

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: P852543

Luminaire Tested: **GLAN-SB4C-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852543
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-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24562 lumens
Efficiency: N/A
Efficacy: 122.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

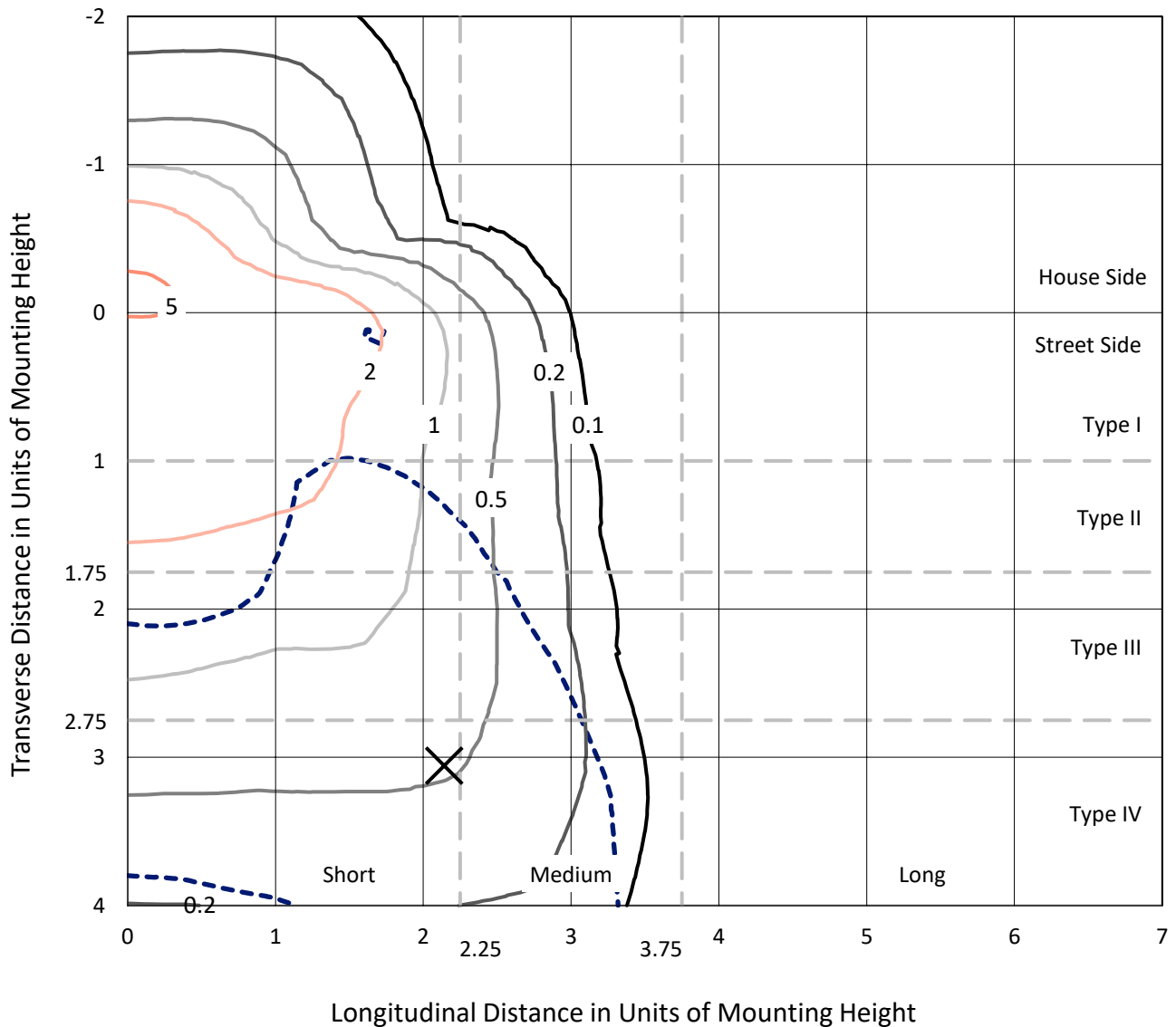
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

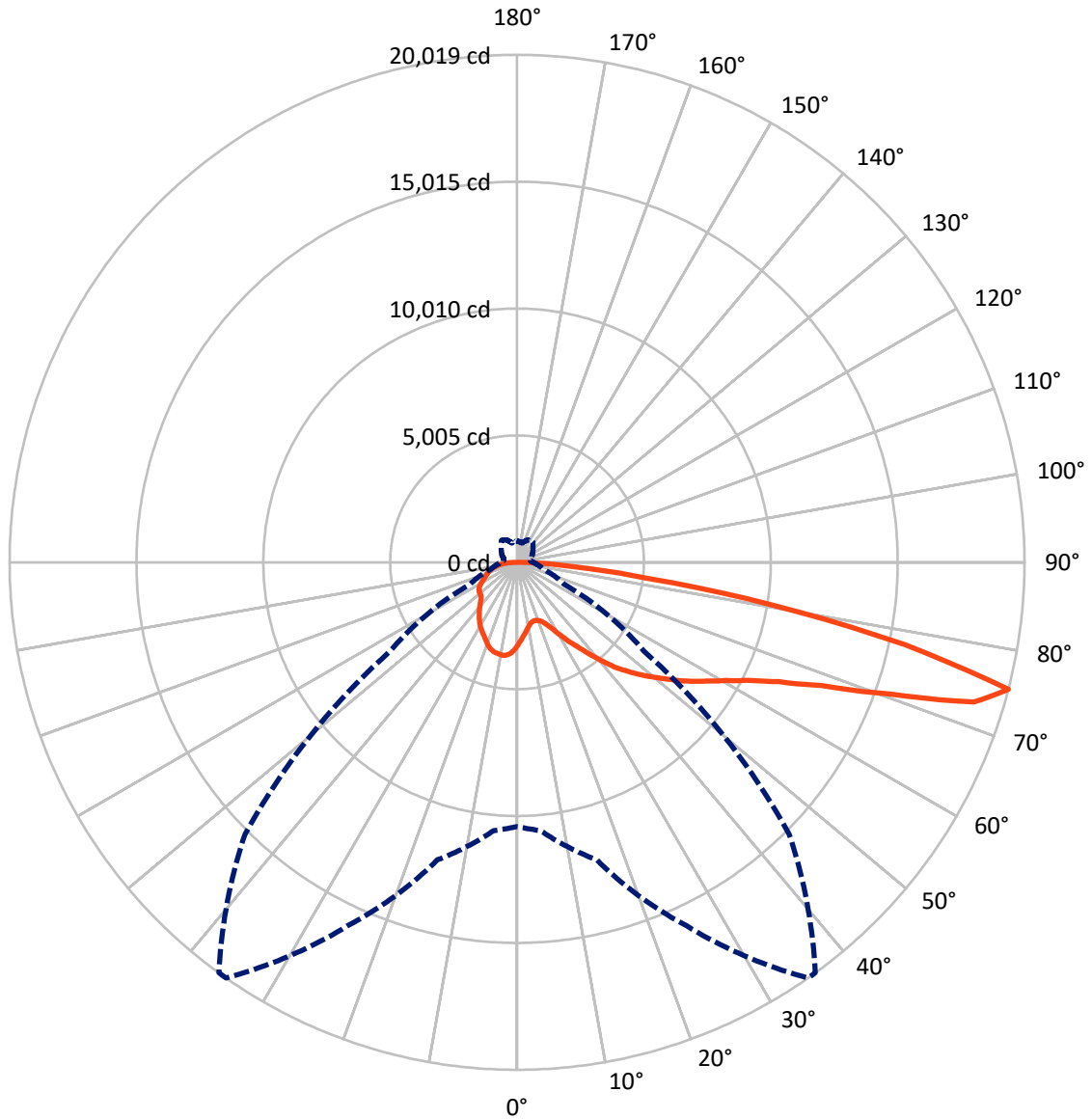
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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	5845.1	0.0	5845.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	18716.9	0.0	18716.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	24562.0	0.0	24562.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.9	1.3
10°-20°	893.9	3.6
20°-30°	1501.0	6.1
30°-40°	2332.8	9.5
40°-50°	3462.5	14.1
50°-60°	4780.2	19.5
60°-70°	5799.5	23.6
70°-80°	4792.8	19.5
80°-90°	689.4	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°	24562.0	100.0
0°-180°	24562.0	100.0

Coefficient of Utilization

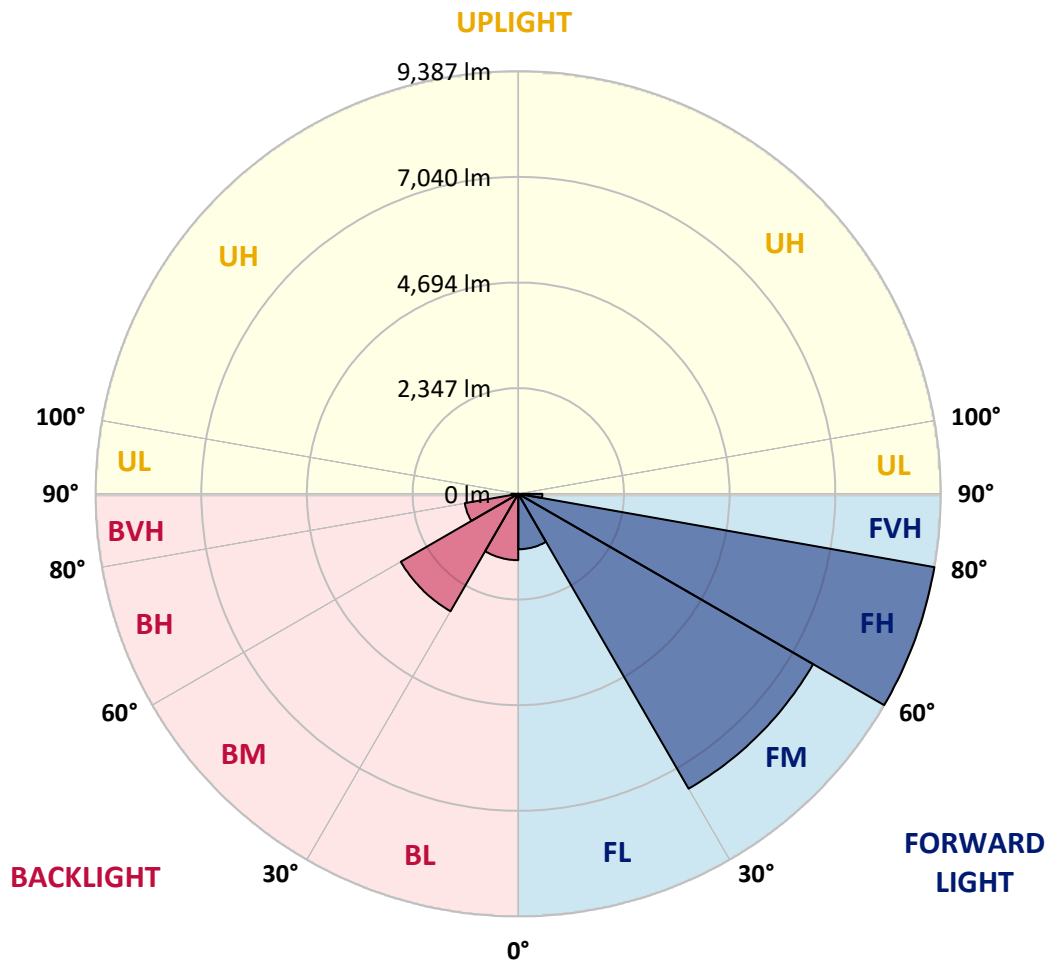


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1231.7	5.0			
FM (30°-60°)	7563.8	30.8			
FH (60°-80°)	9387.2	38.2			G4/12000
FVH (80°-90°)	534.1	2.2			G4/750
BL (0°-30°)	1473.1	6.0	B3/2500		
BM (30°-60°)	3011.8	12.3	B3/5000		
BH (60°-80°)	1205.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	155.2	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°	3273.1	3273.1	3273.1	3273.1	3273.1	3273.1	3273.1	3273.1	3273.1	3273.1
