

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: P852919

Luminaire Tested: **GLAN-SB7B-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852919
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-SB7B-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35199 lumens
Efficiency: N/A
Efficacy: 137.1 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

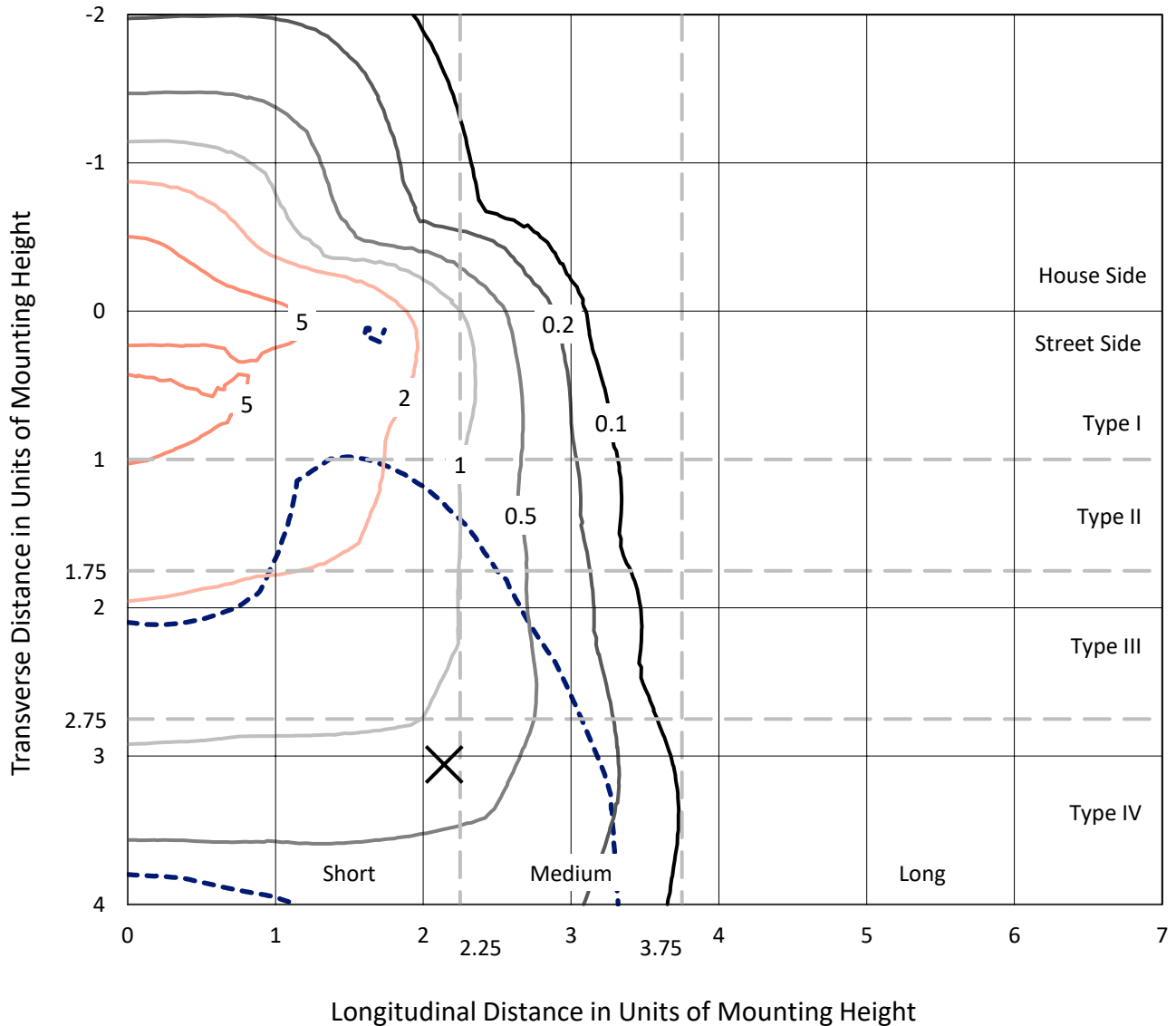
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

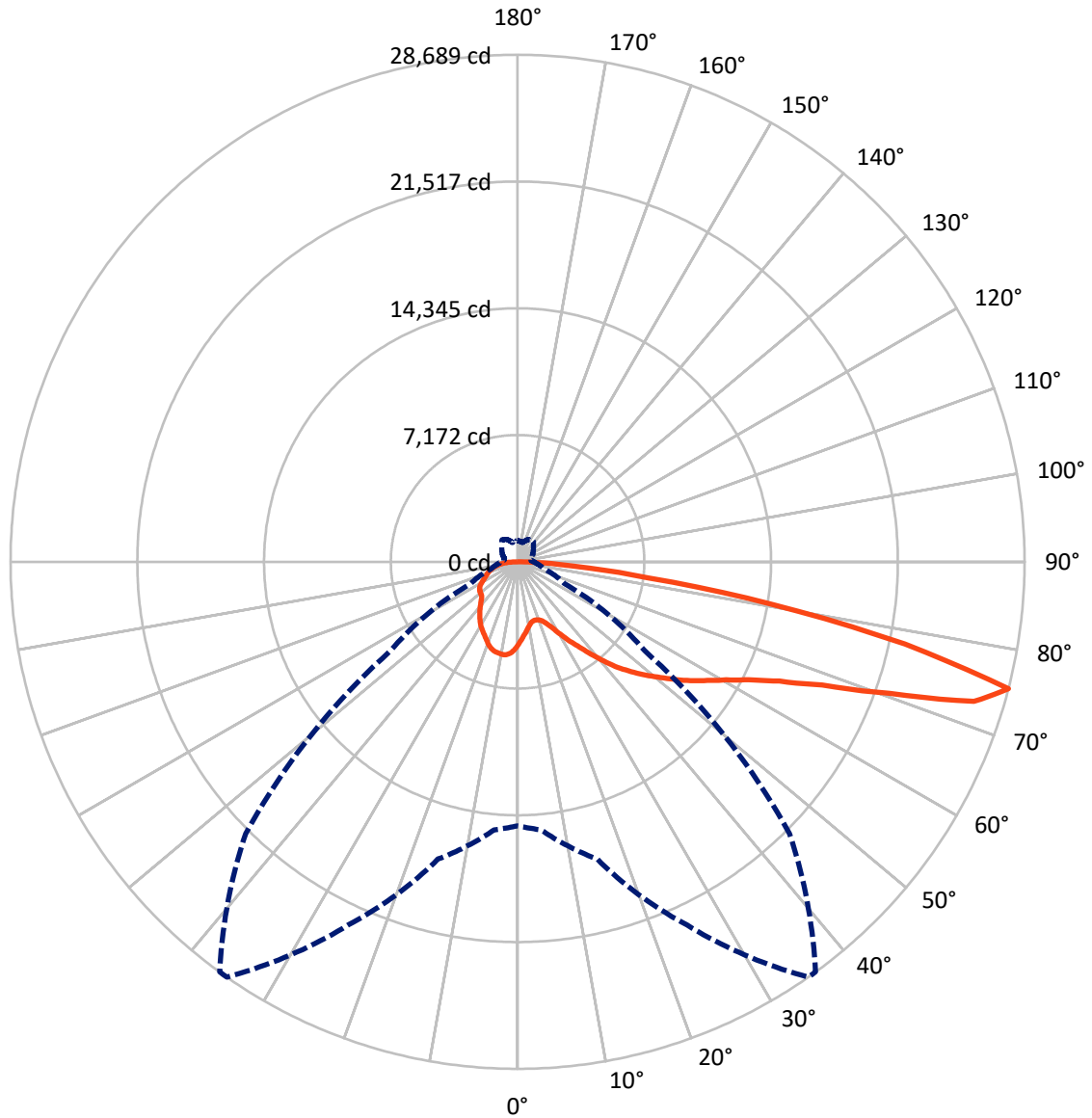
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	8376.5	0.0	8376.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	26822.5	0.0	26822.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	35199.0	0.0	35199.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.1	1.3
10°-20°	1281.0	3.6
20°-30°	2151.1	6.1
30°-40°	3343.1	9.5
40°-50°	4962.0	14.1
50°-60°	6850.4	19.5
60°-70°	8311.1	23.6
70°-80°	6868.5	19.5
80°-90°	987.9	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°	35199.0	100.0
0°-180°	35199.0	100.0

Coefficient of Utilization

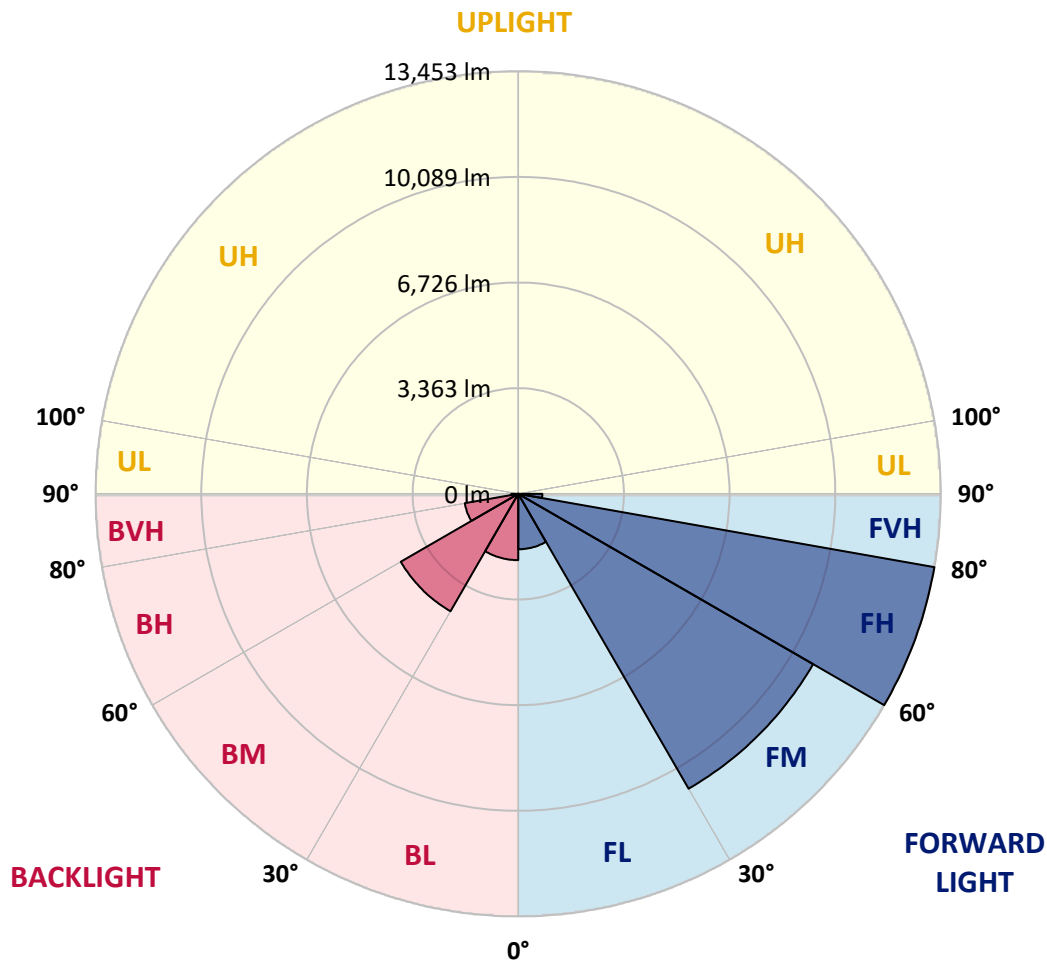


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1765.2	5.0			
FM (30°-60°)	10839.4	30.8			
FH (60°-80°)	13452.5	38.2			G5
FVH (80°-90°)	765.4	2.2			G5
BL (0°-30°)	2111.0	6.0	B3/2500		
BM (30°-60°)	4316.1	12.3	B3/5000		
BH (60°-80°)	1727.0	4.9	B3/2500		G3/2500
BVH (80°-90°)	222.4	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°	4690.5	4690.5	4690.5	4690.5	4690.5	4690.5	4690.5	4690.5	4690.5	4690.5
