

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: P849946

Luminaire Tested: **GLAN-SB7B-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB7B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31029 lumens
Efficiency: N/A
Efficacy: 120.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

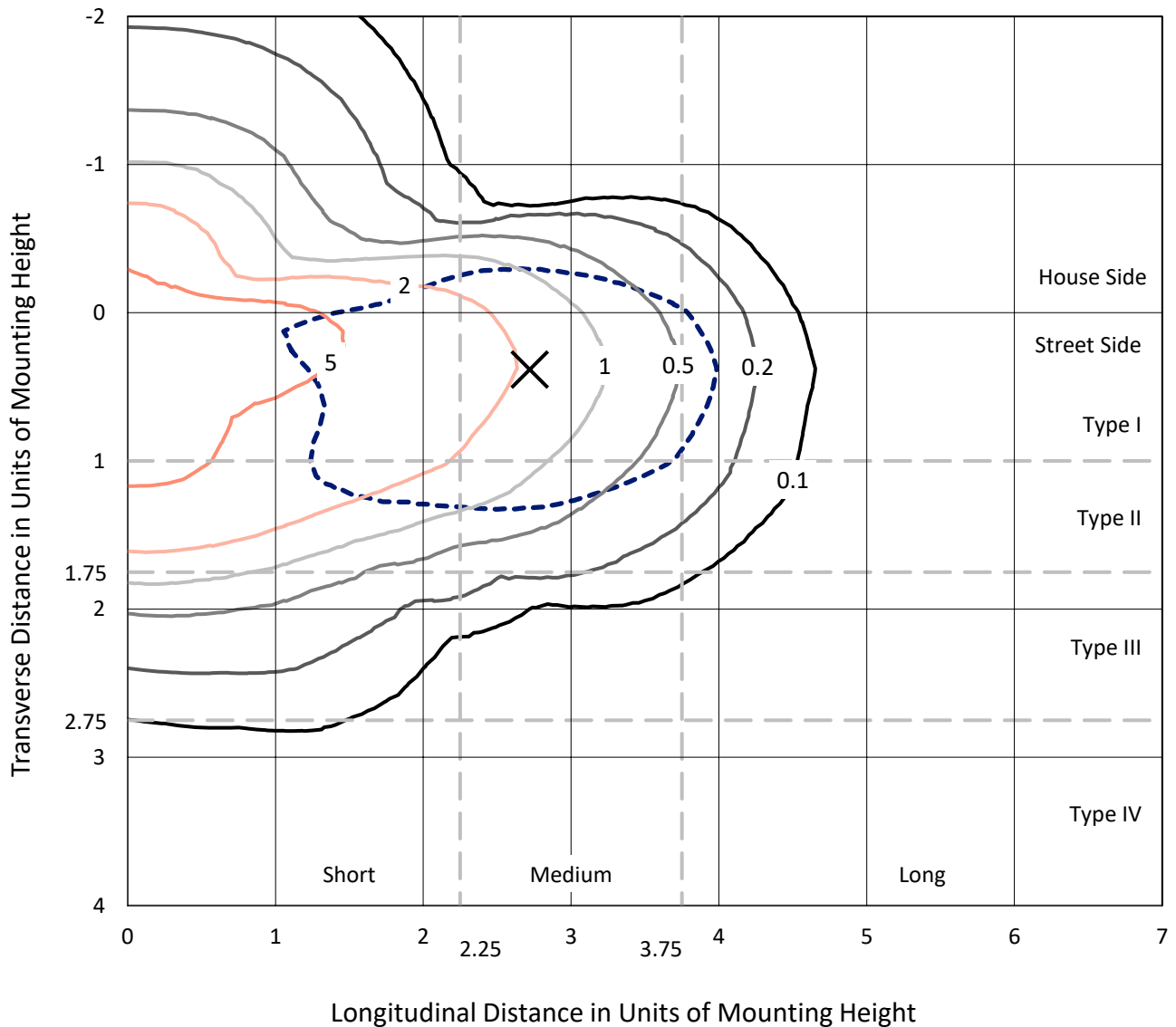
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849946
 CATALOG NUMBER: GLAN-SB7B-722-U-T2

