

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: P852917

Luminaire Tested: **GLAN-SB7B-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852917
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-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32772 lumens
Efficiency: N/A
Efficacy: 127.7 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

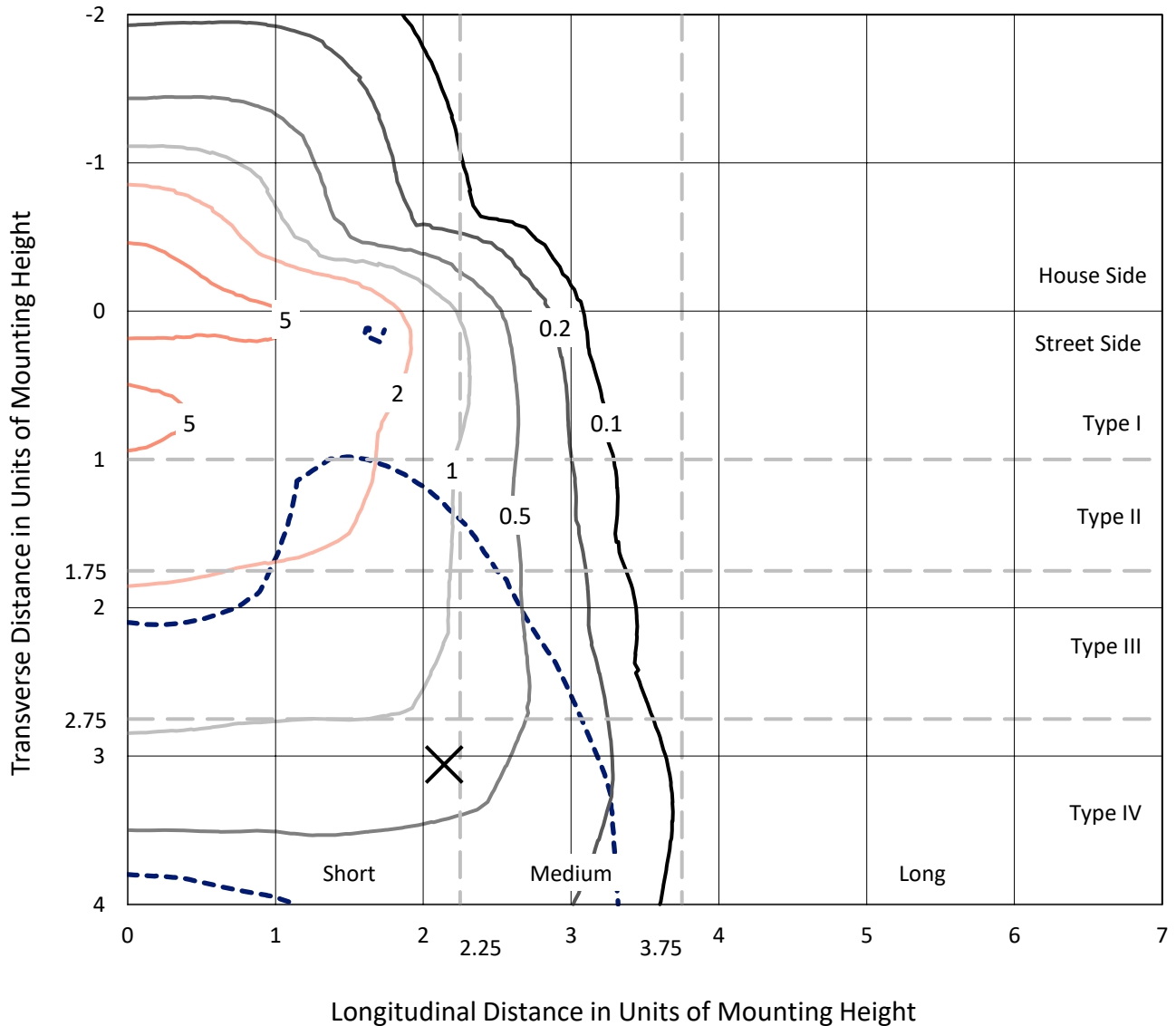
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

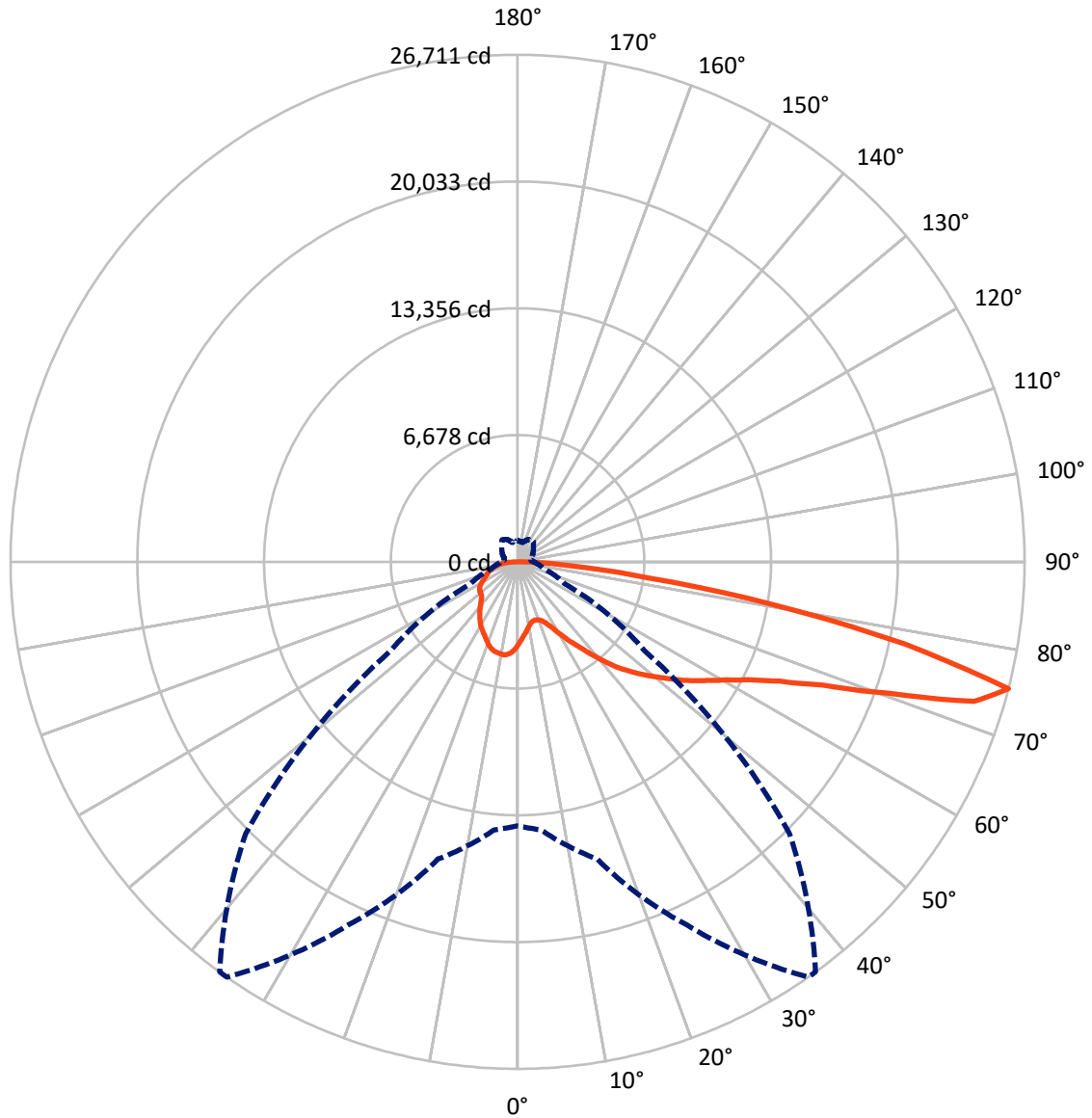
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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	7798.9	0.0	7798.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	24973.1	0.0	24973.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	32772.0	0.0	32772.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	413.5	1.3
10°-20°	1192.6	3.6
20°-30°	2002.8	6.1
30°-40°	3112.6	9.5
40°-50°	4619.9	14.1
50°-60°	6378.0	19.5
60°-70°	7738.0	23.6
70°-80°	6394.9	19.5
80°-90°	919.8	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°	32772.0	100.0
0°-180°	32772.0	100.0

Coefficient of Utilization

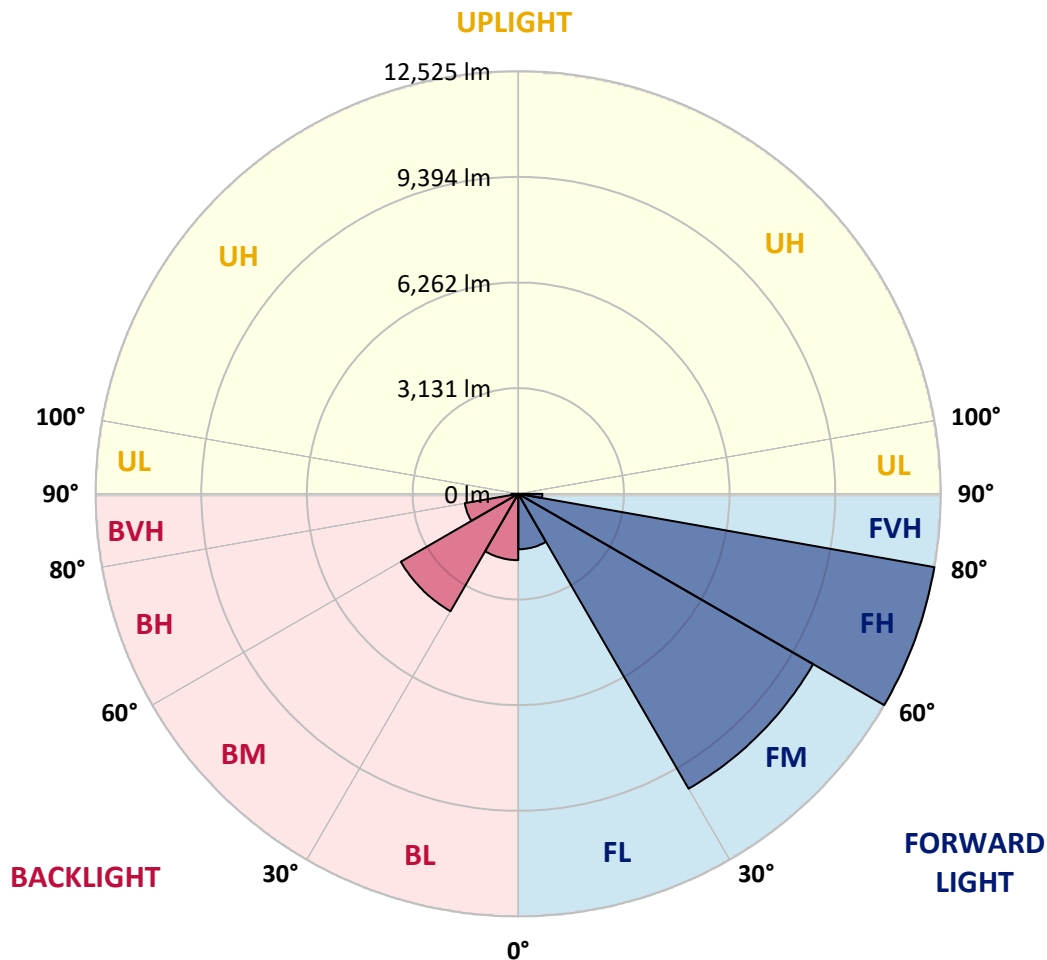


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1643.5	5.0			
FM	(30°-60°)	10092.0	30.8			
FH	(60°-80°)	12525.0	38.2			G5
FVH	(80°-90°)	712.7	2.2			G4/750
BL	(0°-30°)	1965.4	6.0	B3/2500		
BM	(30°-60°)	4018.5	12.3	B3/5000		
BH	(60°-80°)	1607.9	4.9	B3/2500		G3/2500
BVH	(80°-90°)	207.1	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°	4367.1	4367.1	4367.1	4367.1	4367.1	4367.1	4367.1	4367.1	4367.1	4367.1
