

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: P848603

Luminaire Tested: **GLAN-SB5B-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB5B-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27237 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

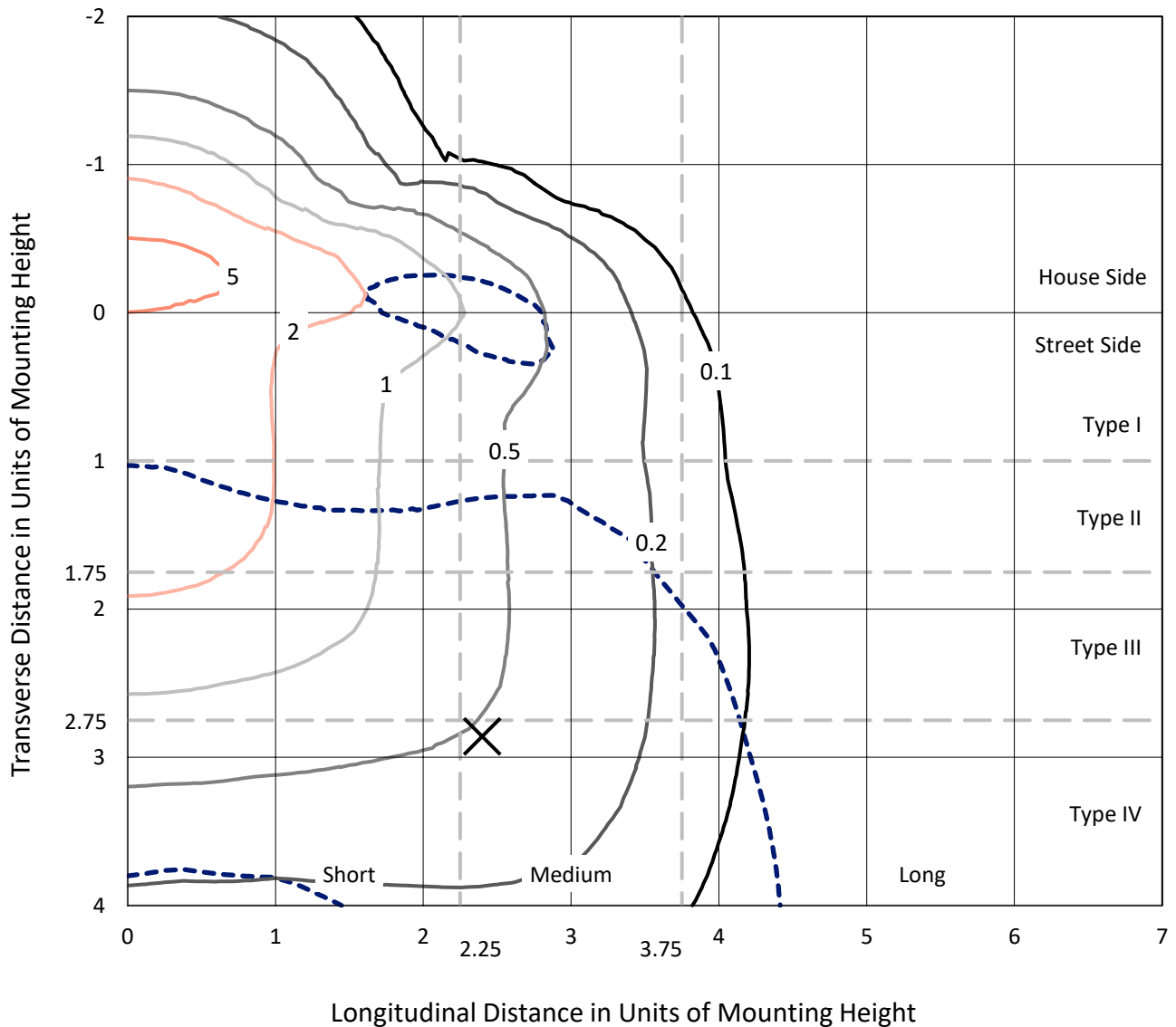
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

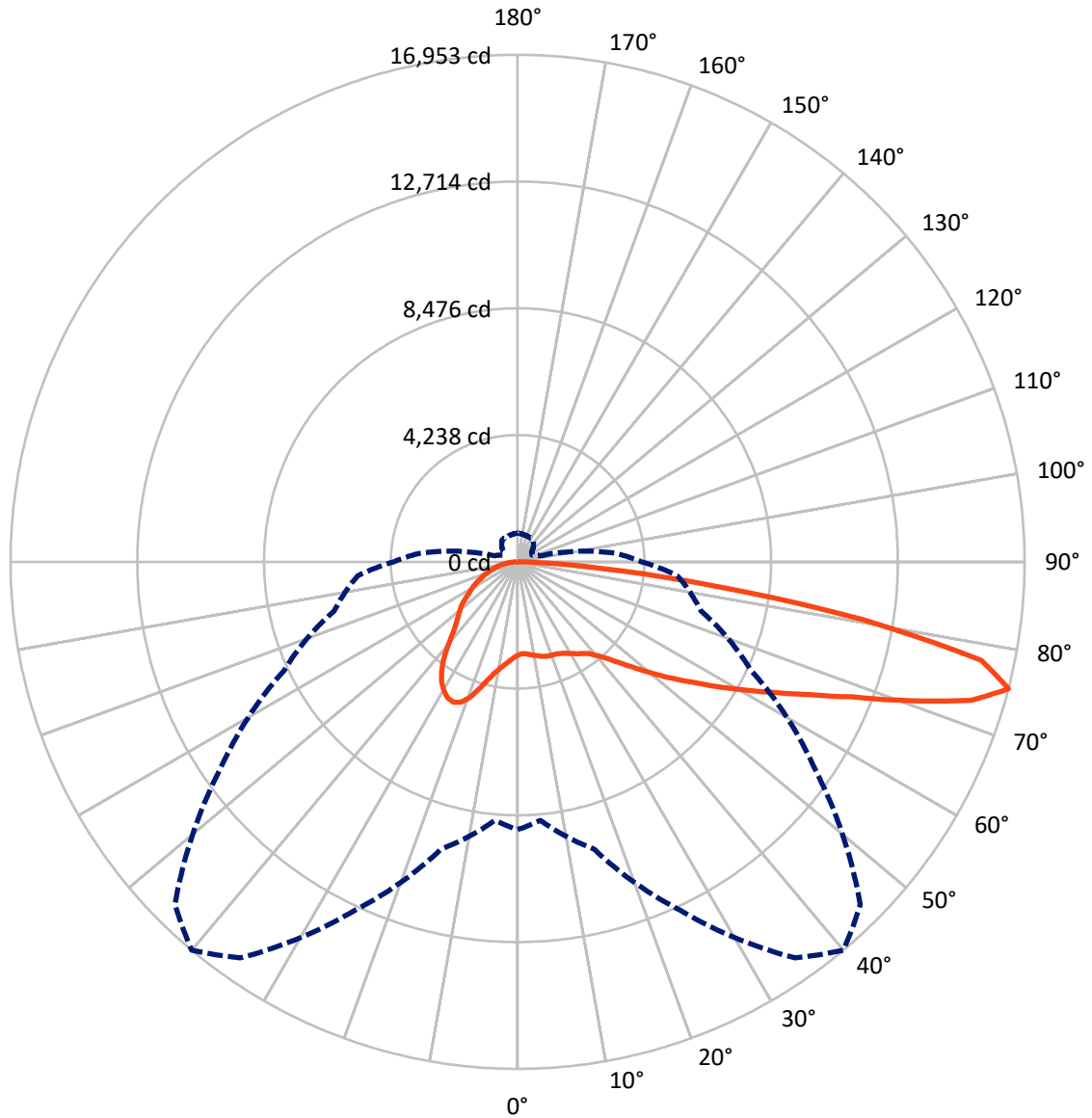
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8438.9	0.0	8438.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	18798.1	0.0	18798.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	27237.0	0.0	27237.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.9	1.1
10°-20°	1043.8	3.8
20°-30°	1905.9	7.0
30°-40°	2703.1	9.9
40°-50°	3650.0	13.4
50°-60°	4910.3	18.0
60°-70°	6232.3	22.9
70°-80°	5656.2	20.8
80°-90°	824.5	3.0
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°	27237.0	100.0
0°-180°	27237.0	100.0

Coefficient of Utilization

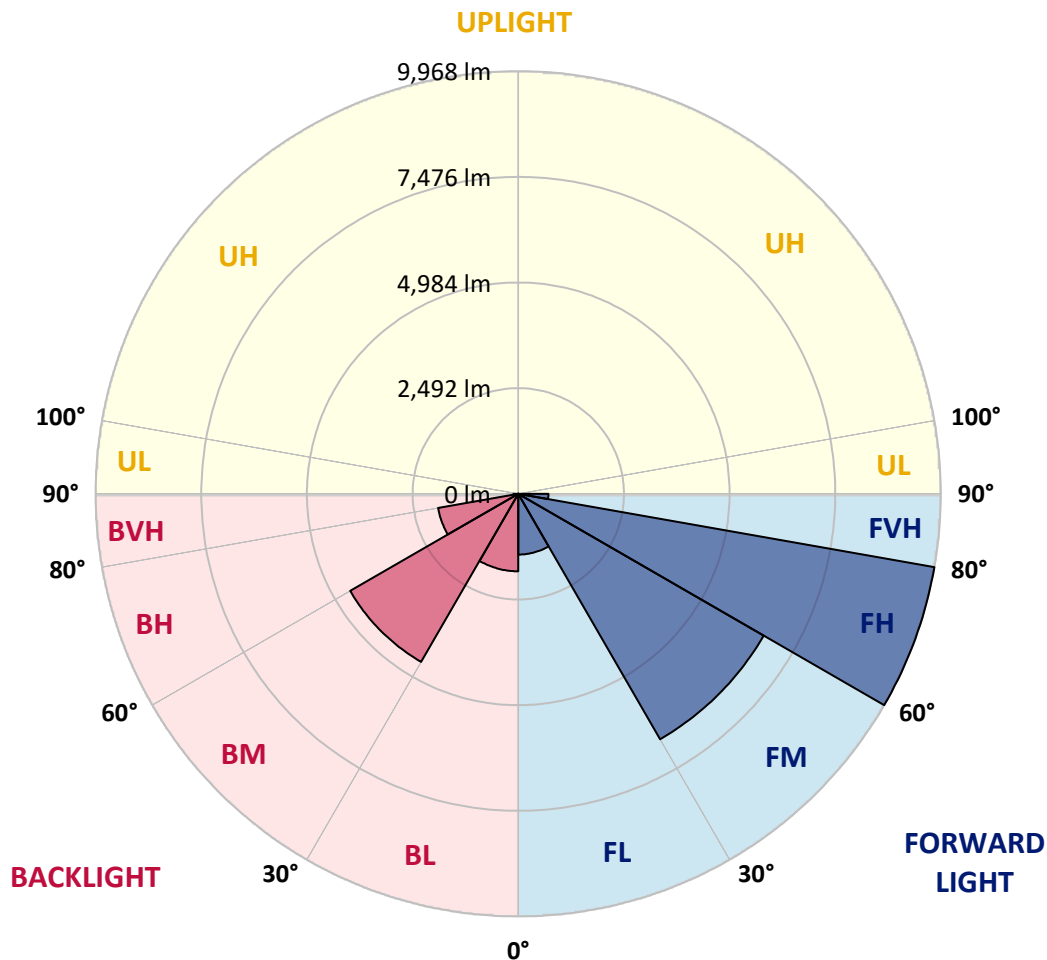


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1432.7	5.3			
FM (30°-60°)	6686.1	24.5			
FH (60°-80°)	9968.3	36.6			G4/12000
FVH (80°-90°)	711.0	2.6			G4/750
BL (0°-30°)	1827.9	6.7	B3/2500		
BM (30°-60°)	4577.4	16.8	B3/5000		
BH (60°-80°)	1920.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	113.5	0.4			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6
2.5°	3066.9	3084.3	3079.9	3074.1	3074.1	3075.6	3074.1	3084.3	3094.4	3104.5
