

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: P848183

Luminaire Tested: **GLAN-SB4C-850-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848183
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-SB4C-850-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25547 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

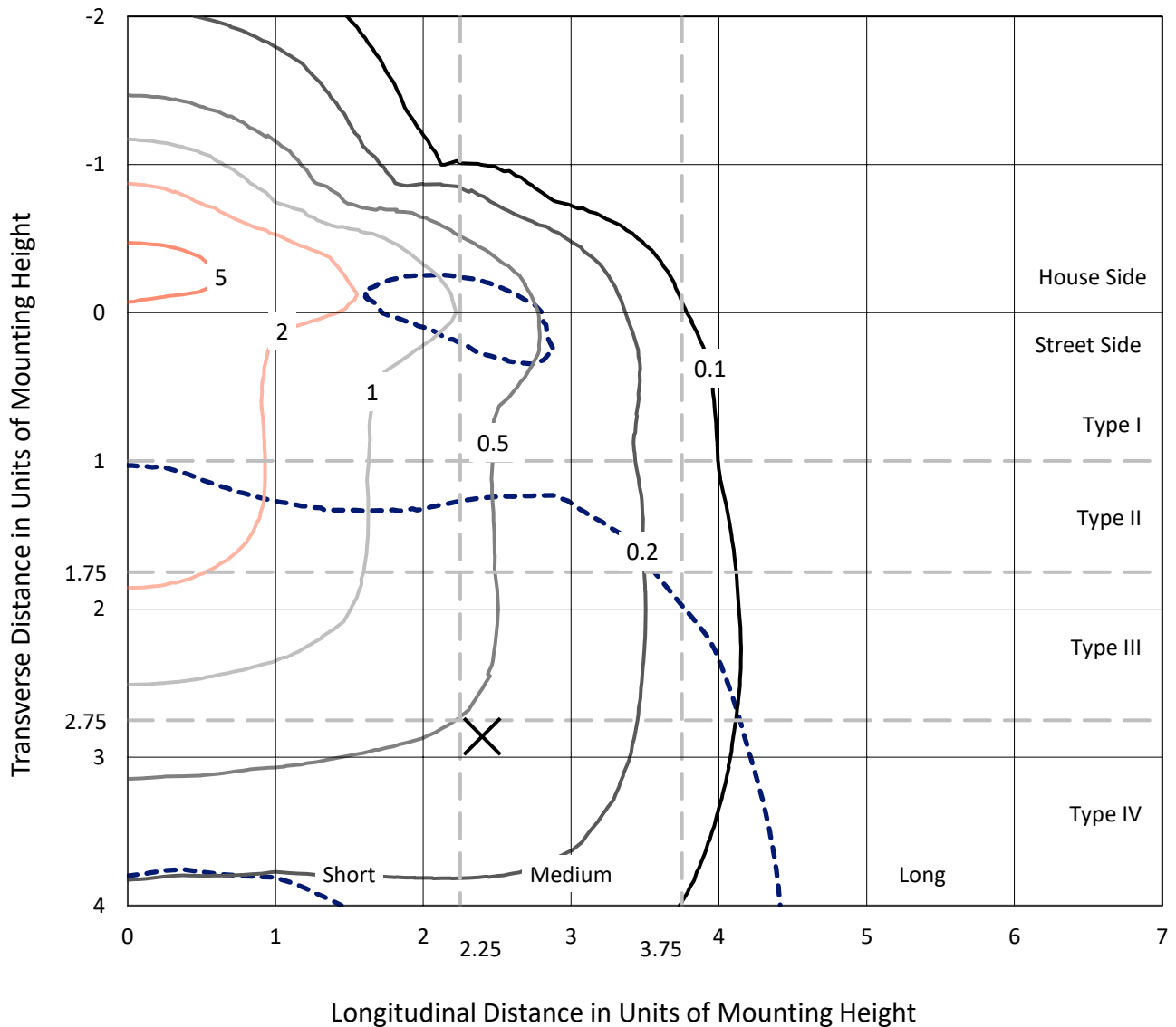
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

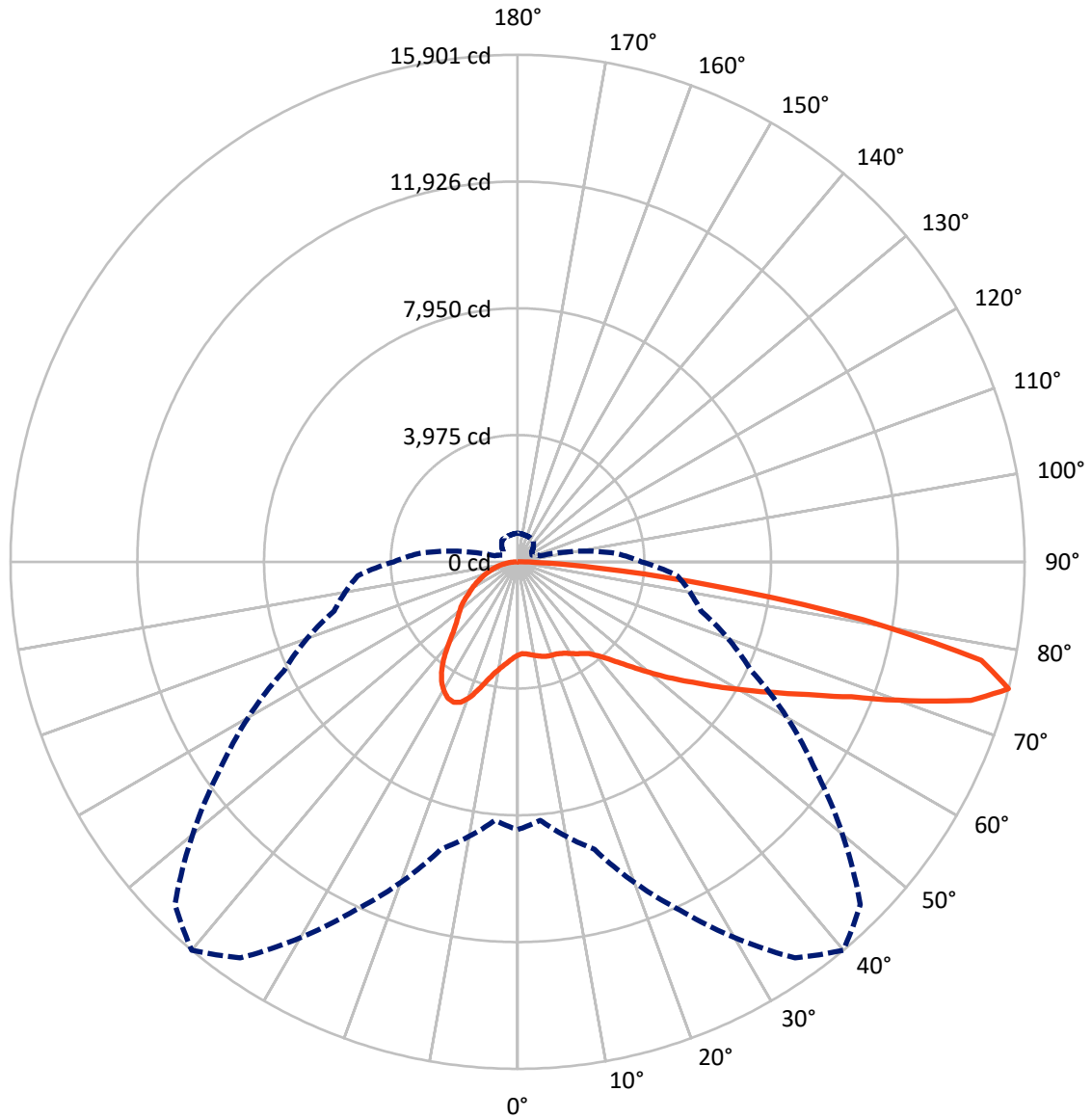
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	7915.3	0.0	7915.3
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	17631.7	0.0	17631.7
	% Fixture	69.0	0.0	69.0
Total	Lumens	25547.0	0.0	25547.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	291.6	1.1
10°-20°	979.1	3.8
20°-30°	1787.7	7.0
30°-40°	2535.4	9.9
40°-50°	3423.6	13.4
50°-60°	4605.6	18.0
60°-70°	5845.6	22.9
70°-80°	5305.2	20.8
80°-90°	773.3	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°	25547.0	100.0
0°-180°	25547.0	100.0

Coefficient of Utilization

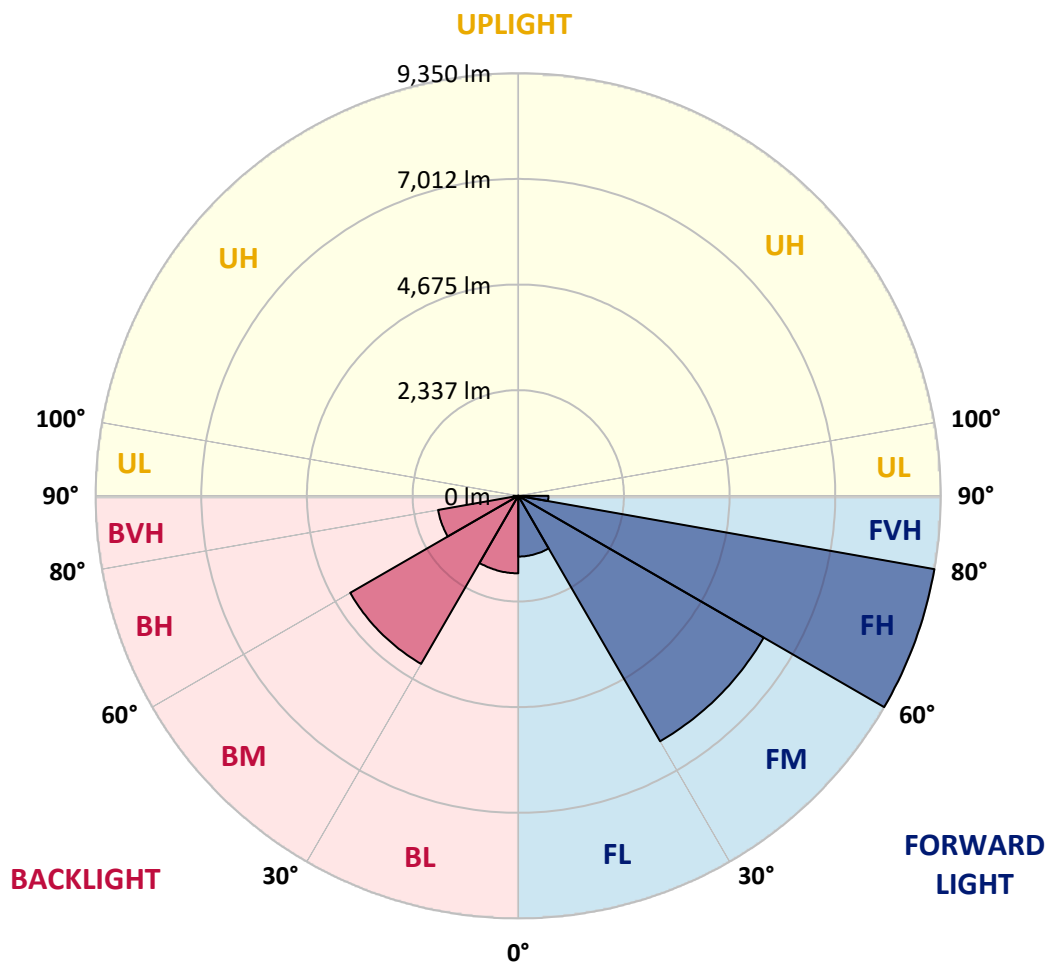


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1343.8	5.3			
FM (30°-60°)	6271.2	24.5			
FH (60°-80°)	9349.8	36.6			G4/12000
FVH (80°-90°)	666.9	2.6			G4/750
BL (0°-30°)	1714.5	6.7	B3/2500		
BM (30°-60°)	4293.3	16.8	B3/5000		
BH (60°-80°)	1801.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	106.5	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°	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3
