

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: P853231

Luminaire Tested: **GLAN-SB9C-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853231
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-SB9C-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 45485 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

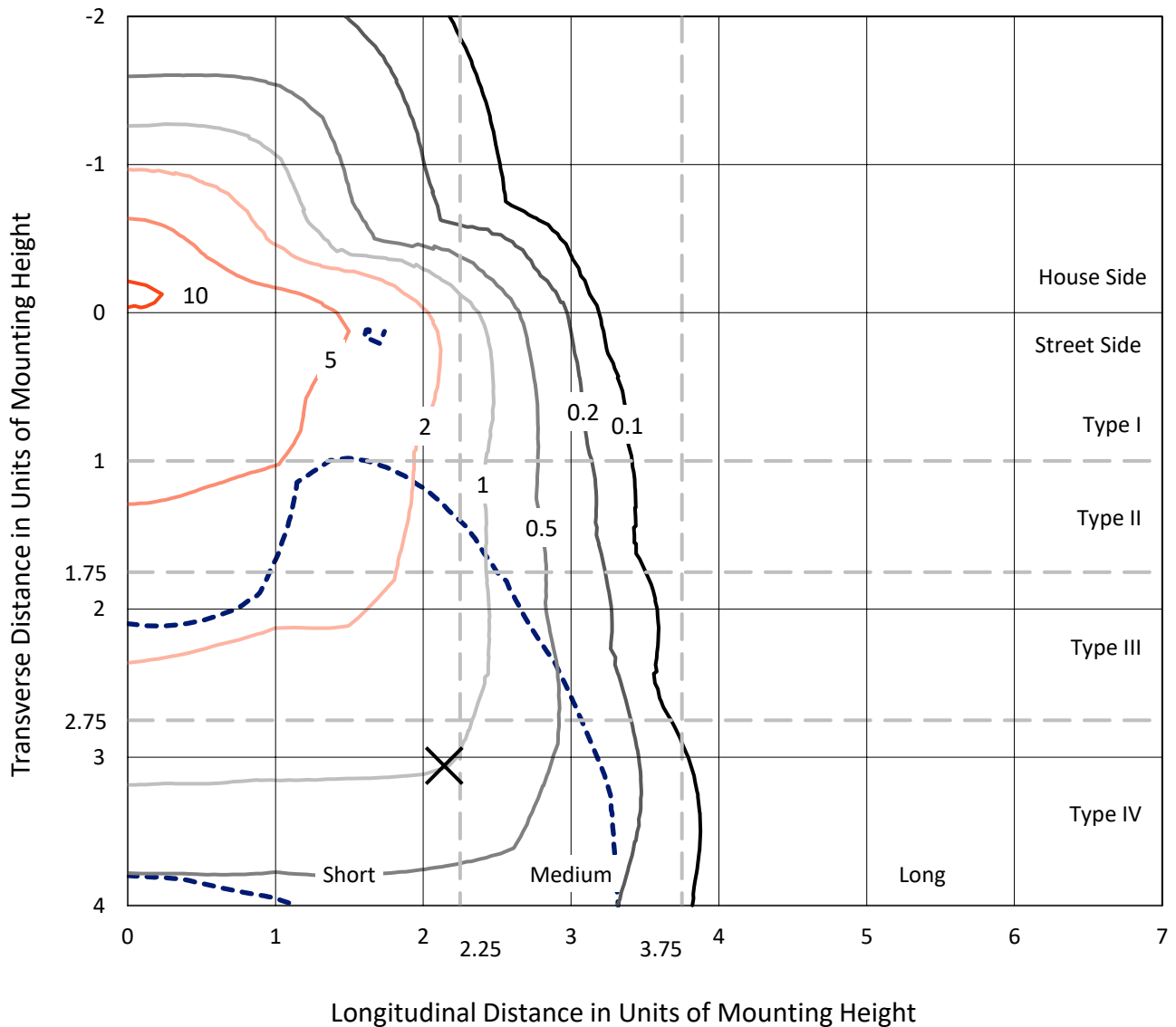
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

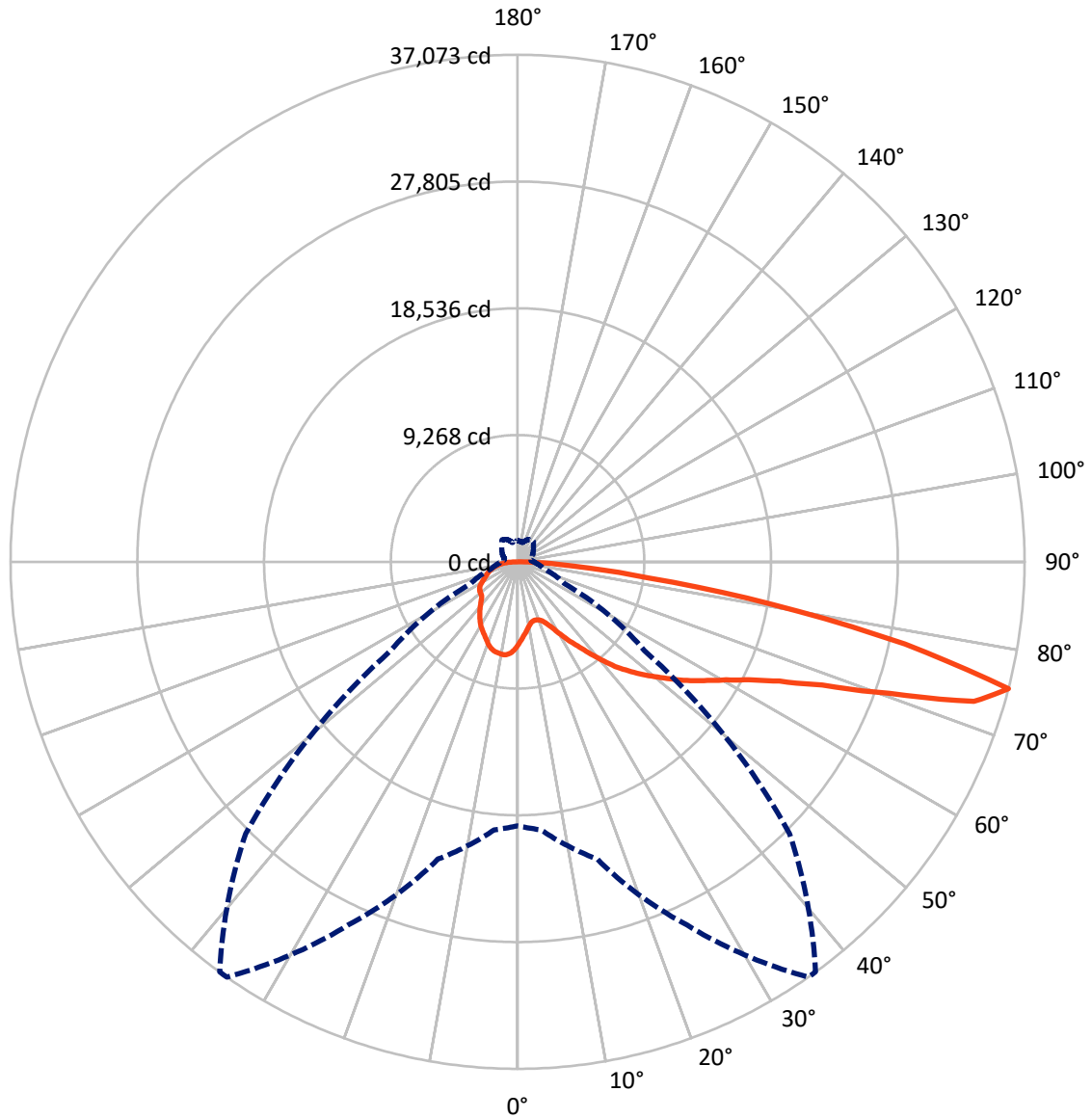
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 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	10824.3	0.0	10824.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	34660.7	0.0	34660.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	45485.0	0.0	45485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.9	1.3
10°-20°	1655.3	3.6
20°-30°	2779.7	6.1
30°-40°	4320.0	9.5
40°-50°	6412.0	14.1
50°-60°	8852.2	19.5
60°-70°	10739.7	23.6
70°-80°	8875.6	19.5
80°-90°	1276.6	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°	45485.0	100.0
0°-180°	45485.0	100.0

Coefficient of Utilization

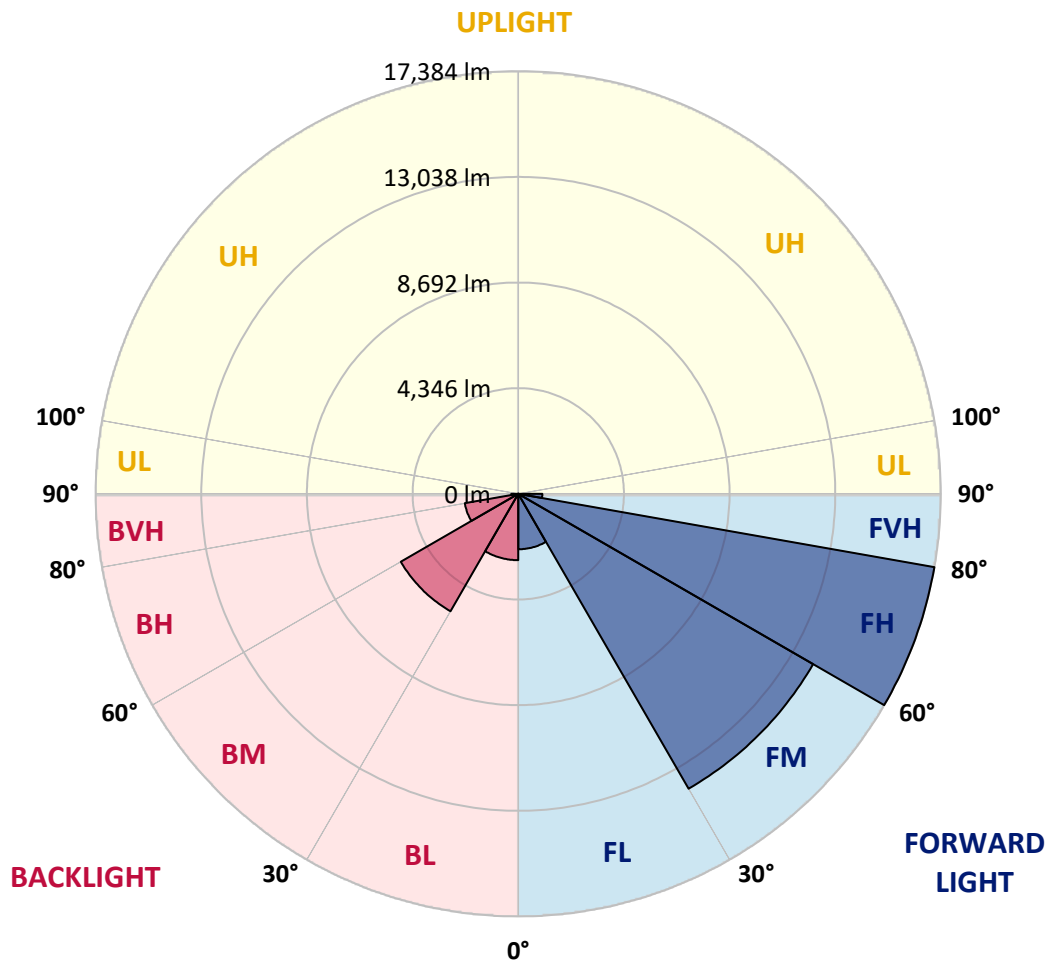


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2281.0	5.0			
FM (30°-60°)	14006.9	30.8			
FH (60°-80°)	17383.7	38.2			G5
FVH (80°-90°)	989.1	2.2			G5
BL (0°-30°)	2727.9	6.0	B4/5000		
BM (30°-60°)	5577.3	12.3	B4/8500		
BH (60°-80°)	2231.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	287.5	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	6061.2	6061.2	6061.2	6061.2	6061.2	6061.2	6061.2	6061.2	6061.2	6061.2
