

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: P852645

Luminaire Tested: **GLAN-SB5B-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852645
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-SB5B-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23278 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

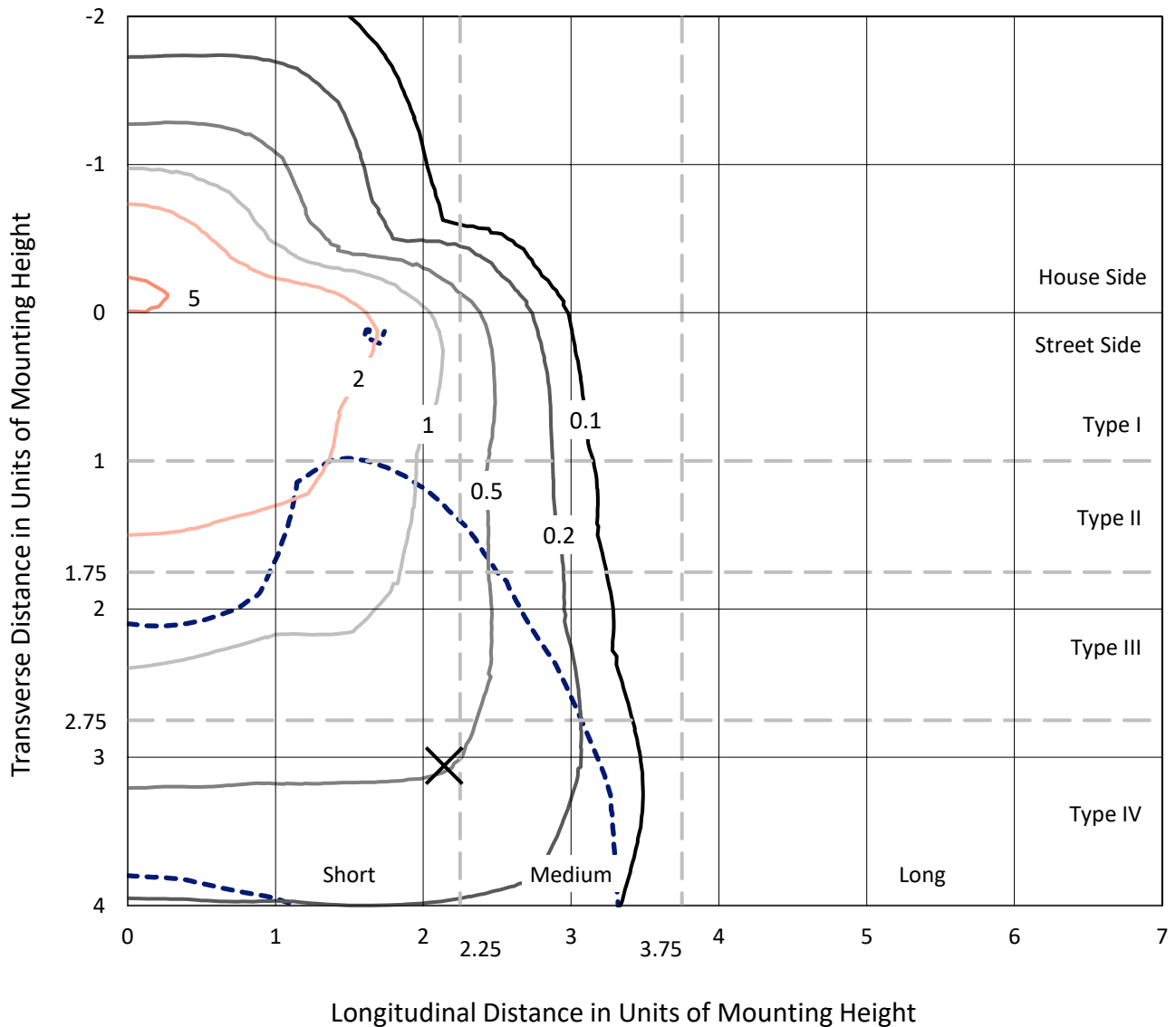
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

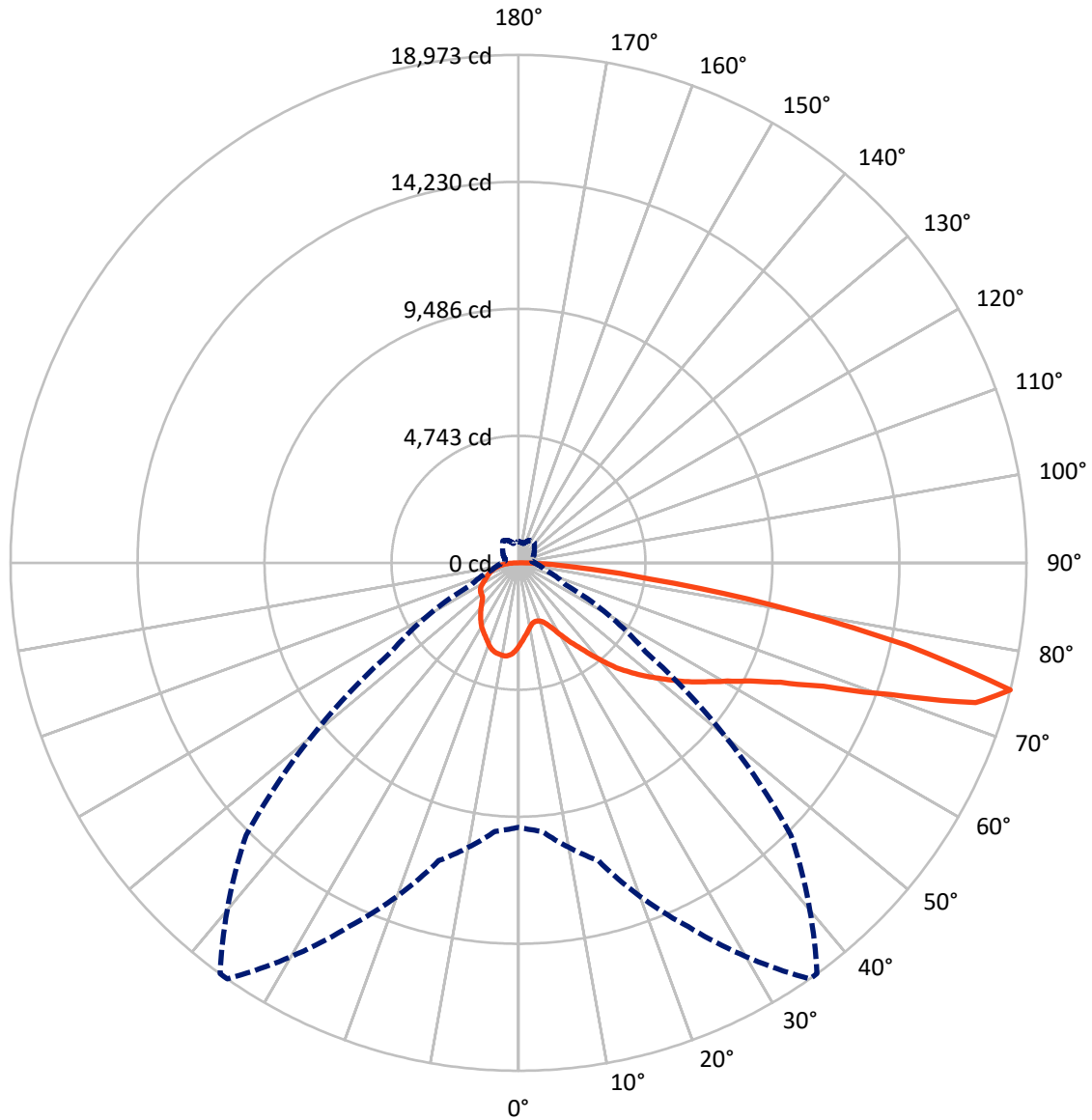
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	5539.6	0.0	5539.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	17738.4	0.0	17738.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	23278.0	0.0	23278.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.7	1.3
10°-20°	847.1	3.6
20°-30°	1422.6	6.1
30°-40°	2210.9	9.5
40°-50°	3281.5	14.1
50°-60°	4530.3	19.5
60°-70°	5496.3	23.6
70°-80°	4542.3	19.5
80°-90°	653.3	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°	23278.0	100.0
0°-180°	23278.0	100.0

Coefficient of Utilization

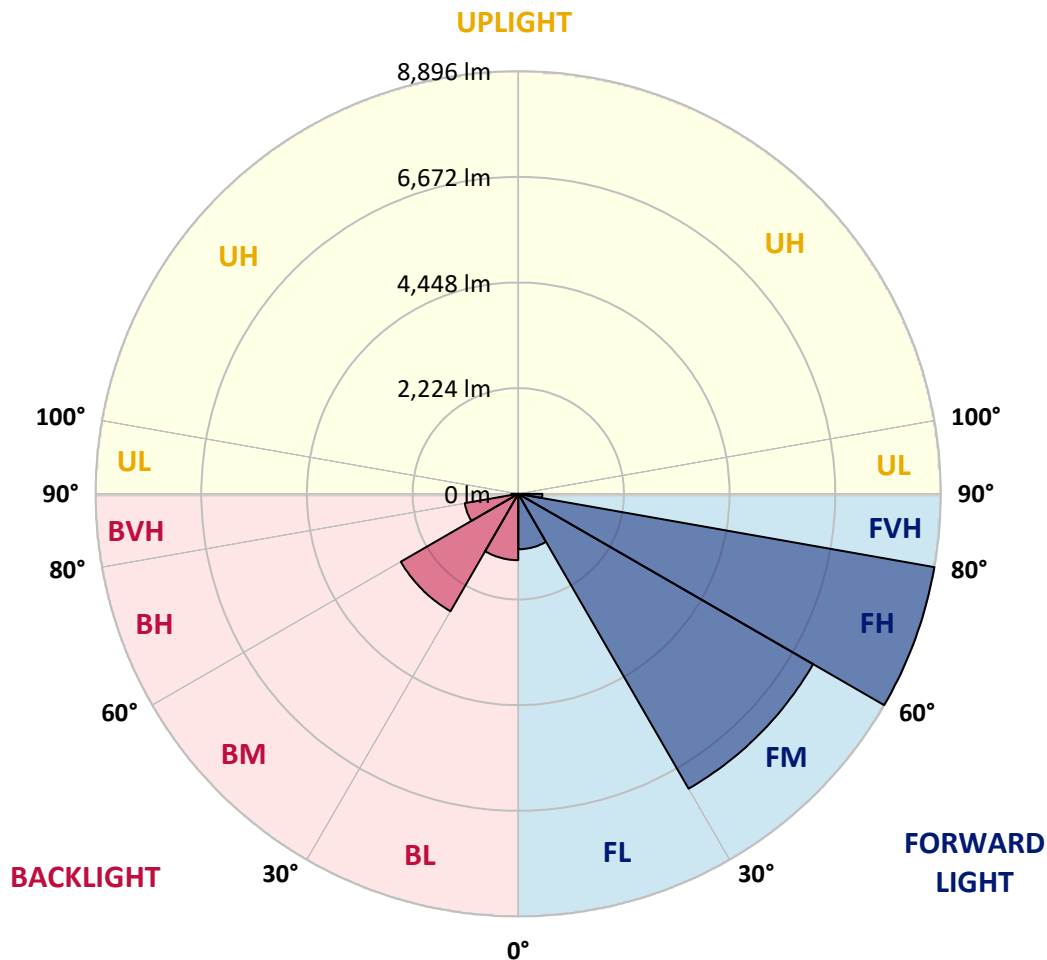


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1167.3	5.0			
FM (30°-60°)	7168.4	30.8			
FH (60°-80°)	8896.5	38.2			G4/12000
FVH (80°-90°)	506.2	2.2			G4/750
BL (0°-30°)	1396.0	6.0	B3/2500		
BM (30°-60°)	2854.3	12.3	B3/5000		
BH (60°-80°)	1142.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	147.1	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°	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0