Iso-Footcandle Lines of Horizontal Illumination

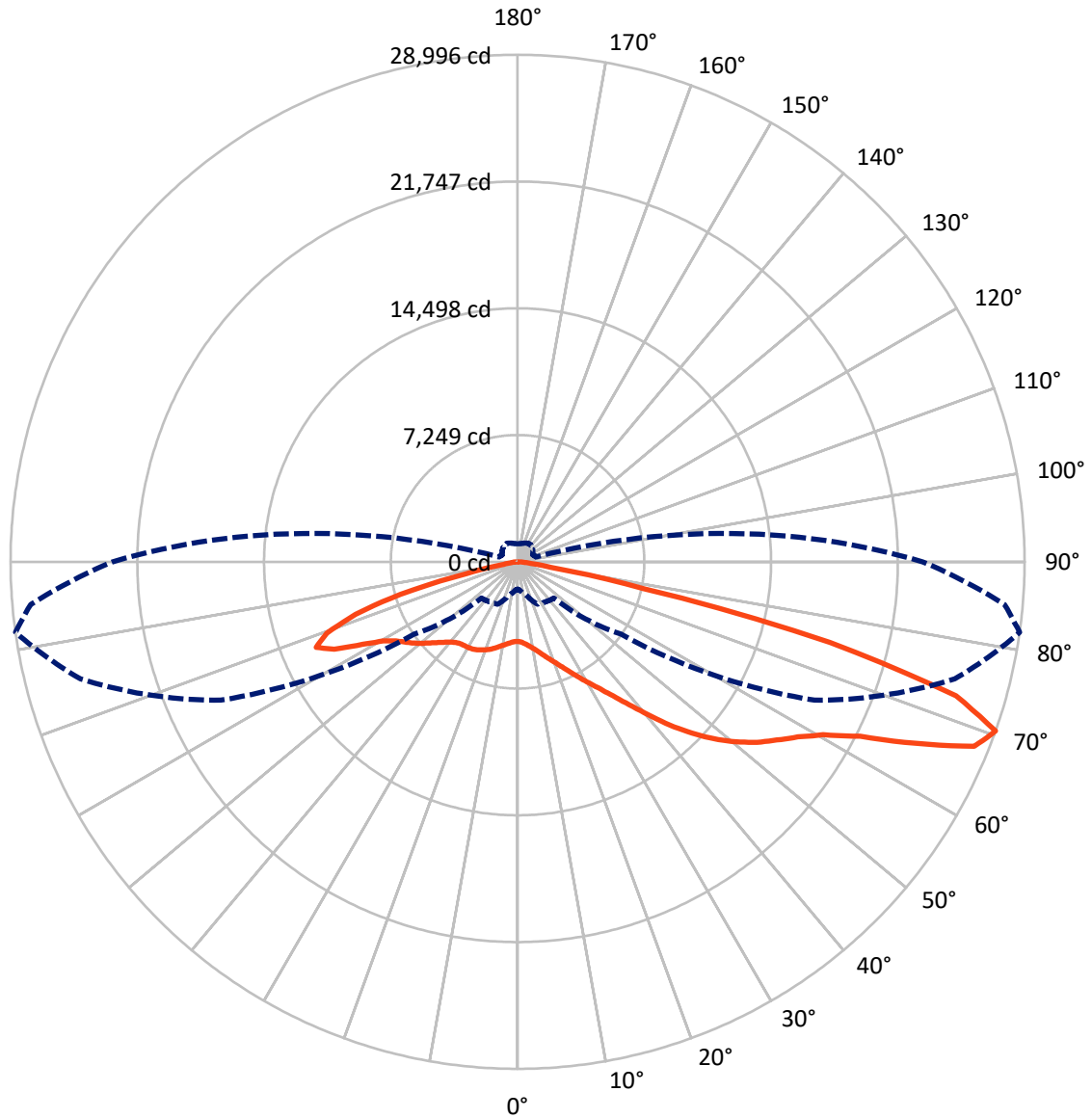
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P849946
CATALOG NUMBER: GLAN-SB7B-722-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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 CATALOG NUMBER: GLAN-SB7B-722-U-T2

