

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: P852821

Luminaire Tested: **GLAN-SB6C-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852821
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6C-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28906 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

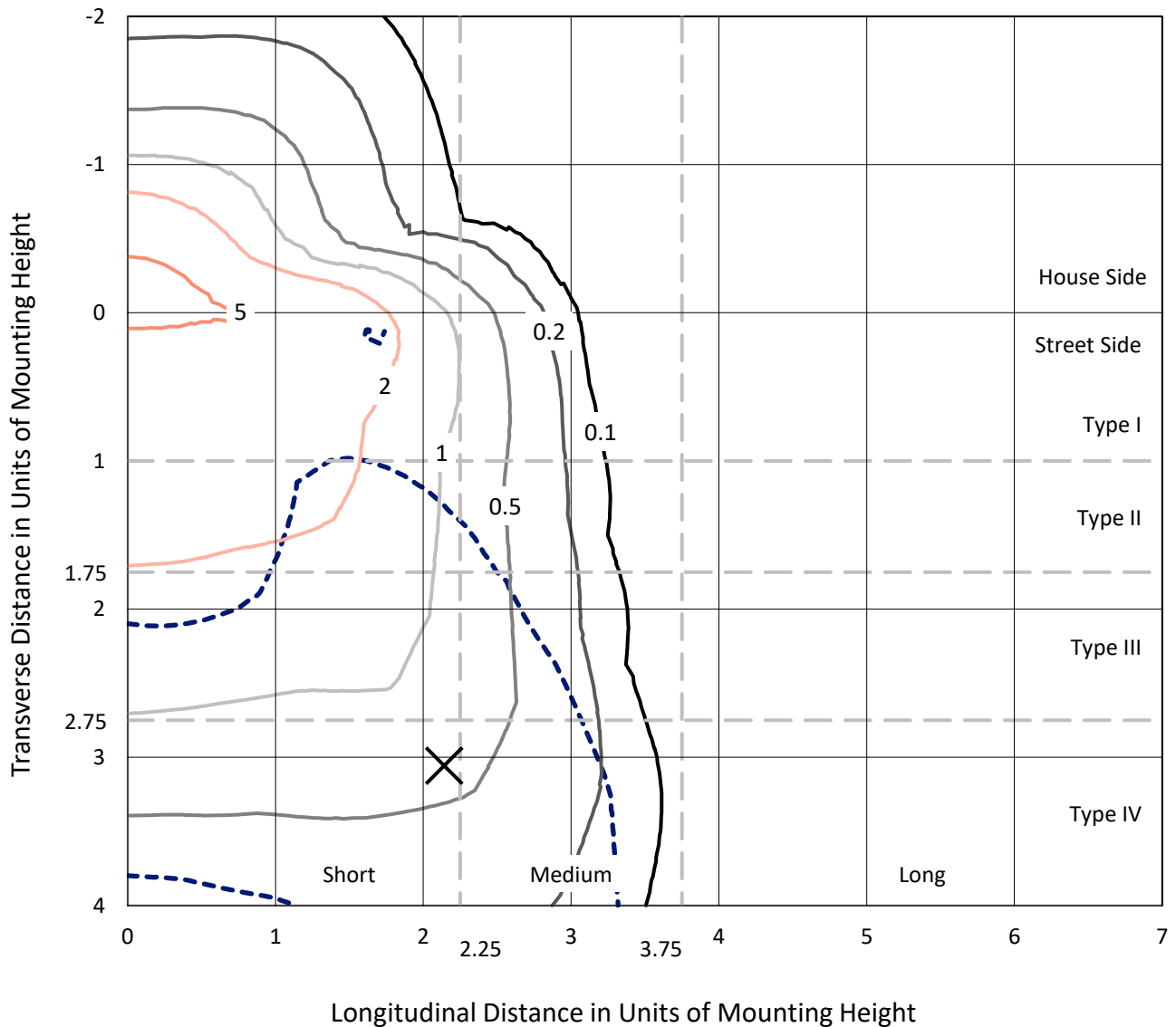
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

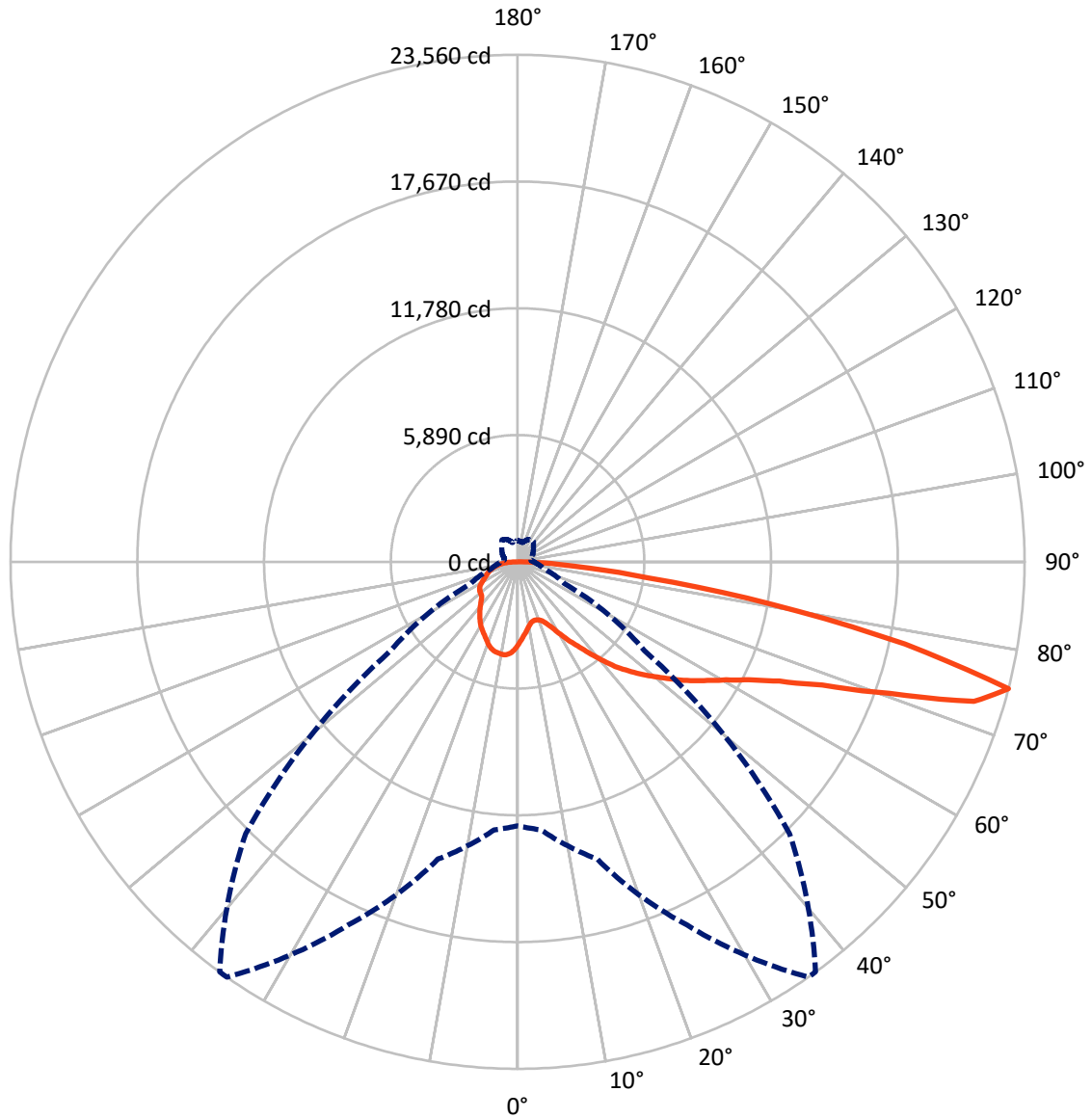
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6878.9	0.0	6878.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	22027.1	0.0	22027.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	28906.0	0.0	28906.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.7	1.3
10°-20°	1052.0	3.6
20°-30°	1766.5	6.1
30°-40°	2745.4	9.5
40°-50°	4074.9	14.1
50°-60°	5625.6	19.5
60°-70°	6825.2	23.6
70°-80°	5640.5	19.5
80°-90°	811.3	2.8
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°	28906.0	100.0
0°-180°	28906.0	100.0

Coefficient of Utilization

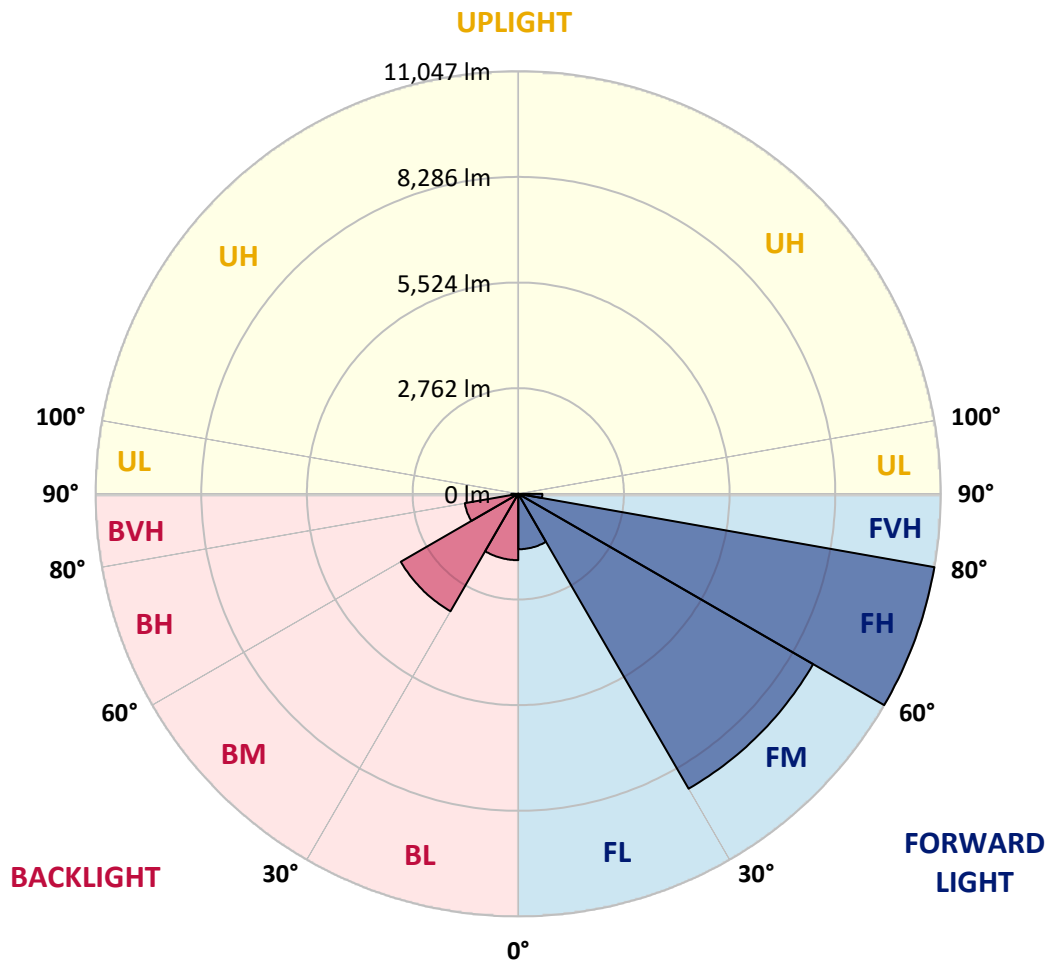


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1449.6	5.0			
FM (30°-60°)	8901.5	30.8			
FH (60°-80°)	11047.4	38.2			G4/12000
FVH (80°-90°)	628.6	2.2			G4/750
BL (0°-30°)	1733.6	6.0	B3/2500		
BM (30°-60°)	3544.4	12.3	B3/5000		
BH (60°-80°)	1418.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	182.7	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3851.9	3851.9	3851.9	3851.9	3851.9	3851.9	3851.9	3851.9	3851.9	3851.9
