

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: P852747

Luminaire Tested: **GLAN-SB6A-835-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852747
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-835-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22261 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

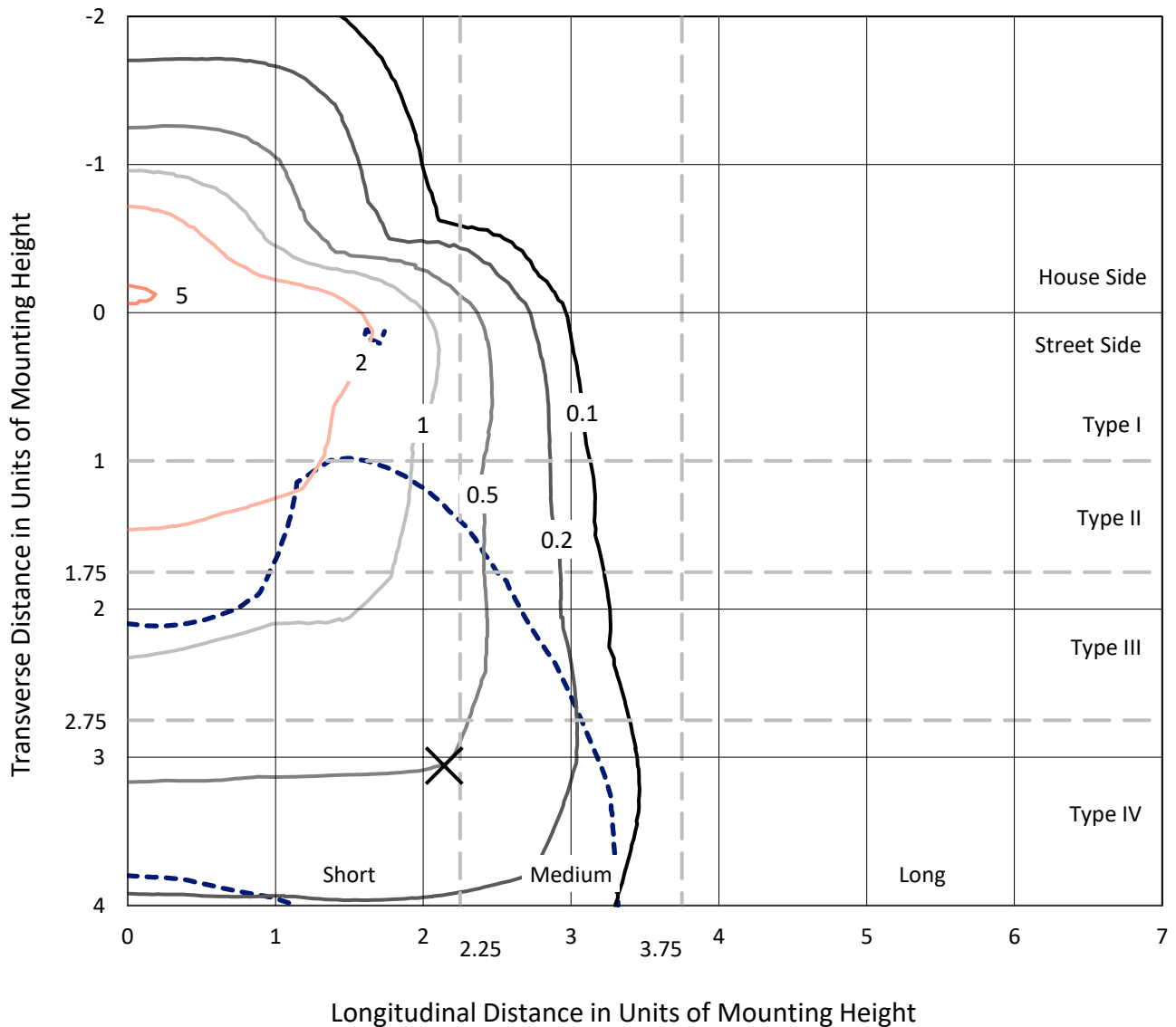
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

