

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: P852539

Luminaire Tested: **GLAN-SB4C-827-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852539
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-827-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23653 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

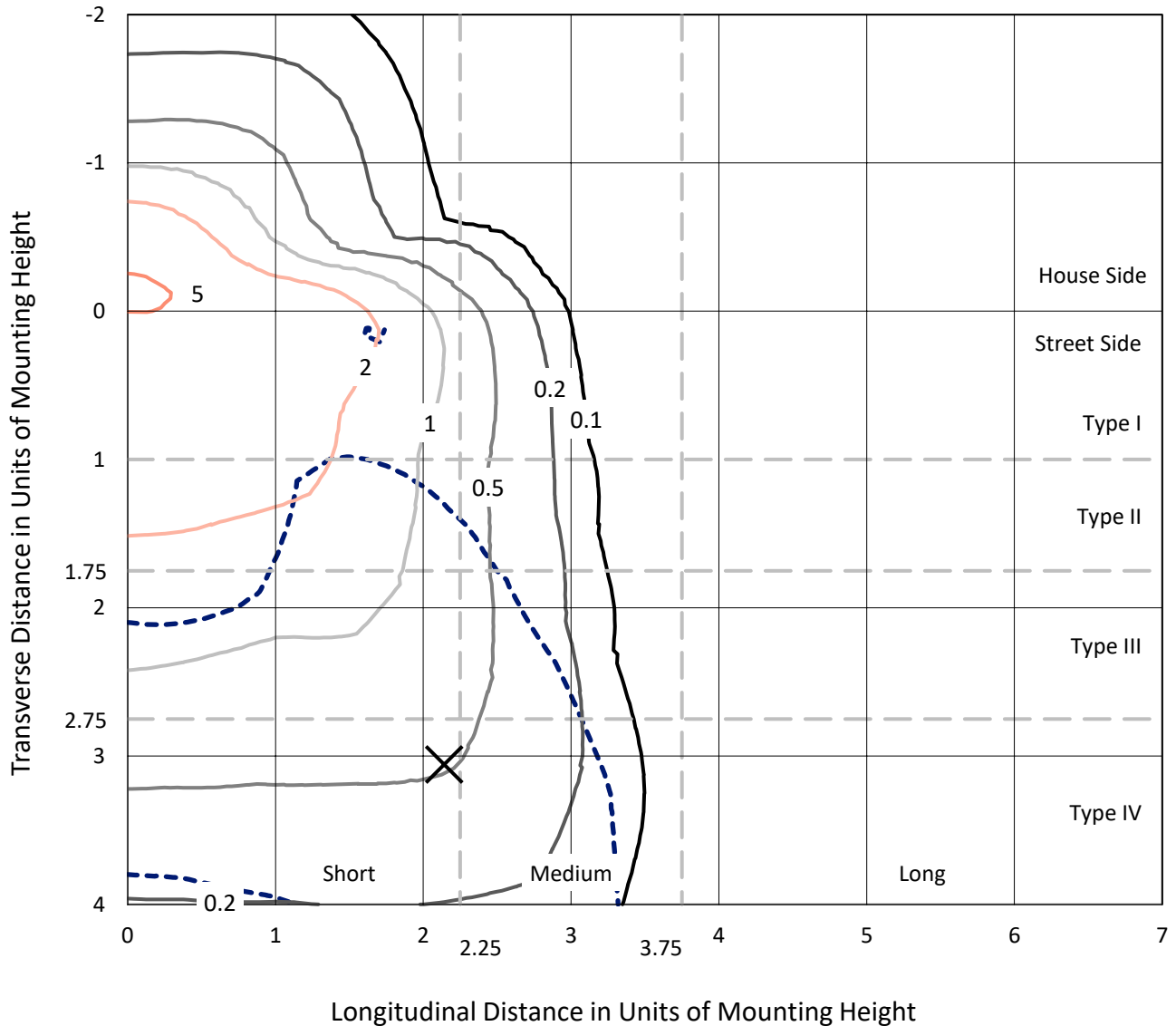
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

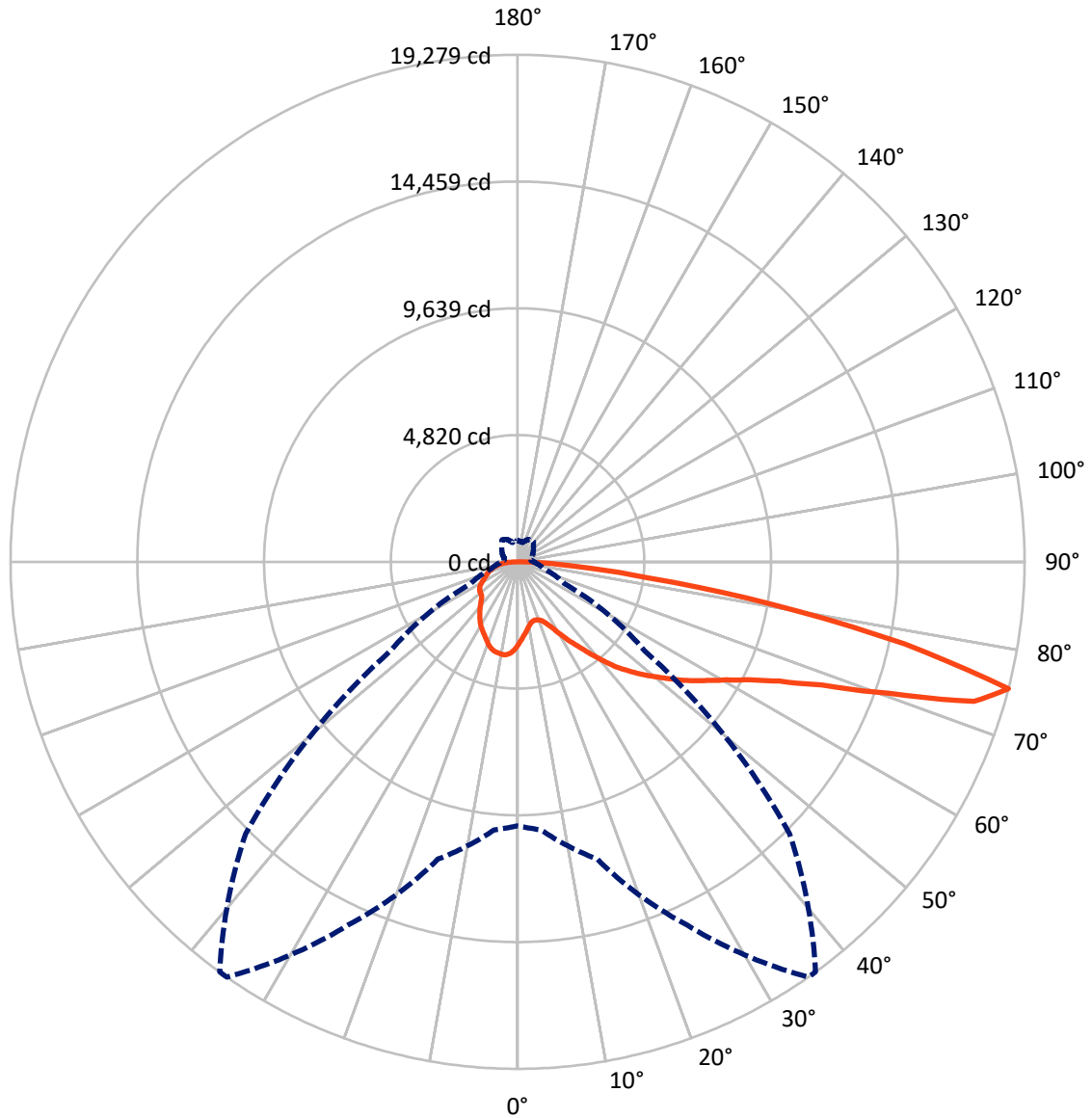
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	5628.8	0.0	5628.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	18024.2	0.0	18024.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	23653.0	0.0	23653.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.4	1.3
10°-20°	860.8	3.6
20°-30°	1445.5	6.1
30°-40°	2246.5	9.5
40°-50°	3334.4	14.1
50°-60°	4603.3	19.5
60°-70°	5584.9	23.6
70°-80°	4615.5	19.5
80°-90°	663.8	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°	23653.0	100.0
0°-180°	23653.0	100.0

Coefficient of Utilization

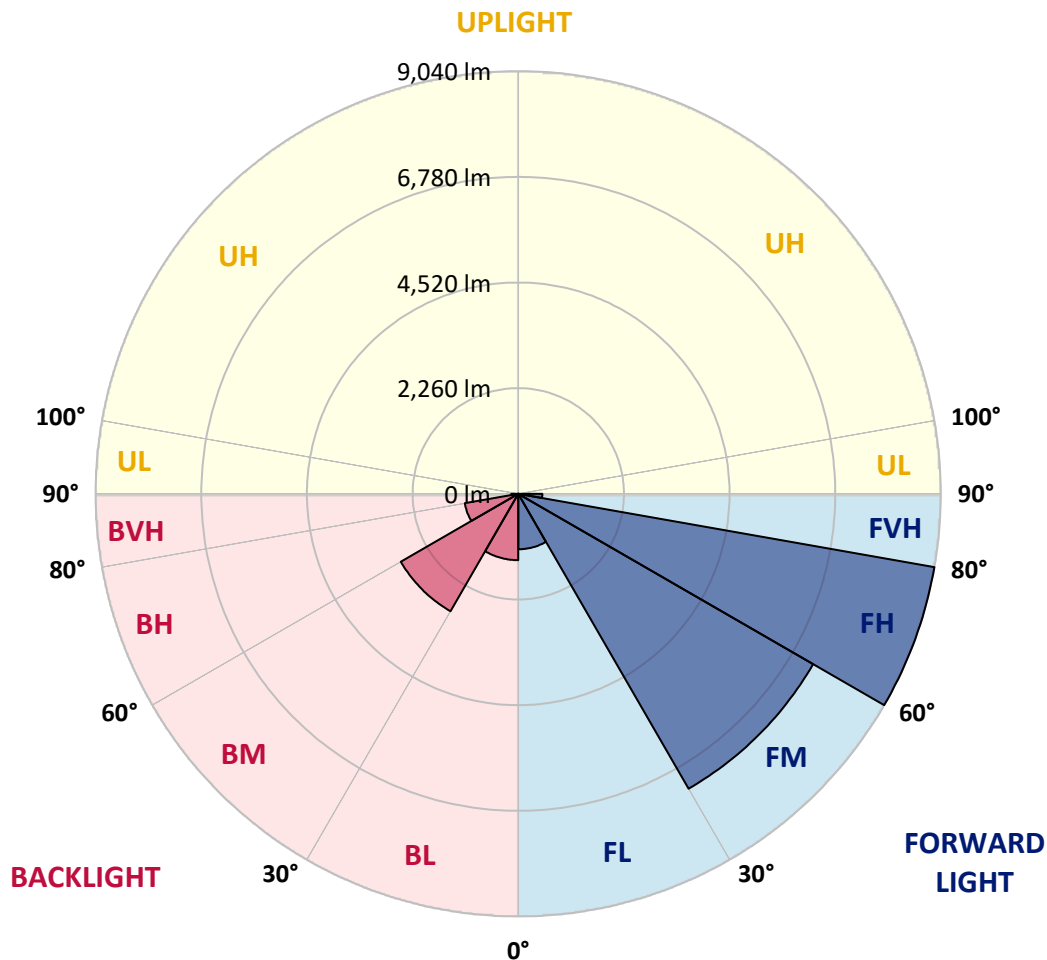


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1186.2	5.0			
FM (30°-60°)	7283.8	30.8			
FH (60°-80°)	9039.8	38.2			G4/12000
FVH (80°-90°)	514.4	2.2			G4/750
BL (0°-30°)	1418.5	6.0	B3/2500		
BM (30°-60°)	2900.3	12.3	B3/5000		
BH (60°-80°)	1160.5	4.9	B3/2500		G3/2500
BVH (80°-90°)	149.5	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°	3151.9	3151.9	3151.9	3151.9	3151.9	3151.9	3151.9	3151.9	3151.9	3151.9
