

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: P852685

Luminaire Tested: **GLAN-SB5C-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852685
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-SB5C-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 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: 24079 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

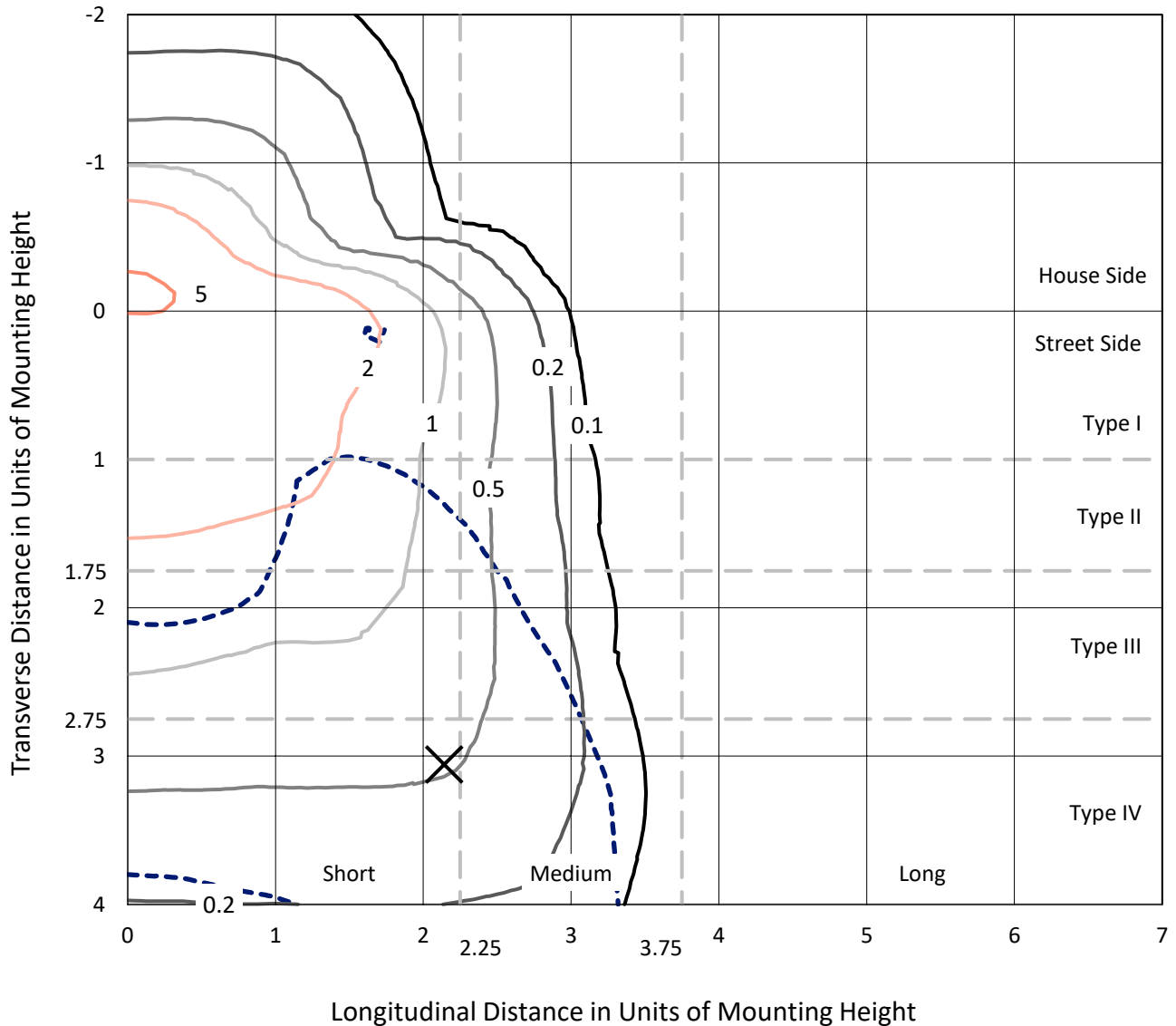
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

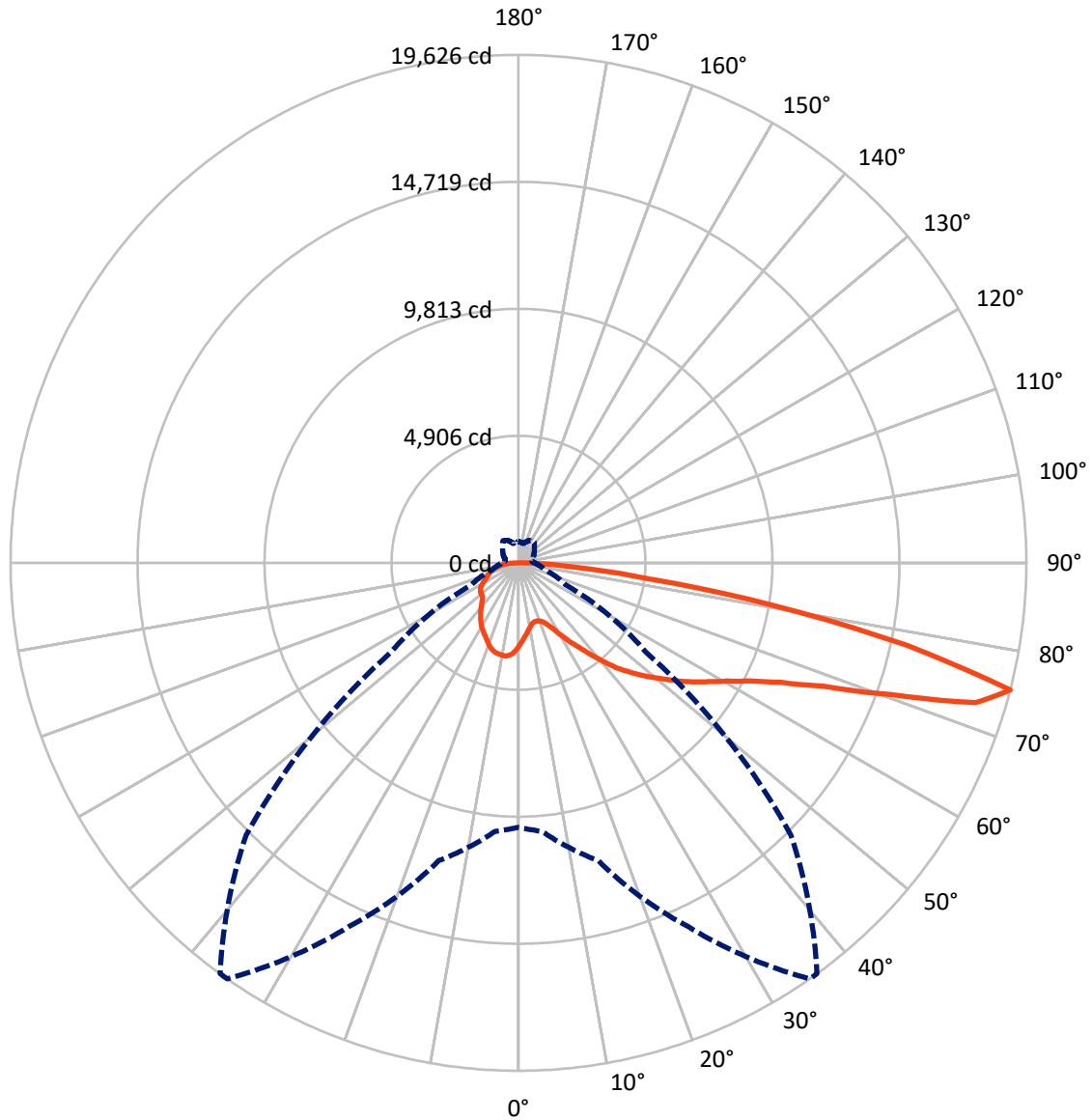
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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	5730.2	0.0	5730.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	18348.8	0.0	18348.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	24079.0	0.0	24079.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.8	1.3
10°-20°	876.3	3.6
20°-30°	1471.5	6.1
30°-40°	2286.9	9.5
40°-50°	3394.4	14.1
50°-60°	4686.2	19.5
60°-70°	5685.4	23.6
70°-80°	4698.6	19.5
80°-90°	675.8	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°	24079.0	100.0
0°-180°	24079.0	100.0

Coefficient of Utilization



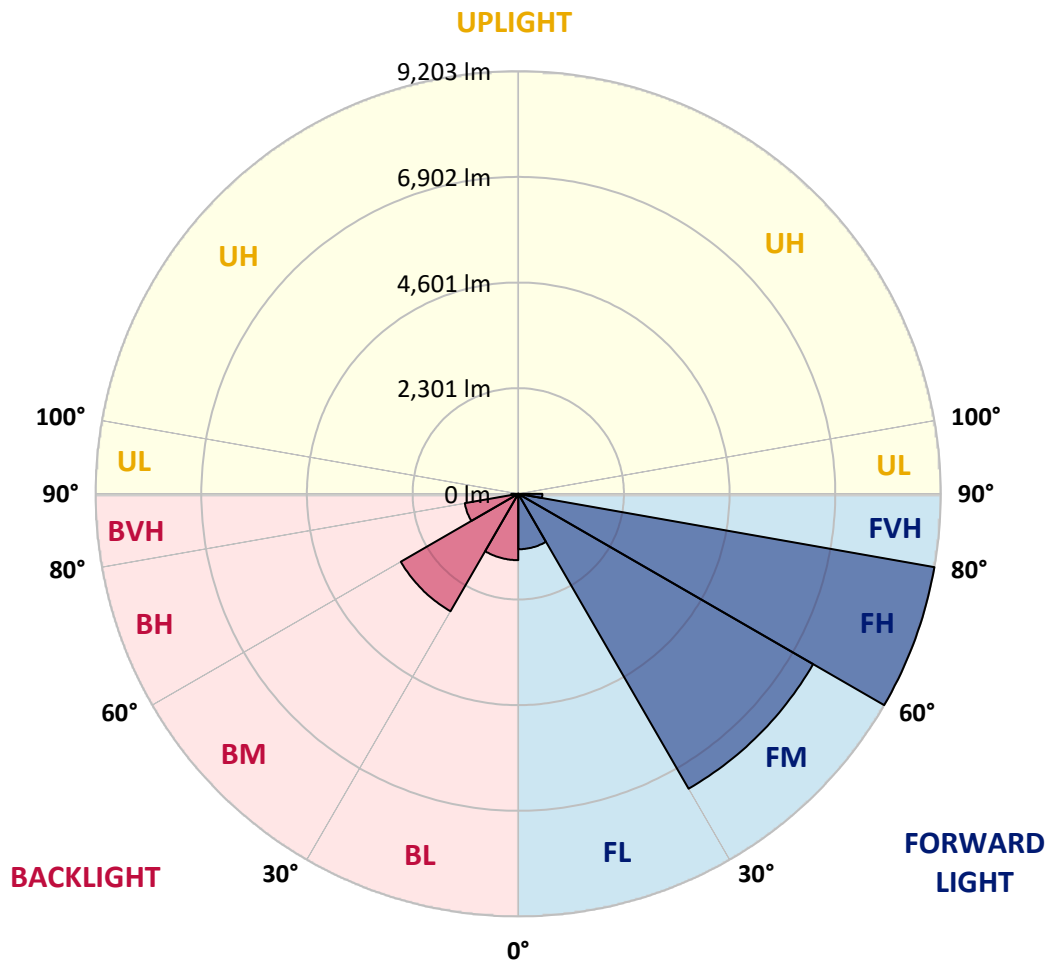
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1207.5	5.0			
FM (30°-60°)	7415.0	30.8			
FH (60°-80°)	9202.6	38.2			G4/12000
FVH (80°-90°)	523.6	2.2			G4/750
BL (0°-30°)	1444.1	6.0	B3/2500		
BM (30°-60°)	2952.5	12.3	B3/5000		
BH (60°-80°)	1181.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	152.2	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°	3208.7	3208.7	3208.7	3208.7	3208.7	3208.7	3208.7	3208.7	3208.7	3208.7
