

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: P852731

Luminaire Tested: **GLAN-SB6A-727-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852731
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-SB6A-727-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23910 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

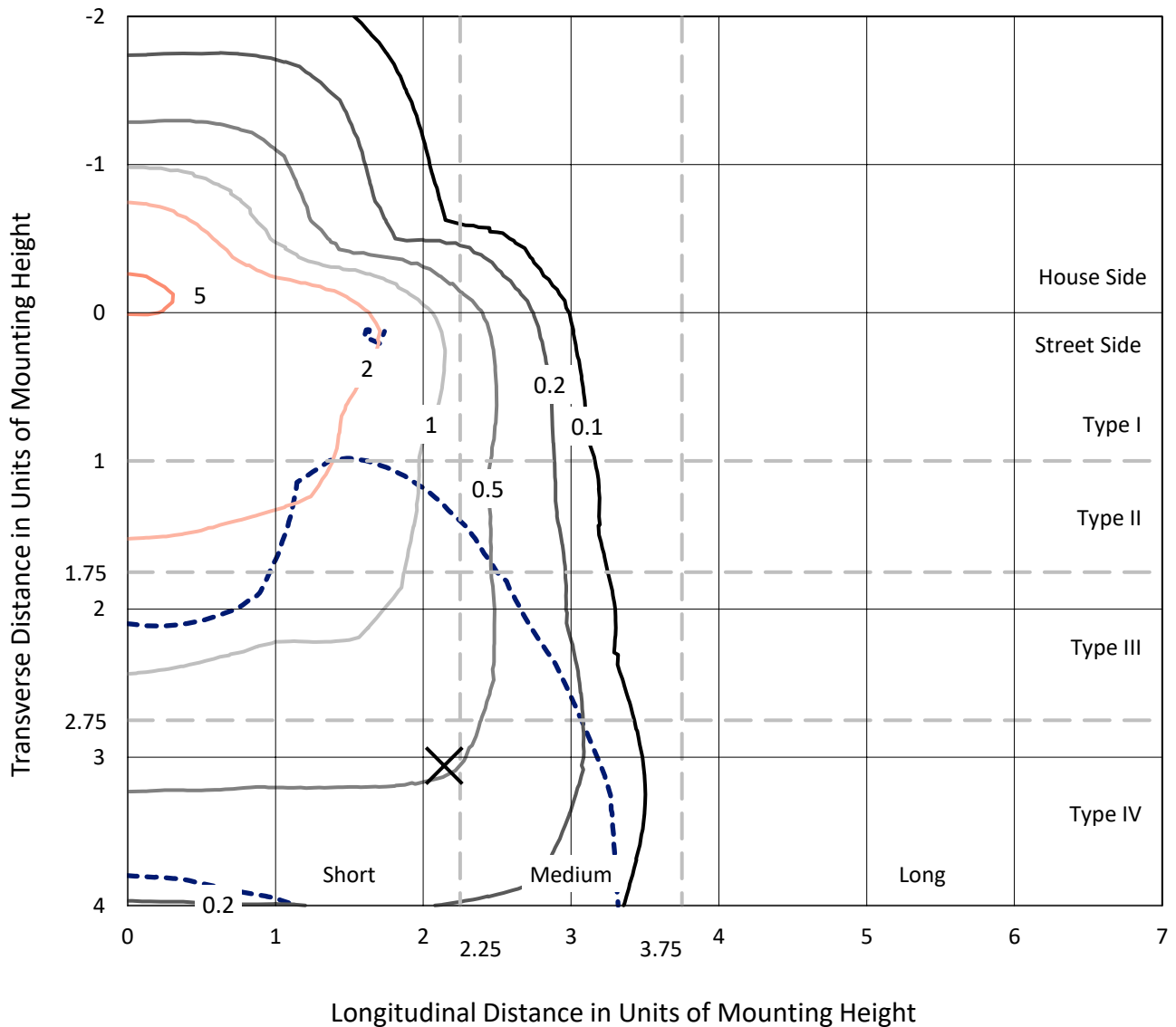
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