2.5°	4026.9	4051.7	4062.4	4057.1	4083.6	4080.1	4117.3	4163.4	4227.1	4289.1
5°	3716.9	3743.5	3766.5	3787.8	3839.1	3855.1	3913.6	4002.1	4119.1	4237.8
7.5°	3428.1	3451.2	3486.6	3525.6	3612.4	3628.3	3725.8	3863.9	4026.9	4200.6
10°	3192.5	3215.5	3252.7	3297.0	3405.1	3424.6	3548.6	3732.8	3945.4	4165.1
12.5°	3091.5	3098.6	3119.9	3164.1	3258.0	3270.4	3406.9	3617.7	3865.7	4138.5
15°	3086.2	3100.4	3102.1	3125.2	3203.1	3208.4	3334.2	3543.3	3816.1	4133.2
17.5°	3139.3	3150.0	3134.0	3148.2	3213.8	3222.6	3321.8	3507.8	3800.2	4156.3
20°	3281.1	3289.9	3242.1	3222.6	3270.4	3277.5	3375.0	3530.9	3816.1	4204.1
22.5°	3582.3	3587.6	3470.6	3390.9	3394.5	3398.0	3483.0	3624.8	3878.1	4290.9
25°	4051.7	4048.2	3862.2	3708.0	3619.5	3600.0	3656.7	3777.1	3982.6	4406.1
27.5°	4600.9	4574.4	4388.4	4158.0	3964.9	3936.6	3924.2	3975.6	4131.5	4558.4
30°	5221.0	5196.2	4996.0	4694.8	4427.3	4381.3	4264.3	4237.8	4352.9	4765.7
32.5°	5901.3	5885.4	5646.2	5281.3	4923.4	4870.2	4673.6	4602.7	4693.1	5079.3
35°	6471.8	6457.6	6259.2	5883.6	5446.0	5380.5	5180.3	5100.5	5146.6	5481.5
37.5°	6987.3	6980.3	6810.2	6514.3	6062.5	5982.8	5757.8	5731.3	5722.4	6011.2
40°	7465.7	7448.0	7270.8	7114.9	6780.1	6707.4	6509.0	6486.0	6418.6	6663.1
42.5°	7995.4	7949.3	7692.5	7619.8	7529.5	7469.2	7350.5	7354.1	7205.3	7398.4
45°	8427.7	8401.1	8137.1	8094.6	8192.1	8167.3	8270.0	8296.6	8007.8	8169.0
47.5°	8891.9	8867.1	8643.8	8613.7	8877.7	8884.8	9248.0	9256.8	8790.9	8969.8
50°	9464.1	9428.7	9207.2	9244.4	9540.3	9566.9	10231.2	10171.0	9511.9	9783.0
