

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: P848248

Luminaire Tested: **GLAN-SB4D-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848248
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-SB4D-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31913 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

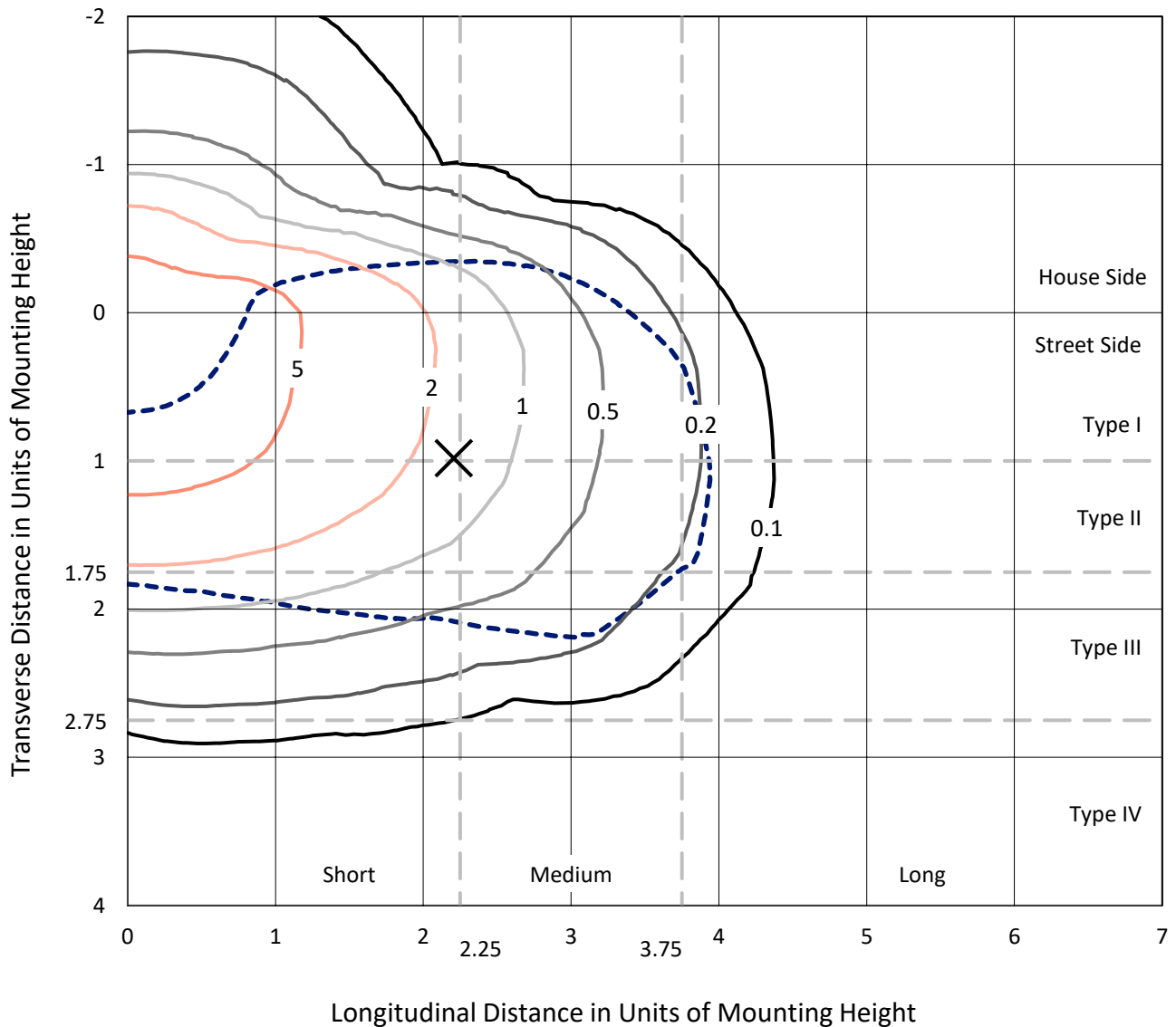
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

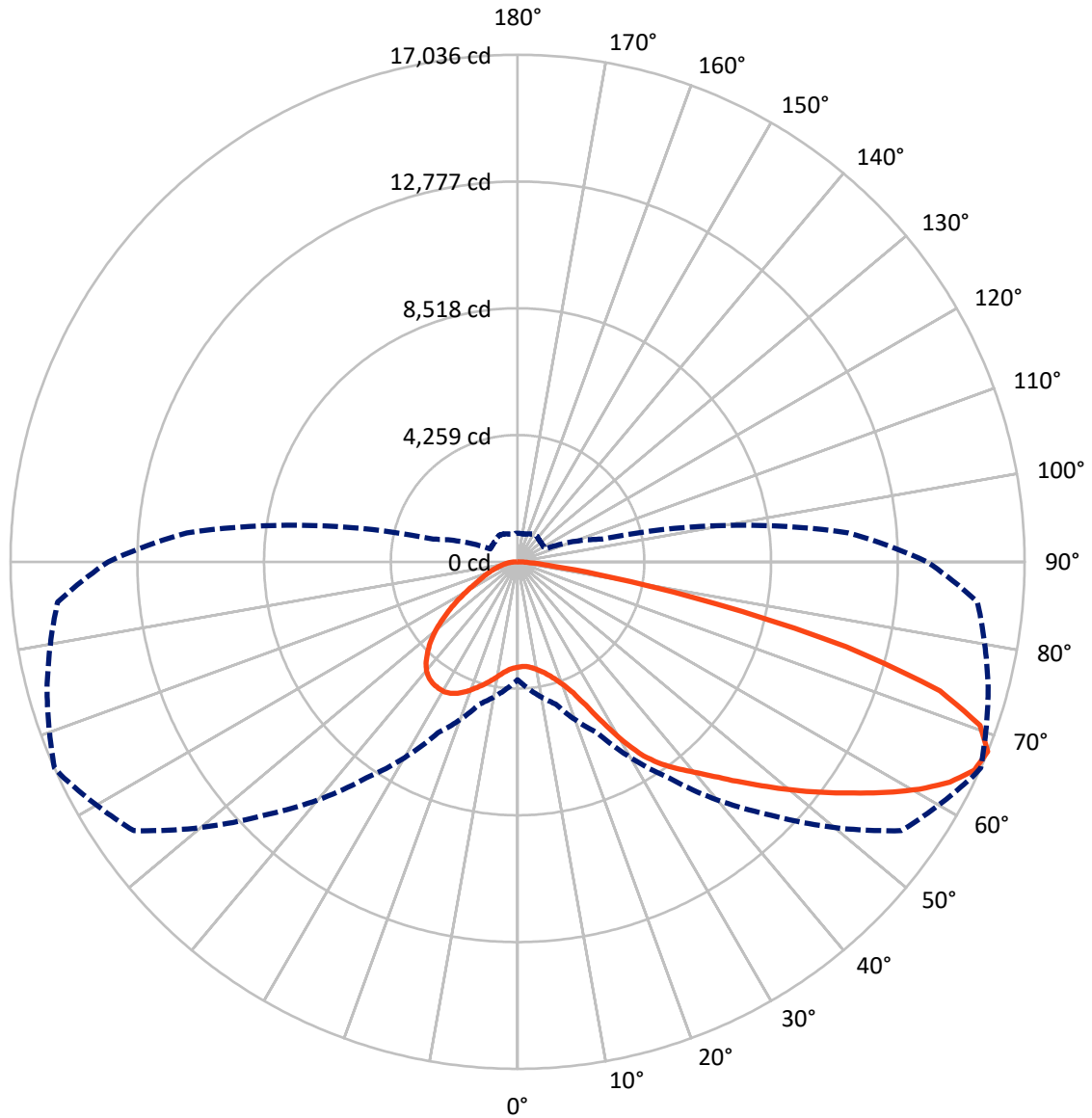
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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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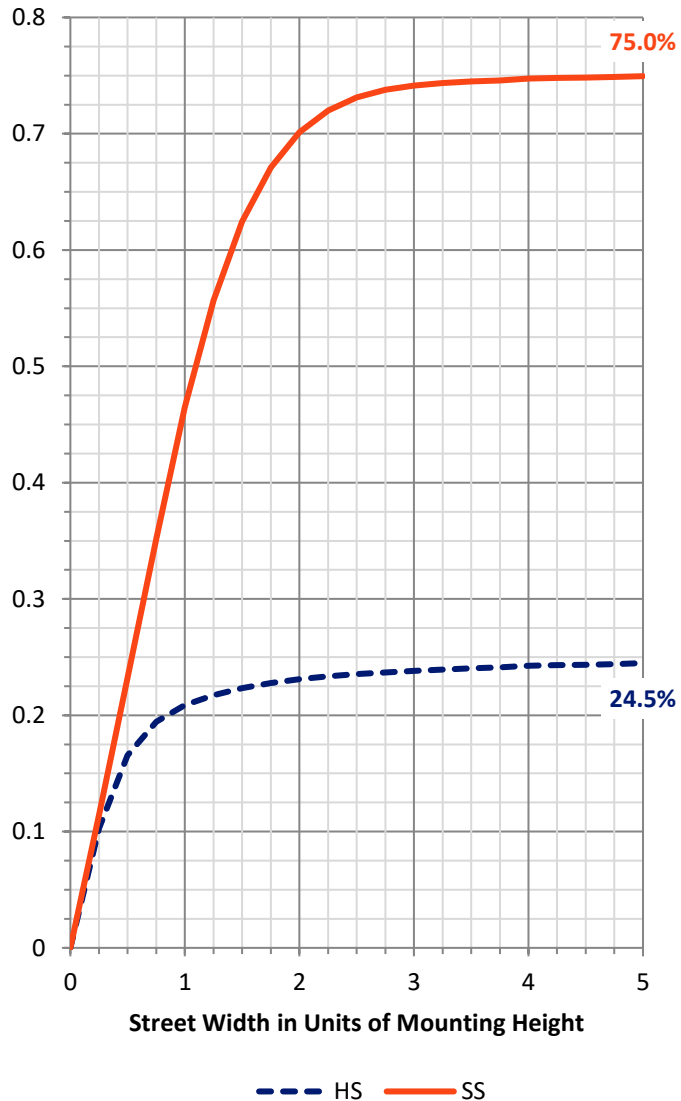
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7935.1	0.0	7935.1
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	23977.9	0.0	23977.9
	% Fixture	75.1	0.0	75.1
Total	Lumens	31913.0	0.0	31913.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.9	1.1
10°-20°	1159.4	3.6
20°-30°	2234.8	7.0
30°-40°	3918.4	12.3
40°-50°	5825.3	18.3
50°-60°	7384.2	23.1
60°-70°	7225.2	22.6
70°-80°	3446.5	10.8
80°-90°	368.3	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°	31913.0	100.0
0°-180°	31913.0	100.0

Coefficient of Utilization

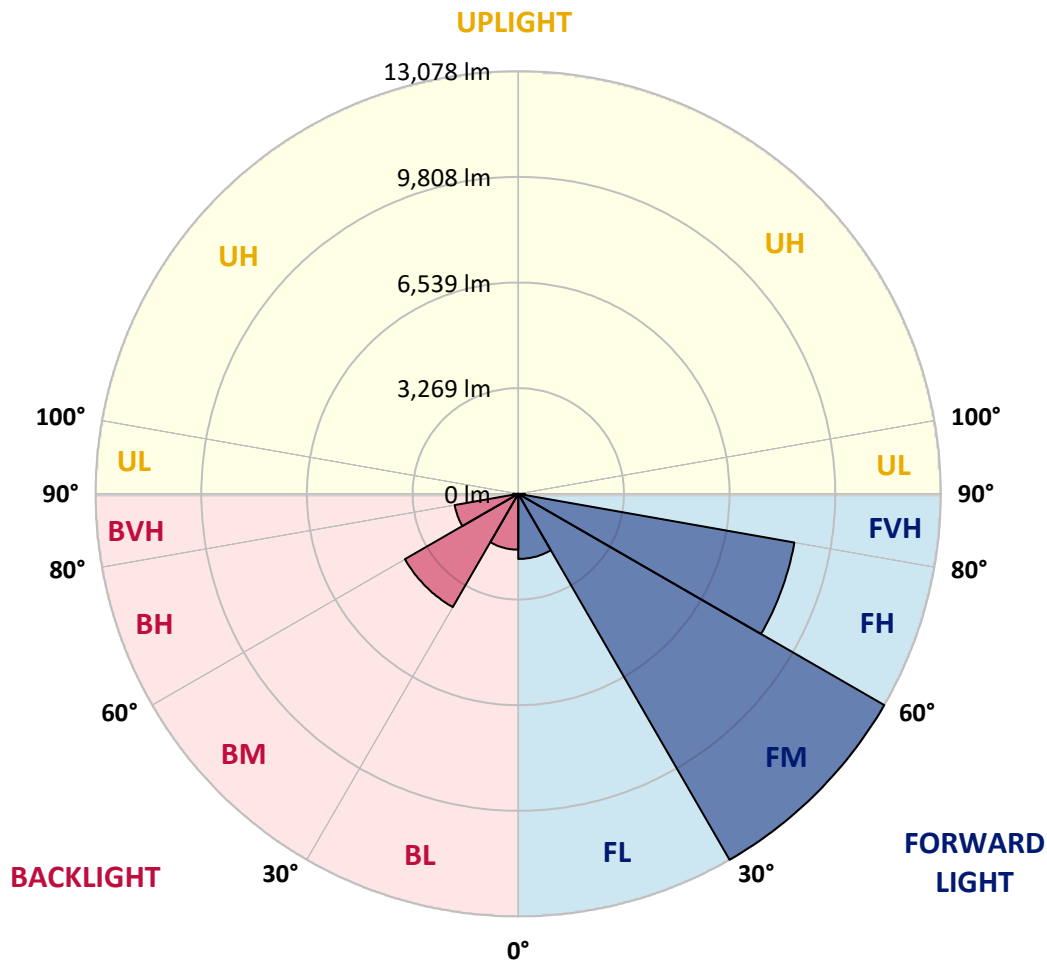


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2016.6	6.3			