2.5°	2860.3	2878.0	2885.5	2881.7	2900.6	2898.1	2924.5	2957.2	3002.5	3046.6
5°	2640.1	2659.0	2675.4	2690.5	2726.9	2738.3	2779.8	2842.7	2925.8	3010.1
7.5°	2435.0	2451.4	2476.5	2504.2	2565.9	2577.2	2646.4	2744.6	2860.3	2983.7
10°	2267.6	2284.0	2310.4	2341.9	2418.6	2432.5	2520.6	2651.4	2802.5	2958.5
12.5°	2195.9	2200.9	2216.0	2247.5	2314.2	2323.0	2419.9	2569.6	2745.8	2939.6
15°	2192.1	2202.2	2203.5	2219.8	2275.2	2279.0	2368.3	2516.8	2710.6	2935.8
17.5°	2229.9	2237.4	2226.1	2236.2	2282.7	2289.0	2359.5	2491.6	2699.3	2952.2
20°	2330.6	2336.8	2302.9	2289.0	2323.0	2328.0	2397.2	2508.0	2710.6	2986.2
22.5°	2544.5	2548.3	2465.2	2408.6	2411.1	2413.6	2474.0	2574.7	2754.6	3047.8
25°	2878.0	2875.4	2743.3	2633.8	2570.9	2557.1	2597.3	2682.9	2828.9	3129.6
27.5°	3268.1	3249.2	3117.1	2953.5	2816.3	2796.2	2787.4	2823.8	2934.6	3237.9
30°	3708.5	3690.9	3548.7	3334.8	3144.7	3112.0	3029.0	3010.1	3091.9	3385.1
32.5°	4191.7	4180.4	4010.5	3751.3	3497.1	3459.3	3319.7	3269.3	3333.5	3607.8
35°	4596.9	4586.9	4445.9	4179.1	3868.3	3821.8	3679.6	3622.9	3655.6	3893.5
37.5°	4963.1	4958.1	4837.3	4627.1	4306.2	4249.6	4089.8	4070.9	4064.6	4269.7
40°	5302.9	5290.3	5164.5	5053.7	4815.9	4764.3	4623.4	4607.0	4559.2	4732.8
42.5°	5679.1	5646.4	5464.0	5412.4	5348.2	5305.4	5221.1	5223.6	5117.9	5255.1
45°	5986.2	5967.3	5779.8	5749.6	5818.8	5801.2	5874.2	5893.1	5688.0	5802.5
47.5°	6315.9	6298.3	6139.7	6118.3	6305.8	6310.9	6568.8	6575.1	6244.2	6371.3
50°	6722.4	6697.2	6539.9	6566.3	6776.5	6795.3	7267.2	7224.5	6756.3	6948.9