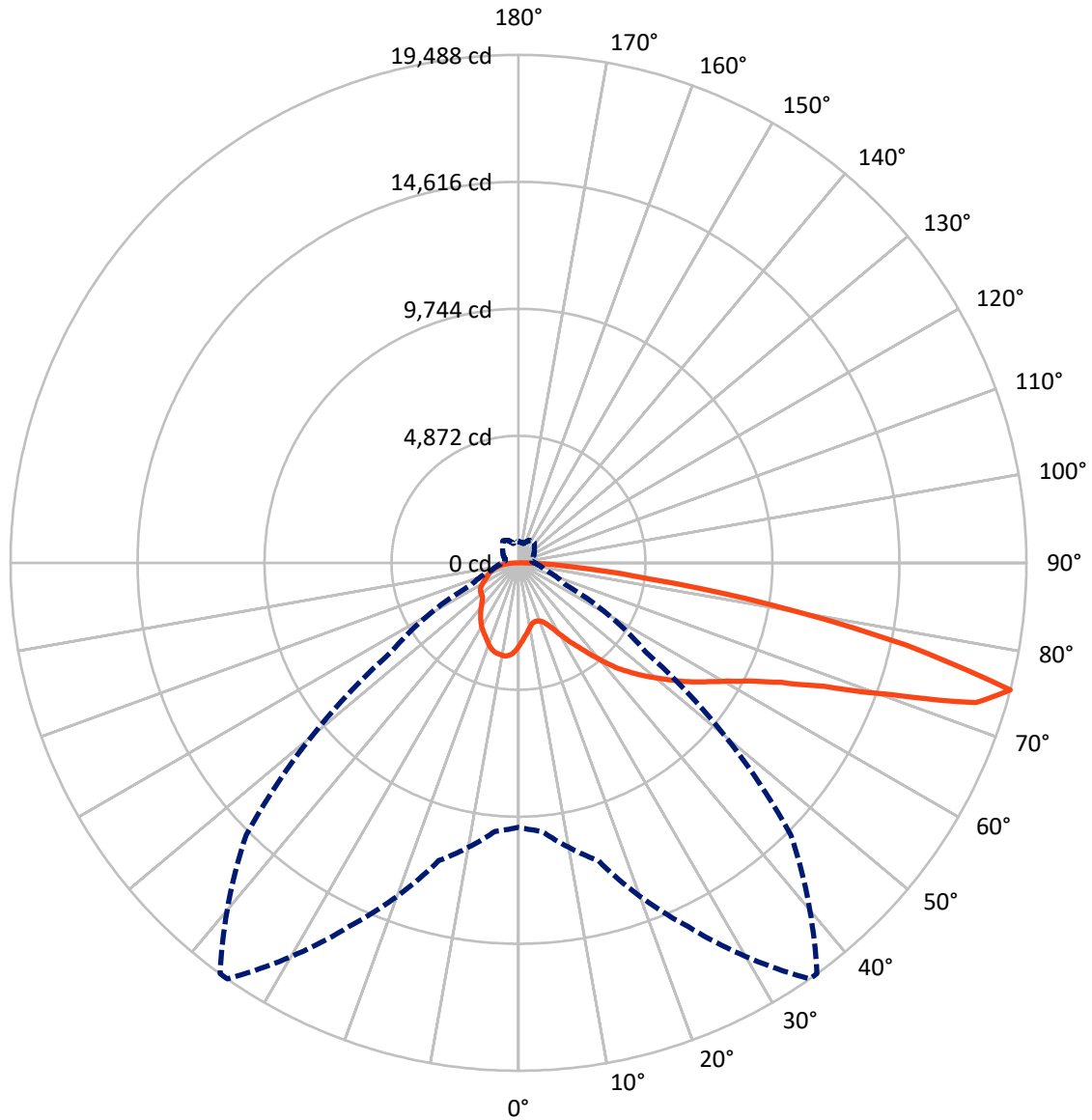
✕ Max cd
 - - - 1/2 Max cd



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	5690.0	0.0	5690.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	18220.0	0.0	18220.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	23910.0	0.0	23910.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.7	1.3
10°-20°	870.1	3.6
20°-30°	1461.2	6.1
30°-40°	2270.9	9.5
40°-50°	3370.6	14.1
50°-60°	4653.3	19.5
60°-70°	5645.5	23.6
70°-80°	4665.6	19.5
80°-90°	671.1	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°	23910.0	100.0
0°-180°	23910.0	100.0