2.5°	5589.1	5623.5	5638.3	5630.9	5667.8	5662.8	5714.5	5778.4	5866.9	5953.0
5°	5158.8	5195.7	5227.6	5257.1	5328.4	5350.6	5431.7	5554.7	5716.9	5881.7
7.5°	4758.0	4789.9	4839.1	4893.2	5013.7	5035.8	5171.1	5362.9	5589.1	5830.0
10°	4430.9	4462.9	4514.5	4576.0	4726.0	4753.1	4925.2	5180.9	5476.0	5780.9
12.5°	4290.8	4300.6	4330.1	4391.6	4521.9	4539.1	4728.5	5021.1	5365.3	5744.0
15°	4283.4	4303.1	4305.5	4337.5	4445.7	4453.1	4627.6	4917.8	5296.5	5736.6
17.5°	4357.2	4371.9	4349.8	4369.5	4460.4	4472.7	4610.4	4868.6	5274.3	5768.6
20°	4553.9	4566.2	4499.8	4472.7	4539.1	4549.0	4684.2	4900.6	5296.5	5835.0
22.5°	4971.9	4979.3	4817.0	4706.3	4711.2	4716.2	4834.2	5030.9	5382.5	5955.5
25°	5623.5	5618.6	5360.4	5146.5	5023.5	4996.5	5075.2	5242.4	5527.6	6115.3
27.5°	6385.8	6348.9	6090.7	5771.0	5503.0	5463.7	5446.5	5517.8	5734.2	6326.7
30°	7246.4	7211.9	6934.1	6516.1	6144.8	6080.9	5918.6	5881.7	6041.5	6614.4
32.5°	8190.6	8168.5	7836.5	7330.0	6833.3	6759.5	6486.6	6388.2	6513.6	7049.7
35°	8982.4	8962.7	8687.3	8166.0	7558.7	7467.7	7189.8	7079.2	7143.1	7607.8
37.5°	9697.9	9688.1	9452.0	9041.4	8414.3	8303.7	7991.4	7954.5	7942.2	8343.0
40°	10361.8	10337.2	10091.3	9874.9	9410.2	9309.4	9034.0	9002.0	8908.6	9247.9
42.5°	11097.0	11033.1	10676.5	10575.7	10450.3	10366.7	10202.0	10206.9	10000.3	10268.4
45°	11697.0	11660.1	11293.7	11234.7	11369.9	11335.5	11478.1	11515.0	11114.2	11338.0
47.5°	12341.2	12306.8	11997.0	11955.2	12321.5	12331.4	12835.4	12847.7	12201.1	12449.4
50°	13135.4	13086.3	12778.9	12830.5	13241.2	13278.1	14200.1	14116.5	13201.8	13578.0
