

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: P852959

Luminaire Tested: **GLAN-SB7C-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852959
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-SB7C-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35514 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

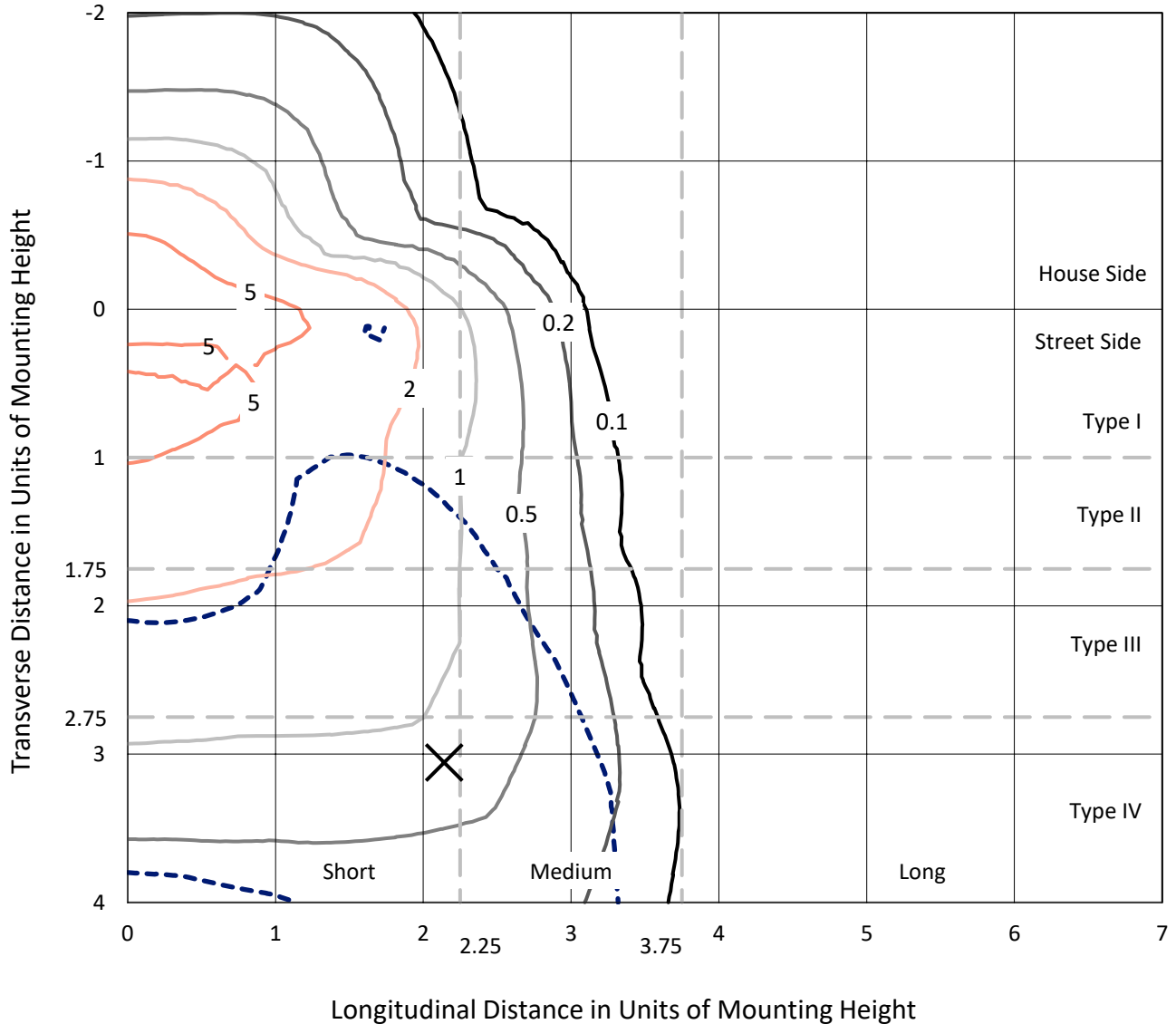
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

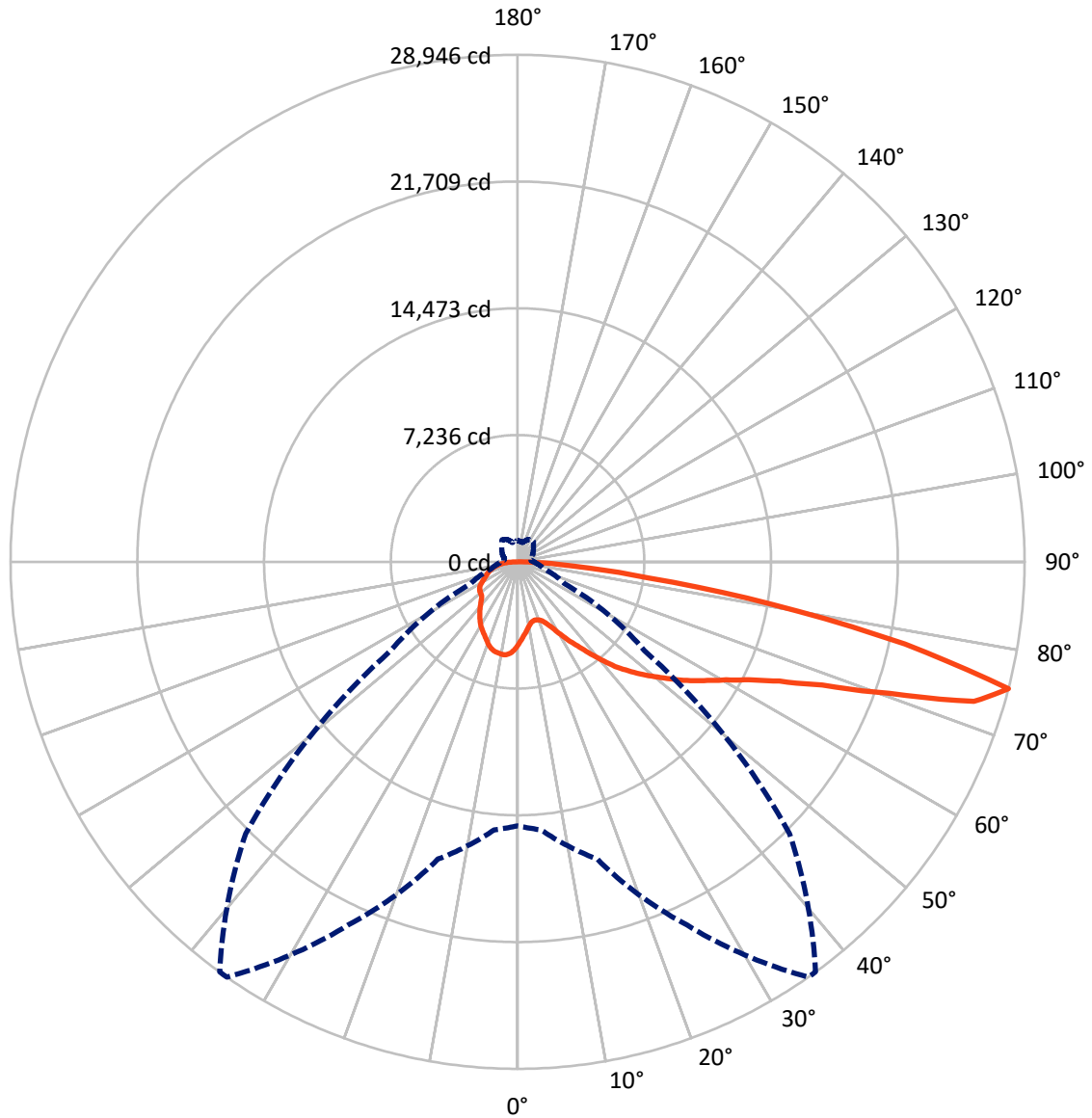
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 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	8451.4	0.0	8451.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	27062.6	0.0	27062.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	35514.0	0.0	35514.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.1	1.3
10°-20°	1292.4	3.6
20°-30°	2170.3	6.1
30°-40°	3373.0	9.5
40°-50°	5006.4	14.1
50°-60°	6911.7	19.5
60°-70°	8385.4	23.6
70°-80°	6929.9	19.5
80°-90°	996.7	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°	35514.0	100.0
0°-180°	35514.0	100.0

Coefficient of Utilization

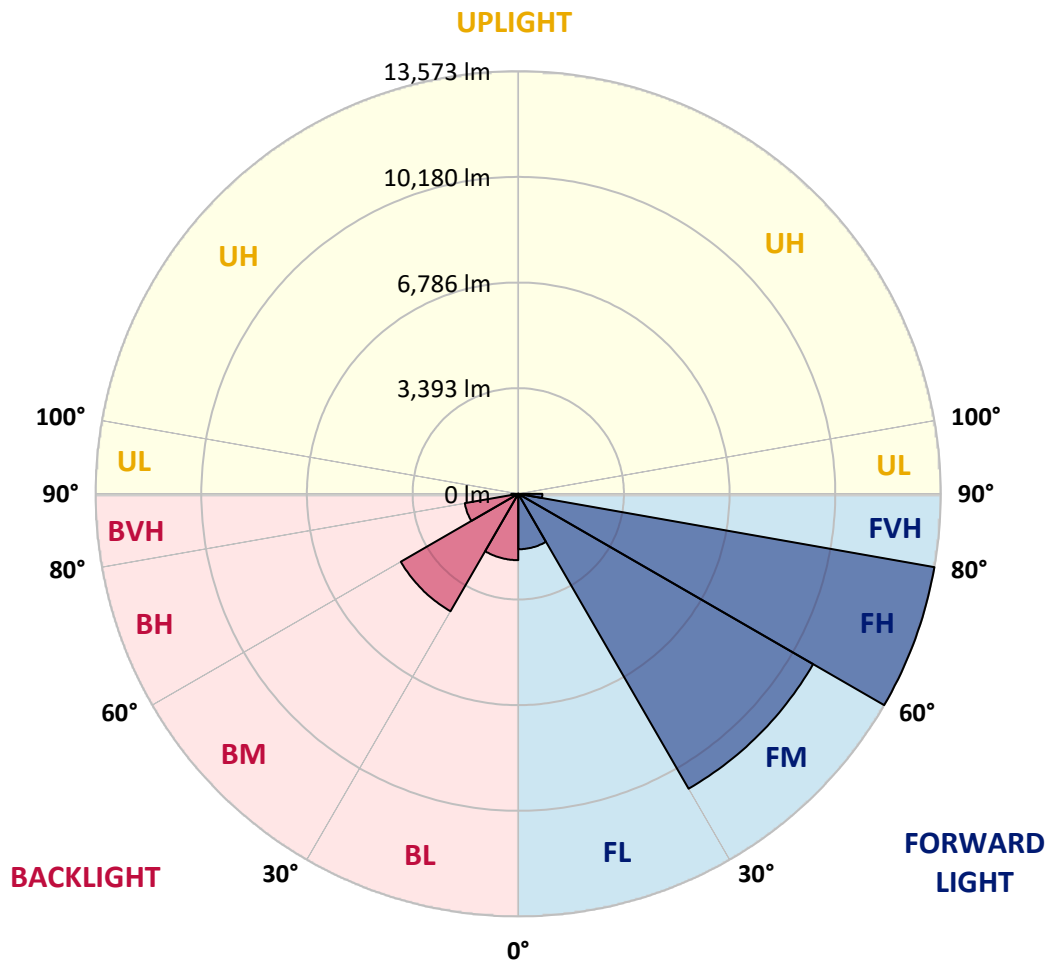


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1781.0	5.0			
FM (30°-60°)	10936.4	30.8			
FH (60°-80°)	13572.9	38.2			G5
FVH (80°-90°)	772.3	2.2			G5
BL (0°-30°)	2129.9	6.0	B3/2500		
BM (30°-60°)	4354.7	12.3	B3/5000		
BH (60°-80°)	1742.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	224.4	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-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5
