

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: P851263

Luminaire Tested: **GLAN-SB9A-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851263
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-SB9A-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27324 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

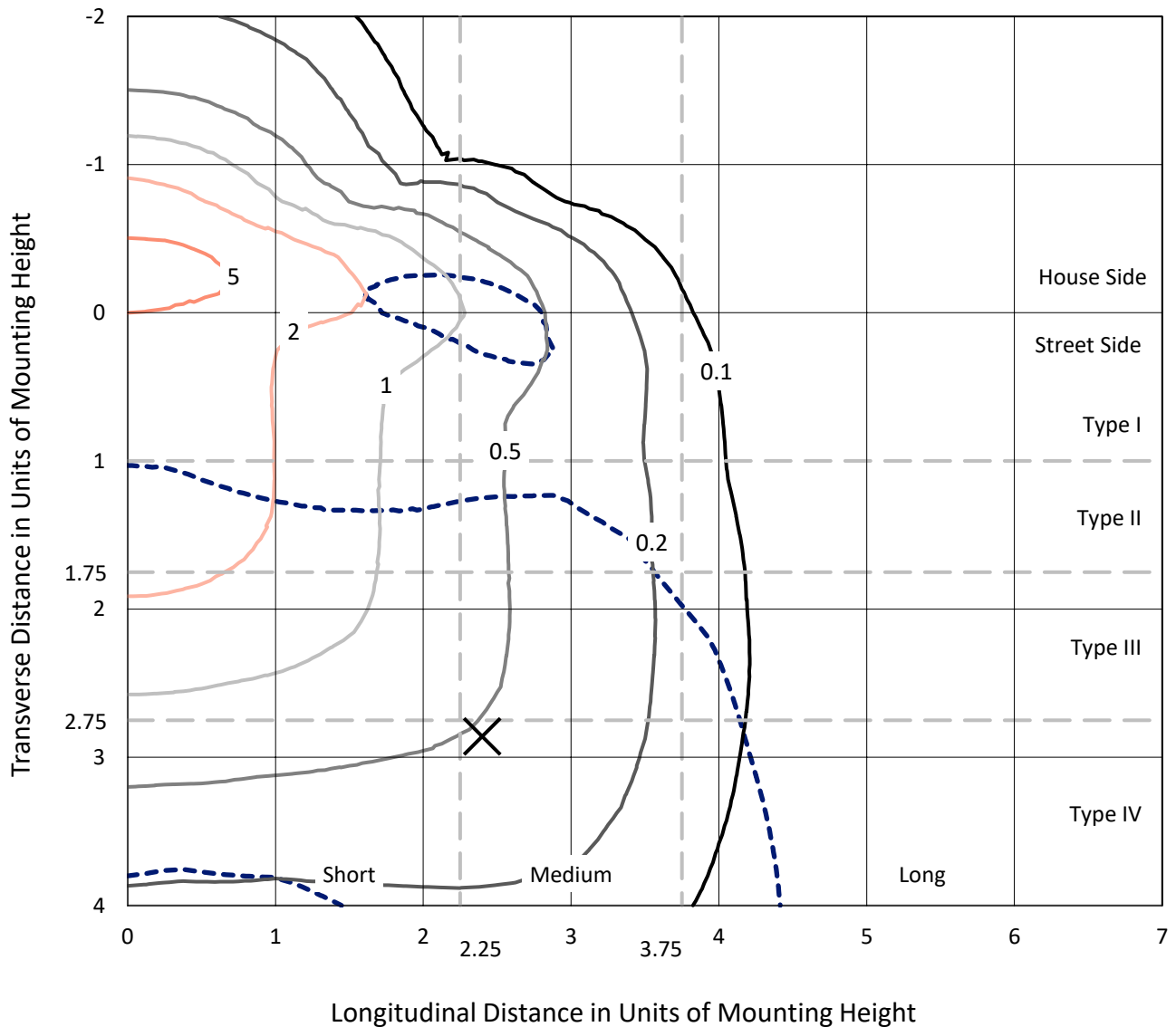
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

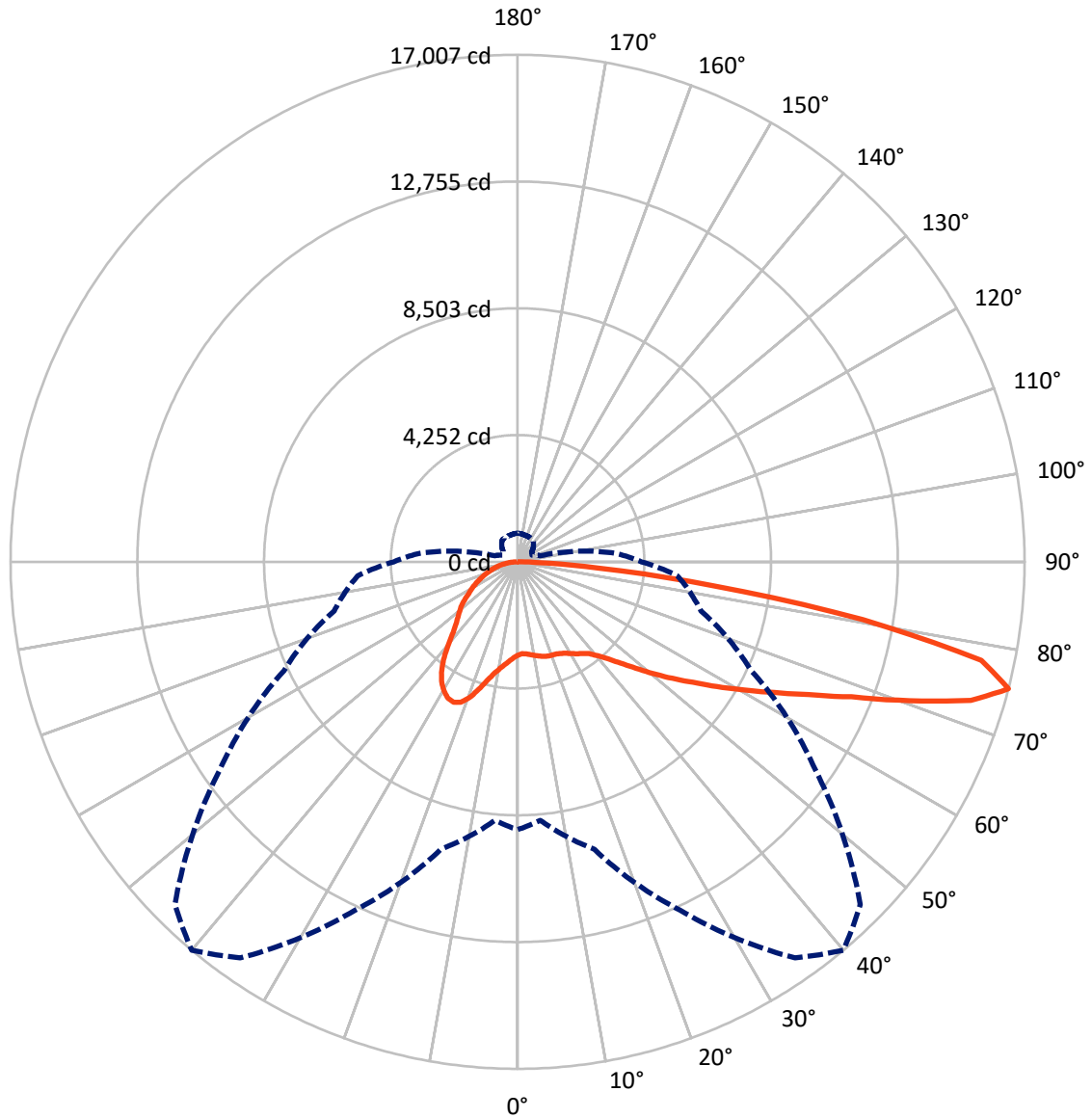
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	8465.9	0.0	8465.9
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	18858.1	0.0	18858.1
	% Fixture	69.0	0.0	69.0
Total	Lumens	27324.0	0.0	27324.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.9	1.1
10°-20°	1047.2	3.8
20°-30°	1912.0	7.0
30°-40°	2711.8	9.9
40°-50°	3661.7	13.4
50°-60°	4926.0	18.0
60°-70°	6252.2	22.9
70°-80°	5674.2	20.8
80°-90°	827.1	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°	27324.0	100.0
0°-180°	27324.0	100.0

Coefficient of Utilization

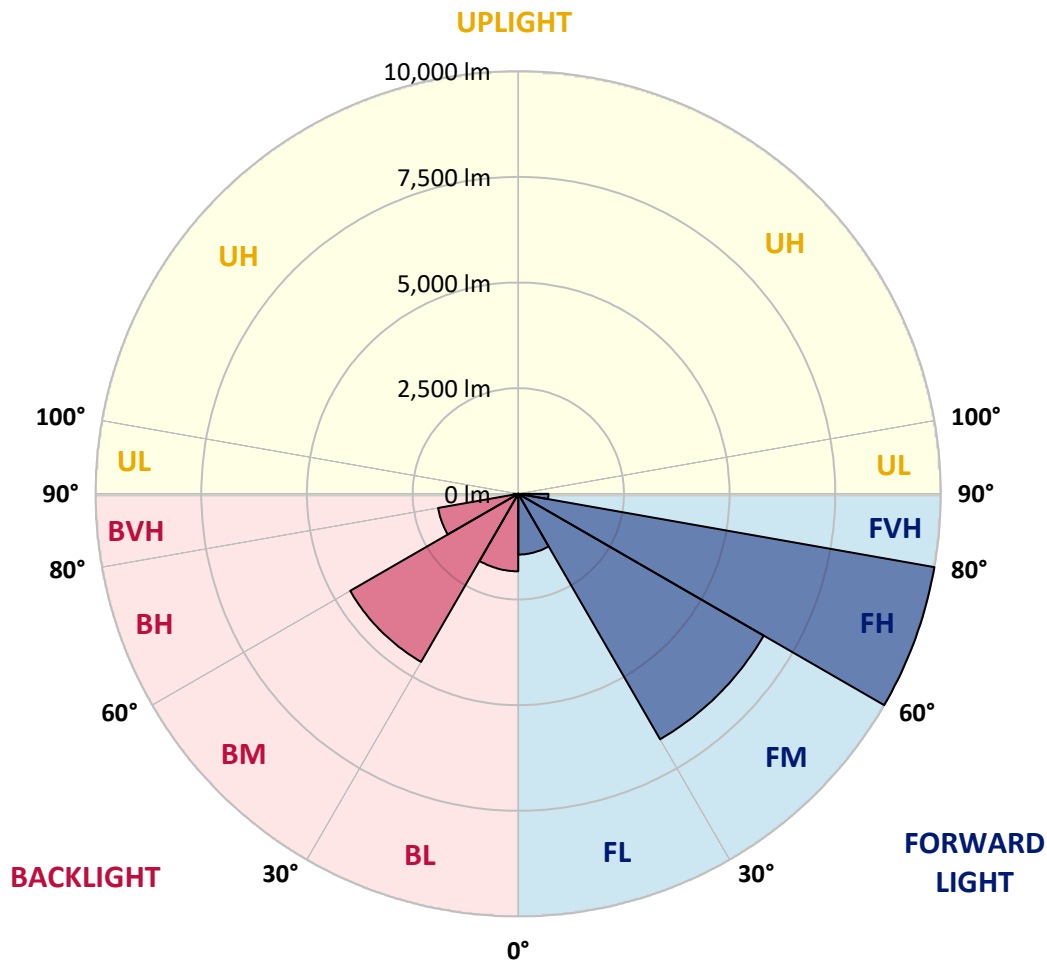


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1437.3	5.3			
FM (30°-60°)	6707.4	24.5			
FH (60°-80°)	10000.2	36.6			G4/12000
FVH (80°-90°)	713.2	2.6			G4/750
BL (0°-30°)	1833.8	6.7	B3/2500		
BM (30°-60°)	4592.0	16.8	B3/5000		
BH (60°-80°)	1926.2	7.0	B3/2500		G3/2500
BVH (80°-90°)	113.9	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°	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5