FM (30°-60°)	13077.7	41.0			
FH (60°-80°)	8674.8	27.2			G4/12000
FVH (80°-90°)	208.8	0.7			G2/225
BL (0°-30°)	1728.5	5.4	B3/2500		
BM (30°-60°)	4050.2	12.7	B3/5000		
BH (60°-80°)	1996.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	159.5	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°	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6
2.5°	3502.7	3522.8	3517.8	3509.4	3507.7	3511.1	3516.1	3521.1	3519.5	3527.8
5°	3492.6	3512.7	3511.1	3511.1	3517.8	3531.2	3539.6	3548.0	3539.6	3549.6
7.5°	3499.3	3514.4	3521.1	3527.8	3544.6	3569.8	3589.9	3608.3	3598.3	3610.0
10°	3584.8	3596.6	3603.3	3603.3	3615.0	3643.5	3663.7	3697.2	3688.8	3707.2
12.5°	3740.8	3752.5	3752.5	3745.8	3754.2	3772.6	3779.3	3816.2	3801.1	3831.3
15°	3931.9	3955.4	3937.0	3925.2	3928.6	3947.0	3945.3	3973.8	3958.8	3983.9
17.5°	4143.2	4173.4	4143.2	4141.5	4134.8	4154.9	4156.6	4181.8	4154.9	4173.4
20°	4393.0	4434.9	4409.8	4418.2	4403.1	4411.5	4419.9	4456.7	4414.8	4428.2
22.5°	4745.1	4795.4	4768.6	4800.5	4790.4	4783.7	4782.0	4847.4	4782.0	4787.1
25°	5258.2	5318.6	5271.6	5315.2	5315.2	5337.0	5362.2	5446.0	5337.0	5305.2
27.5°	6016.1	6076.5	5984.2	6011.1	6002.7	6056.3	6029.5	6237.4	6120.1	6068.1
30°	6928.2	7035.6	6861.2	6854.5	6846.1	6931.6	6970.2	7107.7	6988.6	6936.6