2.5°	3018.1	3036.7	3044.7	3040.7	3060.6	3057.9	3085.8	3120.4	3168.2	3214.6
5°	2785.7	2805.7	2822.9	2838.9	2877.4	2889.3	2933.1	2999.5	3087.2	3176.1
7.5°	2569.3	2586.6	2613.1	2642.3	2707.4	2719.4	2792.4	2896.0	3018.1	3148.2
10°	2392.7	2410.0	2437.9	2471.1	2552.1	2566.7	2659.6	2797.7	2957.0	3121.7
12.5°	2317.0	2322.3	2338.3	2371.5	2441.8	2451.1	2553.4	2711.4	2897.3	3101.8
15°	2313.0	2323.7	2325.0	2342.3	2400.7	2404.7	2498.9	2655.6	2860.1	3097.8
17.5°	2352.9	2360.8	2348.9	2359.5	2408.6	2415.3	2489.6	2629.1	2848.2	3115.0
20°	2459.1	2465.7	2429.9	2415.3	2451.1	2456.4	2529.5	2646.3	2860.1	3150.9
22.5°	2684.8	2688.8	2601.2	2541.4	2544.1	2546.7	2610.5	2716.7	2906.6	3216.0
25°	3036.7	3034.0	2894.6	2779.1	2712.7	2698.1	2740.6	2830.9	2984.9	3302.3
27.5°	3448.3	3428.4	3289.0	3116.4	2971.6	2950.4	2941.1	2979.6	3096.5	3416.5
30°	3913.1	3894.5	3744.4	3518.7	3318.2	3283.7	3196.0	3176.1	3262.4	3571.8
32.5°	4422.9	4411.0	4231.7	3958.2	3690.0	3650.2	3502.8	3449.7	3517.4	3806.8
35°	4850.5	4839.9	4691.2	4409.7	4081.7	4032.6	3882.5	3822.8	3857.3	4108.2
37.5°	5236.9	5231.6	5104.1	4882.4	4543.8	4484.0	4315.4	4295.5	4288.8	4505.3
40°	5595.4	5582.1	5449.3	5332.5	5081.5	5027.1	4878.4	4861.1	4810.7	4993.9
42.5°	5992.4	5957.9	5765.4	5710.9	5643.2	5598.0	5509.1	5511.7	5400.2	5544.9
45°	6316.4	6296.5	6098.6	6066.8	6139.8	6121.2	6198.2	6218.1	6001.7	6122.5
47.5°	6664.3	6645.7	6478.4	6455.8	6653.7	6659.0	6931.2	6937.8	6588.6	6722.7