2.5°	2906.4	2924.3	2932.0	2928.2	2947.3	2944.8	2971.6	3004.9	3050.9	3095.7
5°	2682.7	2701.8	2718.5	2733.8	2770.9	2782.4	2824.6	2888.5	2972.9	3058.6
7.5°	2474.2	2490.8	2516.4	2544.6	2607.2	2618.7	2689.0	2788.8	2906.4	3031.7
10°	2304.2	2320.8	2347.6	2379.6	2457.6	2471.7	2561.2	2694.2	2847.6	3006.2
12.5°	2231.3	2236.4	2251.7	2283.7	2351.5	2360.4	2458.9	2611.0	2790.1	2987.0
15°	2227.4	2237.7	2239.0	2255.6	2311.8	2315.7	2406.5	2557.3	2754.3	2983.1
17.5°	2265.8	2273.5	2262.0	2272.2	2319.5	2325.9	2397.5	2531.8	2742.7	2999.8
20°	2368.1	2374.5	2340.0	2325.9	2360.4	2365.5	2435.9	2548.4	2754.3	3034.3
22.5°	2585.5	2589.3	2504.9	2447.4	2449.9	2452.5	2513.9	2616.2	2799.0	3096.9
25°	2924.3	2921.8	2787.5	2676.3	2612.3	2598.3	2639.2	2726.1	2874.5	3180.1
27.5°	3320.7	3301.5	3167.3	3001.0	2861.7	2841.2	2832.3	2869.3	2981.9	3290.0
30°	3768.2	3750.3	3605.9	3388.5	3195.4	3162.2	3077.8	3058.6	3141.7	3439.6
32.5°	4259.3	4247.7	4075.1	3811.7	3553.4	3515.1	3373.1	3322.0	3387.2	3665.9
35°	4671.0	4660.8	4517.5	4246.5	3930.6	3883.3	3738.8	3681.3	3714.5	3956.2
37.5°	5043.1	5038.0	4915.2	4701.7	4375.6	4318.1	4155.7	4136.5	4130.1	4338.5
40°	5388.3	5375.5	5247.7	5135.1	4893.5	4841.0	4697.8	4681.2	4632.6	4809.1
42.5°	5770.6	5737.4	5552.0	5499.6	5434.3	5390.9	5305.2	5307.8	5200.4	5339.7
45°	6082.6	6063.5	5872.9	5842.2	5912.6	5894.7	5968.8	5988.0	5779.6	5895.9
47.5°	6417.6	6399.7	6238.6	6216.9	6407.4	6412.5	6674.7	6681.1	6344.8	6473.9
50°	6830.7	6805.1	6645.2	6672.1	6885.6	6904.8	7384.3	7340.8	6865.2	7060.8
