

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: P852583

Luminaire Tested: **GLAN-SB4D-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852583
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-SB4D-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25958 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

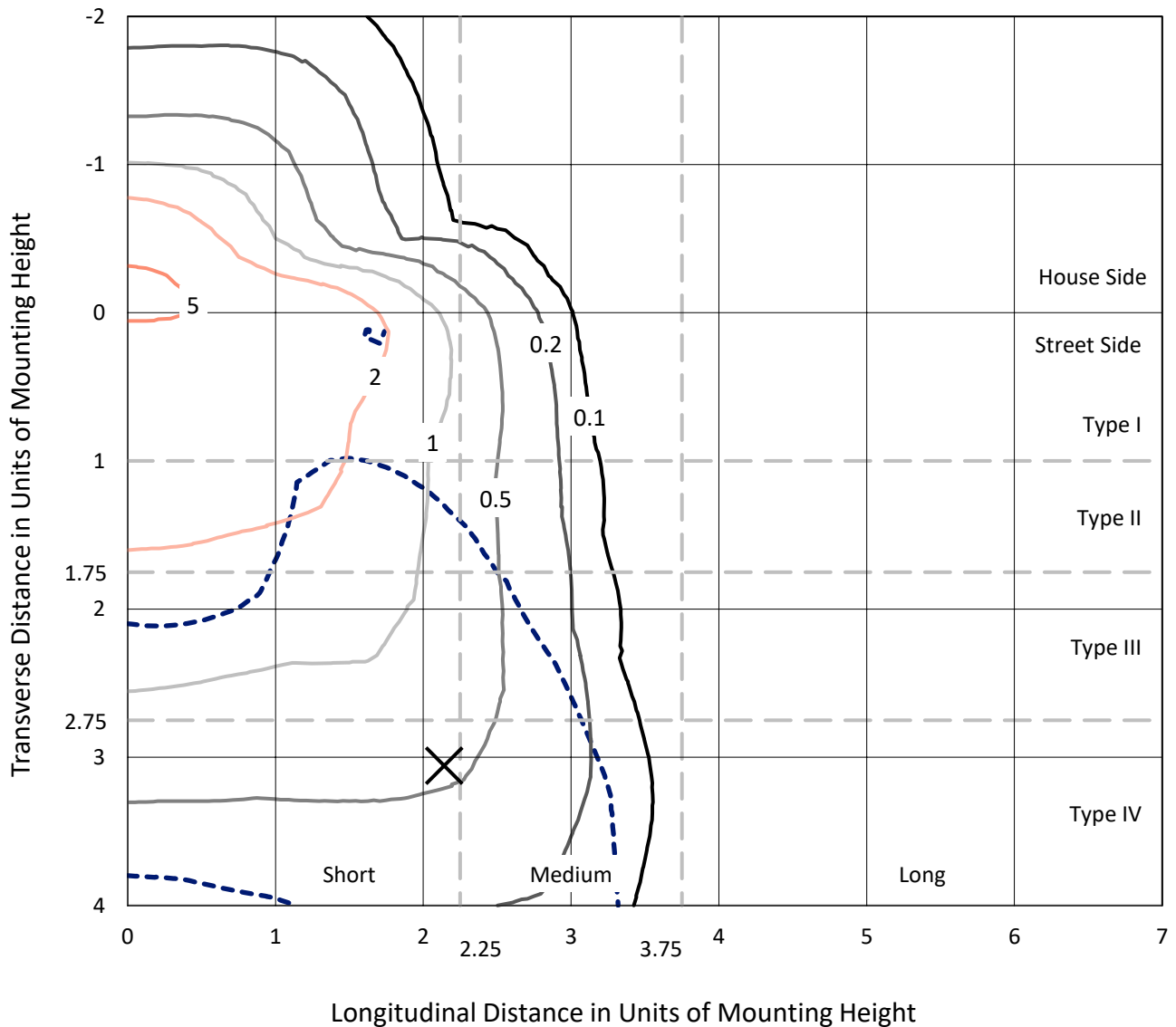
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

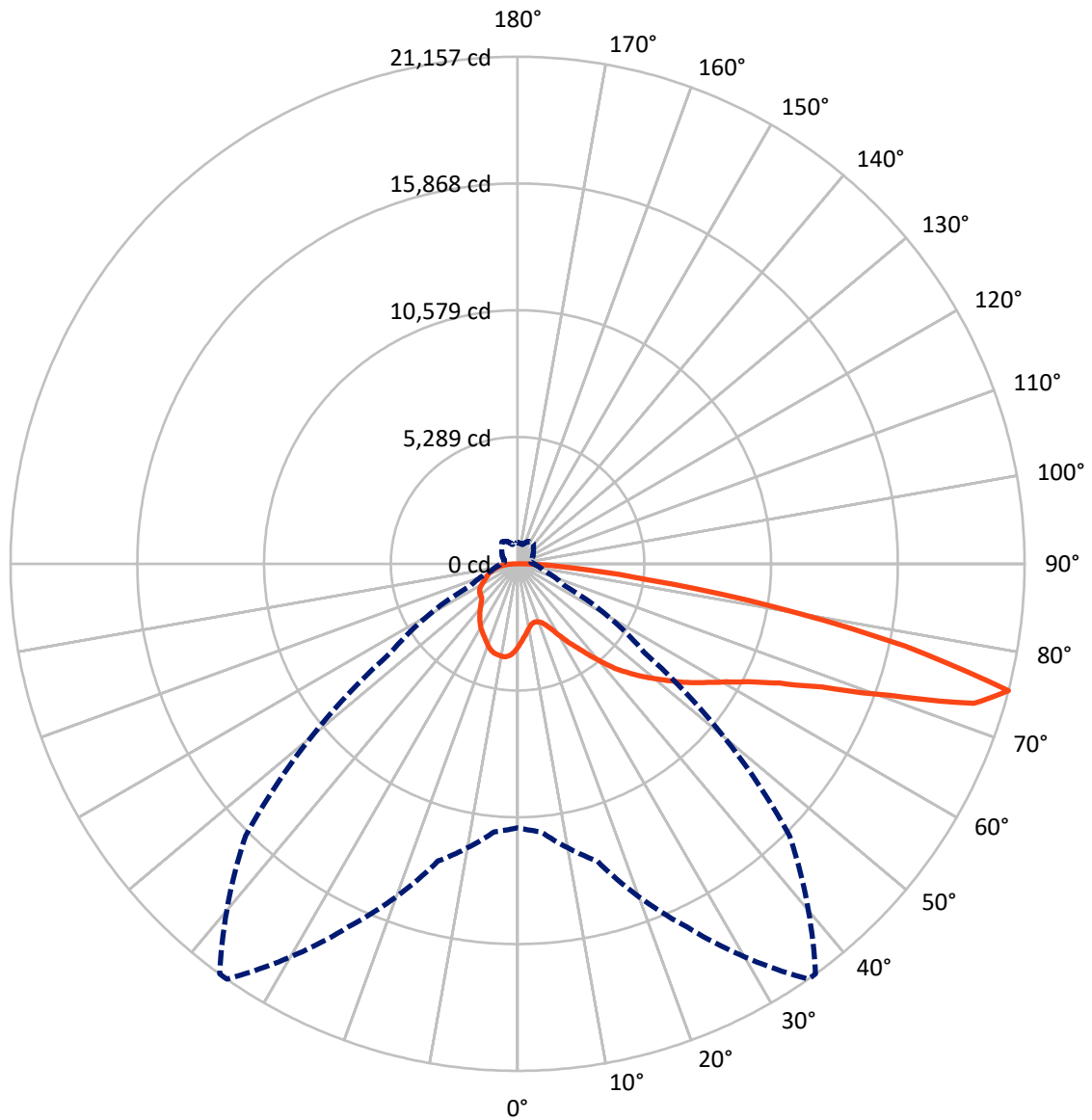
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	6177.4	0.0	6177.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	19780.7	0.0	19780.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	25958.0	0.0	25958.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.5	1.3
10°-20°	944.7	3.6
20°-30°	1586.3	6.1
30°-40°	2465.4	9.5
40°-50°	3659.3	14.1
50°-60°	5051.9	19.5
60°-70°	6129.1	23.6
70°-80°	5065.2	19.5
80°-90°	728.5	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°	25958.0	100.0
0°-180°	25958.0	100.0

Coefficient of Utilization

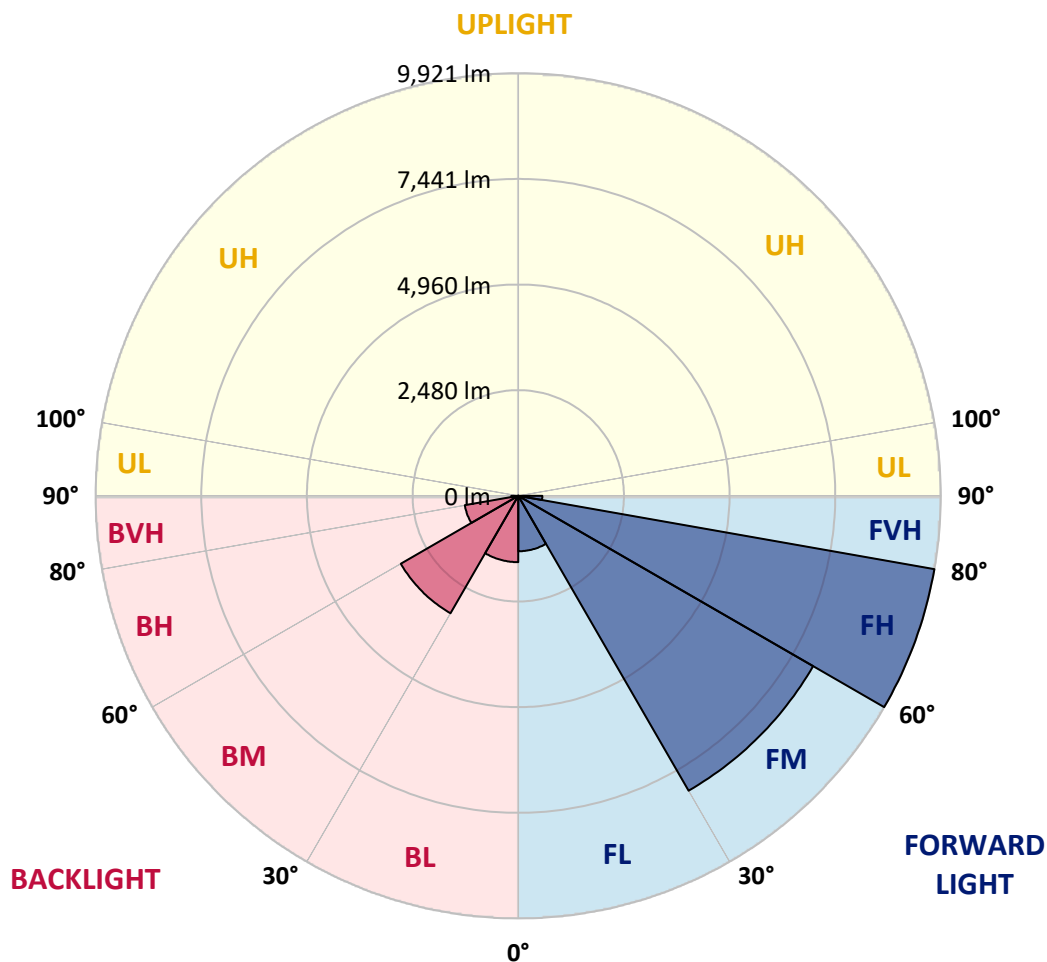


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1301.7	5.0			
FM (30°-60°)	7993.7	30.8			
FH (60°-80°)	9920.8	38.2			G4/12000
FVH (80°-90°)	564.5	2.2			G4/750
BL (0°-30°)	1556.8	6.0	B3/2500		
BM (30°-60°)	3182.9	12.3	B3/5000		
BH (60°-80°)	1273.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	164.0	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°	3459.1	3459.1	3459.1	3459.1	3459.1	3459.1	3459.1	3459.1	3459.1	3459.1