2.5°	2958.8	2977.0	2984.8	2980.9	3000.4	2997.8	3025.1	3059.0	3105.9	3151.4
5°	2731.0	2750.5	2767.4	2783.0	2820.8	2832.5	2875.5	2940.5	3026.5	3113.7
7.5°	2518.8	2535.7	2561.7	2590.4	2654.2	2665.9	2737.5	2839.0	2958.8	3086.3
10°	2345.7	2362.6	2389.9	2422.5	2501.9	2516.2	2607.3	2742.7	2898.9	3060.3
12.5°	2271.5	2276.7	2292.3	2324.8	2393.8	2402.9	2503.2	2658.1	2840.3	3040.8
15°	2267.6	2278.0	2279.3	2296.2	2353.5	2357.4	2449.8	2603.4	2803.9	3036.9
17.5°	2306.6	2314.4	2302.7	2313.1	2361.3	2367.8	2440.7	2577.4	2792.1	3053.8
20°	2410.7	2417.3	2382.1	2367.8	2402.9	2408.1	2479.7	2594.3	2803.9	3088.9
22.5°	2632.0	2635.9	2550.0	2491.5	2494.1	2496.7	2559.1	2663.3	2849.4	3152.7
25°	2977.0	2974.4	2837.7	2724.5	2659.4	2645.1	2686.7	2775.2	2926.2	3237.3
27.5°	3380.5	3361.0	3224.3	3055.1	2913.2	2892.4	2883.3	2921.0	3035.6	3349.3
30°	3836.1	3817.9	3670.8	3449.5	3252.9	3219.1	3133.2	3113.7	3198.3	3501.6
32.5°	4336.0	4324.2	4148.5	3880.4	3617.4	3578.4	3433.9	3381.8	3448.2	3732.0
35°	4755.1	4744.7	4598.9	4322.9	4001.4	3953.3	3806.2	3747.6	3781.4	4027.5
37.5°	5133.9	5128.7	5003.7	4786.3	4454.4	4395.8	4230.5	4211.0	4204.5	4416.7
40°	5485.4	5472.3	5342.2	5227.6	4981.6	4928.2	4782.4	4765.5	4716.1	4895.7
42.5°	5874.6	5840.7	5652.0	5598.6	5532.2	5488.0	5400.8	5403.4	5294.0	5435.9
45°	6192.2	6172.7	5978.7	5947.5	6019.1	6000.8	6076.3	6095.9	5883.7	6002.1
47.5°	6533.2	6515.0	6351.0	6328.9	6522.8	6528.0	6794.9	6801.4	6459.0	6590.5