52.5°	6990.4	7005.5	6971.5	7014.3	7301.2	7318.8	7954.3	7844.9	7263.5	7518.9
55°	7188.0	7218.2	7323.9	7422.0	7854.9	7872.5	8602.4	8435.0	7683.8	8047.5
57.5°	7442.2	7399.4	7596.9	7788.2	8380.9	8427.5	9232.9	9003.8	8056.3	8503.0
60°	7807.1	7776.9	7930.4	8213.6	8969.9	9044.1	9899.8	9516.0	8329.3	8864.2
62.5°	8547.0	8471.5	8495.4	8745.9	9712.3	9810.5	10652.3	9962.7	8465.2	9005.1
65°	9653.2	9523.6	9402.7	9576.4	10758.0	10854.9	11501.8	10313.8	8414.9	8732.0
67.5°	11046.2	10917.9	10769.4	10933.0	12298.3	12375.1	12550.0	10511.4	8018.5	7680.0
70°	12195.1	12147.3	12324.7	12998.0	14758.5	14761.0	13894.0	10347.8	6932.5	5445.1
72.5°	12042.9	12013.9	12948.9	15030.3	17859.2	17792.5	15166.2	9109.5	4669.9	2456.4
75°	9879.7	10067.2	11515.6	14993.8	18972.9	18964.1	14387.3	5791.1	1931.6	1018.0
77.5°	5297.9	5594.8	7476.1	11070.1	14811.3	15034.1	10115.0	2026.0	829.3	651.9
80°	1727.8	1987.0	2979.9	5636.4	9624.2	9582.7	4335.2	795.3	567.5	461.8
82.5°	733.6	763.8	1331.4	2661.5	4939.2	4862.4	1380.5	456.8	398.9	315.9
85°	286.9	320.9	587.7	1230.7	2139.3	2092.7	498.3	226.5	255.5	206.4
87.5°	94.4	114.5	210.2	421.6	665.7	641.8	122.1	78.0	110.7	94.4
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°
3102.0	0°	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0	3102.0
3110.8	2.5°	3128.4	3148.5	3172.4	3207.7	3237.9	3263.0	3289.5	3305.8	3312.1	3331.0
3115.8	5°	3151.0	3195.1	3254.2	3312.1	3368.7	3402.7	3432.9	3448.0	3461.9	3471.9