2.5°	3076.7	3094.1	3089.8	3084.0	3084.0	3085.4	3084.0	3094.1	3104.2	3114.4
5°	3108.6	3126.0	3117.3	3110.0	3104.2	3102.8	3098.4	3097.0	3102.8	3115.8
7.5°	3170.9	3188.3	3175.3	3162.2	3150.6	3144.8	3139.0	3130.3	3126.0	3133.2
10°	3240.5	3257.9	3241.9	3218.7	3199.9	3192.6	3186.9	3178.2	3172.4	3176.7
12.5°	3310.0	3327.4	3305.7	3273.8	3249.2	3244.8	3237.6	3234.7	3233.2	3231.8
15°	3375.3	3389.7	3362.2	3324.5	3298.4	3291.2	3284.0	3288.3	3295.5	3304.2
17.5°	3426.0	3440.5	3399.9	3350.6	3326.0	3323.1	3318.7	3333.2	3353.5	3375.3
20°	3472.4	3486.8	3434.7	3368.0	3339.0	3339.0	3340.5	3370.9	3399.9	3431.8
22.5°	3537.6	3549.2	3485.4	3394.1	3352.1	3355.0	3366.6	3397.0	3433.2	3476.7
25°	3634.7	3643.4	3565.1	3443.4	3395.5	3404.2	3414.4	3428.9	3463.7	3514.4
27.5°	3791.2	3798.4	3695.5	3530.3	3457.9	3472.4	3486.8	3476.7	3492.6	3536.1
30°	4011.5	4015.8	3885.4	3666.5	3563.7	3570.9	3573.8	3531.8	3501.3	3536.1
32.5°	4272.3	4270.9	4115.8	3831.8	3683.9	3676.7	3652.1	3569.4	3498.4	3528.9
35°	4676.7	4660.7	4460.7	4063.6	3820.2	3775.2	3717.3	3611.5	3512.9	3521.6
37.5°	5346.2	5296.9	5020.1	4443.3	4023.1	3908.6	3823.1	3679.6	3544.8	3518.7
40°	6101.3	6038.9	5734.6	4963.6	4327.4	4143.3	4005.7	3776.7	3597.0	3531.8
42.5°	6996.9	6908.5	6580.9	5576.6	4712.9	4446.2	4239.0	3899.9	3673.8	3573.8
45°	8096.8	7979.4	7515.7	6267.9	5198.4	4843.3	4566.5	4086.8	3791.2	3655.0
47.5°	9208.4	9237.4	8578.0	7059.2	5781.0	5333.2	4976.6	4368.0	3962.2	3785.4
50°	10389.5	10409.8	9634.5	7936.0	6441.8	5886.8	5437.5	4682.5	4199.9	3970.9