52.5°	13659.2	13688.7	13622.3	13705.9	14266.5	14301.0	15542.7	15328.8	14192.8	14691.9
55°	14045.2	14104.2	14310.8	14502.6	15348.4	15382.9	16809.0	16482.0	15014.0	15724.7
57.5°	14541.9	14458.3	14844.4	15218.1	16376.3	16467.2	18040.9	17593.4	15741.9	16614.8
60°	15255.0	15196.0	15496.0	16049.2	17527.0	17672.1	19344.2	18594.2	16275.4	17320.5
62.5°	16700.8	16553.3	16600.0	17089.3	18977.8	19169.6	20814.6	19467.1	16541.0	17595.9
65°	18862.2	18608.9	18372.9	18712.2	21021.1	21210.5	22474.3	20153.1	16442.7	17062.3
67.5°	21584.2	21333.4	21043.3	21362.9	24030.8	24180.8	24522.6	20539.2	15668.1	15006.7
70°	23829.2	23735.7	24082.4	25398.0	28838.0	28842.9	27148.7	20219.5	13546.1	10639.7
72.5°	23531.7	23475.1	25302.1	29369.1	34896.7	34766.4	29634.6	17800.0	9125.0	4799.8
75°	19304.8	19671.2	22501.4	29297.8	37072.8	37055.6	28112.6	11315.8	3774.4	1989.2
77.5°	10352.0	10932.3	14608.3	21630.9	28941.2	29376.5	19764.6	3958.8	1620.4	1273.7
80°	3376.1	3882.6	5822.7	11013.4	18805.7	18724.5	8470.9	1554.0	1109.0	902.4
82.5°	1433.5	1492.6	2601.5	5200.6	9651.2	9501.2	2697.4	892.6	779.5	617.2
85°	560.6	627.0	1148.3	2404.8	4180.1	4089.1	973.7	442.6	499.2	403.3
87.5°	184.4	223.8	410.6	823.7	1300.8	1254.0	238.5	152.5	216.4	184.4
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°
6061.2	0°	6061.2	6061.2	6061.2	6061.2	6061.2	6061.2	6061.2	6061.2	6061.2	6061.2
6078.4	2.5°	6112.8	6152.2	6198.9	6267.7	6326.7	6375.9	6427.6	6459.5	6471.8	6508.7
6088.2	5°	6157.1	6243.1	6358.7	6471.8	6582.5	6648.9	6707.9	6737.4	6764.4	6784.1
