

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: P852545

Luminaire Tested: **GLAN-SB4C-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852545
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-SB4C-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26382 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

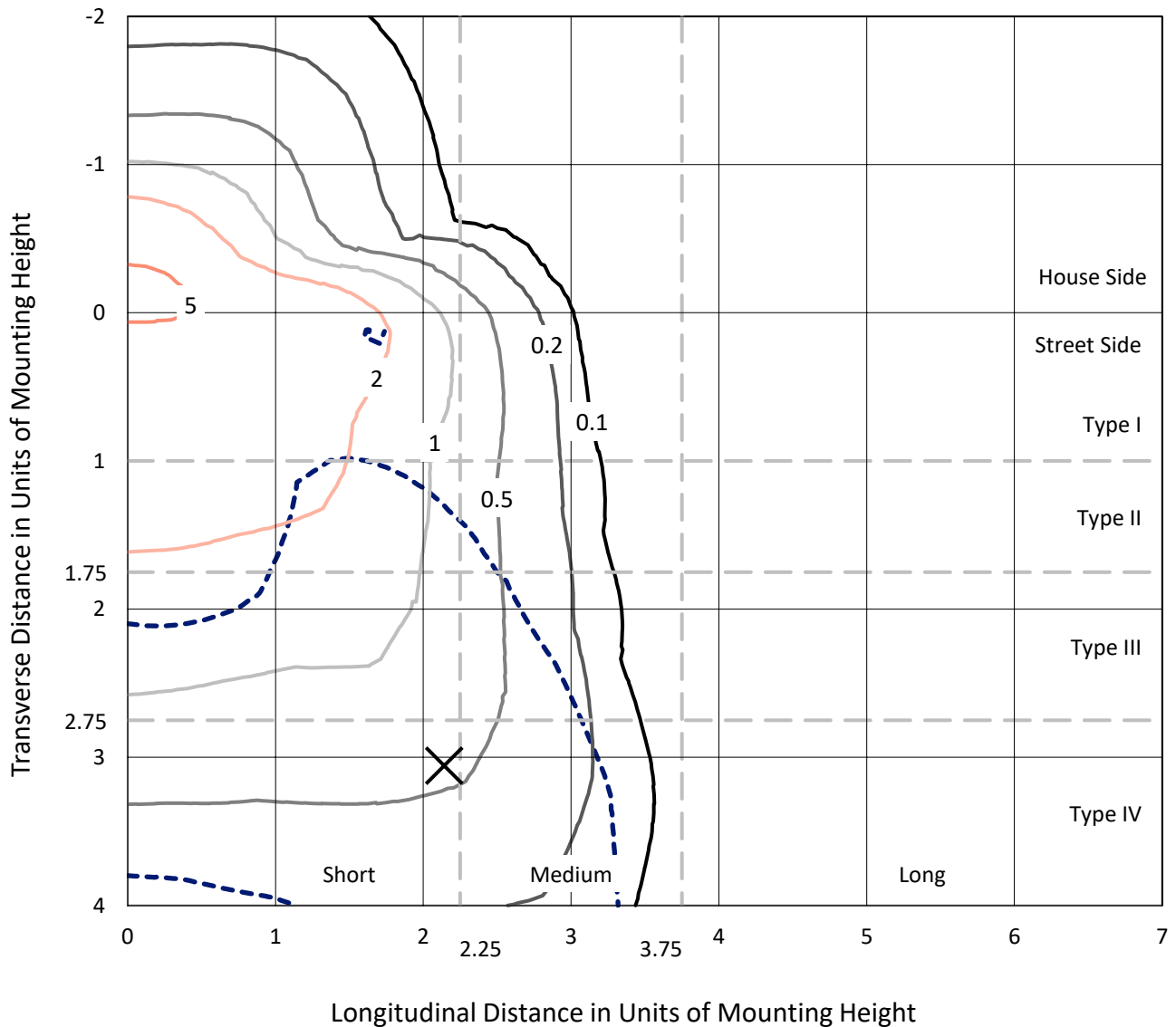
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

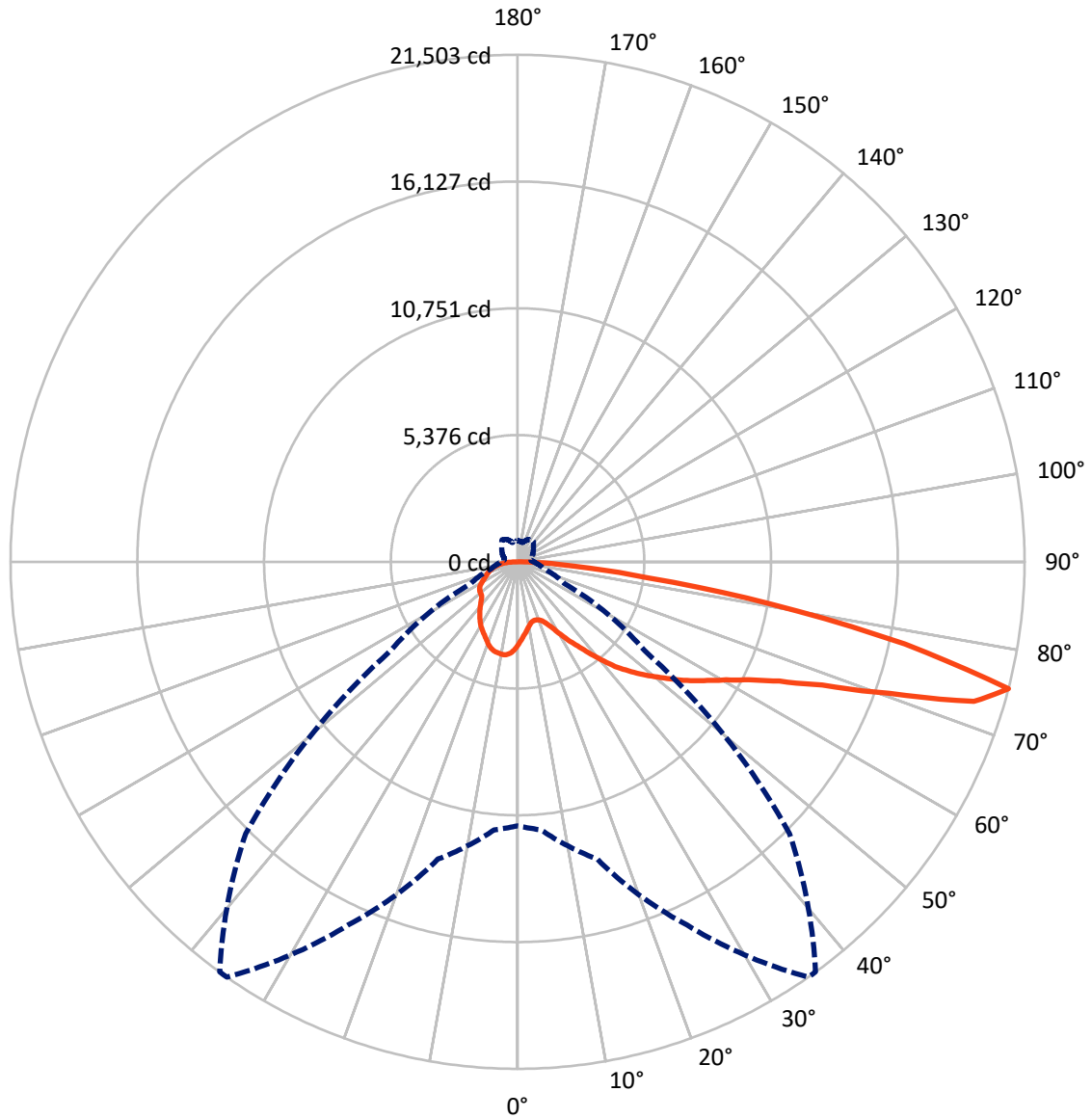
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 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	6278.3	0.0	6278.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	20103.7	0.0	20103.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	26382.0	0.0	26382.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	332.9	1.3
10°-20°	960.1	3.6
20°-30°	1612.3	6.1
30°-40°	2505.7	9.5
40°-50°	3719.1	14.1
50°-60°	5134.4	19.5
60°-70°	6229.2	23.6
70°-80°	5148.0	19.5
80°-90°	740.4	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°	26382.0	100.0
0°-180°	26382.0	100.0

Coefficient of Utilization

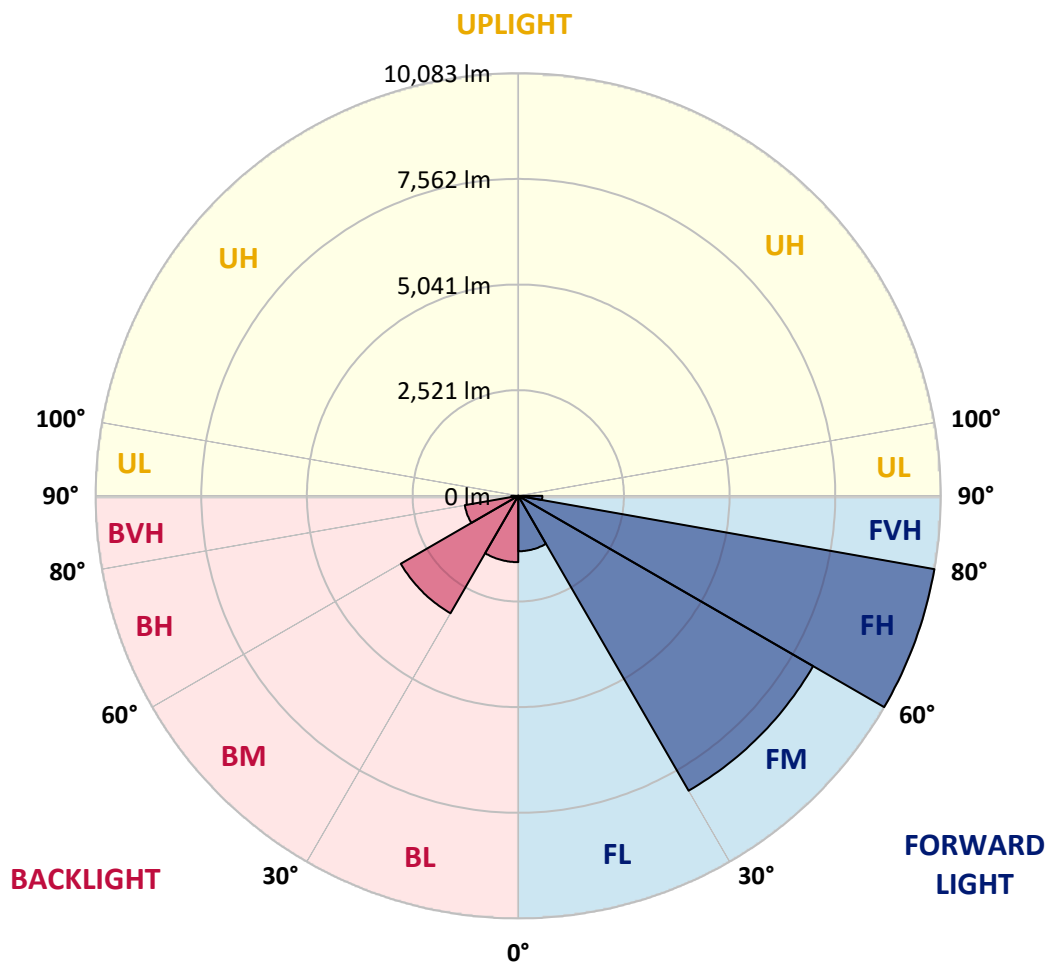


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1323.0	5.0			
FM (30°-60°)	8124.2	30.8			
FH (60°-80°)	10082.8	38.2			G4/12000
FVH (80°-90°)	573.7	2.2			G4/750
BL (0°-30°)	1582.2	6.0	B3/2500		
BM (30°-60°)	3234.9	12.3	B3/5000		
BH (60°-80°)	1294.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	166.7	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°	3515.6	3515.6	3515.6	3515.6	3515.6	3515.6	3515.6	3515.6	3515.6	3515.6