Coefficient of Utilization

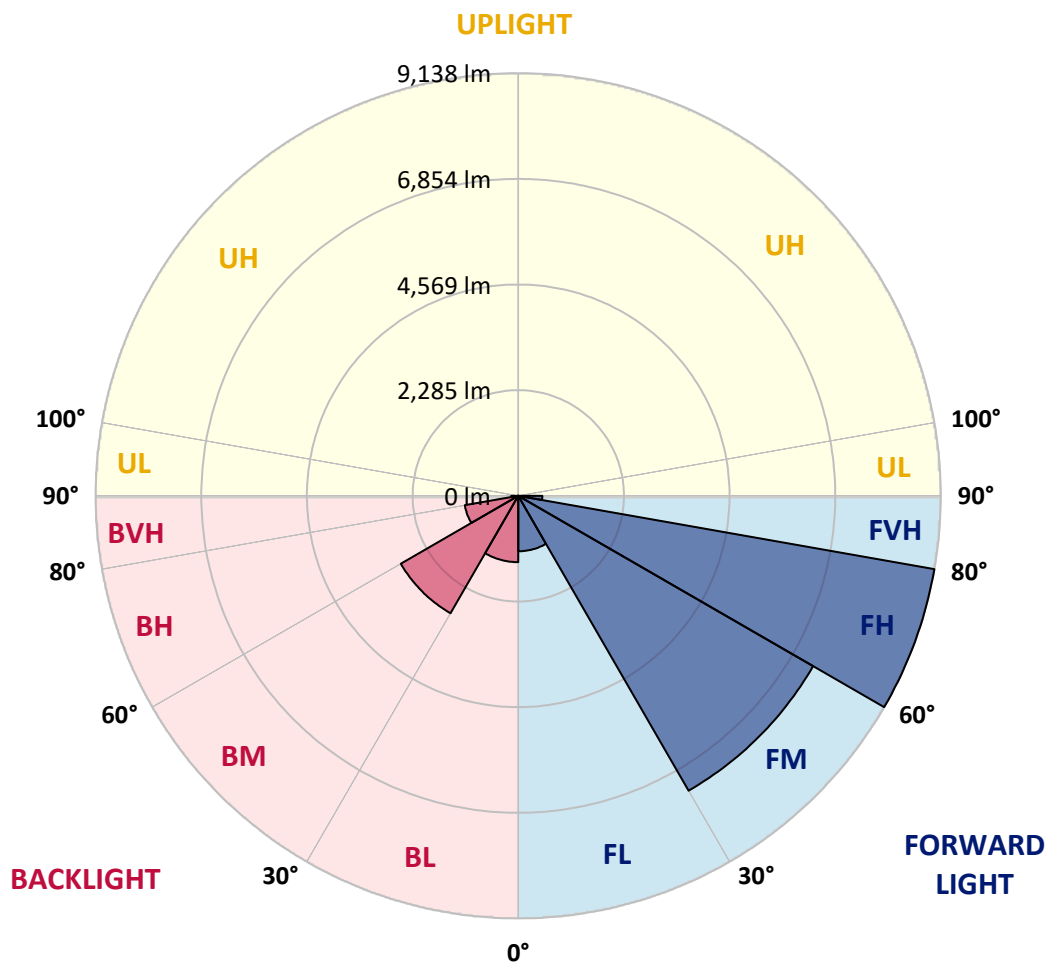


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1199.0	5.0			
FM (30°-60°)	7363.0	30.8			
FH (60°-80°)	9138.0	38.2			G4/12000
FVH (80°-90°)	520.0	2.2			G4/750
BL (0°-30°)	1434.0	6.0	B3/2500		
BM (30°-60°)	2931.8	12.3	B3/5000		
BH (60°-80°)	1173.1	4.9	B3/2500		G3/2500
BVH (80°-90°)	151.1	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°	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2
2.5°	2938.0	2956.1	2963.8	2960.0	2979.4	2976.8	3003.9	3037.5	3084.1	3129.3
5°	2711.8	2731.2	2748.0	2763.5	2801.0	2812.6	2855.3	2919.9	3005.2	3091.8
7.5°	2501.1	2517.9	2543.8	2572.2	2635.5	2647.2	2718.3	2819.1	2938.0	3064.7
10°	2329.2	2346.0	2373.1	2405.5	2484.3	2498.5	2589.0	2723.4	2878.5	3038.8
12.5°	2255.5	2260.7	2276.2	2308.5	2377.0	2386.1	2485.6	2639.4	2820.4	3019.4
15°	2251.6	2262.0	2263.3	2280.1	2337.0	2340.8	2432.6	2585.1	2784.2	3015.6
17.5°	2290.4	2298.2	2286.5	2296.9	2344.7	2351.2	2423.6	2559.3	2772.5	3032.4
20°	2393.8	2400.3	2365.4	2351.2	2386.1	2391.2	2462.3	2576.1	2784.2	3067.3
22.5°	2613.6	2617.4	2532.1	2474.0	2476.6	2479.1	2541.2	2644.6	2829.4	3130.6
25°	2956.1	2953.5	2817.8	2705.3	2640.7	2626.5	2667.9	2755.7	2905.7	3214.6
27.5°	3356.8	3337.4	3201.7	3033.6	2892.8	2872.1	2863.0	2900.5	3014.3	3325.8
30°	3809.2	3791.1	3645.0	3425.3	3230.1	3196.5	3111.2	3091.8	3175.8	3477.0
32.5°	4305.5	4293.9	4119.4	3853.1	3592.0	3553.3	3409.8	3358.1	3424.0	3705.8
35°	4721.7	4711.4	4566.6	4292.6	3973.3	3925.5	3779.5	3721.3	3754.9	3999.2
37.5°	5097.9	5092.7	4968.6	4752.8	4423.2	4365.0	4200.8	4181.4	4175.0	4385.7
40°	5446.9	5433.9	5304.7	5190.9	4946.6	4893.6	4748.9	4732.1	4683.0	4861.3
42.5°	5833.3	5799.7	5612.3	5559.3	5493.4	5449.4	5362.8	5365.4	5256.9	5397.7
45°	6148.7	6129.3	5936.7	5905.7	5976.8	5958.7	6033.7	6053.1	5842.4	5960.0
47.5°	6487.4	6469.3	6306.4	6284.4	6477.0	6482.2	6747.2	6753.6	6413.7	6544.2
50°	6904.9	6879.0	6717.5	6744.6	6960.5	6979.8	7464.6	7420.6	6939.8	7137.5
52.5°	7180.2	7195.7	7160.8	7204.7	7499.5	7517.5	8170.3	8057.8	7460.7	7723.1
55°	7383.1	7414.1	7522.7	7623.5	8068.2	8086.3	8836.0	8664.1	7892.4	8265.9