6115.3	7.5°	6230.8	6341.5	6523.5	6671.0	6764.4	6818.5	6857.9	6848.0	6857.9	6862.8
6144.8	10°	6294.8	6449.7	6666.1	6806.2	6877.5	6880.0	6870.2	6835.7	6818.5	6821.0
6189.0	12.5°	6371.0	6543.1	6776.7	6894.8	6914.4	6860.3	6818.5	6759.5	6737.4	6727.5
6255.4	15°	6474.3	6671.0	6897.2	6941.5	6892.3	6823.4	6752.1	6656.2	6607.1	6567.7
6368.5	17.5°	6599.7	6816.1	6990.6	6958.7	6852.9	6739.8	6624.3	6479.2	6378.4	6336.6
6523.5	20°	6774.3	6968.5	7062.0	6921.8	6762.0	6589.8	6393.1	6216.1	6122.7	6080.9
6720.2	22.5°	6985.7	7172.6	7130.8	6857.9	6631.6	6356.3	6110.4	5980.0	5933.3	5903.8
6973.4	25°	7239.0	7398.8	7180.0	6764.4	6417.7	6046.4	5857.1	5815.3	5793.2	5771.0
7283.3	27.5°	7568.5	7654.5	7216.9	6626.7	6083.3	5716.9	5648.1	5655.5	5648.1	5611.2
7713.6	30°	8003.7	7986.5	7251.3	6403.0	5699.7	5419.4	5424.3	5456.3	5461.2	5436.6
8313.5	32.5°	8576.6	8402.1	7268.5	6112.8	5333.4	5158.8	5163.7	5198.1	5222.7	5180.9
9097.9	35°	9270.0	8886.5	7241.5	5748.9	5050.6	4910.4	4873.5	4883.4	4890.7	4851.4
10049.5	37.5°	10079.0	9429.9	7121.0	5345.6	4817.0	4667.0	4588.3	4521.9	4482.6	4445.7
11126.5	40°	10966.7	10022.5	6899.7	4952.2	4556.3	4408.8	4290.8	4165.4	4032.6	3983.4
12267.4	42.5°	11896.1	10632.3	6631.6	4576.0	4256.4	4135.9	4010.5	3828.5	3629.3	3528.5
13452.6	45°	12860.0	11256.8	6368.5	4204.7	3949.0	3897.4	3752.3	3533.4	3317.1	3189.2
14640.3	47.5°	13804.3	11847.0	5982.5	3831.0	3661.3	3717.9	3604.7	3403.1	3162.1	2960.5
15818.1	50°	14706.7	12400.2	5350.6	3452.3	3427.7	3663.8	3555.6	3265.4	2990.0	2731.8