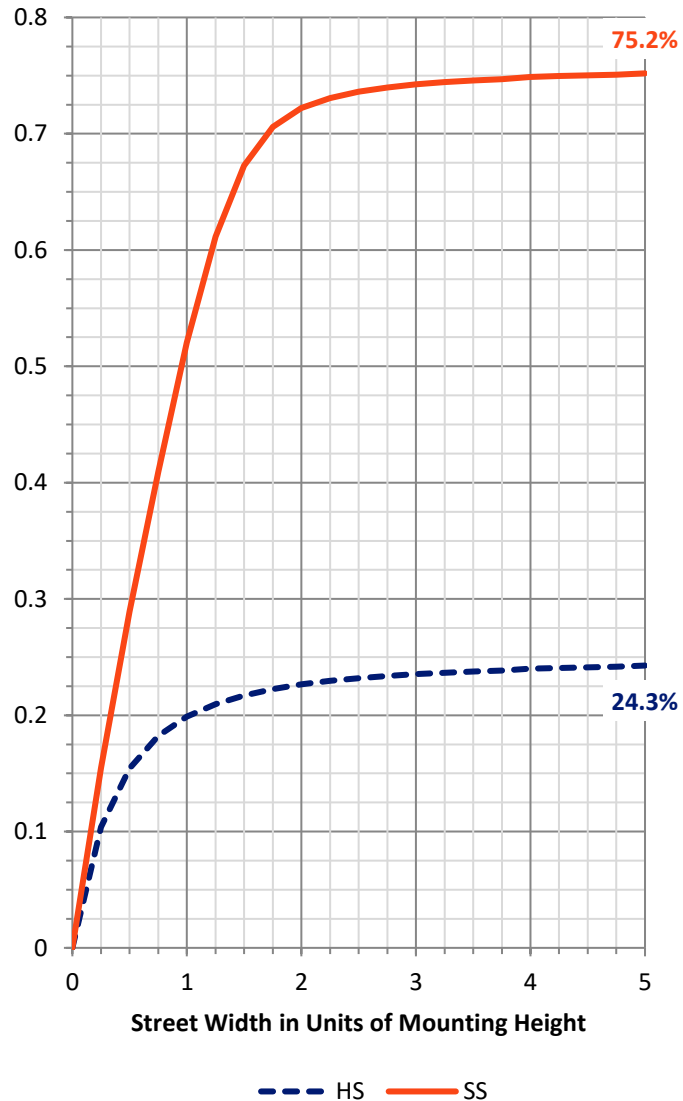
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7649.4	0.0	7649.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	23379.6	0.0	23379.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	31029.0	0.0	31029.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.5	1.4
10°-20°	1234.1	4.0
20°-30°	2064.5	6.7
30°-40°	3225.2	10.4
40°-50°	5136.5	16.6
50°-60°	7148.1	23.0
60°-70°	7477.3	24.1
70°-80°	3908.0	12.6
80°-90°	405.8	1.3
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°	31029.0	100.0
0°-180°	31029.0	100.0

