

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: P853015

Luminaire Tested: **GLAN-SB8A-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853015
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-SB8A-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28584 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

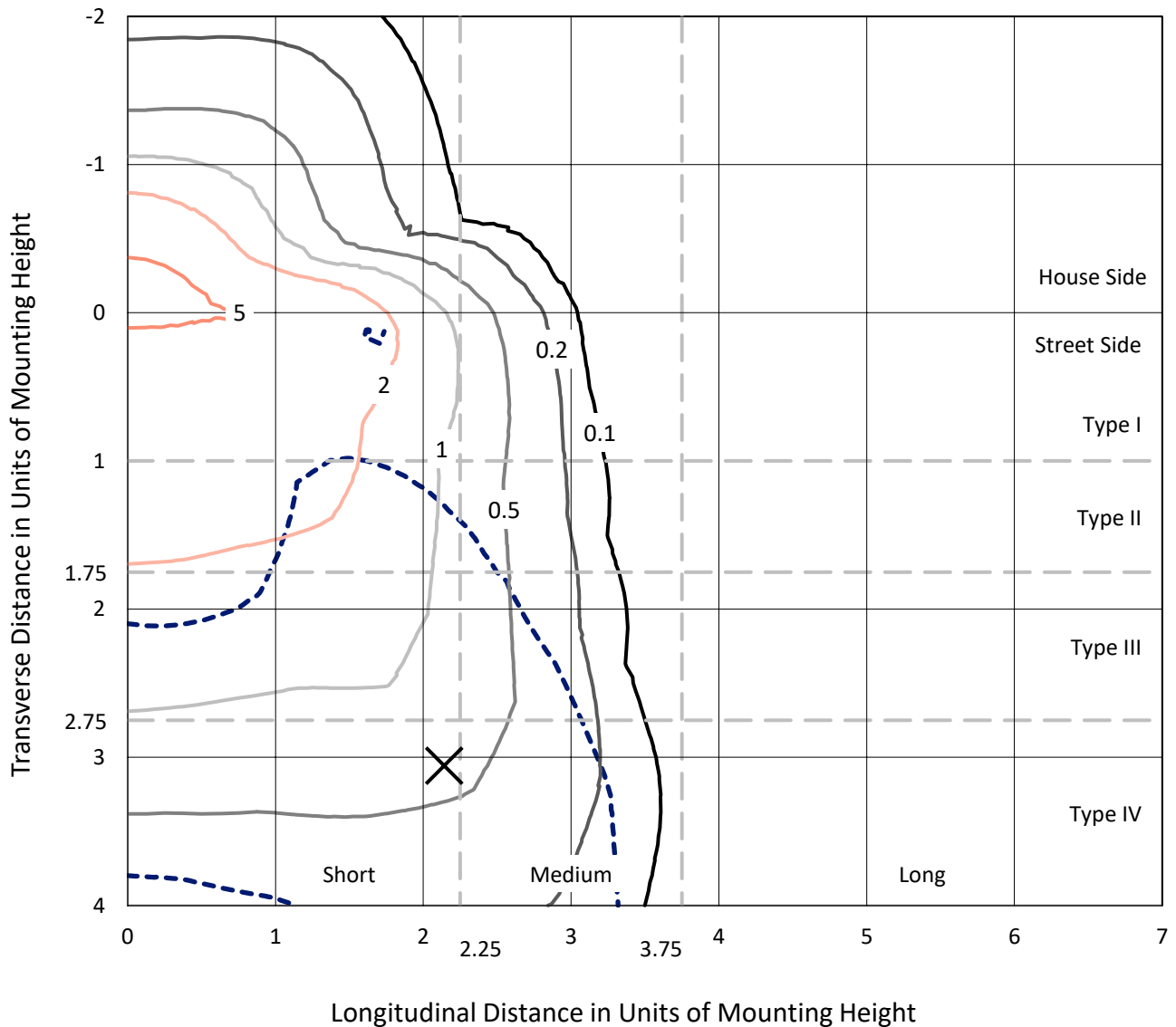
Input Watts (W): 227.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

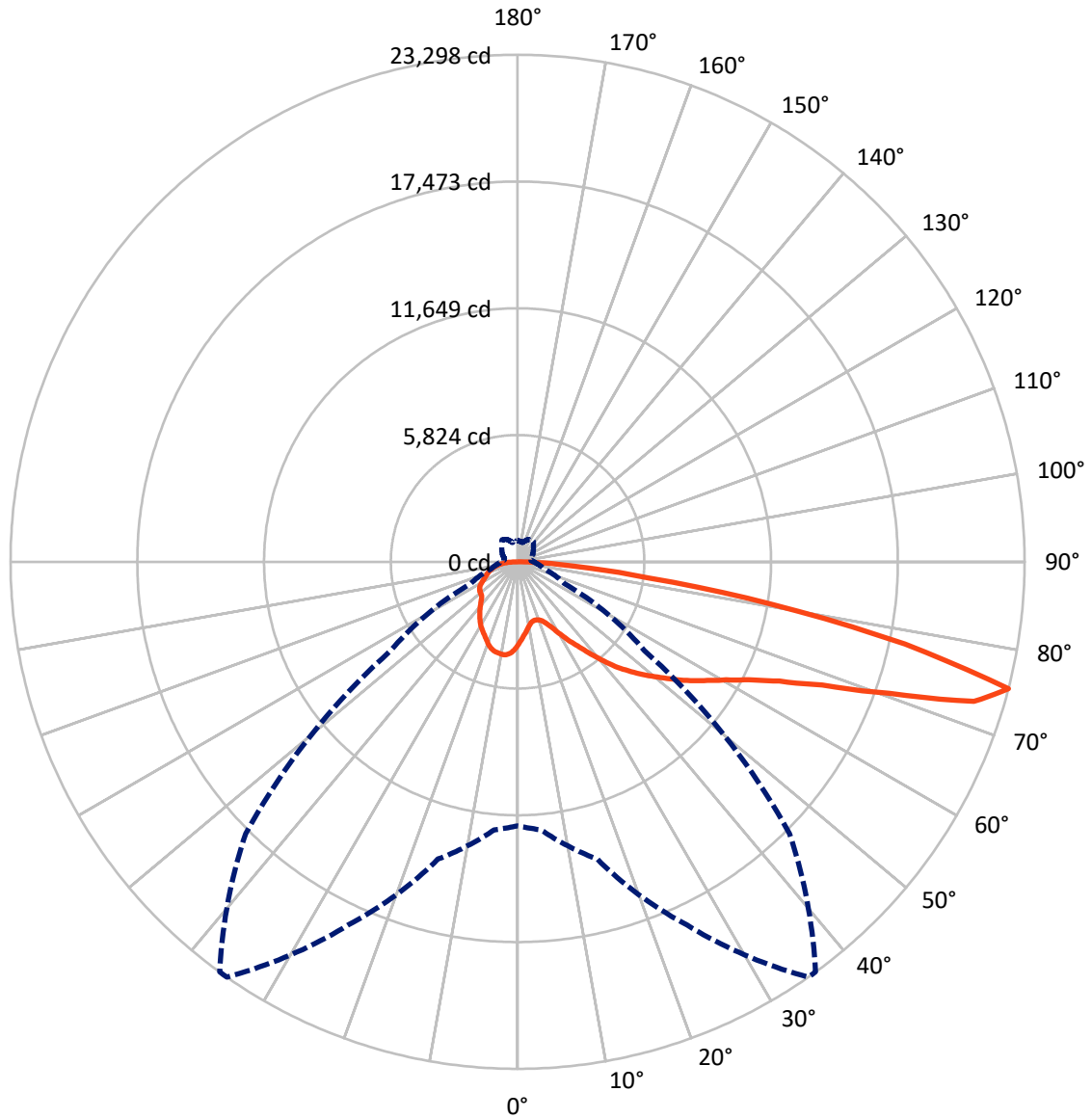
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	6802.3	0.0	6802.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	21781.7	0.0	21781.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	28584.0	0.0	28584.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.6	1.3
10°-20°	1040.2	3.6
20°-30°	1746.8	6.1
30°-40°	2714.8	9.5
40°-50°	4029.5	14.1
50°-60°	5563.0	19.5
60°-70°	6749.1	23.6
70°-80°	5577.7	19.5
80°-90°	802.2	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°	28584.0	100.0
0°-180°	28584.0	100.0

Coefficient of Utilization

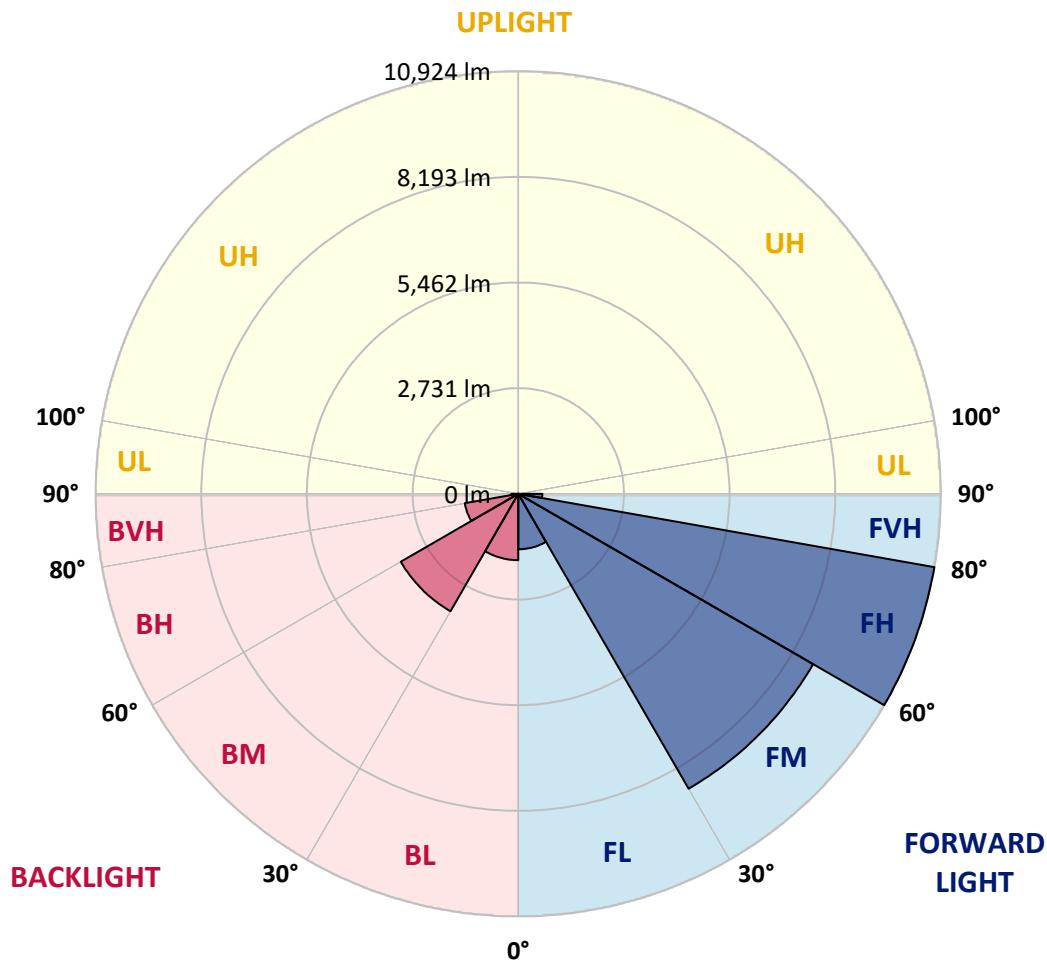


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1433.4	5.0			
FM (30°-60°)	8802.3	30.8			
FH (60°-80°)	10924.4	38.2			G4/12000
FVH (80°-90°)	621.6	2.2			G4/750
BL (0°-30°)	1714.3	6.0	B3/2500		
BM (30°-60°)	3504.9	12.3	B3/5000		
BH (60°-80°)	1402.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	180.6	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°	3809.0	3809.0	3809.0	3809.0	3809.0	3809.0	3809.0	3809.0	3809.0	3809.0