2.5°	2876.6	2892.9	2888.8	2883.4	2883.4	2884.7	2883.4	2892.9	2902.4	2911.8
5°	2906.4	2922.7	2914.6	2907.8	2902.4	2901.0	2896.9	2895.6	2901.0	2913.2
7.5°	2964.7	2981.0	2968.8	2956.6	2945.7	2940.3	2934.9	2926.8	2922.7	2929.5
10°	3029.7	3046.0	3031.1	3009.4	2991.8	2985.0	2979.6	2971.5	2966.0	2970.1
12.5°	3094.8	3111.0	3090.7	3060.9	3037.9	3033.8	3027.0	3024.3	3023.0	3021.6
15°	3155.7	3169.3	3143.5	3108.3	3083.9	3077.2	3070.4	3074.4	3081.2	3089.4
17.5°	3203.2	3216.7	3178.8	3132.7	3109.7	3107.0	3102.9	3116.5	3135.4	3155.7
20°	3246.5	3260.1	3211.3	3149.0	3121.9	3121.9	3123.2	3151.7	3178.8	3208.6
22.5°	3307.5	3318.3	3258.7	3173.4	3134.1	3136.8	3147.6	3176.1	3209.9	3250.6
25°	3398.3	3406.4	3333.2	3219.4	3174.7	3182.8	3192.3	3205.9	3238.4	3285.8
27.5°	3544.6	3551.4	3455.2	3300.7	3233.0	3246.5	3260.1	3250.6	3265.5	3306.1
30°	3750.6	3754.6	3632.7	3428.1	3331.9	3338.7	3341.4	3302.1	3273.6	3306.1
32.5°	3994.5	3993.1	3848.1	3582.6	3444.4	3437.6	3414.5	3337.3	3270.9	3299.4
35°	4372.5	4357.6	4170.6	3799.4	3571.7	3529.7	3475.5	3376.6	3284.5	3292.6
37.5°	4998.5	4952.4	4693.6	4154.4	3761.4	3654.4	3574.4	3440.3	3314.3	3289.9
40°	5704.5	5646.2	5361.6	4640.8	4046.0	3873.9	3745.2	3531.1	3363.1	3302.1
42.5°	6541.8	6459.2	6153.0	5214.0	4406.4	4157.1	3963.3	3646.2	3434.9	3341.4
45°	7570.3	7460.5	7026.9	5860.3	4860.3	4528.3	4269.5	3821.0	3544.6	3417.3
47.5°	8609.5	8636.6	8020.1	6600.1	5405.0	4986.3	4653.0	4083.9	3704.5	3539.2
50°	9713.8	9732.8	9007.9	7419.9	6022.9	5503.9	5083.9	4377.9	3926.7	3712.6