2.5°	3189.6	3209.3	3217.7	3213.5	3234.6	3231.7	3261.2	3297.7	3348.2	3397.3
5°	2944.1	2965.1	2983.4	3000.2	3040.9	3053.5	3099.8	3170.0	3262.6	3356.6
7.5°	2715.3	2733.6	2761.7	2792.5	2861.3	2873.9	2951.1	3060.5	3189.6	3327.2
10°	2528.7	2546.9	2576.4	2611.5	2697.1	2712.5	2810.8	2956.7	3125.1	3299.1
12.5°	2448.7	2454.3	2471.2	2506.3	2580.6	2590.5	2698.5	2865.5	3062.0	3278.1
15°	2444.5	2455.7	2457.1	2475.4	2537.1	2541.3	2641.0	2806.6	3022.7	3273.8
17.5°	2486.6	2495.0	2482.4	2493.6	2545.5	2552.6	2631.1	2778.5	3010.0	3292.1
20°	2598.9	2605.9	2568.0	2552.6	2590.5	2596.1	2673.2	2796.7	3022.7	3330.0
22.5°	2837.4	2841.6	2749.0	2685.9	2688.7	2691.5	2758.8	2871.1	3071.8	3398.7
25°	3209.3	3206.5	3059.1	2937.1	2866.9	2851.5	2896.4	2991.8	3154.6	3490.0
27.5°	3644.3	3623.3	3475.9	3293.5	3140.5	3118.1	3108.3	3149.0	3272.4	3610.6
30°	4135.5	4115.8	3957.2	3718.7	3506.8	3470.3	3377.7	3356.6	3447.9	3774.8
32.5°	4674.3	4661.7	4472.2	4183.2	3899.7	3857.6	3701.8	3645.7	3717.3	4023.2
35°	5126.2	5114.9	4957.8	4660.3	4313.7	4261.8	4103.2	4040.0	4076.5	4341.7
37.5°	5534.5	5528.9	5394.2	5159.9	4802.0	4738.9	4560.7	4539.6	4532.6	4761.3
40°	5913.4	5899.4	5759.1	5635.6	5370.3	5312.8	5155.6	5137.4	5084.1	5277.7
42.5°	6333.0	6296.5	6093.0	6035.5	5963.9	5916.2	5822.2	5825.0	5707.1	5860.1
45°	6675.4	6654.3	6445.3	6411.6	6488.8	6469.1	6550.5	6571.5	6342.8	6470.5
47.5°	7043.0	7023.4	6846.6	6822.7	7031.8	7037.4	7325.1	7332.1	6963.1	7104.8
50°	7496.3	7468.2	7292.8	7322.3	7556.6	7577.7	8103.9	8056.2	7534.2	7748.9