2.5°	3512.3	3534.0	3543.2	3538.6	3561.8	3558.7	3591.1	3631.3	3686.9	3741.0
5°	3241.9	3265.1	3285.2	3303.7	3348.5	3362.4	3413.4	3490.7	3592.7	3696.2
7.5°	2990.0	3010.1	3041.0	3075.0	3150.7	3164.6	3249.6	3370.2	3512.3	3663.8
10°	2784.5	2804.6	2837.1	2875.7	2969.9	2986.9	3095.1	3255.8	3441.2	3632.9
12.5°	2696.4	2702.6	2721.2	2759.8	2841.7	2852.5	2971.5	3155.4	3371.7	3609.7
15°	2691.8	2704.2	2705.7	2725.8	2793.8	2798.4	2908.1	3090.5	3328.4	3605.0
17.5°	2738.2	2747.4	2733.5	2745.9	2803.1	2810.8	2897.3	3059.6	3314.5	3625.1
20°	2861.8	2869.5	2827.8	2810.8	2852.5	2858.7	2943.7	3079.7	3328.4	3666.8
22.5°	3124.5	3129.1	3027.1	2957.6	2960.7	2963.8	3037.9	3161.6	3382.5	3742.6
25°	3534.0	3530.9	3368.6	3234.2	3156.9	3139.9	3189.4	3294.4	3473.7	3843.0
27.5°	4013.0	3989.8	3827.6	3626.7	3458.2	3433.5	3422.7	3467.5	3603.5	3975.9
30°	4553.8	4532.2	4357.6	4094.9	3861.5	3821.4	3719.4	3696.2	3796.6	4156.7
32.5°	5147.2	5133.3	4924.7	4606.4	4294.2	4247.9	4076.3	4014.5	4093.3	4430.2
35°	5644.8	5632.4	5459.3	5131.7	4750.1	4692.9	4518.3	4448.7	4488.9	4781.0
37.5°	6094.4	6088.2	5939.9	5681.8	5287.8	5218.3	5022.0	4998.8	4991.1	5243.0
40°	6511.6	6496.2	6341.7	6205.7	5913.6	5850.3	5677.2	5657.1	5598.4	5811.6
42.5°	6973.7	6933.5	6709.4	6646.1	6567.3	6514.7	6411.2	6414.3	6284.5	6452.9
45°	7350.7	7327.5	7097.3	7060.2	7145.2	7123.5	7213.2	7236.3	6984.5	7125.1
47.5°	7755.5	7733.9	7539.2	7512.9	7743.2	7749.4	8066.1	8073.9	7667.5	7823.5
50°	8254.7	8223.8	8030.6	8063.1	8321.1	8344.3	8923.7	8871.2	8296.4	8532.8