2.5°	4363.9	4390.7	4402.3	4396.5	4425.3	4421.5	4461.8	4511.7	4580.8	4648.0
5°	4027.9	4056.7	4081.6	4104.7	4160.4	4177.6	4241.0	4337.0	4463.7	4592.3
7.5°	3714.9	3739.9	3778.3	3820.5	3914.6	3931.9	4037.5	4187.2	4363.9	4552.0
10°	3459.6	3484.6	3524.9	3572.9	3690.0	3711.1	3845.5	4045.2	4275.6	4513.6
12.5°	3350.2	3357.9	3380.9	3428.9	3530.6	3544.1	3691.9	3920.4	4189.2	4484.8
15°	3344.4	3359.8	3361.7	3386.7	3471.1	3476.9	3613.2	3839.7	4135.4	4479.1
17.5°	3402.0	3413.5	3396.3	3411.6	3482.6	3492.2	3599.8	3801.3	4118.1	4504.0
20°	3555.6	3565.2	3513.4	3492.2	3544.1	3551.8	3657.4	3826.3	4135.4	4555.9
22.5°	3882.0	3887.7	3761.0	3674.6	3678.5	3682.3	3774.5	3928.1	4202.6	4649.9
25°	4390.7	4386.9	4185.3	4018.3	3922.3	3901.2	3962.6	4093.2	4315.9	4774.7
27.5°	4985.9	4957.1	4755.5	4505.9	4296.7	4266.0	4252.5	4308.2	4477.1	4939.8
30°	5657.9	5631.0	5414.0	5087.7	4797.8	4747.8	4621.1	4592.3	4717.1	5164.5
32.5°	6395.1	6377.8	6118.6	5723.1	5335.3	5277.7	5064.6	4987.8	5085.7	5504.3
35°	7013.3	6997.9	6782.9	6375.9	5901.7	5830.6	5613.7	5527.3	5577.2	5940.1
37.5°	7572.0	7564.3	7380.0	7059.4	6569.8	6483.4	6239.6	6210.8	6201.2	6514.1
40°	8090.3	8071.1	7879.1	7710.2	7347.3	7268.6	7053.6	7028.6	6955.7	7220.6
42.5°	8664.4	8614.5	8336.1	8257.4	8159.4	8094.2	7965.5	7969.4	7808.1	8017.4
45°	9132.8	9104.0	8818.0	8771.9	8877.5	8850.6	8962.0	8990.8	8677.8	8852.5
47.5°	9635.8	9609.0	9367.0	9334.4	9620.5	9628.2	10021.7	10031.3	9526.4	9720.3
50°	10255.9	10217.6	9977.6	10017.9	10338.5	10367.3	11087.3	11022.0	10307.8	10601.5