2.5°	4325.2	4351.8	4363.2	4357.5	4386.1	4382.2	4422.2	4471.7	4540.2	4606.8
5°	3992.2	4020.7	4045.4	4068.3	4123.5	4140.6	4203.4	4298.5	4424.1	4551.6
7.5°	3682.0	3706.7	3744.8	3786.7	3879.9	3897.0	4001.7	4150.1	4325.2	4511.6
10°	3428.9	3453.7	3493.6	3541.2	3657.3	3678.2	3811.4	4009.3	4237.6	4473.6
12.5°	3320.5	3328.1	3350.9	3398.5	3499.3	3512.6	3659.2	3885.6	4152.0	4445.0
15°	3314.8	3330.0	3331.9	3356.6	3440.3	3446.0	3581.1	3805.7	4098.7	4439.3
17.5°	3371.8	3383.3	3366.1	3381.3	3451.8	3461.3	3567.8	3767.6	4081.6	4464.1
20°	3524.1	3533.6	3482.2	3461.3	3512.6	3520.3	3624.9	3792.4	4098.7	4515.4
22.5°	3847.5	3853.3	3727.7	3642.0	3645.8	3649.7	3741.0	3893.2	4165.3	4608.7
25°	4351.8	4348.0	4148.2	3982.6	3887.5	3866.6	3927.5	4056.9	4277.6	4732.4
27.5°	4941.7	4913.1	4713.3	4466.0	4258.6	4228.1	4214.8	4270.0	4437.4	4896.0
30°	5607.7	5581.0	5366.0	5042.5	4755.2	4705.7	4580.1	4551.6	4675.3	5118.6
32.5°	6338.4	6321.2	6064.4	5672.4	5288.0	5230.9	5019.7	4943.6	5040.6	5455.4
35°	6951.1	6935.9	6722.7	6319.3	5849.3	5778.9	5563.9	5478.3	5527.8	5887.4
37.5°	7504.8	7497.2	7314.5	6996.7	6511.5	6425.9	6184.2	6155.7	6146.2	6456.3
40°	8018.6	7999.5	7809.3	7641.8	7282.2	7204.2	6991.0	6966.3	6894.0	7156.6
42.5°	8587.5	8538.1	8262.1	8184.1	8087.1	8022.4	7894.9	7898.7	7738.9	7946.3
45°	9051.8	9023.3	8739.8	8694.1	8798.7	8772.1	8882.5	8911.0	8600.8	8774.0
47.5°	9550.4	9523.7	9284.0	9251.6	9535.1	9542.8	9932.8	9942.3	9441.9	9634.1
50°	10165.0	10126.9	9889.1	9929.0	10246.8	10275.3	10988.9	10924.2	10216.4	10507.5