52.5°	7795.2	7812.0	7774.2	7821.9	8141.8	8161.5	8870.1	8748.0	8099.7	8384.6
55°	8015.5	8049.2	8167.1	8276.5	8759.3	8778.9	9592.8	9406.2	8568.4	8974.0
57.5°	8299.0	8251.3	8471.6	8684.9	9345.8	9397.7	10295.8	10040.5	8983.8	9481.9
60°	8705.9	8672.3	8843.5	9159.2	10002.6	10085.4	11039.6	10611.6	9288.3	9884.7
62.5°	9531.1	9446.9	9473.5	9752.8	10830.5	10940.0	11878.7	11109.7	9439.8	10041.9
65°	10764.5	10620.0	10485.3	10678.9	11996.6	12104.7	12826.0	11501.3	9383.7	9737.3
67.5°	12318.0	12174.8	12009.2	12191.7	13714.2	13799.8	13994.9	11721.6	8941.7	8564.2
70°	13599.2	13545.8	13743.7	14494.5	16457.6	16460.4	15493.6	11539.2	7730.7	6072.0
72.5°	13429.4	13397.1	14439.7	16760.7	19915.3	19840.9	16912.3	10158.3	5207.6	2739.2
75°	11017.1	11226.2	12841.4	16720.1	21157.2	21147.4	16043.7	6457.9	2154.0	1135.3
77.5°	5907.8	6239.0	8336.9	12344.6	16516.6	16765.0	11279.5	2259.3	924.8	726.9
80°	1926.7	2215.8	3323.0	6285.3	10732.3	10686.0	4834.3	886.9	632.9	515.0
82.5°	818.1	851.8	1484.7	2967.9	5507.9	5422.3	1539.4	509.4	444.8	352.2
85°	319.9	357.8	655.3	1372.4	2385.6	2333.7	555.7	252.6	284.9	230.1
87.5°	105.2	127.7	234.3	470.1	742.3	715.7	136.1	87.0	123.5	105.2
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°
3459.1	0°	3459.1	3459.1	3459.1	3459.1	3459.1	3459.1	3459.1	3459.1	3459.1	3459.1
3468.9	2.5°	3488.5	3511.0	3537.7	3577.0	3610.6	3638.7	3668.2	3686.4	3693.4	3714.5
3474.5	5°	3513.8	3562.9	3628.9	3693.4	3756.6	3794.5	3828.1	3845.0	3860.4	3871.6