2.5°	3241.7	3261.7	3270.3	3266.0	3287.4	3284.5	3314.5	3351.6	3402.9	3452.8
5°	2992.2	3013.6	3032.1	3049.2	3090.6	3103.4	3150.5	3221.8	3315.9	3411.5
7.5°	2759.7	2778.2	2806.8	2838.1	2908.0	2920.9	2999.3	3110.5	3241.7	3381.5
10°	2570.0	2588.6	2618.5	2654.2	2741.2	2756.8	2856.7	3005.0	3176.1	3353.0
12.5°	2488.7	2494.4	2511.5	2547.2	2622.8	2632.8	2742.6	2912.3	3112.0	3331.6
15°	2484.4	2495.8	2497.3	2515.8	2578.6	2582.8	2684.1	2852.4	3072.0	3327.3
17.5°	2527.2	2535.8	2522.9	2534.4	2587.1	2594.3	2674.1	2823.9	3059.2	3345.9
20°	2641.3	2648.5	2609.9	2594.3	2632.8	2638.5	2716.9	2842.4	3072.0	3384.4
22.5°	2883.8	2888.1	2793.9	2729.7	2732.6	2735.4	2803.9	2918.0	3121.9	3454.3
25°	3261.7	3258.9	3109.1	2985.0	2913.7	2898.0	2943.7	3040.7	3206.1	3547.0
27.5°	3703.8	3682.4	3532.7	3347.3	3191.8	3169.0	3159.0	3200.4	3325.9	3669.6
30°	4203.0	4183.0	4021.9	3779.4	3564.1	3527.0	3432.9	3411.5	3504.2	3836.5
32.5°	4750.7	4737.8	4545.3	4251.5	3963.4	3920.6	3762.3	3705.3	3778.0	4088.9
35°	5209.9	5198.5	5038.8	4736.4	4384.1	4331.4	4170.2	4106.0	4143.1	4412.7
37.5°	5624.9	5619.2	5482.3	5244.1	4880.5	4816.3	4635.1	4613.8	4606.6	4839.1
40°	6010.0	5995.7	5853.1	5727.6	5458.1	5399.6	5239.9	5221.3	5167.1	5363.9
42.5°	6436.4	6399.4	6192.6	6134.1	6061.3	6012.9	5917.3	5920.2	5800.4	5955.8
45°	6784.4	6763.0	6550.5	6516.3	6594.7	6574.8	6657.5	6678.9	6446.4	6576.2
47.5°	7158.1	7138.1	6958.4	6934.2	7146.7	7152.4	7444.8	7451.9	7076.8	7220.8
50°	7618.8	7590.2	7412.0	7441.9	7680.1	7701.5	8236.3	8187.8	7657.3	7875.5