52.5°	10570.3	10593.1	10541.7	10606.4	11040.3	11066.9	12027.9	11862.3	10983.2	11369.5
55°	10869.0	10914.7	11074.5	11223.0	11877.5	11904.2	13007.8	12754.7	11618.8	12168.7
57.5°	11253.4	11188.7	11487.5	11776.7	12672.9	12743.3	13961.1	13614.8	12182.0	12857.5
60°	11805.2	11759.6	11991.7	12419.8	13563.5	13675.7	14969.7	14389.3	12594.9	13403.6
62.5°	12924.1	12809.9	12846.1	13224.8	14686.1	14834.6	16107.6	15064.8	12800.4	13616.7
65°	14596.7	14400.7	14218.0	14480.6	16267.4	16413.9	17392.0	15595.7	12724.3	13203.8
67.5°	16703.1	16509.1	16284.5	16531.9	18596.5	18712.5	18977.0	15894.4	12124.9	11613.0
70°	18440.4	18368.1	18636.4	19654.5	22316.5	22320.3	21009.3	15647.1	10482.8	8233.6
72.5°	18210.2	18166.4	19580.2	22727.5	27005.1	26904.3	22933.0	13774.7	7061.4	3714.3
75°	14939.2	15222.7	17412.9	22672.4	28689.1	28675.8	21755.2	8756.9	2920.9	1539.4
77.5°	8011.0	8460.0	11304.8	16739.3	22396.4	22733.3	15295.0	3063.6	1254.0	985.7
80°	2612.6	3004.6	4505.9	8522.8	14552.9	14490.1	6555.3	1202.6	858.2	698.3
82.5°	1109.4	1155.0	2013.2	4024.5	7468.7	7352.6	2087.4	690.7	603.2	477.6
85°	433.8	485.2	888.6	1861.0	3234.8	3164.4	753.5	342.5	386.3	312.1
87.5°	142.7	173.2	317.8	637.5	1006.6	970.4	184.6	118.0	167.5	142.7
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°
4690.5	0°	4690.5	4690.5	4690.5	4690.5	4690.5	4690.5	4690.5	4690.5	4690.5	4690.5
4703.8	2.5°	4730.5	4760.9	4797.1	4850.3	4896.0	4934.1	4974.0	4998.8	5008.3	5036.8
4711.4	5°	4764.7	4831.3	4920.7	5008.3	5093.9	5145.3	5191.0	5213.8	5234.7	5249.9