Coefficient of Utilization



REPORT NUMBER: P849946

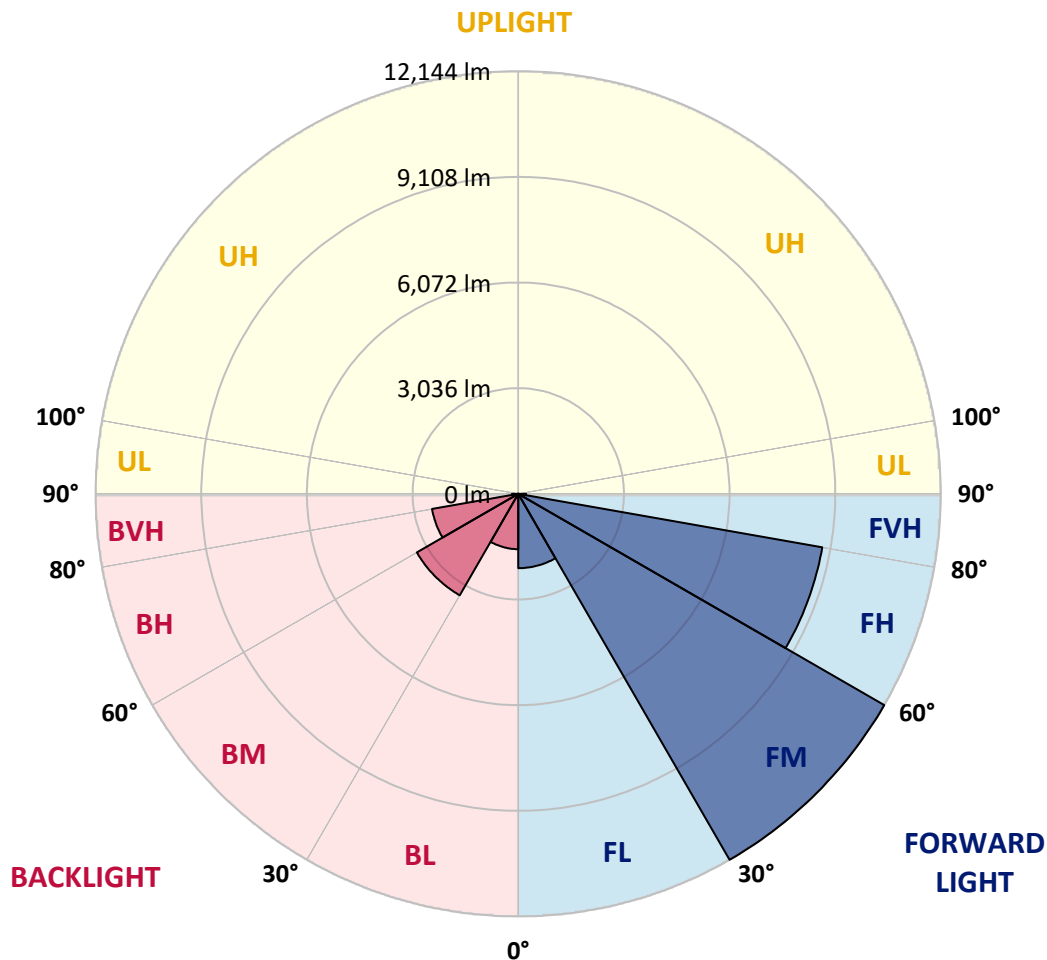
CATALOG NUMBER: GLAN-SB7B-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2136.7	6.9			
FM (30°-60°)	12144.4	39.1			
FH (60°-80°)	8871.3	28.6			G4/12000
FVH (80°-90°)	227.2	0.7			G3/500
BL (0°-30°)	1591.4	5.1	B3/2500		
BM (30°-60°)	3365.4	10.8	B3/5000		
BH (60°-80°)	2514.0	8.1	B4/5000		G4/5000
BVH (80°-90°)	178.6	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Medium