52.5°	7922.5	7939.6	7901.1	7949.6	8274.8	8294.8	9015.0	8890.9	8232.0	8521.5
55°	8146.4	8180.7	8300.5	8411.7	8902.3	8922.3	9749.5	9559.8	8708.4	9120.5
57.5°	8434.5	8386.0	8610.0	8826.7	9498.5	9551.3	10464.0	10204.5	9130.5	9636.8
60°	8848.1	8813.9	8987.9	9308.8	10165.9	10250.1	11219.9	10784.9	9440.0	10046.1
62.5°	9686.7	9601.2	9628.3	9912.1	11007.4	11118.6	12072.8	11291.2	9594.0	10205.9
65°	10940.4	10793.5	10656.6	10853.4	12192.6	12302.4	13035.5	11689.1	9537.0	9896.4
67.5°	12519.2	12373.7	12205.4	12390.8	13938.2	14025.2	14223.5	11913.0	9087.7	8704.1
70°	13821.3	13767.1	13968.2	14731.2	16726.5	16729.3	15746.7	11727.6	7856.9	6171.2
72.5°	13648.7	13615.9	14675.6	17034.5	20240.6	20165.0	17188.5	10324.3	5292.6	2783.9
75°	11197.1	11409.6	13051.1	16993.2	21502.8	21492.8	16305.7	6563.4	2189.2	1153.8
77.5°	6004.3	6340.9	8473.0	12546.3	16786.4	17038.8	11463.8	2296.2	939.9	738.8
80°	1958.2	2252.0	3377.2	6387.9	10907.6	10860.5	4913.3	901.4	643.2	523.4
82.5°	831.5	865.7	1508.9	3016.4	5597.8	5510.8	1564.5	517.7	452.1	358.0
85°	325.2	363.7	666.0	1394.8	2424.5	2371.8	564.8	256.7	289.5	233.9
87.5°	107.0	129.8	238.2	477.8	754.5	727.4	138.3	88.4	125.5	107.0
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°
3515.6	0°	3515.6	3515.6	3515.6	3515.6	3515.6	3515.6	3515.6	3515.6	3515.6	3515.6
3525.6	2.5°	3545.5	3568.3	3595.4	3635.4	3669.6	3698.1	3728.1	3746.6	3753.8	3775.1
3531.3	5°	3571.2	3621.1	3688.2	3753.8	3817.9	3856.4	3890.7	3907.8	3923.5	3934.9