4732.4	7.5°	4821.8	4907.4	5048.2	5162.4	5234.7	5276.6	5307.0	5299.4	5307.0	5310.8
4755.2	10°	4871.3	4991.2	5158.6	5267.1	5322.2	5324.2	5316.5	5289.9	5276.6	5278.5
4789.5	12.5°	4930.3	5063.5	5244.2	5335.6	5350.8	5308.9	5276.6	5230.9	5213.8	5206.2
4840.8	15°	5010.2	5162.4	5337.5	5371.7	5333.7	5280.4	5225.2	5151.0	5112.9	5082.5
4928.4	17.5°	5107.2	5274.7	5409.8	5385.0	5303.2	5215.7	5126.3	5014.0	4936.0	4903.6
5048.2	20°	5242.3	5392.7	5465.0	5356.5	5232.8	5099.6	4947.4	4810.4	4738.1	4705.7
5200.5	22.5°	5406.0	5550.6	5518.2	5307.0	5132.0	4918.8	4728.6	4627.7	4591.6	4568.7
5396.5	25°	5602.0	5725.7	5556.3	5234.7	4966.4	4679.1	4532.6	4500.2	4483.1	4466.0
5636.2	27.5°	5856.9	5923.5	5584.8	5128.2	4707.6	4424.1	4370.8	4376.5	4370.8	4342.3
5969.2	30°	6193.7	6180.4	5611.5	4955.0	4410.8	4193.9	4197.7	4222.4	4226.2	4207.2
6433.5	32.5°	6637.1	6502.0	5624.8	4730.5	4127.3	3992.2	3996.0	4022.6	4041.6	4009.3
7040.5	35°	7173.7	6876.9	5603.9	4448.8	3908.4	3800.0	3771.4	3779.0	3784.8	3754.3
7776.9	37.5°	7799.7	7297.4	5510.6	4136.8	3727.7	3611.6	3550.7	3499.3	3468.9	3440.3
8610.4	40°	8486.7	7756.0	5339.4	3832.3	3526.0	3411.8	3320.5	3223.4	3120.7	3082.6
9493.3	42.5°	9205.9	8227.9	5132.0	3541.2	3293.8	3200.6	3103.5	2962.7	2808.6	2730.6
10410.4	45°	9951.9	8711.2	4928.4	3253.9	3056.0	3016.0	2903.7	2734.4	2566.9	2468.0
11329.5	47.5°	10682.6	9167.9	4629.6	2964.6	2833.3	2877.1	2789.6	2633.5	2447.1	2291.0
12241.0	50°	11380.9	9596.0	4140.6	2671.6	2652.6	2835.2	2751.5	2527.0	2313.9	2114.1