52.5°	7103.0	7118.4	7083.8	7127.3	7418.8	7436.7	8082.5	7971.2	7380.5	7640.1
55°	7303.8	7334.5	7441.9	7541.6	7981.5	7999.4	8741.0	8570.9	7807.6	8177.1
57.5°	7562.1	7518.6	7719.3	7913.7	8515.9	8563.3	9381.6	9148.9	8186.0	8640.0
60°	7932.9	7902.2	8058.2	8345.9	9114.4	9189.8	10059.3	9669.3	8463.5	9007.0
62.5°	8684.7	8608.0	8632.3	8886.8	9868.8	9968.5	10823.9	10123.2	8601.6	9150.2
65°	9808.7	9677.0	9554.2	9730.7	10931.4	11029.8	11687.0	10480.0	8550.5	8872.7
67.5°	11224.2	11093.7	10942.9	11109.1	12496.4	12574.4	12752.2	10680.7	8147.7	7803.7
70°	12391.6	12343.0	12523.3	13207.4	14996.2	14998.8	14117.8	10514.5	7044.2	5532.8
72.5°	12236.9	12207.5	13157.5	15272.4	18146.9	18079.1	15410.5	9256.3	4745.1	2496.0
75°	10038.8	10229.4	11701.1	15235.4	19278.5	19269.6	14619.0	5884.4	1962.8	1034.4
77.5°	5383.2	5685.0	7596.6	11248.5	15049.9	15276.3	10278.0	2058.7	842.6	662.4
80°	1755.6	2019.0	3027.9	5727.2	9779.3	9737.1	4405.0	808.1	576.7	469.3
82.5°	745.5	776.2	1352.8	2704.4	5018.8	4940.8	1402.7	464.2	405.3	320.9
85°	291.5	326.1	597.1	1250.5	2173.7	2126.4	506.4	230.2	259.6	209.7
87.5°	95.9	116.4	213.5	428.4	676.4	652.1	124.0	79.3	112.5	95.9
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°
3151.9	0°	3151.9	3151.9	3151.9	3151.9	3151.9	3151.9	3151.9	3151.9	3151.9	3151.9
3160.9	2.5°	3178.8	3199.2	3223.5	3259.3	3290.0	3315.6	3342.4	3359.1	3365.5	3384.6
3166.0	5°	3201.8	3246.5	3306.6	3365.5	3423.0	3457.5	3488.2	3503.6	3517.6	3527.9