5°	3098.7	3116.0	3107.4	3100.1	3094.4	3092.9	3088.6	3087.1	3092.9	3105.9
7.5°	3160.8	3178.2	3165.1	3152.1	3140.6	3134.8	3129.0	3120.4	3116.0	3123.3
10°	3230.2	3247.5	3231.6	3208.5	3189.7	3182.5	3176.7	3168.0	3162.3	3166.6
12.5°	3299.5	3316.8	3295.2	3263.4	3238.8	3234.5	3227.3	3224.4	3222.9	3221.5
15°	3364.5	3379.0	3351.5	3313.9	3287.9	3280.7	3273.5	3277.8	3285.1	3293.7
17.5°	3415.1	3429.5	3389.1	3339.9	3315.4	3312.5	3308.2	3322.6	3342.8	3364.5
20°	3461.3	3475.7	3423.7	3357.3	3328.4	3328.4	3329.8	3360.2	3389.1	3420.8
22.5°	3526.3	3537.9	3474.3	3383.3	3341.4	3344.3	3355.8	3386.2	3422.3	3465.6
25°	3623.1	3631.8	3553.7	3432.4	3384.7	3393.4	3403.5	3418.0	3452.6	3503.2
27.5°	3779.1	3786.3	3683.8	3519.1	3446.8	3461.3	3475.7	3465.6	3481.5	3524.9
30°	3998.7	4003.0	3873.0	3654.9	3552.3	3559.5	3562.4	3520.5	3490.2	3524.9
32.5°	4258.7	4257.3	4102.7	3819.6	3672.2	3665.0	3640.4	3558.1	3487.3	3517.6
35°	4661.8	4645.9	4446.5	4050.7	3808.0	3763.2	3705.4	3600.0	3501.7	3510.4
37.5°	5329.2	5280.1	5004.1	4429.2	4010.2	3896.1	3810.9	3667.9	3533.5	3507.5
40°	6081.8	6019.7	5716.3	4947.8	4313.6	4130.2	3992.9	3764.7	3585.5	3520.5
42.5°	6974.6	6886.5	6560.0	5558.9	4697.9	4432.1	4225.5	3887.5	3662.1	3562.4
45°	8071.1	7954.0	7491.8	6248.0	5181.8	4827.9	4552.0	4073.8	3779.1	3643.3
47.5°	9179.1	9208.0	8550.7	7036.7	5762.6	5316.2	4960.8	4354.1	3949.6	3773.3
50°	10356.4	10376.7	9603.8	7910.7	6421.3	5868.0	5420.2	4667.5	4186.5	3958.2
52.5°	11275.2	11278.1	10560.1	8825.1	7107.5	6474.8	5915.7	5025.8	4461.0	4203.8