3547.0	7.5°	3614.0	3678.2	3783.7	3869.3	3923.5	3954.8	3977.7	3972.0	3977.7	3980.5
3564.1	10°	3651.1	3740.9	3866.4	3947.7	3989.1	3990.5	3984.8	3964.8	3954.8	3956.3
3589.7	12.5°	3695.3	3795.1	3930.6	3999.1	4010.5	3979.1	3954.8	3920.6	3907.8	3902.1
3628.2	15°	3755.2	3869.3	4000.5	4026.2	3997.6	3957.7	3916.3	3860.7	3832.2	3809.4
3693.9	17.5°	3827.9	3953.4	4054.7	4036.1	3974.8	3909.2	3842.2	3758.0	3699.6	3675.3
3783.7	20°	3929.2	4041.8	4096.0	4014.7	3922.0	3822.2	3708.1	3605.4	3551.2	3527.0
3897.8	22.5°	4051.8	4160.2	4136.0	3977.7	3846.5	3686.7	3544.1	3468.5	3441.4	3424.3
4044.7	25°	4198.7	4291.4	4164.5	3923.5	3722.4	3507.0	3397.2	3373.0	3360.1	3347.3
4224.4	27.5°	4389.8	4439.8	4185.9	3843.6	3528.4	3315.9	3276.0	3280.3	3276.0	3254.6
4474.0	30°	4642.3	4632.3	4205.9	3713.8	3305.9	3143.3	3146.2	3164.7	3167.6	3153.3
4822.0	32.5°	4974.6	4873.3	4215.8	3545.5	3093.4	2992.2	2995.0	3015.0	3029.2	3005.0
5276.9	35°	5376.8	5154.3	4200.2	3334.5	2929.4	2848.1	2826.7	2832.4	2836.7	2813.9
5828.9	37.5°	5846.0	5469.5	4130.3	3100.6	2793.9	2706.9	2661.3	2622.8	2600.0	2578.6
6453.5	40°	6360.8	5813.2	4001.9	2872.4	2642.7	2557.2	2488.7	2416.0	2339.0	2310.4
7115.3	42.5°	6899.9	6166.9	3846.5	2654.2	2468.8	2398.9	2326.1	2220.6	2105.1	2046.6
7802.7	45°	7459.0	6529.1	3693.9	2438.8	2290.5	2260.5	2176.4	2049.4	1923.9	1849.8
8491.6	47.5°	8006.7	6871.4	3469.9	2222.0	2123.6	2156.4	2090.8	1973.9	1834.1	1717.1
9174.7	50°	8530.1	7192.3	3103.4	2002.4	1988.1	2125.0	2062.3	1894.0	1734.3	1584.5
9845.1	52.5°	9049.2	7451.9	2634.2	1802.7	1915.4	2116.5	2025.2	1839.8	1644.4	1487.5