3490.0	7.5°	3555.9	3619.1	3722.9	3807.1	3860.4	3891.3	3913.7	3908.1	3913.7	3916.5
3506.8	10°	3592.4	3680.8	3804.3	3884.3	3925.0	3926.4	3920.8	3901.1	3891.3	3892.7
3532.0	12.5°	3635.9	3734.1	3867.4	3934.8	3946.0	3915.1	3891.3	3857.6	3845.0	3839.4
3569.9	15°	3694.8	3807.1	3936.2	3961.5	3933.4	3894.1	3853.4	3798.7	3770.6	3748.2
3634.5	17.5°	3766.4	3889.9	3989.5	3971.3	3910.9	3846.4	3780.4	3697.6	3640.1	3616.2
3722.9	20°	3866.0	3976.9	4030.2	3950.2	3859.0	3760.8	3648.5	3547.5	3494.2	3470.3
3835.2	22.5°	3986.7	4093.4	4069.5	3913.7	3784.6	3627.5	3487.1	3412.8	3386.1	3369.3
3979.7	25°	4131.2	4222.5	4097.6	3860.4	3662.6	3450.7	3342.6	3318.8	3306.1	3293.5
4156.5	27.5°	4319.3	4368.4	4118.6	3781.8	3471.7	3262.6	3223.3	3227.5	3223.3	3202.3
4402.1	30°	4567.7	4557.8	4138.3	3654.1	3252.8	3092.8	3095.6	3113.9	3116.7	3102.6
4744.5	32.5°	4894.6	4795.0	4148.1	3488.5	3043.7	2944.1	2946.9	2966.5	2980.6	2956.7
5192.1	35°	5290.4	5071.4	4132.7	3280.9	2882.3	2802.3	2781.3	2786.9	2791.1	2768.7
5735.2	37.5°	5752.0	5381.6	4063.9	3050.7	2749.0	2663.4	2618.5	2580.6	2558.2	2537.1
6349.8	40°	6258.6	5719.8	3937.6	2826.2	2600.3	2516.1	2448.7	2377.2	2301.4	2273.3
7001.0	42.5°	6789.1	6067.8	3784.6	2611.5	2429.1	2360.3	2288.7	2184.9	2071.2	2013.7
7677.3	45°	7339.1	6424.2	3634.5	2399.6	2253.7	2224.2	2141.4	2016.5	1893.0	1820.1
8355.1	47.5°	7878.0	6761.0	3414.2	2186.3	2089.5	2121.8	2057.2	1942.1	1804.6	1689.5
9027.3	50°	8393.0	7076.7	3053.5	1970.2	1956.2	2090.9	2029.1	1863.6	1706.4	1559.0