55°	11850.2	11842.9	11230.4	9690.5	7896.3	7111.8	6464.6	5433.2	4796.1	4492.7
57.5°	12267.7	12246.0	11692.7	10434.4	8737.0	7864.5	7085.8	5895.5	5191.9	4836.6
60°	12426.6	12413.6	12006.2	11077.3	9621.1	8696.6	7802.4	6412.6	5641.2	5242.5
62.5°	12487.2	12511.8	12313.9	11699.9	10567.3	9618.2	8589.7	7030.9	6146.8	5701.9
65°	12701.0	12745.8	12705.4	12514.7	11636.4	10697.4	9634.1	7766.2	6698.7	6194.5
67.5°	13124.3	13169.1	13186.4	13489.8	12942.3	12042.3	10937.2	8682.1	7344.4	6705.9
70°	13114.2	13101.2	13407.5	14265.6	14577.6	13904.4	12693.8	9808.9	8114.4	7130.6
72.5°	11936.8	11832.8	12556.6	14256.9	15938.4	15848.9	14839.1	11262.2	8778.9	7182.6
75°	8955.2	8677.8	9956.3	12848.4	16165.2	16952.5	16202.8	12163.6	8621.5	6346.2
77.5°	3829.7	3550.9	5057.6	9511.3	14467.8	15847.4	14951.8	10612.1	6882.1	4196.6
80°	1002.6	1001.1	1528.4	4312.2	9839.3	11702.8	10266.9	6853.2	3932.2	1499.5
82.5°	414.6	404.5	562.0	1677.2	4807.7	6567.2	5359.5	3056.8	1420.1	405.9
85°	154.6	153.1	273.0	579.3	1696.0	2708.7	1960.3	781.5	353.9	197.9
87.5°	43.3	41.9	59.2	200.8	413.2	627.0	335.2	128.6	99.7	78.0
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°
3114.6	0°	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6	3114.6
3120.4	2.5°	3124.7	3131.9	3144.9	3155.0	3168.0	3182.5	3202.7	3215.7	3228.7	3237.4
3127.6	5°	3137.7	3153.6	3186.8	3220.0	3259.0	3295.2	3337.1	3367.4	3392.0	3399.2
3153.6	7.5°	3166.6	3192.6	3248.9	3305.3	3367.4	3426.6	3487.3	3539.3	3581.2	3597.1