57.5°	7644.2	7600.3	7803.2	7999.7	8608.5	8656.3	9483.5	9248.3	8275.0	8733.9
60°	8019.1	7988.0	8145.7	8436.6	9213.4	9289.7	10168.6	9774.4	8555.5	9104.8
62.5°	8779.1	8701.5	8726.1	8983.3	9976.0	10076.8	10941.6	10233.2	8695.1	9249.6
65°	9915.3	9782.1	9658.0	9836.4	11050.1	11149.7	11814.0	10593.9	8643.4	8969.1
67.5°	11346.1	11214.3	11061.8	11229.8	12632.2	12711.1	12890.7	10796.8	8236.2	7888.5
70°	12526.2	12477.1	12659.4	13350.9	15159.2	15161.8	14271.2	10628.8	7120.7	5592.9
72.5°	12369.8	12340.1	13300.5	15438.4	18344.1	18275.6	15578.0	9356.9	4796.7	2523.1
75°	10147.9	10340.5	11828.2	15400.9	19488.0	19478.9	14777.9	5948.4	1984.1	1045.7
77.5°	5441.7	5746.7	7679.1	11370.7	15213.5	15442.3	10389.6	2081.0	851.8	669.5
80°	1774.7	2041.0	3060.8	5789.4	9885.5	9842.9	4452.9	816.9	582.9	474.4
82.5°	753.6	784.6	1367.5	2733.8	5073.3	4994.5	1417.9	469.2	409.7	324.4
85°	294.7	329.6	603.6	1264.1	2197.4	2149.5	511.9	232.7	262.4	212.0
87.5°	96.9	117.6	215.9	433.0	683.8	659.2	125.4	80.1	113.7	96.9
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°
3186.2	0°	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2	3186.2
3195.2	2.5°	3213.3	3234.0	3258.6	3294.7	3325.8	3351.6	3378.8	3395.6	3402.0	3421.4
3200.4	5°	3236.6	3281.8	3342.6	3402.0	3460.2	3495.1	3526.1	3541.6	3555.8	3566.2
3214.6	7.5°	3275.4	3333.5	3429.2	3506.7	3555.8	3584.3	3605.0	3599.8	3605.0	3607.5
3230.1	10°	3309.0	3390.4	3504.1	3577.8	3615.3	3616.6	3611.4	3593.3	3584.3	3585.6
3253.4	12.5°	3349.0	3439.5	3562.3	3624.3	3634.7	3606.3	3584.3	3553.3	3541.6	3536.5
3288.3	15°	3403.3	3506.7	3625.6	3648.9	3623.1	3586.9	3549.4	3499.0	3473.1	3452.4
3347.7	17.5°	3469.2	3583.0	3674.8	3658.0	3602.4	3542.9	3482.2	3405.9	3352.9	3330.9
3429.2	20°	3561.0	3663.1	3712.2	3638.6	3554.5	3464.1	3360.7	3267.6	3218.5	3196.5
3532.6	22.5°	3672.2	3770.4	3748.4	3605.0	3486.0	3341.3	3212.0	3143.5	3119.0	3103.4
3665.7	25°	3805.3	3889.3	3774.3	3555.8	3373.6	3178.4	3078.9	3056.9	3045.3	3033.6
3828.6	27.5°	3978.5	4023.8	3793.7	3483.5	3197.8	3005.2	2969.0	2972.9	2969.0	2949.6
4054.8	30°	4207.3	4198.2	3811.8	3365.8	2996.2	2848.8	2851.4	2868.2	2870.8	2857.9