50°	7093.2	7066.6	6900.6	6928.5	7150.3	7170.2	7668.1	7623.0	7129.0	7332.2
52.5°	7376.0	7391.9	7356.1	7401.2	7704.0	7722.5	8393.1	8277.6	7664.1	7933.7
55°	7584.5	7616.3	7727.9	7831.4	8288.2	8306.8	9076.9	8900.3	8107.6	8491.3
57.5°	7852.7	7807.5	8016.0	8217.8	8843.2	8892.3	9742.1	9500.5	8500.6	8972.0
60°	8237.7	8205.9	8367.9	8666.6	9464.6	9543.0	10445.9	10040.9	8788.8	9353.1
62.5°	9018.5	8938.8	8964.0	9228.3	10248.0	10351.6	11239.9	10512.3	8932.2	9501.8
65°	10185.6	10048.9	9921.4	10104.6	11351.5	11453.7	12136.2	10882.7	8879.1	9213.7
67.5°	11655.5	11520.1	11363.4	11536.0	12976.7	13057.7	13242.3	11091.2	8460.8	8103.6
70°	12867.8	12817.4	13004.6	13715.0	15572.6	15575.2	14660.4	10918.6	7314.9	5745.4
72.5°	12707.1	12676.6	13663.2	15859.4	18844.3	18773.9	16002.8	9612.0	4927.5	2591.9
75°	10424.6	10622.5	12150.8	15820.9	20019.4	20010.1	15180.9	6110.6	2038.2	1074.2
77.5°	5590.1	5903.4	7888.5	11680.7	15628.3	15863.4	10672.9	2137.8	875.0	687.8
80°	1823.1	2096.6	3144.3	5947.3	10155.1	10111.3	4574.3	839.2	598.8	487.3
82.5°	774.1	806.0	1404.8	2808.3	5211.7	5130.7	1456.6	482.0	420.9	333.3
85°	302.7	338.6	620.1	1298.6	2257.3	2208.1	525.8	239.0	269.5	217.8
87.5°	99.6	120.8	221.7	444.8	702.4	677.2	128.8	82.3	116.8	99.6
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°
3273.1	0°	3273.1	3273.1	3273.1	3273.1	3273.1	3273.1	3273.1	3273.1	3273.1	3273.1
3282.3	2.5°	3300.9	3322.2	3347.4	3384.6	3416.5	3443.0	3470.9	3488.2	3494.8	3514.7
3287.7	5°	3324.8	3371.3	3433.7	3494.8	3554.5	3590.4	3622.3	3638.2	3652.8	3663.4