52.5°	9841.5	9862.7	9814.9	9875.1	10279.1	10303.9	11198.5	11044.4	10225.9	10585.5
55°	10119.6	10162.1	10310.9	10449.1	11058.6	11083.4	12110.9	11875.3	10817.6	11329.6
57.5°	10477.5	10417.2	10695.4	10964.7	11799.1	11864.7	12998.5	12676.1	11342.0	11971.0
60°	10991.2	10948.7	11164.9	11563.5	12628.2	12732.8	13937.5	13397.1	11726.5	12479.4
62.5°	12033.0	11926.7	11960.3	12312.9	13673.5	13811.7	14996.9	14026.1	11917.8	12677.9
65°	13590.2	13407.8	13237.7	13482.2	15145.7	15282.2	16192.8	14520.4	11847.0	12293.4
67.5°	15551.4	15370.7	15161.7	15392.0	17314.2	17422.3	17668.6	14798.5	11288.9	10812.3
70°	17169.0	17101.6	17351.4	18299.3	20777.8	20781.3	19560.7	14568.2	9760.0	7665.9
72.5°	16954.6	16913.8	18230.2	21160.5	25143.1	25049.2	21351.8	12824.9	6574.6	3458.2
75°	13909.1	14173.1	16212.3	21109.1	26711.0	26698.6	20255.2	8153.1	2719.5	1433.3
77.5°	7458.6	7876.7	10525.3	15585.1	20852.2	21165.8	14240.4	2852.3	1167.5	917.7
80°	2432.5	2797.4	4195.2	7935.2	13549.5	13491.0	6103.3	1119.7	799.0	650.2
82.5°	1032.9	1075.4	1874.4	3747.0	6953.7	6845.6	1943.5	643.1	561.6	444.7
85°	403.9	451.8	827.4	1732.7	3011.8	2946.2	701.6	318.9	359.6	290.5
87.5°	132.9	161.2	295.9	593.5	937.2	903.5	171.8	109.8	155.9	132.9
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°
4367.1	0°	4367.1	4367.1	4367.1	4367.1	4367.1	4367.1	4367.1	4367.1	4367.1	4367.1
4379.5	2.5°	4404.3	4432.6	4466.3	4515.9	4558.4	4593.9	4631.1	4654.1	4663.0	4689.5
4386.6	5°	4436.2	4498.2	4581.5	4663.0	4742.7	4790.5	4833.0	4854.3	4873.8	4888.0