4370.2	32.5°	4508.5	4416.7	3820.8	3213.3	2803.6	2711.8	2714.4	2732.5	2745.4	2723.4
4782.5	35°	4873.0	4671.3	3806.6	3022.0	2654.9	2581.2	2561.9	2567.0	2570.9	2550.2
5282.7	37.5°	5298.2	4957.0	3743.3	2810.0	2532.1	2453.3	2411.9	2377.0	2356.3	2337.0
5848.9	40°	5764.8	5268.5	3626.9	2603.2	2395.1	2317.6	2255.5	2189.6	2119.8	2094.0
6448.6	42.5°	6253.4	5589.0	3486.0	2405.5	2237.4	2174.1	2108.2	2012.5	1907.8	1854.8
7071.6	45°	6760.1	5917.4	3347.7	2210.3	2075.9	2048.7	1972.5	1857.4	1743.7	1676.5
7695.9	47.5°	7256.5	6227.6	3144.8	2013.8	1924.6	1954.4	1894.9	1788.9	1662.2	1556.2
8315.1	50°	7730.8	6518.4	2812.6	1814.8	1801.8	1925.9	1869.0	1716.5	1571.8	1436.0
8922.6	52.5°	8201.3	6753.6	2387.4	1633.8	1735.9	1918.2	1835.4	1667.4	1490.3	1348.1
9493.9	55°	8600.7	6875.1	1977.6	1478.7	1640.3	1852.2	1795.4	1609.2	1375.3	1224.1
9885.5	57.5°	8828.2	6776.9	1636.4	1326.2	1508.4	1743.7	1726.9	1485.2	1238.3	1121.9
9961.8	60°	8730.0	6378.8	1357.2	1193.0	1383.0	1626.0	1607.9	1362.4	1133.6	1023.7
9553.3	62.5°	8188.4	5620.1	1136.2	1076.7	1269.3	1505.8	1489.0	1268.0	1053.4	947.4
8468.9	65°	7097.5	4571.8	964.3	979.8	1154.3	1361.1	1385.6	1189.2	990.1	886.7
6552.0	67.5°	5413.3	3311.5	829.8	895.7	1041.8	1218.9	1290.0	1132.3	937.1	838.9
3791.1	70°	3085.3	1880.7	716.1	814.3	942.3	1087.0	1216.3	1087.0	880.2	798.8
1420.5	72.5°	1169.8	863.4	619.1	732.9	846.6	975.9	1134.9	1016.0	814.3	753.6
734.2	75°	624.3	526.1	520.9	637.2	736.8	867.3	1032.8	946.2	765.2	796.2
508.0	77.5°	425.3	372.3	435.6	545.5	616.6	747.1	924.2	840.2	663.1	660.5
351.6	80°	294.7	263.7	354.2	439.5	477.0	628.2	806.6	721.3	540.3	504.1
217.2	82.5°	177.1	171.9	265.0	328.3	337.4	484.7	668.3	604.9	442.1	385.2
129.3	85°	96.9	102.1	169.3	192.6	196.5	338.7	523.5	467.9	339.9	285.7
46.5	87.5°	27.1	34.9	62.0	76.3	94.4	175.8	311.5	277.9	170.6	118.9
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°
3186.2
3420.1
3568.8
3611.4
3588.2
3533.9
3458.9
3332.2
3193.9
3106.0
3033.6
2953.5
2864.3
2733.8
2564.4
2349.9
2105.6
1861.3
1671.3
1544.6
1424.4
1332.6
1211.1
1106.4
1008.2
930.6
869.9
823.4
788.5
743.2
822.1
608.8
482.1
387.8
288.2
118.9
0.0

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