32.5°	7914.2	8026.5	7818.6	7758.2	7726.4	7778.3	7746.5	7857.1	7775.0	7694.5
35°	8957.1	9067.7	8869.9	8752.5	8625.1	8516.1	8402.1	8430.6	8353.5	8231.1
37.5°	9943.0	10145.9	9936.3	9810.5	9575.8	9362.9	9044.3	8911.8	8839.7	8727.4
40°	10947.4	11063.1	10903.8	10796.5	10541.6	10207.9	9698.2	9418.2	9320.9	9211.9
42.5°	11686.8	11797.5	11711.9	11638.2	11438.6	11051.3	10392.4	10041.9	9901.1	9778.7
45°	12273.7	12355.8	12302.2	12329.0	12243.5	11867.9	11111.7	10710.9	10565.1	10415.8
47.5°	12510.1	12597.3	12682.8	12842.1	12987.9	12711.3	11884.7	11435.3	11281.0	11128.4
50°	12483.2	12572.1	12820.3	13159.0	13611.7	13519.5	12699.5	12206.6	12064.1	11889.7
52.5°	12268.6	12369.2	12687.8	13251.2	13972.2	14124.8	13529.5	13003.0	12868.9	12661.0
55°	11705.2	11765.6	12243.5	13041.6	14057.7	14547.3	14342.7	13851.5	13717.3	13427.2
57.5°	10660.6	10747.8	11443.7	12476.5	13843.1	14834.0	15057.0	14743.5	14614.4	14196.9
60°	9297.5	9436.6	10233.1	11527.5	13296.5	14832.3	15705.9	15620.4	15513.1	14954.7
62.5°	7754.9	7915.8	8682.1	10186.1	12340.7	14411.5	16111.7	16354.8	16299.5	15653.9
65°	5955.7	6066.4	6829.3	8450.7	10853.5	13507.7	16158.6	16856.1	16866.2	16185.5
67.5°	3965.5	4284.0	4946.3	6341.4	8861.5	12030.5	15746.2	16938.3	17035.6	16368.2
70°	1934.9	2354.1	3003.0	4121.4	6341.4	9765.3	14668.0	16264.3	16480.6	15835.0