REPORT NUMBER: P849946

CATALOG NUMBER: GLAN-SB7B-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4549.2	4549.2	4549.2	4549.2	4549.2	4549.2	4549.2	4549.2	4549.2	4549.2
2.5°	4657.9	4684.3	4676.0	4667.8	4667.8	4656.3	4654.6	4638.1	4625.0	4603.6
5°	4717.2	4745.2	4741.9	4748.5	4769.9	4774.8	4779.7	4769.9	4743.5	4717.2
7.5°	4664.5	4695.8	4705.7	4745.2	4811.0	4870.3	4914.8	4932.9	4908.2	4870.3
10°	4486.7	4521.2	4555.8	4649.7	4766.6	4906.5	5025.1	5095.9	5090.9	5054.7
12.5°	4126.1	4162.3	4236.4	4419.2	4633.2	4880.2	5100.8	5249.0	5300.0	5273.7
15°	3838.0	3869.2	3925.2	4112.9	4391.2	4766.6	5128.8	5416.9	5547.0	5532.2
17.5°	3829.7	3842.9	3877.5	3966.4	4180.4	4588.8	5099.2	5581.6	5830.2	5828.6
20°	3974.6	3979.6	3999.3	4017.4	4139.3	4453.7	5023.4	5718.2	6148.0	6148.0
22.5°	4175.5	4172.2	4192.0	4175.5	4234.8	4442.2	4975.7	5838.4	6502.0	6528.3
25°	4476.8	4460.3	4455.4	4417.5	4429.0	4549.2	5028.4	5975.1	6921.8	6976.2
27.5°	4878.5	4852.2	4834.1	4746.8	4717.2	4769.9	5189.7	6139.7	7389.4	7483.3
30°	5402.1	5354.4	5328.0	5176.6	5069.5	5077.8	5433.4	6358.7	7878.4	8029.9
32.5°	6116.7	6042.6	5971.8	5723.2	5527.3	5463.0	5747.9	6661.7	8408.6	8650.6
35°	6916.9	6857.6	6781.9	6398.2	6096.9	5948.8	6172.7	7084.8	9029.3	9413.0
37.5°	7687.4	7636.4	7672.6	7155.6	6767.1	6551.4	6729.2	7652.9	9794.9	10361.3
40°	8484.3	8444.8	8449.8	7955.8	7503.0	7261.0	7404.2	8365.8	10672.5	11489.2
42.5°	9350.4	9320.8	9222.0	8784.0	8275.2	8049.7	8181.4	9189.0	11614.3	12773.4
45°	10320.2	10302.1	10209.9	9707.7	9124.8	8871.3	9049.1	10097.9	12561.0	13982.0
47.5°	11158.2	11173.1	11161.5	10738.4	10134.1	9762.0	9974.4	11046.3	13441.9	15118.0
50°	11561.6	11639.0	11752.6	11620.9	11245.5	10866.8	10908.0	11961.7	14281.6	16183.3
52.5°	11350.9	11497.4	11806.9	12017.7	12162.6	12083.6	11973.2	12870.6	15071.9	17144.9
55°	10565.5	10771.3	11285.0	11793.8	12533.0	13107.7	13252.6	13878.2	15842.5	17991.1
57.5°	9134.7	9468.9	9930.0	10959.0	12203.8	13603.3	14744.3	15276.1	16659.1	18895.1
60°	6681.4	7129.3	7702.3	9233.5	11051.2	13338.2	16013.7	17423.1	17819.9	20065.7
62.5°	4275.9	4552.5	5079.4	6521.7	8611.1	11979.8	16402.3	20106.9	19787.5	21985.5
65°	2927.5	3105.3	3587.7	4397.8	5566.8	8917.4	15361.7	22118.9	22912.5	25028.2
67.5°	2127.3	2262.3	2673.9	3383.5	3627.2	5277.0	11920.6	22026.7	25950.3	28163.1
70°	1551.0	1646.5	1992.2	2673.9	2790.8	2935.7	7221.5	18723.8	25884.4	28996.3
72.5°	1149.2	1215.1	1447.3	2074.6	2259.0	1982.4	3574.5	13608.2	22242.4	26226.9
75°	831.5	880.9	1052.1	1587.2	1807.8	1509.8	1783.1	7952.5	15514.8	18448.9
77.5°	635.5	673.4	785.4	1162.4	1447.3	1132.8	1106.4	3658.5	7356.5	7392.7
80°	510.4	535.1	596.0	818.3	1109.7	847.9	721.2	1476.9	2324.8	1967.6
82.5°	375.4	416.6	503.8	574.6	793.6	584.5	439.6	745.9	884.2	760.7
85°	214.0	242.0	304.6	411.6	507.1	357.3	251.9	330.9	411.6	337.5
87.5°	75.7	98.8	107.0	161.4	220.6	148.2	97.1	95.5	135.0	100.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849946
 CATALOG NUMBER: GLAN-SB7B-722-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4549.2	0°	4549.2	4549.2	4549.2	4549.2	4549.2	4549.2	4549.2	4549.2	4549.2	4549.2
4598.6	2.5°	4582.2	4573.9	4541.0	4496.6	4450.5	4406.0	4391.2	4359.9	4338.5	4327.0