9686.8	52.5°	8903.8	7332.1	2591.9	1773.7	1884.6	2082.5	1992.7	1810.2	1618.0	1463.6
10307.1	55°	9337.4	7464.0	2147.0	1605.3	1780.8	2010.9	1949.2	1747.1	1493.1	1328.9
10732.3	57.5°	9584.4	7357.4	1776.5	1439.8	1637.6	1893.0	1874.8	1612.4	1344.3	1218.0
10815.1	60°	9477.7	6925.2	1473.4	1295.2	1501.5	1765.3	1745.7	1479.1	1230.7	1111.4
10371.6	62.5°	8889.8	6101.5	1233.5	1168.9	1378.0	1634.8	1616.6	1376.6	1143.7	1028.6
9194.3	65°	7705.4	4963.4	1046.8	1063.7	1253.1	1477.7	1504.3	1291.0	1074.9	962.6
7113.2	67.5°	5876.9	3595.2	900.9	972.5	1131.0	1323.3	1400.5	1229.3	1017.4	910.7
4115.8	70°	3349.6	2041.8	777.4	884.1	1023.0	1180.2	1320.5	1180.2	955.6	867.2
1542.2	72.5°	1270.0	937.4	672.2	795.7	919.1	1059.5	1232.1	1103.0	884.1	818.1
797.1	75°	677.8	571.1	565.5	691.8	799.9	941.6	1121.2	1027.2	830.7	864.4
551.5	77.5°	461.7	404.1	472.9	592.2	669.4	811.1	1003.3	912.1	719.9	717.1
381.7	80°	319.9	286.3	384.5	477.1	517.8	682.0	875.6	783.0	586.6	547.3
235.8	82.5°	192.2	186.6	287.7	356.4	366.3	526.2	725.5	656.7	479.9	418.2
140.3	85°	105.2	110.9	183.8	209.1	213.3	367.7	568.3	508.0	369.1	310.1
50.5	87.5°	29.5	37.9	67.4	82.8	102.4	190.8	338.2	301.7	185.2	129.1
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°
3459.1
3713.1
3874.4
3920.8
3895.5
3836.6
3755.2
3617.6
3467.5
3372.1
3293.5
3206.5
3109.7
2967.9
2784.1
2551.2
2285.9
2020.7
1814.4
1676.9
1546.4
1446.8
1314.9
1201.2
1094.6
1010.4
944.4
893.9
856.0
806.9
892.5
660.9
523.4
421.0
312.9
129.1
0.0

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