72.5°	803.2	939.0	1292.8	2033.9	3640.2	6589.5	12501.7	14436.6	14837.4	14030.9
75°	541.6	586.9	739.4	1042.9	1658.3	3249.5	9015.8	10764.6	11410.1	10596.9
77.5°	417.5	446.0	538.2	729.4	985.9	1229.0	4825.6	6487.3	6820.9	6314.6
80°	328.6	350.4	402.4	531.5	699.2	657.3	1644.9	2939.3	3132.1	2627.4
82.5°	285.0	293.4	288.4	360.5	464.5	384.0	539.9	1084.8	1197.2	868.5
85°	206.2	229.7	239.8	223.0	246.5	194.5	221.3	384.0	422.5	377.3
87.5°	83.8	124.1	152.6	144.2	90.5	55.3	68.7	112.3	129.1	140.8
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°
3539.6	0°	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6	3539.6
3541.3	2.5°	3542.9	3554.7	3563.0	3573.1	3579.8	3589.9	3610.0	3621.7	3623.4	3631.8
3568.1	5°	3574.8	3591.6	3610.0	3636.8	3667.0	3692.2	3730.7	3757.5	3767.6	3776.0
3633.5	7.5°	3643.5	3667.0	3700.5	3747.5	3791.1	3824.6	3871.6	3903.4	3935.3	3947.0
3737.4	10°	3745.8	3779.3	3828.0	3891.7	3938.6	3982.2	4030.9	4057.7	4089.5	4103.0
3861.5	12.5°	3873.2	3908.5	3972.2	4061.0	4104.6	4134.8	4151.6	4144.9	4151.6	4163.3
4010.7	15°	4019.1	4057.7	4129.8	4225.4	4255.5	4228.7	4191.8	4158.3	4153.3	4156.6
4191.8	17.5°	4191.8	4220.3	4304.2	4384.6	4362.8	4252.2	4171.7	4118.0	4091.2	4082.8
4423.2	20°	4433.3	4433.3	4502.0	4552.3	4406.4	4218.6	4092.9	4005.7	3950.4	3926.9