52.5°	11311.2	11314.1	10593.9	8853.3	7130.2	6495.4	5934.6	5041.9	4475.2	4217.3
55°	11888.0	11880.8	11266.3	9721.4	7921.5	7134.5	6485.3	5450.5	4811.4	4507.1
57.5°	12306.8	12285.1	11730.1	10467.8	8764.9	7889.6	7108.5	5914.3	5208.5	4852.0
60°	12466.3	12453.2	12044.5	11112.7	9651.9	8724.4	7827.3	6433.1	5659.2	5259.2
62.5°	12527.1	12551.8	12353.2	11737.3	10601.1	9649.0	8617.1	7053.4	6166.5	5720.1
65°	12741.6	12786.5	12746.0	12554.7	11673.5	10731.5	9664.9	7791.1	6720.1	6214.3
67.5°	13166.2	13211.2	13228.6	13532.9	12983.6	12080.8	10972.1	8709.9	7367.9	6727.3
70°	13156.1	13143.0	13450.3	14311.1	14624.2	13948.8	12734.4	9840.3	8140.3	7153.4
72.5°	11975.0	11870.6	12596.7	14302.4	15989.3	15899.5	14886.5	11298.2	8807.0	7205.6
75°	8983.8	8705.5	9988.1	12889.4	16216.9	17006.7	16254.5	12202.5	8649.0	6366.5
77.5°	3841.9	3562.2	5073.7	9541.7	14514.0	15898.0	14999.5	10646.0	6904.1	4210.0
80°	1005.8	1004.3	1533.3	4325.9	9870.7	11740.2	10299.7	6875.1	3944.8	1504.3
82.5°	415.9	405.8	563.7	1682.6	4823.0	6588.2	5376.6	3066.6	1424.6	407.2
85°	155.1	153.6	273.9	581.1	1701.4	2717.3	1966.6	784.0	355.1	198.5
87.5°	43.5	42.0	59.4	201.4	414.5	629.0	336.2	129.0	100.0	78.3
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°
3124.5	0°	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5	3124.5
3130.3	2.5°	3134.7	3141.9	3155.0	3165.1	3178.2	3192.6	3212.9	3226.0	3239.0	3247.7
3137.6	5°	3147.7	3163.7	3197.0	3230.3	3269.5	3305.7	3347.7	3378.2	3402.8	3410.0