3180.1	7.5°	3240.2	3297.7	3392.3	3469.0	3517.6	3545.8	3566.2	3561.1	3566.2	3568.8
3195.4	10°	3273.4	3354.0	3466.5	3539.4	3576.4	3577.7	3572.6	3554.7	3545.8	3547.0
3218.4	12.5°	3313.0	3402.5	3524.0	3585.4	3595.6	3567.5	3545.8	3515.1	3503.6	3498.4
3252.9	15°	3366.7	3469.0	3586.7	3609.7	3584.1	3548.3	3511.2	3461.4	3435.8	3415.3
3311.8	17.5°	3432.0	3544.5	3635.3	3618.6	3563.7	3504.8	3444.7	3369.3	3316.9	3295.1
3392.3	20°	3522.7	3623.8	3672.3	3599.5	3516.3	3426.8	3324.5	3232.5	3183.9	3162.2
3494.6	22.5°	3632.7	3729.9	3708.1	3566.2	3448.6	3305.4	3177.5	3109.7	3085.4	3070.1
3626.3	25°	3764.4	3847.5	3733.7	3517.6	3337.3	3144.3	3045.8	3024.1	3012.5	3001.0
3787.4	27.5°	3935.7	3980.5	3752.9	3446.0	3163.4	2972.9	2937.1	2940.9	2937.1	2917.9
4011.2	30°	4162.1	4153.1	3770.8	3329.7	2964.0	2818.2	2820.7	2837.4	2839.9	2827.1
4323.2	32.5°	4460.0	4369.2	3779.7	3178.8	2773.4	2682.7	2685.2	2703.1	2715.9	2694.2
4731.1	35°	4820.6	4621.1	3765.7	2989.5	2626.4	2553.5	2534.3	2539.4	2543.3	2522.8
5225.9	37.5°	5241.3	4903.7	3703.0	2779.8	2504.9	2426.9	2386.0	2351.5	2331.0	2311.8
5786.0	40°	5702.9	5211.9	3587.9	2575.2	2369.4	2292.7	2231.3	2166.1	2097.0	2071.4
6379.3	42.5°	6186.2	5529.0	3448.6	2379.6	2213.4	2150.7	2085.5	1990.9	1887.3	1834.9
6995.6	45°	6687.4	5853.8	3311.8	2186.5	2053.5	2026.7	1951.3	1837.4	1724.9	1658.4
7613.2	47.5°	7178.5	6160.6	3111.0	1992.2	1903.9	1933.3	1874.5	1769.7	1644.4	1539.5
8225.7	50°	7647.7	6448.3	2782.4	1795.3	1782.5	1905.2	1849.0	1698.1	1554.9	1420.6