50°	6953.7	6927.6	6764.9	6792.3	7009.7	7029.2	7517.3	7473.1	6988.8	7188.0
52.5°	7230.9	7246.6	7211.4	7255.7	7552.5	7570.7	8228.0	8114.8	7513.4	7777.7
55°	7435.3	7466.5	7575.9	7677.4	8125.2	8143.4	8898.4	8725.3	7948.2	8324.4
57.5°	7698.3	7654.0	7858.4	8056.2	8669.3	8717.5	9550.6	9313.7	8333.5	8795.6
60°	8075.7	8044.5	8203.3	8496.2	9278.5	9355.3	10240.5	9843.5	8615.9	9169.2
62.5°	8841.1	8763.0	8787.8	9046.8	10046.5	10148.1	11018.9	10305.6	8756.5	9315.0
65°	9985.3	9851.3	9726.3	9905.9	11128.2	11228.5	11897.5	10668.7	8704.5	9032.5
67.5°	11426.3	11293.5	11139.9	11309.2	12721.5	12800.9	12981.9	10873.1	8294.4	7944.3
70°	12614.8	12565.3	12748.8	13445.3	15266.3	15268.9	14372.1	10703.9	7171.1	5632.5
72.5°	12457.3	12427.3	13394.5	15547.5	18473.7	18404.7	15688.1	9423.0	4830.6	2540.9
75°	10219.6	10413.6	11911.9	15509.8	19625.7	19616.6	14882.3	5990.4	1998.1	1053.1
77.5°	5480.2	5787.4	7733.4	11451.1	15321.0	15551.4	10463.1	2095.7	857.8	674.3
80°	1787.2	2055.4	3082.4	5830.3	9955.4	9912.4	4484.4	822.7	587.1	477.7
82.5°	758.9	790.1	1377.2	2753.1	5109.2	5029.8	1428.0	472.5	412.6	326.7
85°	296.8	331.9	607.9	1273.1	2212.9	2164.7	515.5	234.3	264.2	213.5
87.5°	97.6	118.5	217.4	436.1	688.6	663.9	126.3	80.7	114.5	97.6
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°
3208.7	0°	3208.7	3208.7	3208.7	3208.7	3208.7	3208.7	3208.7	3208.7	3208.7	3208.7
3217.8	2.5°	3236.0	3256.9	3281.6	3318.0	3349.3	3375.3	3402.6	3419.6	3426.1	3445.6
3223.0	5°	3259.5	3305.0	3366.2	3426.1	3484.6	3519.8	3551.0	3566.7	3581.0	3591.4