16973.8	52.5°	15601.7	12847.7	4541.6	3108.0	3302.3	3649.0	3491.6	3172.0	2835.1	2564.6
18060.6	55°	16361.5	13078.9	3762.1	2813.0	3120.3	3523.6	3415.4	3061.3	2616.3	2328.6
18805.7	57.5°	16794.3	12892.0	3113.0	2522.8	2869.5	3317.1	3285.1	2825.3	2355.6	2134.3
18950.7	60°	16607.4	12134.7	2581.8	2269.6	2631.0	3093.3	3058.9	2591.7	2156.5	1947.4
18173.7	62.5°	15577.1	10691.3	2161.4	2048.3	2414.6	2864.6	2832.7	2412.2	2004.0	1802.4
16110.7	65°	13501.8	8697.1	1834.3	1863.8	2195.8	2589.2	2635.9	2262.2	1883.5	1686.8
12464.2	67.5°	10297.9	6299.7	1578.6	1704.0	1981.9	2318.7	2454.0	2154.0	1782.7	1595.8
7211.9	70°	5869.4	3577.7	1362.2	1549.1	1792.5	2067.9	2313.8	2067.9	1674.5	1519.6
2702.3	72.5°	2225.3	1642.5	1177.8	1394.2	1610.6	1856.5	2158.9	1932.7	1549.1	1433.5
1396.7	75°	1187.6	1000.8	990.9	1212.2	1401.6	1649.9	1964.7	1799.9	1455.7	1514.7
966.3	77.5°	809.0	708.2	828.6	1037.7	1172.9	1421.2	1758.1	1598.3	1261.4	1256.5
668.8	80°	560.6	501.6	673.7	836.0	907.3	1195.0	1534.4	1372.1	1027.8	959.0
413.1	82.5°	336.9	327.0	504.1	624.6	641.8	922.1	1271.3	1150.8	840.9	732.8
245.9	85°	184.4	194.3	322.1	366.4	373.8	644.2	995.9	890.1	646.7	543.4
88.5	87.5°	51.6	66.4	118.0	145.1	179.5	334.4	592.6	528.7	324.6	226.2
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°
6061.2
6506.2
6789.0
6870.2
6825.9
6722.6
6580.0
6339.0
6075.9
5908.7
5771.0
5618.6
5448.9
5200.6
4878.5
4470.3
4005.5
3540.8
3179.4
2938.4
2709.7
2535.1
2304.0
2104.8
1917.9
1770.4
1654.8
1566.3
1499.9
1413.9
1563.9
1158.1
917.2
737.7
548.3
226.2
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