4705.7	5°	4674.4	4648.0	4570.6	4471.9	4368.1	4256.2	4177.1	4104.7	4052.0	4002.6
4852.2	7.5°	4806.1	4760.0	4626.6	4453.7	4269.3	4083.3	3945.0	3839.6	3768.8	3722.7
5023.4	10°	4959.2	4888.4	4684.3	4425.8	4140.9	3874.2	3711.2	3620.6	3576.2	3551.5
5219.4	12.5°	5135.4	5035.0	4743.5	4361.5	3945.0	3640.4	3528.4	3502.1	3503.7	3505.4
5466.3	15°	5352.7	5212.8	4791.3	4221.6	3689.8	3460.9	3441.2	3484.0	3528.4	3549.8
5746.2	17.5°	5598.1	5400.5	4799.5	3991.1	3439.5	3345.7	3408.2	3500.4	3567.9	3597.6
6059.1	20°	5861.5	5591.5	4740.2	3665.1	3233.7	3251.8	3363.8	3482.3	3556.4	3594.3
6416.4	22.5°	6162.8	5795.6	4598.6	3322.6	3065.8	3149.7	3281.4	3396.7	3474.1	3512.0
6836.2	25°	6506.9	6024.5	4376.4	3034.5	2920.9	3034.5	3166.2	3261.7	3324.3	3358.8
7305.5	27.5°	6888.9	6263.2	4080.0	2805.6	2794.1	2915.9	3024.6	3098.7	3131.6	3158.0
7804.3	30°	7272.5	6480.6	3721.1	2632.7	2683.8	2799.0	2876.4	2909.3	2919.2	2924.2
8360.9	32.5°	7687.4	6668.3	3344.0	2489.5	2578.4	2685.4	2731.5	2746.3	2700.2	2669.0
9035.9	35°	8189.6	6869.1	2975.2	2375.9	2474.7	2566.9	2581.7	2568.5	2514.2	2450.0
9882.2	37.5°	8810.3	7119.4	2680.5	2295.2	2377.5	2438.4	2420.3	2417.0	2422.0	2346.2
10899.7	40°	9571.0	7445.4	2464.8	2232.6	2298.5	2311.7	2260.6	2288.6	2313.3	2198.1
12016.1	42.5°	10415.7	7838.9	2328.1	2189.8	2232.6	2201.4	2122.3	2153.6	2150.3	1998.8
13137.3	45°	11276.8	8267.0	2280.4	2158.5	2171.7	2109.1	2021.9	2030.1	1961.0	1824.3
14212.5	47.5°	12133.0	8726.4	2310.0	2132.2	2096.0	2025.2	1957.7	1921.4	1819.4	1717.3
15243.2	50°	12972.7	9208.8	2418.7	2079.5	1992.2	1951.1	1901.7	1837.5	1728.8	1641.5
16217.9	52.5°	13751.4	9694.5	2540.5	1992.2	1862.2	1886.9	1855.6	1781.5	1674.5	1585.6
17139.9	55°	14489.1	10180.2	2588.3	1872.1	1740.3	1830.9	1812.8	1676.1	1547.7	1475.3
18104.8	57.5°	15292.6	10764.7	2535.6	1718.9	1641.5	1766.7	1697.5	1546.0	1472.0	1417.6
19361.0	60°	16405.6	11681.8	2422.0	1529.6	1547.7	1671.2	1552.6	1490.1	1409.4	1348.5
21244.6	62.5°	18254.6	13392.5	2239.2	1341.9	1437.4	1529.6	1483.5	1420.9	1338.6	1279.3
24465.1	65°	20987.8	15770.0	1895.1	1195.3	1313.9	1391.3	1409.4	1346.8	1261.2	1198.6
27287.2	67.5°	23292.8	17261.8	1434.1	1073.5	1187.1	1279.3	1330.4	1269.4	1178.9	1118.0
27947.4	70°	23166.1	16178.4	1094.9	953.3	1075.2	1169.0	1234.9	1187.1	1090.0	1032.3
25385.5	72.5°	20576.1	13534.1	885.8	831.5	961.5	1053.8	1132.8	1096.6	997.8	941.8
18597.1	75°	15116.4	9607.2	708.0	708.0	819.9	933.6	1020.8	997.8	907.2	867.7
7807.6	77.5°	6371.9	4030.6	554.9	587.8	681.6	801.8	910.5	918.7	839.7	889.1
2064.7	80°	1694.2	1111.4	423.1	462.7	535.1	661.9	792.0	788.7	703.0	656.9
767.3	82.5°	645.4	438.0	301.3	326.0	386.9	507.1	627.3	647.1	561.5	485.7
301.3	85°	248.6	187.7	186.1	195.9	225.6	335.9	474.2	490.7	423.1	358.9
84.0	87.5°	64.2	56.0	69.2	65.9	103.7	179.5	271.7	281.5	258.5	149.8
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°
4549.2
4340.1
4022.4
3732.6
3558.1
3508.7
3548.2
3604.2
3604.2
3521.8
3368.7
3167.8
2935.7
2678.8
2453.3
2351.2
2201.4
1997.2
1829.2
1717.3
1635.0
1587.2
1468.7
1412.7
1345.2
1279.3
1201.9
1119.6
1037.3
941.8
856.2
806.8
610.8
485.7
370.5
214.0
0.0

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