52.5°	10664.9	10687.9	10636.1	10701.4	11139.1	11166.0	12135.5	11968.5	11081.5	11471.2
55°	10966.3	11012.4	11173.6	11323.4	11983.8	12010.7	13124.2	12868.9	11722.7	12277.6
57.5°	11354.1	11288.8	11590.3	11882.1	12786.3	12857.4	14086.1	13736.7	12291.0	12972.6
60°	11910.9	11864.8	12099.0	12531.0	13684.8	13798.1	15103.6	14518.1	12707.6	13523.6
62.5°	13039.8	12924.6	12961.0	13343.1	14817.6	14967.3	16251.7	15199.6	12915.0	13738.6
65°	14727.3	14529.6	14345.3	14610.2	16413.0	16560.8	17547.6	15735.3	12838.2	13322.0
67.5°	16852.6	16656.8	16430.3	16679.8	18762.9	18880.0	19146.9	16036.7	12233.4	11717.0
70°	18605.5	18532.5	18803.2	19830.3	22516.2	22520.1	21197.3	15787.1	10576.6	8307.3
72.5°	18373.2	18329.0	19755.5	22930.9	27246.8	27145.0	23138.3	13897.9	7124.6	3747.6
75°	15072.9	15359.0	17568.7	22875.3	28945.9	28932.4	21949.9	8835.2	2947.0	1553.2
77.5°	8082.7	8535.7	11406.0	16889.1	22596.9	22936.7	15431.9	3091.0	1265.2	994.5
80°	2636.0	3031.5	4546.3	8599.1	14683.2	14619.8	6614.0	1213.4	865.9	704.6
82.5°	1119.3	1165.4	2031.2	4060.5	7535.5	7418.4	2106.1	696.9	608.6	481.9
85°	437.7	489.6	896.6	1877.6	3263.8	3192.7	760.3	345.6	389.7	314.9
87.5°	144.0	174.7	320.6	643.2	1015.6	979.1	186.2	119.0	168.9	144.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4732.5	0°	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5	4732.5
4745.9	2.5°	4772.8	4803.5	4840.0	4893.7	4939.8	4978.2	5018.5	5043.5	5053.1	5081.9
4753.6	5°	4807.4	4874.6	4964.8	5053.1	5139.5	5191.3	5237.4	5260.4	5281.6	5296.9