52.5°	8583.8	8602.3	8560.6	8613.2	8965.5	8987.1	9767.4	9633.0	8919.1	9232.8
55°	8826.4	8863.5	8993.3	9113.8	9645.4	9667.0	10563.2	10357.7	9435.2	9881.8
57.5°	9138.5	9086.0	9328.6	9563.5	10291.3	10348.5	11337.4	11056.2	9892.6	10441.2
60°	9586.7	9549.6	9738.1	10085.8	11014.5	11105.6	12156.4	11685.1	10227.9	10884.7
62.5°	10495.3	10402.5	10431.9	10739.4	11926.1	12046.7	13080.4	12233.6	10394.8	11057.7
65°	11853.5	11694.4	11546.0	11759.3	13210.2	13329.2	14123.5	12664.8	10333.0	10722.4
67.5°	13564.1	13406.5	13224.1	13425.0	15101.6	15195.9	15410.7	12907.4	9846.3	9430.6
70°	14974.9	14916.2	15134.1	15960.8	18122.5	18125.6	17061.0	12706.5	8512.7	6686.2
72.5°	14787.9	14752.4	15900.5	18456.3	21930.0	21848.1	18623.2	11186.0	5734.4	3016.3
75°	12131.7	12361.9	14140.5	18411.5	23297.6	23286.7	17666.7	7111.2	2371.9	1250.1
77.5°	6505.5	6870.1	9180.3	13593.5	18187.4	18461.0	12420.6	2487.8	1018.3	800.4
80°	2121.6	2439.9	3659.1	6921.1	11818.0	11767.0	5323.3	976.6	696.9	567.1
82.5°	900.9	938.0	1634.9	3268.2	6065.1	5970.8	1695.1	560.9	489.8	387.9
85°	352.3	394.0	721.6	1511.2	2626.9	2569.7	611.9	278.1	313.7	253.4
87.5°	115.9	140.6	258.1	517.7	817.4	788.1	149.9	95.8	136.0	115.9
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°
3809.0	0°	3809.0	3809.0	3809.0	3809.0	3809.0	3809.0	3809.0	3809.0	3809.0	3809.0
3819.8	2.5°	3841.5	3866.2	3895.5	3938.8	3975.9	4006.8	4039.3	4059.3	4067.1	4090.2
3826.0	5°	3869.3	3923.4	3996.0	4067.1	4136.6	4178.3	4215.4	4234.0	4250.9	4263.3