3129.6	7.5°	3188.8	3245.4	3338.5	3414.0	3461.9	3489.5	3509.7	3504.6	3509.7	3512.2
3144.7	10°	3221.5	3300.8	3411.5	3483.2	3519.7	3521.0	3516.0	3498.3	3489.5	3490.8
3167.4	12.5°	3260.5	3348.6	3468.1	3528.5	3538.6	3510.9	3489.5	3459.3	3448.0	3443.0
3201.4	15°	3313.4	3414.0	3529.8	3552.5	3527.3	3492.1	3455.6	3406.5	3381.3	3361.2
3259.3	17.5°	3377.5	3488.3	3577.6	3561.3	3507.2	3449.3	3390.1	3315.9	3264.3	3242.9
3338.5	20°	3466.9	3566.3	3614.1	3542.4	3460.6	3372.5	3271.8	3181.2	3133.4	3112.0
3439.2	22.5°	3575.1	3670.7	3649.4	3509.7	3393.9	3253.0	3127.1	3060.4	3036.5	3021.4
3568.8	25°	3704.7	3786.5	3674.5	3461.9	3284.4	3094.4	2997.5	2976.1	2964.8	2953.5
3727.4	27.5°	3873.3	3917.4	3693.4	3391.4	3113.3	2925.8	2890.5	2894.3	2890.5	2871.7
3947.6	30°	4096.1	4087.3	3711.0	3276.9	2917.0	2773.5	2776.0	2792.4	2794.9	2782.3
4254.6	32.5°	4389.3	4299.9	3719.8	3128.4	2729.5	2640.1	2642.6	2660.3	2672.8	2651.4
4656.1	35°	4744.2	4547.9	3706.0	2942.1	2584.7	2513.0	2494.1	2499.2	2503.0	2482.8
5143.1	37.5°	5158.2	4826.0	3644.3	2735.8	2465.2	2388.4	2348.2	2314.2	2294.1	2275.2
5694.3	40°	5612.5	5129.2	3531.1	2534.4	2331.8	2256.3	2195.9	2131.7	2063.8	2038.6
6278.1	42.5°	6088.1	5441.3	3393.9	2341.9	2178.3	2116.6	2052.4	1959.3	1857.4	1805.8
6884.7	45°	6581.4	5760.9	3259.3	2151.9	2021.0	1994.6	1920.3	1808.3	1697.6	1632.1
7492.5	47.5°	7064.6	6063.0	3061.7	1960.6	1873.8	1902.7	1844.8	1741.6	1618.3	1515.1
8095.3	50°	7526.5	6346.1	2738.3	1766.8	1754.2	1875.0	1819.6	1671.2	1530.2	1398.1