52.5°	10575.6	10578.3	9904.9	8277.6	6666.5	6073.0	5548.6	4714.0	4184.2	3943.0
55°	11114.9	11108.1	10533.6	9089.2	7406.3	6670.6	6063.5	5096.1	4498.5	4214.0
57.5°	11506.5	11486.2	10967.2	9787.0	8194.9	7376.5	6646.2	5529.7	4869.8	4536.5
60°	11655.5	11643.3	11261.2	10390.0	9024.2	8157.0	7318.2	6014.7	5291.2	4917.2
62.5°	11712.4	11735.5	11549.8	10974.0	9911.7	9021.4	8056.7	6594.7	5765.4	5348.1
65°	11913.0	11955.0	11917.0	11738.2	10914.4	10033.6	9036.4	7284.4	6283.0	5810.1
67.5°	12310.0	12352.0	12368.2	12652.8	12139.3	11295.1	10258.5	8143.4	6888.7	6289.8
70°	12300.5	12288.3	12575.6	13380.4	13673.1	13041.7	11906.2	9200.3	7610.9	6688.2
72.5°	11196.2	11098.6	11777.5	13372.3	14949.5	14865.5	13918.3	10563.4	8234.2	6737.0
75°	8399.5	8139.4	9338.5	12051.2	15162.2	15900.7	15197.4	11408.9	8086.5	5952.4
77.5°	3592.0	3330.5	4743.8	8921.2	13570.1	14864.1	14024.0	9953.7	6455.1	3936.2
80°	940.4	939.0	1433.6	4044.6	9228.8	10976.7	9629.8	6428.0	3688.3	1406.5
82.5°	388.9	379.4	527.1	1573.1	4509.4	6159.7	5027.0	2867.1	1331.9	380.7
85°	145.0	143.6	256.1	543.3	1590.7	2540.6	1838.7	733.0	332.0	185.6
87.5°	40.6	39.3	55.6	188.3	387.5	588.1	314.4	120.6	93.5	73.2
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°
2921.3	0°	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3	2921.3
2926.8	2.5°	2930.8	2937.6	2949.8	2959.3	2971.5	2985.0	3004.0	3016.2	3028.4	3036.5
2933.5	5°	2943.0	2957.9	2989.1	3020.2	3056.8	3090.7	3130.0	3158.5	3181.5	3188.3