4774.7	7.5°	4865.0	4951.3	5093.4	5208.6	5281.6	5323.8	5354.5	5346.8	5354.5	5358.4
4797.8	10°	4914.9	5035.8	5204.8	5314.2	5369.9	5371.8	5364.1	5337.2	5323.8	5325.7
4832.3	12.5°	4974.4	5108.8	5291.2	5383.3	5398.7	5356.4	5323.8	5277.7	5260.4	5252.8
4884.2	15°	5055.0	5208.6	5385.2	5419.8	5381.4	5327.6	5272.0	5197.1	5158.7	5128.0
4972.5	17.5°	5152.9	5321.9	5458.2	5433.2	5350.7	5262.4	5172.1	5058.9	4980.1	4947.5
5093.4	20°	5289.2	5440.9	5513.9	5404.4	5279.6	5145.3	4991.7	4853.4	4780.5	4747.8
5247.0	22.5°	5454.4	5600.3	5567.6	5354.5	5177.9	4962.9	4770.9	4669.1	4632.6	4609.6
5444.8	25°	5652.1	5776.9	5606.0	5281.6	5010.9	4721.0	4573.1	4540.5	4523.2	4505.9
5686.7	27.5°	5909.4	5976.6	5634.8	5174.1	4749.8	4463.7	4409.9	4415.7	4409.9	4381.1
6022.6	30°	6249.2	6235.7	5661.7	4999.3	4450.3	4231.4	4235.2	4260.2	4264.0	4244.8
6491.1	32.5°	6696.5	6560.2	5675.1	4772.8	4164.2	4027.9	4031.7	4058.6	4077.8	4045.2
7103.5	35°	7237.9	6938.4	5654.0	4488.7	3943.4	3834.0	3805.2	3812.9	3818.6	3787.9
7846.5	37.5°	7869.5	7362.7	5559.9	4173.8	3761.0	3643.9	3582.5	3530.6	3499.9	3471.1
8687.4	40°	8562.6	7825.4	5387.2	3866.6	3557.5	3442.3	3350.2	3252.3	3148.6	3110.2
9578.2	42.5°	9288.3	8301.5	5177.9	3572.9	3323.3	3229.2	3131.3	2989.2	2833.7	2755.0
10503.6	45°	10040.9	8789.2	4972.5	3283.0	3083.3	3043.0	2929.7	2758.9	2589.9	2490.1
11430.9	47.5°	10778.2	9249.9	4671.0	2991.2	2858.7	2902.8	2814.5	2657.1	2469.0	2311.5
12350.5	50°	11482.7	9681.9	4177.6	2695.5	2676.3	2860.6	2776.1	2549.6	2334.6	2133.0