4738.4	22.5°	4726.7	4699.9	4743.5	4708.3	4398.1	4124.8	3950.4	3799.5	3715.6	3682.1
5179.4	25°	5098.9	5067.1	5055.3	4837.4	4337.7	3975.5	3692.2	3509.4	3435.6	3417.2
5814.9	27.5°	5660.6	5580.2	5427.6	4907.8	4227.0	3740.8	3390.3	3221.0	3179.1	3180.8
6631.5	30°	6408.5	6247.5	5873.6	4919.5	4045.9	3408.8	3081.8	2961.1	2941.0	2949.4
7317.2	32.5°	7100.9	6948.4	6329.6	4865.9	3767.6	3083.5	2805.2	2724.7	2694.5	2704.6
7840.4	35°	7644.2	7602.3	6752.2	4790.4	3425.6	2778.3	2557.0	2488.3	2429.6	2416.2
8333.3	37.5°	8157.3	8140.5	7069.1	4684.8	3086.9	2562.0	2357.5	2266.9	2181.4	2134.5
8878.3	40°	8720.7	8703.9	7277.0	4522.1	2786.7	2374.2	2178.1	2059.0	1953.4	1867.9
9495.3	42.5°	9354.5	9255.5	7375.9	4289.1	2531.9	2215.0	2032.2	1871.2	1732.1	1653.3
10192.8	45°	10047.0	9824.0	7374.3	3992.3	2317.2	2069.1	1876.3	1648.2	1519.1	1445.3
10908.8	47.5°	10781.4	10367.2	7283.7	3663.7	2109.3	1908.1	1634.8	1460.4	1374.9	1329.6
11686.8	50°	11539.2	10875.3	7129.4	3286.4	1896.4	1725.4	1483.9	1364.9	1299.5	1257.5
12458.1	52.5°	12251.9	11336.4	6943.3	2858.8	1680.1	1547.6	1416.8	1324.6	1255.9	1208.9
13205.9	55°	12914.2	11733.7	6680.1	2421.2	1504.0	1428.6	1385.0	1307.8	1229.0	1173.7
13965.5	57.5°	13502.7	11992.0	6225.7	2010.4	1378.3	1346.4	1351.4	1279.3	1188.8	1141.9