3163.7	7.5°	3176.7	3202.8	3259.3	3315.8	3378.2	3437.6	3498.4	3550.6	3592.6	3608.6
3210.0	10°	3227.4	3262.2	3341.9	3421.6	3504.2	3595.5	3673.8	3749.2	3808.6	3833.2
3265.1	12.5°	3291.2	3334.7	3439.0	3549.2	3663.6	3789.7	3891.2	3983.9	4057.8	4091.2
3341.9	15°	3373.8	3430.3	3563.7	3711.5	3879.6	4054.9	4183.9	4286.8	4369.4	4410.0
3421.6	17.5°	3463.7	3539.0	3707.1	3930.3	4170.9	4401.3	4552.0	4627.4	4712.9	4752.0
3495.5	20°	3550.6	3643.4	3883.9	4208.6	4528.8	4773.8	4895.5	4915.8	4921.6	4925.9
3565.1	22.5°	3640.5	3765.1	4105.7	4559.3	4902.7	5072.3	5089.7	5002.7	4881.0	4824.5
3633.2	25°	3739.0	3904.2	4395.5	4946.2	5224.5	5244.8	5111.4	4899.8	4669.4	4563.6
3688.3	27.5°	3834.7	4065.1	4743.3	5315.8	5456.3	5278.1	4991.1	4691.2	4412.9	4301.3
3727.4	30°	3930.3	4249.1	5127.4	5638.9	5562.1	5195.5	4801.3	4466.5	4186.8	4069.4
3762.2	32.5°	4027.4	4463.6	5569.4	5872.3	5543.3	5020.1	4565.1	4214.4	3968.0	3844.8
3792.6	35°	4137.5	4727.4	5988.2	5999.8	5417.2	4762.2	4253.5	3912.9	3698.4	3599.9
3828.9	37.5°	4281.0	5062.2	6357.8	6031.7	5196.9	4383.9	3866.5	3556.4	3379.6	3334.7
3882.5	40°	4459.3	5465.0	6640.4	5981.0	4870.9	3924.5	3443.4	3195.5	3095.6	3105.7
3954.9	42.5°	4691.2	5915.7	6838.9	5850.5	4417.2	3450.6	3072.4	2962.2	3010.0	3050.6
4063.6	45°	4992.6	6383.8	6962.1	5628.8	3904.2	3049.2	2853.5	2879.6	2915.8	2920.2
4239.0	47.5°	5378.1	6857.7	7043.2	5294.0	3381.0	2766.6	2714.4	2720.2	2713.0	2682.5
4501.3	50°	5859.2	7318.6	7115.7	4850.6	2936.1	2589.8	2520.2	2499.9	2399.9	2301.4
