004.0	2438.1	3110.2	4268.5	6567.7	10113.8	15191.5	16844.7	17068.8	16400.2
72.5°	831.8	972.5	1338.9	2106.5	3770.1	6824.7	12947.9	14951.9	15366.9	14531.6
75°	560.9	607.8	765.8	1080.1	1717.5	3365.5	9337.5	11148.8	11817.4	10975.1
77.5°	432.4	461.9	557.4	755.4	1021.1	1272.9	4997.9	6718.8	7064.4	6539.9
80°	340.4	362.9	416.8	550.5	724.2	680.7	1703.6	3044.2	3243.9	2721.2
82.5°	295.2	303.9	298.7	373.4	481.0	397.7	559.2	1123.6	1239.9	899.5
85°	213.6	237.9	248.3	231.0	255.3	201.4	229.2	397.7	437.6	390.7
87.5°	86.8	128.5	158.0	149.3	93.8	57.3	71.2	116.4	133.7	145.9
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°
3665.9	0°	3665.9	3665.9	3665.9	3665.9	3665.9	3665.9	3665.9	3665.9	3665.9	3665.9
3667.6	2.5°	3669.4	3681.5	3690.2	3700.6	3707.6	3718.0	3738.8	3751.0	3752.7	3761.4
3695.4	5°	3702.4	3719.7	3738.8	3766.6	3797.9	3823.9	3863.9	3891.7	3902.1	3910.8
3763.2	7.5°	3773.6	3797.9	3832.6	3881.2	3926.4	3961.1	4009.7	4042.7	4075.7	4087.9
3870.8	10°	3879.5	3914.2	3964.6	4030.6	4079.2	4124.4	4174.7	4202.5	4235.5	4249.4
3999.3	12.5°	4011.5	4047.9	4113.9	4206.0	4251.1	4282.4	4299.8	4292.8	4299.8	4311.9
4153.9	15°	4162.6	4202.5	4277.2	4376.2	4407.4	4379.6	4341.4	4306.7	4301.5	4305.0
4341.4	17.5°	4341.4	4371.0	4457.8	4541.1	4518.6	4403.9	4320.6	4265.0	4237.2	4228.6
4581.1	20°	4591.5	4591.5	4662.7	4714.8	4563.7	4369.2	4239.0	4148.7	4091.4	4067.1
4907.6	22.5°	4895.4	4867.6	4912.8	4876.3	4555.0	4272.0	4091.4	3935.1	3848.2	3813.5
5364.3	25°	5280.9	5247.9	5235.8	5010.0	4492.5	4117.4	3823.9	3634.6	3558.2	3539.1
6022.4	27.5°	5862.7	5779.3	5621.3	5082.9	4377.9	3874.3	3511.3	3336.0	3292.5	3294.3
6868.1	30°	6637.2	6470.5	6083.2	5095.1	4190.3	3530.5	3191.8	3066.8	3045.9	3054.6
7578.4	32.5°	7354.4	7196.4	6555.6	5039.5	3902.1	3193.6	2905.3	2821.9	2790.7	2801.1
8120.2	35°	7917.0	7873.6	6993.2	4961.4	3547.8	2877.5	2648.3	2577.1	2516.3	2502.4
8630.8	37.5°	8448.4	8431.1	7321.4	4852.0	3197.0	2653.5	2441.6	2347.8	2259.3	2210.7
9195.1	40°	9031.9	9014.5	7536.7	4683.5	2886.2	2459.0	2255.8	2132.5	2023.1	1934.5
9834.2	42.5°	9688.3	9585.9	7639.2	4442.2	2622.2	2294.0	2104.7	1938.0	1793.9	1712.3
10556.6	45°	10405.5	10174.6	7637.4	4134.8	2399.9	2142.9	1943.2	1707.1	1573.3	1496.9
11298.1	47.5°	11166.2	10737.2	7543.7	3794.4	2184.6	1976.2	1693.2	1512.6	1424.0	1377.1
12103.9	50°	11951.1	11263.4	7383.9	3403.7	1964.1	1786.9	1536.9	1413.6	1345.8	1302.4
12902.7	52.5°	12689.1	11741.0	7191.1	2960.9	1740.0	1602.9	1467.4	1371.9	1300.7	1252.1
13677.2	55°	13375.1	12152.5	6918.5	2507.6	1557.7	1479.6	1434.4	1354.5	1272.9	1215.6
14463.9	57.5°	13984.6	12420.0	6447.9	2082.1	1427.5	1394.5	1399.7	1325.0	1231.2	1182.6
15238.4	60°	14491.7	12616.2	5751.5	1687.9	1321.5	1311.1	1345.8	1269.4	1160.0	1104.5
15893.1	62.5°	14795.6	12612.7	4897.1	1382.3	1231.2	1234.7	1274.6	1200.0	1088.8	1036.7
16235.2	65°	14769.5	12303.6	3959.4	1182.6	1144.4	1147.9	1200.0	1123.6	1029.8	998.5
16063.3	67.5°	14246.8	11549.9	3037.3	1052.4	1048.9	1064.5	1125.3	1071.5	993.3	989.8
15038.7	70°	12831.5	9985.3	2188.1	948.2	949.9	972.5	1052.4	1038.5	974.2	981.2
12644.0	72.5°	10289.2	7613.1	1469.1	838.8	840.5	877.0	982.9	1012.4	955.1	1047.2
8971.1	75°	6852.5	4747.8	944.7	722.4	724.2	771.0	922.1	962.1	903.0	1043.7
4667.9	77.5°	3292.5	2134.2	684.2	607.8	607.8	651.2	797.1	861.3	769.3	811.0
1500.4	80°	1137.5	802.3	538.3	489.7	479.3	508.8	672.1	746.7	663.4	611.3
489.7	82.5°	448.0	416.8	432.4	380.3	345.6	364.7	522.7	616.5	488.0	441.1
276.1	85°	257.0	270.9	305.6	251.8	199.7	224.0	383.8	442.8	368.2	324.7
90.3	87.5°	69.5	95.5	140.7	130.2	90.3	95.5	182.3	244.9	211.9	163.2
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°
3665.9
3759.7
3909.0
4089.6
4256.3
4315.4
4317.1
4240.7
4061.8
3808.3
3542.6
3299.5
3084.2
2815.0
2512.8
2212.4
1943.2
1717.5
1493.5
1366.7
1286.8
1231.2
1193.0
1151.3
1080.1
1021.1
996.8
995.1
979.4
1061.0
1052.4
743.3
573.1
439.4
331.7
168.4
0.0

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