3302.3	7.5°	3364.7	3424.4	3522.7	3602.3	3652.8	3682.0	3703.3	3698.0	3703.3	3705.9
3318.2	10°	3399.2	3482.8	3599.7	3675.4	3713.9	3715.2	3709.9	3691.3	3682.0	3683.3
3342.1	12.5°	3440.4	3533.3	3659.4	3723.2	3733.8	3704.6	3682.0	3650.2	3638.2	3632.9
3377.9	15°	3496.1	3602.3	3724.5	3748.4	3721.9	3684.7	3646.2	3594.4	3567.8	3546.6
3439.0	17.5°	3563.8	3680.7	3775.0	3757.7	3700.6	3639.5	3577.1	3498.8	3444.3	3421.8
3522.7	20°	3658.1	3763.0	3813.5	3737.8	3651.5	3558.5	3452.3	3356.7	3306.2	3283.7
3628.9	22.5°	3772.3	3873.2	3850.7	3703.3	3581.1	3432.4	3299.6	3229.2	3204.0	3188.1
3765.7	25°	3909.1	3995.4	3877.2	3652.8	3465.6	3265.1	3162.8	3140.3	3128.3	3116.4
3933.0	27.5°	4087.0	4133.5	3897.1	3578.4	3285.0	3087.2	3050.0	3054.0	3050.0	3030.1
4165.3	30°	4322.0	4312.7	3915.7	3457.6	3077.9	2926.5	2929.1	2946.4	2949.1	2935.8
4489.3	32.5°	4631.4	4537.1	3925.0	3300.9	2880.0	2785.7	2788.4	2807.0	2820.3	2797.7
4912.9	35°	5005.8	4798.7	3910.4	3104.4	2727.3	2651.6	2631.7	2637.0	2641.0	2619.8
5426.8	37.5°	5442.7	5092.2	3845.3	2886.7	2601.2	2520.2	2477.7	2441.8	2420.6	2400.7
6008.3	40°	5922.0	5412.2	3725.8	2674.2	2460.4	2380.8	2317.0	2249.3	2177.6	2151.1
6624.4	42.5°	6423.9	5741.5	3581.1	2471.1	2298.4	2233.4	2165.7	2067.4	1959.8	1905.4
7264.5	45°	6944.4	6078.7	3439.0	2270.6	2132.5	2104.6	2026.2	1908.1	1791.2	1722.2
7905.8	47.5°	7454.3	6397.4	3230.6	2068.7	1977.1	2007.6	1946.6	1837.7	1707.6	1598.7
8541.8	50°	7941.6	6696.1	2889.3	1864.2	1851.0	1978.4	1920.0	1763.3	1614.6	1475.2