2.5°	3551.9	3573.8	3583.1	3578.5	3601.9	3598.8	3631.6	3672.2	3728.5	3783.2
5°	3278.4	3301.9	3322.2	3340.9	3386.3	3400.3	3451.9	3530.0	3633.1	3737.8
7.5°	3023.7	3044.0	3075.3	3109.7	3186.2	3200.3	3286.2	3408.1	3551.9	3705.0
10°	2815.9	2836.2	2869.0	2908.1	3003.4	3020.6	3130.0	3292.5	3480.0	3673.8
12.5°	2726.8	2733.1	2751.8	2790.9	2873.7	2884.6	3005.0	3190.9	3409.7	3650.3
15°	2722.1	2734.6	2736.2	2756.5	2825.3	2830.0	2940.9	3125.3	3365.9	3645.7
17.5°	2769.0	2778.4	2764.3	2776.8	2834.6	2842.5	2930.0	3094.0	3351.9	3666.0
20°	2894.0	2901.8	2859.6	2842.5	2884.6	2890.9	2976.8	3114.4	3365.9	3708.2
22.5°	3159.7	3164.4	3061.2	2990.9	2994.0	2997.2	3072.2	3197.2	3420.6	3784.7
25°	3573.8	3570.6	3406.6	3270.6	3192.5	3175.3	3225.3	3331.6	3512.8	3886.3
27.5°	4058.2	4034.7	3870.7	3667.5	3497.2	3472.2	3461.3	3506.6	3644.1	4020.7
30°	4605.1	4583.2	4406.7	4141.0	3905.0	3864.4	3761.3	3737.8	3839.4	4203.5
32.5°	5205.2	5191.1	4980.1	4658.2	4342.6	4295.7	4122.3	4059.8	4139.4	4480.1
35°	5708.3	5695.8	5520.8	5189.5	4803.6	4745.8	4569.2	4498.9	4539.5	4834.8
37.5°	6163.1	6156.8	6006.8	5745.8	5347.4	5277.1	5078.6	5055.2	5047.3	5302.1
40°	6585.0	6569.4	6413.1	6275.6	5980.2	5916.2	5741.2	5720.8	5661.5	5877.1
42.5°	7052.2	7011.6	6785.0	6720.9	6641.2	6588.1	6483.4	6486.5	6355.3	6525.6
45°	7433.5	7410.1	7177.2	7139.7	7225.7	7203.8	7294.4	7317.9	7063.2	7205.4
47.5°	7842.9	7821.0	7624.1	7597.6	7830.4	7836.7	8157.0	8164.8	7753.8	7911.7
50°	8347.6	8316.4	8121.1	8153.9	8414.8	8438.3	9024.3	8971.1	8389.8	8628.9