3843.0	7.5°	3915.6	3985.2	4099.5	4192.2	4250.9	4284.9	4309.7	4303.5	4309.7	4312.8
3861.5	10°	3955.8	4053.2	4189.1	4277.2	4322.0	4323.6	4317.4	4295.8	4284.9	4286.5
3889.4	12.5°	4003.7	4111.9	4258.7	4332.8	4345.2	4311.2	4284.9	4247.9	4234.0	4227.8
3931.1	15°	4068.6	4192.2	4334.4	4362.2	4331.3	4288.0	4243.2	4183.0	4152.1	4127.3
4002.2	17.5°	4147.4	4283.4	4393.1	4373.0	4306.6	4235.5	4162.9	4071.7	4008.3	3982.1
4099.5	20°	4257.1	4379.2	4437.9	4349.8	4249.4	4141.2	4017.6	3906.4	3847.6	3821.4
4223.1	22.5°	4390.0	4507.5	4481.2	4309.7	4167.5	3994.4	3839.9	3758.0	3728.7	3710.1
4382.3	25°	4549.2	4649.6	4512.1	4250.9	4033.1	3799.7	3680.8	3654.5	3640.6	3626.7
4577.0	27.5°	4756.2	4810.3	4535.3	4164.4	3822.9	3592.7	3549.4	3554.0	3549.4	3526.2
4847.4	30°	5029.7	5018.9	4556.9	4023.8	3581.9	3405.7	3408.8	3428.9	3432.0	3416.5
5224.4	32.5°	5389.8	5280.1	4567.7	3841.5	3351.6	3241.9	3245.0	3266.6	3282.1	3255.8
5717.4	35°	5825.5	5584.5	4550.7	3612.8	3173.9	3085.8	3062.7	3068.8	3073.5	3048.8
6315.4	37.5°	6333.9	5926.0	4475.0	3359.3	3027.1	2932.9	2883.4	2841.7	2817.0	2793.8
6992.2	40°	6891.8	6298.4	4335.9	3112.1	2863.3	2770.6	2696.4	2617.6	2534.2	2503.3
7709.2	42.5°	7475.9	6681.6	4167.5	2875.7	2674.8	2599.1	2520.3	2405.9	2280.8	2217.4
8454.0	45°	8081.6	7074.1	4002.2	2642.4	2481.7	2449.2	2358.0	2220.5	2084.5	2004.2
9200.3	47.5°	8675.0	7445.0	3759.6	2407.5	2300.9	2336.4	2265.3	2138.6	1987.2	1860.5
9940.5	50°	9242.1	7792.6	3362.4	2169.5	2154.1	2302.4	2234.4	2052.1	1879.0	1716.8