2957.9	7.5°	2970.1	2994.5	3047.3	3100.2	3158.5	3214.0	3270.9	3319.7	3359.0	3373.9
3001.3	10°	3017.5	3050.1	3124.6	3199.1	3276.3	3361.7	3434.9	3505.3	3560.9	3583.9
3052.8	12.5°	3077.2	3117.8	3215.4	3318.3	3425.4	3543.3	3638.1	3724.8	3793.9	3825.1
3124.6	15°	3154.4	3207.2	3331.9	3470.1	3627.3	3791.2	3911.8	4008.0	4085.3	4123.2
3199.1	17.5°	3238.4	3308.9	3466.0	3674.7	3899.6	4115.1	4256.0	4326.4	4406.4	4443.0
3268.2	20°	3319.7	3406.4	3631.3	3934.9	4234.3	4463.3	4577.1	4596.1	4601.5	4605.6
3333.2	22.5°	3403.7	3520.2	3838.7	4262.8	4583.9	4742.4	4758.7	4677.4	4563.6	4510.7
3396.9	25°	3495.8	3650.3	4109.6	4624.5	4884.7	4903.7	4779.0	4581.2	4365.7	4266.8
3448.4	27.5°	3585.3	3800.7	4434.8	4970.1	5101.5	4934.8	4666.5	4386.1	4125.9	4021.6
3485.0	30°	3674.7	3972.8	4793.9	5272.2	5200.4	4857.6	4489.0	4176.0	3914.5	3804.8
3517.5	32.5°	3765.5	4173.3	5207.2	5490.4	5182.8	4693.6	4268.2	3940.3	3709.9	3594.8
3546.0	35°	3868.5	4419.9	5598.8	5609.6	5064.9	4452.5	3976.9	3658.4	3457.9	3365.8
3579.9	37.5°	4002.6	4732.9	5944.3	5639.4	4859.0	4098.8	3615.1	3325.1	3159.8	3117.8
3630.0	40°	4169.3	5109.6	6208.5	5592.0	4554.1	3669.3	3219.4	2987.7	2894.2	2903.7
3697.7	42.5°	4386.1	5531.0	6394.1	5470.0	4130.0	3226.2	2872.6	2769.6	2814.3	2852.2
3799.4	45°	4667.9	5968.7	6509.3	5262.7	3650.3	2850.9	2668.0	2692.3	2726.2	2730.3
3963.3	47.5°	5028.3	6411.8	6585.2	4949.7	3161.2	2586.7	2537.9	2543.3	2536.5	2508.1
4208.6	50°	5478.2	6842.6	6652.9	4535.1	2745.2	2421.3	2356.3	2337.3	2243.8	2151.7