52.5°	8680.5	8699.2	8657.1	8710.2	9066.5	9088.3	9877.5	9741.5	9019.6	9336.8
55°	8925.8	8963.3	9094.6	9216.5	9754.0	9775.9	10682.2	10474.4	9541.5	9993.1
57.5°	9241.5	9188.4	9433.7	9671.2	10407.2	10465.0	11465.1	11180.7	10004.1	10558.8
60°	9694.6	9657.1	9847.8	10199.4	11138.5	11230.7	12293.3	11816.7	10343.1	11007.3
62.5°	10613.5	10519.7	10549.4	10860.4	12060.5	12182.4	13227.8	12371.5	10511.9	11182.3
65°	11987.1	11826.1	11676.1	11891.7	13359.1	13479.4	14282.6	12807.4	10449.4	10843.2
67.5°	13716.9	13557.5	13373.1	13576.3	15271.7	15367.1	15584.3	13052.8	9957.2	9536.8
70°	15143.6	15084.2	15304.5	16140.6	18326.7	18329.8	17253.2	12849.6	8608.6	6761.6
72.5°	14954.5	14918.6	16079.6	18664.2	22177.1	22094.2	18833.0	11312.0	5799.0	3050.3
75°	12268.3	12501.2	14299.8	18618.9	23560.0	23549.1	17865.7	7191.3	2398.7	1264.2
77.5°	6578.7	6947.5	9283.7	13746.6	18392.3	18668.9	12560.5	2515.9	1029.8	809.5
80°	2145.5	2467.4	3700.3	6999.1	11951.1	11899.5	5383.3	987.6	704.8	573.5
82.5°	911.0	948.5	1653.3	3305.0	6133.4	6038.1	1714.2	567.2	495.4	392.2
85°	356.3	398.5	729.8	1528.3	2656.5	2598.7	618.8	281.3	317.2	256.3
87.5°	117.2	142.2	261.0	523.5	826.6	796.9	151.6	96.9	137.5	117.2
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°
3851.9	0°	3851.9	3851.9	3851.9	3851.9	3851.9	3851.9	3851.9	3851.9	3851.9	3851.9
3862.9	2.5°	3884.7	3909.7	3939.4	3983.2	4020.7	4051.9	4084.8	4105.1	4112.9	4136.3
3869.1	5°	3912.9	3967.6	4041.0	4112.9	4183.2	4225.4	4262.9	4281.6	4298.8	4311.3