3237.3	7.5°	3298.5	3357.1	3453.4	3531.5	3581.0	3609.6	3630.4	3625.2	3630.4	3633.0
3252.9	10°	3332.4	3414.4	3528.9	3603.1	3640.9	3642.2	3636.9	3618.7	3609.6	3610.9
3276.4	12.5°	3372.7	3463.8	3587.5	3650.0	3660.4	3631.7	3609.6	3578.4	3566.7	3561.5
3311.5	15°	3427.4	3531.5	3651.3	3674.7	3648.7	3612.2	3574.5	3523.7	3497.7	3476.8
3371.4	17.5°	3493.8	3608.3	3700.7	3683.8	3627.8	3568.0	3506.8	3430.0	3376.6	3354.5
3453.4	20°	3586.2	3689.0	3738.5	3664.3	3579.7	3488.6	3384.4	3290.7	3241.2	3219.1
3557.5	22.5°	3698.1	3797.1	3774.9	3630.4	3510.7	3364.9	3234.7	3165.7	3141.0	3125.4
3691.6	25°	3832.2	3916.8	3801.0	3581.0	3397.4	3200.9	3100.6	3078.5	3066.8	3055.1
3855.6	27.5°	4006.6	4052.2	3820.5	3508.1	3220.4	3026.5	2990.0	2993.9	2990.0	2970.5
4083.4	30°	4237.0	4227.9	3838.7	3389.6	3017.3	2868.9	2871.5	2888.5	2891.1	2878.1
4401.0	32.5°	4540.3	4447.9	3847.8	3236.0	2823.4	2731.0	2733.6	2751.8	2764.8	2742.7
4816.3	35°	4907.4	4704.3	3833.5	3043.4	2673.7	2599.5	2580.0	2585.2	2589.1	2568.3
5320.0	37.5°	5335.7	4992.0	3769.7	2829.9	2550.0	2470.6	2429.0	2393.8	2373.0	2353.5
5890.2	40°	5805.6	5305.7	3652.6	2621.6	2412.0	2333.9	2271.5	2205.1	2134.8	2108.8
6494.2	42.5°	6297.6	5628.5	3510.7	2422.5	2253.2	2189.5	2123.1	2026.7	1921.3	1867.9
7121.6	45°	6807.9	5959.2	3371.4	2225.9	2090.5	2063.2	1986.4	1870.5	1756.0	1688.3
7750.3	47.5°	7307.7	6271.6	3167.0	2028.0	1938.2	1968.2	1908.3	1801.6	1674.0	1567.2
8373.8	50°	7785.5	6564.5	2832.5	1827.6	1814.6	1939.5	1882.3	1728.7	1582.9	1446.2
8985.6	52.5°	8259.3	6801.4	2404.2	1645.3	1748.2	1931.7	1848.4	1679.2	1500.9	1357.7