8826.7	52.5°	8113.2	6681.1	2361.7	1616.2	1717.3	1897.5	1815.7	1649.5	1474.3	1333.7
9391.8	55°	8508.3	6801.2	1956.4	1462.8	1622.6	1832.3	1776.1	1591.9	1360.5	1210.9
9779.3	57.5°	8733.3	6704.1	1618.8	1311.9	1492.2	1724.9	1708.3	1469.2	1225.0	1109.9
9854.7	60°	8636.1	6310.2	1342.6	1180.2	1368.2	1608.6	1590.7	1347.7	1121.4	1012.7
9450.7	62.5°	8100.4	5559.7	1124.0	1065.1	1255.7	1489.7	1473.0	1254.4	1042.1	937.3
8377.8	65°	7021.2	4522.7	953.9	969.2	1141.9	1346.4	1370.7	1176.4	979.5	877.2
6481.6	67.5°	5355.1	3276.0	820.9	886.1	1030.6	1205.8	1276.1	1120.1	927.0	829.9
3750.3	70°	3052.2	1860.5	708.4	805.6	932.2	1075.4	1203.2	1075.4	870.8	790.2
1405.3	72.5°	1157.2	854.2	612.5	725.0	837.5	965.4	1122.7	1005.0	805.6	745.5
726.3	75°	617.6	520.4	515.3	630.4	728.8	858.0	1021.7	936.0	757.0	787.7
502.5	77.5°	420.7	368.3	430.9	539.6	609.9	739.1	914.2	831.1	656.0	653.4
347.8	80°	291.5	260.8	350.4	434.7	471.8	621.4	797.9	713.5	534.5	498.7
214.8	82.5°	175.2	170.1	262.1	324.8	333.7	479.5	661.1	598.4	437.3	381.0
127.9	85°	95.9	101.0	167.5	190.5	194.4	335.0	517.9	462.9	336.3	282.6
46.0	87.5°	26.9	34.5	61.4	75.4	93.3	173.9	308.2	274.9	168.8	117.6
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°
3151.9
3383.4
3530.4
3572.6
3549.6
3495.9
3421.7
3296.4
3159.6
3072.6
3001.0
2921.8
2833.5
2704.4
2536.9
2324.6
2083.0
1841.3
1653.3
1528.0
1409.1
1318.3
1198.1
1094.5
997.4
920.6
860.5
814.5
780.0
735.2
813.2
602.3
476.9
383.6
285.1
117.6
0.0

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