10475.4	55°	9489.9	7586.0	2182.1	1631.6	1809.8	2043.7	1981.0	1775.6	1517.5	1350.6
10907.6	57.5°	9740.9	7477.6	1805.6	1463.3	1664.4	1923.9	1905.4	1638.7	1366.3	1237.9
10991.7	60°	9632.5	7038.3	1497.5	1316.4	1526.0	1794.2	1774.2	1503.2	1250.8	1129.5
10541.0	62.5°	9035.0	6201.1	1253.6	1188.0	1400.5	1661.5	1643.0	1399.1	1162.4	1045.4
9344.5	65°	7831.3	5044.5	1063.9	1081.1	1273.6	1501.8	1528.9	1312.1	1092.5	978.4
7229.4	67.5°	5972.9	3653.9	915.6	988.4	1149.5	1344.9	1423.3	1249.4	1034.0	925.6
4183.0	70°	3404.3	2075.1	790.1	898.5	1039.7	1199.4	1342.1	1199.4	971.2	881.4
1567.4	72.5°	1290.7	952.7	683.1	808.7	934.2	1076.8	1252.2	1121.0	898.5	831.5
810.1	75°	688.9	580.5	574.8	703.1	812.9	957.0	1139.5	1044.0	844.3	878.5
560.5	77.5°	469.2	410.7	480.6	601.9	680.3	824.3	1019.7	927.0	731.6	728.8
387.9	80°	325.2	290.9	390.8	484.9	526.3	693.1	889.9	795.8	596.2	556.2
239.6	82.5°	195.4	189.7	292.4	362.3	372.2	534.8	737.3	667.5	487.8	425.0
142.6	85°	107.0	112.7	186.8	212.5	216.8	373.7	577.6	516.3	375.1	315.2
51.3	87.5°	30.0	38.5	68.5	84.1	104.1	194.0	343.7	306.6	188.3	131.2
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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<u>180°</u>
3515.6
3773.7
3937.7
3984.8
3959.1
3899.2
3816.5
3676.7
3524.1
3427.2
3347.3
3258.9
3160.5
3016.4
2829.6
2592.8
2323.3
2053.7
1844.1
1704.3
1571.7
1470.4
1336.3
1220.8
1112.4
1026.9
959.8
908.5
870.0
820.1
907.1
671.7
532.0
427.9
318.0
131.2
0.0

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