4535.1	52.5°	5990.4	7238.3	6681.4	4020.2	2421.3	2283.1	2177.5	2058.2	1883.4	1855.0
4945.7	55°	6559.5	7604.1	6608.2	3387.4	2149.0	2105.6	1945.7	1802.1	1783.2	1758.8
5486.3	57.5°	7239.6	7998.4	6459.2	2681.5	1869.9	1898.3	1742.5	1758.8	1724.9	1686.9
6181.4	60°	7983.5	8406.3	6197.7	2037.9	1581.3	1639.5	1689.7	1688.3	1678.8	1647.7
6914.5	62.5°	8652.9	8674.6	5682.8	1560.9	1327.9	1439.0	1575.8	1574.5	1566.4	1548.7
7680.0	65°	9051.3	8633.9	4823.7	1229.0	1119.2	1273.7	1421.4	1432.2	1433.6	1432.2
8255.9	67.5°	8980.8	8158.3	3644.9	978.3	947.1	1105.7	1268.3	1283.2	1294.0	1296.7
8329.1	70°	8184.1	7113.6	2376.6	780.5	794.0	958.0	1123.3	1138.2	1147.7	1158.5
7227.5	72.5°	6379.2	5230.2	1360.4	631.4	659.9	830.6	979.6	997.3	1002.7	1023.0
5029.7	75°	3887.4	3075.8	734.4	497.3	542.0	710.0	837.4	857.7	867.2	891.6
2470.1	77.5°	1848.2	1331.9	418.7	387.5	436.3	579.9	707.3	730.3	704.6	718.1
681.6	80°	624.6	494.6	264.2	295.4	333.3	452.6	566.4	589.4	535.2	532.5
226.3	82.5°	218.2	200.5	168.0	196.5	215.4	323.8	428.2	458.0	398.4	397.0
101.6	85°	85.4	81.3	93.5	107.0	128.7	199.2	281.8	296.7	245.3	197.8
29.8	87.5°	17.6	19.0	23.0	24.4	39.3	69.1	101.6	124.7	98.9	84.0
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°
2921.3
3031.1
3191.0
3375.3
3585.3
3825.1
4120.5
4441.6
4616.4
4525.6
4281.7
4033.8
3817.0
3609.7
3386.1
3147.6
2936.2
2887.5
2757.4
2529.7
2163.9
1864.5
1762.8
1680.2
1636.8
1542.0
1432.2
1299.4
1163.9
1031.1
894.3
707.3
527.1
378.0
195.1
77.2
0.0

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