9165.9	52.5°	8425.0	6937.8	2452.5	1678.4	1783.2	1970.5	1885.5	1712.9	1531.0	1384.9
9752.8	55°	8835.3	7062.6	2031.5	1519.0	1685.0	1902.8	1844.3	1653.1	1412.8	1257.4
10155.1	57.5°	9068.9	6961.7	1681.0	1362.3	1549.6	1791.2	1774.0	1525.7	1272.0	1152.5
10233.4	60°	8968.0	6552.7	1394.2	1225.6	1420.8	1670.4	1651.8	1399.5	1164.5	1051.6
9813.8	62.5°	8411.7	5773.3	1167.1	1106.1	1303.9	1546.9	1529.6	1302.6	1082.2	973.3
8699.8	65°	7291.0	4696.5	990.5	1006.5	1185.7	1398.2	1423.4	1221.6	1017.1	910.9
6730.7	67.5°	5560.9	3401.9	852.5	920.2	1070.2	1252.1	1325.2	1163.2	962.7	861.7
3894.5	70°	3169.5	1932.0	735.6	836.5	968.0	1116.7	1249.5	1116.7	904.2	820.6
1459.3	72.5°	1201.7	887.0	636.0	752.9	869.7	1002.5	1165.8	1043.7	836.5	774.1
754.2	75°	641.3	540.4	535.1	654.6	756.9	891.0	1060.9	972.0	786.1	817.9
521.8	77.5°	436.8	382.4	447.5	560.3	633.4	767.5	949.4	863.1	681.2	678.5
361.2	80°	302.7	270.9	363.8	451.5	490.0	645.3	828.6	740.9	555.0	517.8
223.1	82.5°	181.9	176.6	272.2	337.3	346.6	497.9	686.5	621.4	454.1	395.7
132.8	85°	99.6	104.9	173.9	197.8	201.8	347.9	537.8	480.7	349.2	293.4
47.8	87.5°	27.9	35.9	63.7	78.3	96.9	180.6	320.0	285.5	175.3	122.2
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°
3273.1
3513.4
3666.1
3709.9
3686.0
3630.2
3553.2
3423.1
3281.0
3190.7
3116.4
3034.0
2942.4
2808.3
2634.4
2414.0
2163.0
1912.0
1716.9
1586.7
1463.2
1369.0
1244.2
1136.6
1035.7
956.0
893.6
845.8
810.0
763.5
844.5
625.4
495.3
398.3
296.1
122.2
0.0

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