13252.9	52.5°	12181.6	10031.3	3546.0	2426.7	2578.4	2849.1	2726.2	2476.6	2213.6	2002.4
14101.4	55°	12774.8	10211.8	2937.4	2196.3	2436.3	2751.2	2666.7	2390.2	2042.7	1818.1
14683.2	57.5°	13112.7	10065.9	2430.6	1969.8	2240.5	2589.9	2564.9	2205.9	1839.2	1666.4
14796.4	60°	12966.8	9474.6	2015.9	1772.0	2054.3	2415.2	2388.3	2023.5	1683.7	1520.5
14189.8	62.5°	12162.4	8347.6	1687.6	1599.3	1885.3	2236.6	2211.7	1883.4	1564.7	1407.3
12579.0	65°	10542.0	6790.6	1432.2	1455.3	1714.4	2021.6	2058.1	1766.3	1470.6	1317.0
9731.8	67.5°	8040.4	4918.7	1232.6	1330.5	1547.4	1810.4	1916.0	1681.8	1391.9	1246.0
5631.0	70°	4582.7	2793.4	1063.6	1209.5	1399.6	1614.6	1806.6	1614.6	1307.4	1186.5
2109.9	72.5°	1737.5	1282.5	919.6	1088.6	1257.5	1449.5	1685.6	1509.0	1209.5	1119.3
1090.5	75°	927.3	781.4	773.7	946.5	1094.3	1288.2	1534.0	1405.3	1136.6	1182.6
754.5	77.5°	631.6	552.9	647.0	810.2	915.8	1109.7	1372.7	1247.9	984.9	981.1
522.2	80°	437.7	391.7	526.0	652.8	708.4	933.1	1198.0	1071.3	802.5	748.7
322.5	82.5°	263.0	255.3	393.6	487.6	501.1	720.0	992.6	898.5	656.6	572.1
192.0	85°	144.0	151.7	251.5	286.1	291.8	503.0	777.5	695.0	504.9	424.3
69.1	87.5°	40.3	51.8	92.2	113.3	140.2	261.1	462.7	412.8	253.4	176.6
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°
4732.5
5080.0
5300.8
5364.1
5329.6
5248.9
5137.6
4949.4
4744.0
4613.4
4505.9
4386.9
4254.4
4060.5
3809.0
3490.3
3127.5
2764.6
2482.4
2294.2
2115.7
1979.4
1798.9
1643.4
1497.5
1382.3
1292.1
1223.0
1171.1
1103.9
1221.0
904.3
716.1
576.0
428.1
176.6
0.0

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