4406.1	7.5°	4489.3	4569.1	4700.2	4806.5	4873.8	4912.8	4941.1	4934.0	4941.1	4944.6
4427.3	10°	4535.4	4647.0	4802.9	4903.9	4955.3	4957.0	4950.0	4925.2	4912.8	4914.5
4459.2	12.5°	4590.3	4714.3	4882.6	4967.7	4981.8	4942.9	4912.8	4870.2	4854.3	4847.2
4507.1	15°	4664.7	4806.5	4969.4	5001.3	4965.9	4916.3	4864.9	4795.8	4760.4	4732.0
4588.5	17.5°	4755.1	4911.0	5036.8	5013.7	4937.6	4856.1	4772.8	4668.3	4595.6	4565.5
4700.2	20°	4880.9	5020.8	5088.1	4987.2	4872.0	4748.0	4606.3	4478.7	4411.4	4381.3
4841.9	22.5°	5033.2	5167.9	5137.8	4941.1	4778.1	4579.7	4402.5	4308.6	4275.0	4253.7
5024.4	25°	5215.7	5330.9	5173.2	4873.8	4624.0	4356.5	4220.0	4189.9	4174.0	4158.0
5247.6	27.5°	5453.1	5515.1	5199.8	4774.6	4383.0	4119.1	4069.5	4074.8	4069.5	4042.9
5557.6	30°	5766.7	5754.3	5224.6	4613.3	4106.7	3904.7	3908.2	3931.3	3934.8	3917.1
5989.9	32.5°	6179.5	6053.7	5237.0	4404.3	3842.7	3716.9	3720.4	3745.2	3763.0	3732.8
6555.1	35°	6679.1	6402.7	5217.5	4142.1	3638.9	3538.0	3511.4	3518.5	3523.8	3495.4
7240.7	37.5°	7261.9	6794.2	5130.7	3851.5	3470.6	3362.6	3305.9	3258.0	3229.7	3203.1
8016.7	40°	7901.5	7221.2	4971.2	3568.1	3282.8	3176.5	3091.5	3001.2	2905.5	2870.1
8838.7	42.5°	8571.2	7660.6	4778.1	3297.0	3066.7	2979.9	2889.5	2758.4	2614.9	2542.3
9692.6	45°	9265.7	8110.6	4588.5	3029.5	2845.3	2808.0	2703.5	2545.8	2389.9	2297.8
10548.3	47.5°	9946.0	8535.8	4310.4	2760.2	2638.0	2678.7	2597.2	2451.9	2278.3	2133.1
11397.0	50°	10596.2	8934.4	3855.1	2487.4	2469.7	2639.7	2561.8	2352.7	2154.3	1968.3