3199.8	10°	3217.2	3251.8	3331.3	3410.7	3493.1	3584.1	3662.1	3737.2	3796.4	3821.0
3254.7	12.5°	3280.7	3324.1	3428.1	3537.9	3652.0	3777.7	3878.8	3971.2	4044.9	4078.1
3331.3	15°	3363.1	3419.4	3552.3	3699.7	3867.2	4042.0	4170.6	4273.2	4355.5	4396.0
3410.7	17.5°	3452.6	3527.7	3695.3	3917.8	4157.6	4387.3	4537.5	4612.7	4697.9	4736.9
3484.4	20°	3539.3	3631.8	3871.6	4195.2	4514.4	4758.6	4879.9	4900.1	4905.9	4910.2
3553.7	22.5°	3628.9	3753.1	4092.6	4544.8	4887.1	5056.1	5073.5	4986.8	4865.5	4809.1
3621.6	25°	3727.1	3891.8	4381.5	4930.5	5207.8	5228.1	5095.2	4884.2	4654.5	4549.1
3676.5	27.5°	3822.4	4052.1	4728.2	5298.8	5439.0	5261.3	4975.2	4676.2	4398.8	4287.6
3715.5	30°	3917.8	4235.6	5111.0	5621.0	5544.4	5178.9	4786.0	4452.3	4173.5	4056.5
3750.2	32.5°	4014.6	4449.4	5551.7	5853.6	5525.6	5004.1	4550.5	4200.9	3955.4	3832.6
3780.6	35°	4124.4	4712.3	5969.1	5980.7	5400.0	4747.0	4239.9	3900.5	3686.7	3588.4
3816.7	37.5°	4267.4	5046.0	6337.5	6012.5	5180.4	4370.0	3854.2	3545.1	3368.8	3324.1
3870.1	40°	4445.1	5447.6	6619.2	5961.9	4855.3	3912.0	3432.4	3185.4	3085.7	3095.8
3942.4	42.5°	4676.2	5896.9	6817.1	5831.9	4403.2	3439.6	3062.6	2952.8	3000.5	3040.9
4050.7	45°	4976.7	6363.5	6939.9	5610.9	3891.8	3039.5	2844.4	2870.4	2906.6	2910.9
4225.5	47.5°	5361.0	6835.9	7020.8	5277.2	3370.3	2757.8	2705.8	2711.5	2704.3	2674.0
4487.0	50°	5840.6	7295.3	7093.1	4835.1	2926.8	2581.5	2512.2	2492.0	2392.3	2294.0
4835.1	52.5°	6386.6	7717.1	7123.4	4286.2	2581.5	2434.2	2321.5	2194.4	2008.0	1977.7