3886.3	7.5°	3959.7	4030.1	4145.7	4239.5	4298.8	4333.2	4358.2	4352.0	4358.2	4361.3
3905.0	10°	4000.4	4098.8	4236.3	4325.4	4370.7	4372.3	4366.0	4344.2	4333.2	4334.8
3933.2	12.5°	4048.8	4158.2	4306.6	4381.7	4394.2	4359.8	4333.2	4295.7	4281.6	4275.4
3975.4	15°	4114.4	4239.5	4383.2	4411.3	4380.1	4336.3	4291.0	4230.1	4198.8	4173.8
4047.3	17.5°	4194.1	4331.7	4442.6	4422.3	4355.1	4283.2	4209.8	4117.6	4053.5	4026.9
4145.7	20°	4305.1	4428.5	4487.9	4398.8	4297.3	4187.9	4062.9	3950.4	3891.0	3864.4
4270.7	22.5°	4439.5	4558.2	4531.7	4358.2	4214.5	4039.4	3883.2	3800.4	3770.7	3751.9
4431.7	25°	4600.4	4702.0	4562.9	4298.8	4078.5	3842.5	3722.2	3695.7	3681.6	3667.5
4628.6	27.5°	4809.8	4864.5	4586.4	4211.3	3866.0	3633.1	3589.4	3594.1	3589.4	3566.0
4902.0	30°	5086.4	5075.5	4608.2	4069.1	3622.2	3444.1	3447.2	3467.5	3470.6	3455.0
5283.3	32.5°	5450.5	5339.6	4619.2	3884.7	3389.4	3278.4	3281.6	3303.4	3319.1	3292.5
5781.8	35°	5891.2	5647.4	4602.0	3653.5	3209.7	3120.6	3097.2	3103.4	3108.1	3083.1
6386.5	37.5°	6405.3	5992.7	4525.4	3397.2	3061.2	2965.9	2915.9	2873.7	2848.7	2825.3
7071.0	40°	6969.4	6369.3	4384.8	3147.2	2895.6	2801.8	2726.8	2647.1	2562.7	2531.5
7796.0	42.5°	7560.1	6756.9	4214.5	2908.1	2704.9	2628.4	2548.7	2433.0	2306.5	2242.4
8549.2	45°	8172.6	7153.8	4047.3	2672.1	2509.6	2476.8	2384.6	2245.5	2108.0	2026.8
9304.0	47.5°	8772.7	7528.8	3801.9	2434.6	2326.8	2362.7	2290.8	2162.7	2009.6	1881.4
10052.5	50°	9346.2	7880.4	3400.3	2194.0	2178.3	2328.3	2259.6	2075.2	1900.2	1736.1