4850.6	52.5°	6407.0	7741.8	7146.1	4299.9	2589.8	2441.9	2328.9	2201.4	2014.4	1984.0
5289.7	55°	7015.7	8133.1	7067.9	3623.1	2298.5	2252.1	2081.1	1927.5	1907.2	1881.1
5867.9	57.5°	7743.2	8554.8	6908.5	2868.0	1999.9	2030.4	1863.7	1881.1	1844.9	1804.3
6611.4	60°	8538.9	8991.0	6628.8	2179.6	1691.2	1753.6	1807.2	1805.7	1795.6	1762.3
7395.4	62.5°	9254.8	9278.0	6078.1	1669.5	1420.2	1539.1	1685.5	1684.0	1675.3	1656.5
8214.2	65°	9680.8	9234.5	5159.3	1314.4	1197.1	1362.3	1520.2	1531.8	1533.3	1531.8
8830.1	67.5°	9605.5	8725.8	3898.4	1046.3	1013.0	1182.6	1356.5	1372.4	1384.0	1386.9
8908.4	70°	8753.3	7608.4	2541.9	834.8	849.2	1024.6	1201.4	1217.4	1227.5	1239.1
7730.2	72.5°	6823.0	5594.0	1455.0	675.3	705.8	888.4	1047.8	1066.6	1072.4	1094.2
5379.5	75°	4157.8	3289.7	785.5	531.9	579.7	759.4	895.6	917.4	927.5	953.6
2641.9	77.5°	1976.7	1424.6	447.8	414.5	466.7	620.3	756.5	781.1	753.6	768.1
729.0	80°	668.1	529.0	282.6	315.9	356.5	484.0	605.8	630.4	572.4	569.5
242.0	82.5°	233.3	214.5	179.7	210.1	230.4	346.4	458.0	489.8	426.1	424.6
108.7	85°	91.3	87.0	100.0	114.5	137.7	213.0	301.4	317.4	262.3	211.6
31.9	87.5°	18.8	20.3	24.6	26.1	42.0	73.9	108.7	133.3	105.8	89.9
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°
3124.5
3241.9
3412.9
3610.0
3834.7
4091.2
4407.1
4750.6
4937.5
4840.4
4579.6
4314.4
4082.5
3860.7
3621.6
3366.6
3140.5
3088.3
2949.2
2705.7
2314.4
1994.1
1885.4
1797.0
1750.7
1649.2
1531.8
1389.8
1244.9
1102.9
956.5
756.5
563.7
404.3
208.7
82.6
0.0

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