13135.3	52.5°	12073.5	9942.3	3514.5	2405.2	2555.5	2823.8	2702.0	2454.7	2194.0	1984.7
13976.4	55°	12661.5	10121.2	2911.3	2176.9	2414.7	2726.8	2643.0	2369.0	2024.6	1802.0
14552.9	57.5°	12996.4	9976.6	2409.0	1952.3	2220.6	2566.9	2542.2	2186.4	1822.9	1651.7
14665.2	60°	12851.8	9390.5	1998.0	1756.3	2036.0	2393.8	2367.1	2005.6	1668.8	1507.1
14063.9	62.5°	12054.5	8273.6	1672.6	1585.1	1868.6	2216.8	2192.1	1866.7	1550.8	1394.8
12467.4	65°	10448.5	6730.4	1419.5	1442.4	1699.2	2003.7	2039.8	1750.6	1457.6	1305.3
9645.5	67.5°	7969.1	4875.1	1221.6	1318.7	1533.7	1794.4	1899.0	1666.9	1379.6	1234.9
5581.0	70°	4542.1	2768.6	1054.2	1198.8	1387.2	1600.3	1790.6	1600.3	1295.8	1176.0
2091.2	72.5°	1722.1	1271.1	911.5	1078.9	1246.4	1436.6	1670.7	1495.6	1198.8	1109.4
1080.8	75°	919.1	774.5	766.8	938.1	1084.6	1276.8	1520.4	1392.9	1126.5	1172.2
747.8	77.5°	626.0	548.0	641.3	803.0	907.7	1099.8	1360.5	1236.8	976.2	972.4
517.6	80°	433.8	388.2	521.4	647.0	702.1	924.8	1187.4	1061.8	795.4	742.1
319.7	82.5°	260.7	253.1	390.1	483.3	496.6	713.6	983.8	890.5	650.8	567.0
190.3	85°	142.7	150.3	249.3	283.5	289.2	498.5	770.7	688.8	500.4	420.5
68.5	87.5°	40.0	51.4	91.3	112.3	138.9	258.8	458.6	409.1	251.2	175.1
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°
4690.5
5034.9
5253.7
5316.5
5282.3
5202.4
5092.0
4905.5
4701.9
4572.5
4466.0
4348.0
4216.7
4024.5
3775.2
3459.4
3099.7
2740.1
2460.4
2273.9
2096.9
1961.8
1783.0
1628.8
1484.2
1370.0
1280.6
1212.1
1160.7
1094.1
1210.2
896.2
709.8
570.9
424.3
175.1
0.0

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