10786.9	52.5°	9915.0	8164.8	2886.2	1975.2	2098.6	2319.0	2219.0	2015.8	1801.7	1629.8
11477.6	55°	10397.8	8311.7	2390.8	1787.7	1983.0	2239.3	2170.5	1945.5	1662.7	1479.8
11951.1	57.5°	10672.9	8192.9	1978.3	1603.3	1823.6	2108.0	2087.7	1795.5	1497.0	1356.4
12043.3	60°	10554.1	7711.7	1640.8	1442.3	1672.0	1965.8	1943.9	1647.0	1370.4	1237.6
11549.5	62.5°	9899.4	6794.4	1373.6	1301.7	1534.5	1820.5	1800.2	1533.0	1273.6	1145.4
10238.5	65°	8580.5	5527.1	1165.7	1184.5	1395.4	1645.5	1675.2	1437.6	1197.0	1072.0
7921.0	67.5°	6544.4	4003.5	1003.2	1082.9	1259.5	1473.6	1559.5	1368.9	1132.9	1014.2
4583.2	70°	3730.0	2273.6	865.7	984.5	1139.2	1314.2	1470.4	1314.2	1064.2	965.7
1717.3	72.5°	1414.2	1043.8	748.5	886.0	1023.5	1179.8	1372.0	1228.2	984.5	911.0
887.6	75°	754.8	636.0	629.7	770.4	890.7	1048.5	1248.6	1143.9	925.1	962.6
614.1	77.5°	514.1	450.0	526.6	659.4	745.4	903.2	1117.3	1015.7	801.6	798.5
425.0	80°	356.3	318.8	428.2	531.3	576.6	759.4	975.1	872.0	653.2	609.4
262.5	82.5°	214.1	207.8	320.3	396.9	407.9	586.0	807.9	731.3	534.4	465.7
156.3	85°	117.2	123.4	204.7	232.8	237.5	409.4	632.9	565.7	411.0	345.3
56.3	87.5°	32.8	42.2	75.0	92.2	114.1	212.5	376.6	336.0	206.3	143.8
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°
3851.9
4134.8
4314.5
4366.0
4337.9
4272.3
4181.6
4028.5
3861.3
3755.0
3667.5
3570.6
3462.8
3305.0
3100.3
2840.9
2545.5
2250.2
2020.5
1867.4
1722.0
1611.1
1464.2
1337.6
1218.9
1125.1
1051.7
995.4
953.2
898.5
993.8
736.0
582.9
468.8
348.5
143.8
0.0

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