14713.3	60°	13992.3	12181.4	5553.3	1629.8	1276.0	1265.9	1299.5	1225.7	1120.1	1066.4
15345.4	62.5°	14285.7	12178.1	4728.4	1334.7	1188.8	1192.2	1230.7	1158.6	1051.3	1001.0
15675.7	65°	14260.6	11879.6	3822.9	1141.9	1105.0	1108.3	1158.6	1084.8	994.3	964.1
15509.7	67.5°	13755.9	11151.9	2932.6	1016.1	1012.7	1027.8	1086.5	1034.5	959.1	955.7
14520.5	70°	12389.3	9641.2	2112.7	915.5	917.2	939.0	1016.1	1002.7	940.6	947.4
12208.3	72.5°	9934.6	7350.8	1418.5	809.9	811.5	846.7	949.0	977.5	922.2	1011.1
8662.0	75°	6616.4	4584.2	912.1	697.5	699.2	744.5	890.3	928.9	871.9	1007.7
4507.0	77.5°	3179.1	2060.7	660.6	586.9	586.9	628.8	769.6	831.7	742.8	783.0
1448.7	80°	1098.3	774.6	519.8	472.8	462.8	491.3	648.9	721.0	640.5	590.2
472.8	82.5°	432.6	402.4	417.5	367.2	333.7	352.1	504.7	595.2	471.2	425.9
266.6	85°	248.2	261.6	295.1	243.1	192.8	216.3	370.6	427.6	355.5	313.5
87.2	87.5°	67.1	92.2	135.8	125.8	87.2	92.2	176.1	236.4	204.6	157.6
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°
3539.6
3630.1
3774.3
3948.7
4109.7
4166.7
4168.3
4094.6
3921.9
3677.1
3420.5
3185.8
2977.9
2718.0
2426.2
2136.2
1876.3
1658.3
1442.0
1319.6
1242.5
1188.8
1151.9
1111.7
1042.9
985.9
962.4
960.8
945.7
1024.5
1016.1
717.6
553.3
424.2
320.3
162.6
0.0

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