12229.6	52.5°	11241.1	9256.8	3272.2	2239.4	2379.3	2629.1	2515.7	2285.4	2042.7	1847.8
13012.7	55°	11788.5	9423.3	2710.6	2026.8	2248.2	2538.8	2460.8	2205.7	1885.0	1677.7
13549.5	57.5°	12100.3	9288.7	2242.9	1817.7	2067.5	2389.9	2366.9	2035.6	1697.2	1537.8
13654.0	60°	11965.7	8743.0	1860.2	1635.2	1895.7	2228.7	2203.9	1867.3	1553.7	1403.1
13094.2	62.5°	11223.3	7703.1	1557.3	1475.8	1739.7	2064.0	2040.9	1738.0	1443.9	1298.6
11607.8	65°	9728.1	6266.3	1321.6	1342.9	1582.1	1865.5	1899.2	1629.9	1357.1	1215.3
8980.4	67.5°	7419.6	4538.9	1137.4	1227.7	1427.9	1670.7	1768.1	1552.0	1284.4	1149.8
5196.2	70°	4228.9	2577.7	981.5	1116.1	1291.5	1489.9	1667.1	1489.9	1206.5	1094.9
1947.0	72.5°	1603.3	1183.5	848.6	1004.5	1160.4	1337.6	1555.5	1392.5	1116.1	1032.9
1006.3	75°	855.7	721.1	714.0	873.4	1009.8	1188.8	1415.5	1296.8	1048.8	1091.3
696.3	77.5°	582.9	510.2	597.0	747.6	845.1	1024.0	1266.7	1151.6	908.9	905.3
481.9	80°	403.9	361.4	485.4	602.4	653.7	861.0	1105.5	988.6	740.5	690.9
297.6	82.5°	242.7	235.6	363.2	450.0	462.4	664.4	915.9	829.1	605.9	527.9
177.2	85°	132.9	140.0	232.1	264.0	269.3	464.2	717.5	641.3	465.9	391.5
63.8	87.5°	37.2	47.8	85.0	104.5	129.3	240.9	427.0	380.9	233.9	163.0
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°
4367.1
4687.8
4891.5
4950.0
4918.1
4843.7
4740.9
4567.3
4377.7
4257.2
4158.0
4048.2
3926.0
3747.0
3514.9
3220.8
2886.0
2551.2
2290.7
2117.1
1952.3
1826.6
1660.0
1516.5
1381.9
1275.6
1192.3
1128.5
1080.7
1018.7
1126.8
834.4
660.8
531.5
395.1
163.0
0.0

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