8686.7	52.5°	7984.5	6575.1	2324.3	1590.6	1690.0	1867.5	1786.9	1623.3	1450.9	1312.5
9242.9	55°	8373.4	6693.4	1925.3	1439.6	1596.9	1803.3	1747.9	1566.7	1338.9	1191.7
9624.2	57.5°	8594.9	6597.8	1593.1	1291.1	1468.6	1697.6	1681.2	1445.9	1205.5	1092.3
9698.5	60°	8499.2	6210.2	1321.3	1161.5	1346.5	1583.1	1565.4	1326.4	1103.6	996.7
9300.8	62.5°	7972.0	5471.5	1106.1	1048.2	1235.7	1466.0	1449.7	1234.5	1025.6	922.4
8245.0	65°	6909.9	4451.0	938.8	953.9	1123.7	1325.1	1349.0	1157.7	963.9	863.3
6378.8	67.5°	5270.2	3224.0	807.9	872.1	1014.3	1186.7	1255.9	1102.4	912.3	816.7
3690.9	70°	3003.8	1831.0	697.2	792.8	917.4	1058.3	1184.2	1058.3	857.0	777.7
1383.0	72.5°	1138.9	840.6	602.8	713.5	824.3	950.1	1104.9	989.1	792.8	733.6
714.8	75°	607.8	512.2	507.1	620.4	717.3	844.4	1005.5	921.1	745.0	775.2
494.6	77.5°	414.0	362.4	424.1	531.0	600.3	727.4	899.8	818.0	645.6	643.0
342.3	80°	286.9	256.7	344.8	427.9	464.3	611.6	785.2	702.2	526.0	490.8
211.4	82.5°	172.4	167.4	258.0	319.6	328.4	471.9	650.6	588.9	430.4	375.0
125.8	85°	94.4	99.4	164.9	187.5	191.3	329.7	509.7	455.5	331.0	278.1
45.3	87.5°	26.4	34.0	60.4	74.2	91.9	171.1	303.3	270.6	166.1	115.8
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°
3102.0
3329.7
3474.4
3516.0
3493.3
3440.5
3367.5
3244.1
3109.5
3023.9
2953.5
2875.4
2788.6
2661.5
2496.7
2287.8
2049.9
1812.1
1627.1
1503.8
1386.8
1297.4
1179.1
1077.2
981.6
906.0
846.9
801.6
767.6
723.6
800.3
592.7
469.4
377.5
280.6
115.8
0.0

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