10666.8	52.5°	9804.5	8073.9	2854.1	1953.2	2075.3	2293.1	2194.2	1993.4	1781.7	1611.7
11349.8	55°	10282.0	8219.1	2364.2	1767.8	1960.9	2214.3	2146.3	1923.8	1644.1	1463.3
11818.0	57.5°	10554.0	8101.7	1956.3	1585.4	1803.3	2084.5	2064.4	1775.5	1480.3	1341.3
11909.1	60°	10436.5	7625.7	1622.5	1426.3	1653.4	1943.9	1922.3	1628.7	1355.2	1223.8
11420.9	62.5°	9789.1	6718.7	1358.3	1287.2	1517.4	1800.2	1780.1	1515.9	1259.4	1132.7
10124.4	65°	8484.9	5465.5	1152.7	1171.3	1379.9	1627.1	1656.5	1421.6	1183.7	1060.0
7832.8	67.5°	6471.5	3958.9	992.0	1070.8	1245.5	1457.2	1542.1	1353.6	1120.3	1002.9
4532.2	70°	3688.5	2248.3	856.1	973.5	1126.5	1299.5	1454.1	1299.5	1052.3	955.0
1698.2	72.5°	1398.4	1032.2	740.2	876.1	1012.1	1166.7	1356.7	1214.6	973.5	900.9
877.7	75°	746.3	628.9	622.7	761.8	880.8	1036.9	1234.6	1131.1	914.8	951.9
607.3	77.5°	508.4	445.0	520.7	652.1	737.1	893.1	1104.8	1004.4	792.7	789.6
420.3	80°	352.3	315.2	423.4	525.4	570.2	751.0	964.2	862.2	645.9	602.6
259.6	82.5°	211.7	205.5	316.8	392.5	403.3	579.5	798.9	723.2	528.5	460.5
154.5	85°	115.9	122.1	202.4	230.2	234.9	404.9	625.8	559.4	406.4	341.5
55.6	87.5°	32.4	41.7	74.2	91.2	112.8	210.2	372.4	332.2	204.0	142.2
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°
3809.0
4088.7
4266.4
4317.4
4289.6
4224.7
4135.1
3983.6
3818.3
3713.2
3626.7
3530.9
3424.2
3268.2
3065.8
2809.2
2517.2
2225.1
1998.0
1846.6
1702.9
1593.1
1447.9
1322.7
1205.3
1112.6
1039.9
984.3
942.6
888.5
982.8
727.8
576.4
463.6
344.6
142.2
0.0

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