9561.0	55°	8661.5	6923.7	1991.6	1489.1	1651.9	1865.3	1808.1	1620.6	1385.0	1232.7
9955.4	57.5°	8890.6	6824.8	1648.0	1335.5	1519.1	1756.0	1739.1	1495.7	1247.0	1129.9
10032.2	60°	8791.7	6423.9	1366.8	1201.5	1392.8	1637.5	1619.3	1372.0	1141.6	1030.9
9620.9	62.5°	8246.3	5659.8	1144.2	1084.3	1278.3	1516.5	1499.6	1277.0	1060.9	954.1
8528.7	65°	7147.6	4604.1	971.1	986.7	1162.4	1370.7	1395.4	1197.6	997.1	893.0
6598.3	67.5°	5451.5	3335.0	835.7	902.1	1049.2	1227.5	1299.1	1140.3	943.7	844.8
3817.9	70°	3107.2	1894.0	721.1	820.1	948.9	1094.7	1224.9	1094.7	886.5	804.5
1430.6	72.5°	1178.0	869.5	623.5	738.1	852.6	982.8	1142.9	1023.1	820.1	758.9
739.4	75°	628.7	529.8	524.6	641.7	742.0	873.4	1040.1	952.8	770.6	801.8
511.6	77.5°	428.3	374.9	438.7	549.3	620.9	752.4	930.7	846.1	667.8	665.2
354.1	80°	296.8	265.5	356.7	442.6	480.3	632.6	812.3	726.3	544.1	507.7
218.7	82.5°	178.3	173.1	266.8	330.6	339.7	488.1	673.0	609.2	445.2	387.9
130.2	85°	97.6	102.8	170.5	194.0	197.9	341.0	527.2	471.2	342.3	287.7
46.9	87.5°	27.3	35.1	62.5	76.8	95.0	177.0	313.7	279.9	171.8	119.8
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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<u>180°</u>
3208.7
3444.3
3594.0
3636.9
3613.5
3558.8
3483.3
3355.8
3216.5
3128.0
3055.1
2974.4
2884.6
2753.1
2582.6
2366.5
2120.5
1874.4
1683.1
1555.5
1434.5
1342.1
1219.7
1114.3
1015.3
937.2
876.0
829.2
794.0
748.5
827.9
613.1
485.5
390.5
290.3
119.8
0.0

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