5272.8	55°	6993.4	8107.2	7045.4	3611.5	2291.2	2244.9	2074.5	1921.3	1901.1	1875.1
5849.2	57.5°	7718.6	8527.6	6886.5	2858.9	1993.6	2023.9	1857.8	1875.1	1839.0	1798.5
6590.3	60°	8511.7	8962.4	6607.7	2172.7	1685.9	1748.0	1801.4	1800.0	1789.9	1756.7
7371.9	62.5°	9225.3	9248.4	6058.7	1664.2	1415.7	1534.2	1680.1	1678.6	1670.0	1651.2
8188.1	65°	9650.0	9205.1	5142.8	1310.3	1193.3	1357.9	1515.4	1527.0	1528.4	1527.0
8802.0	67.5°	9574.9	8698.0	3886.0	1043.0	1009.8	1178.8	1352.2	1368.0	1379.6	1382.5
8880.0	70°	8725.5	7584.2	2533.9	832.1	846.5	1021.3	1197.6	1213.5	1223.6	1235.1
7705.6	72.5°	6801.2	5576.2	1450.4	673.2	703.5	885.5	1044.5	1063.2	1069.0	1090.7
5362.4	75°	4144.6	3279.3	783.0	530.2	577.8	757.0	892.8	914.4	924.6	950.6
2633.5	77.5°	1970.5	1420.1	446.4	413.2	465.2	618.3	754.1	778.6	751.2	765.6
726.6	80°	666.0	527.3	281.7	314.9	355.4	482.5	603.8	628.4	570.6	567.7
241.3	82.5°	232.6	213.8	179.1	209.5	229.7	345.3	456.5	488.3	424.7	423.3
108.3	85°	91.0	86.7	99.7	114.1	137.2	212.4	300.5	316.4	261.5	210.9
31.8	87.5°	18.8	20.2	24.6	26.0	41.9	73.7	108.3	132.9	105.5	89.6
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°
3114.6
3231.6
3402.1
3598.5
3822.4
4078.1
4393.1
4735.4
4921.8
4825.0
4565.0
4300.6
4069.5
3848.5
3610.1
3355.8
3130.5
3078.5
2939.8
2697.1
2307.0
1987.8
1879.4
1791.3
1745.1
1644.0
1527.0
1385.4
1240.9
1099.4
953.4
754.1
562.0
403.0
208.0
82.3
0.0

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