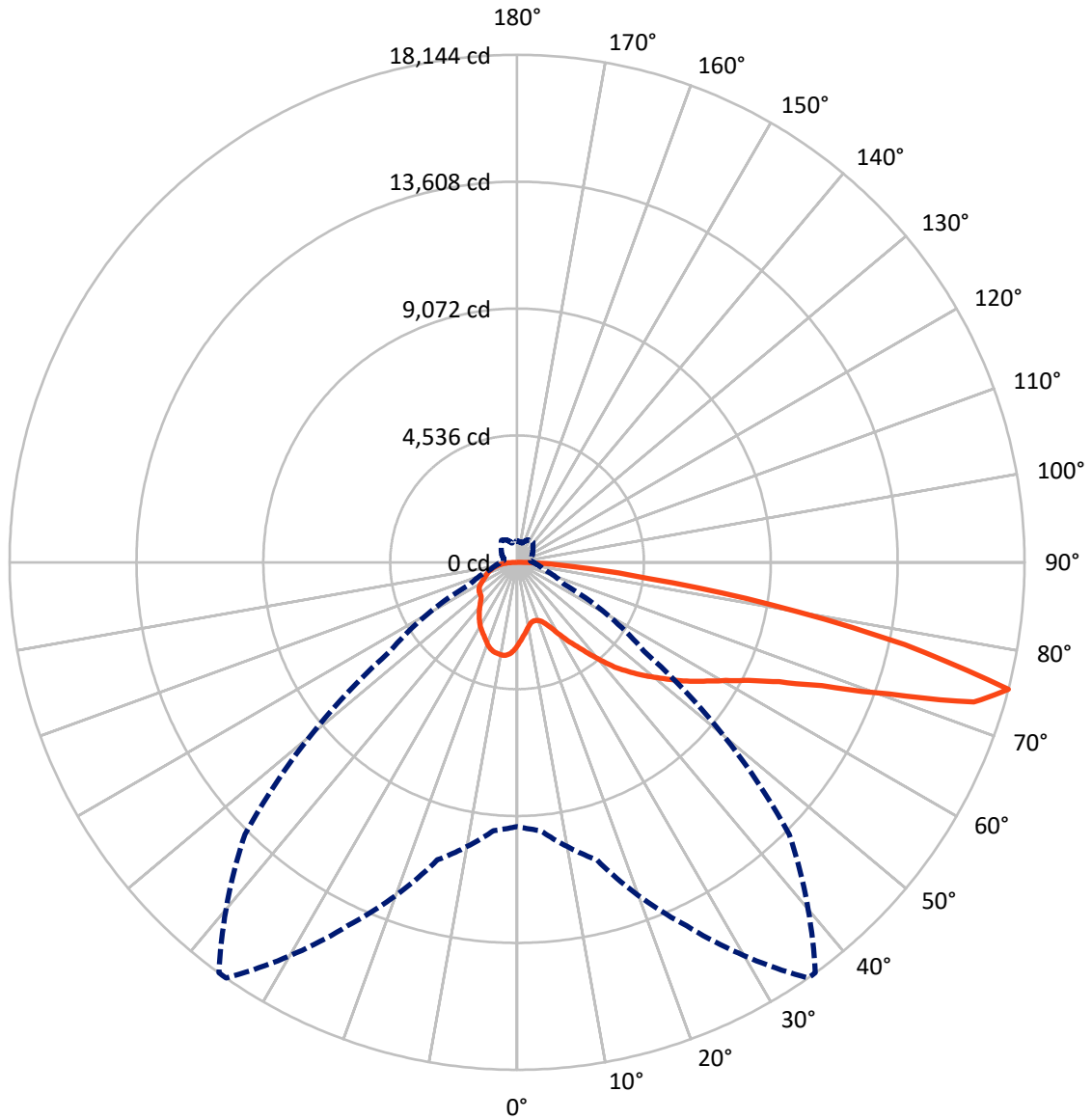
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	5297.6	0.0	5297.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	16963.4	0.0	16963.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	22261.0	0.0	22261.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.9	1.3
10°-20°	810.1	3.6
20°-30°	1360.4	6.1
30°-40°	2114.3	9.5
40°-50°	3138.1	14.1
50°-60°	4332.4	19.5
60°-70°	5256.2	23.6
70°-80°	4343.8	19.5
80°-90°	624.8	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°	22261.0	100.0
0°-180°	22261.0	100.0

Coefficient of Utilization

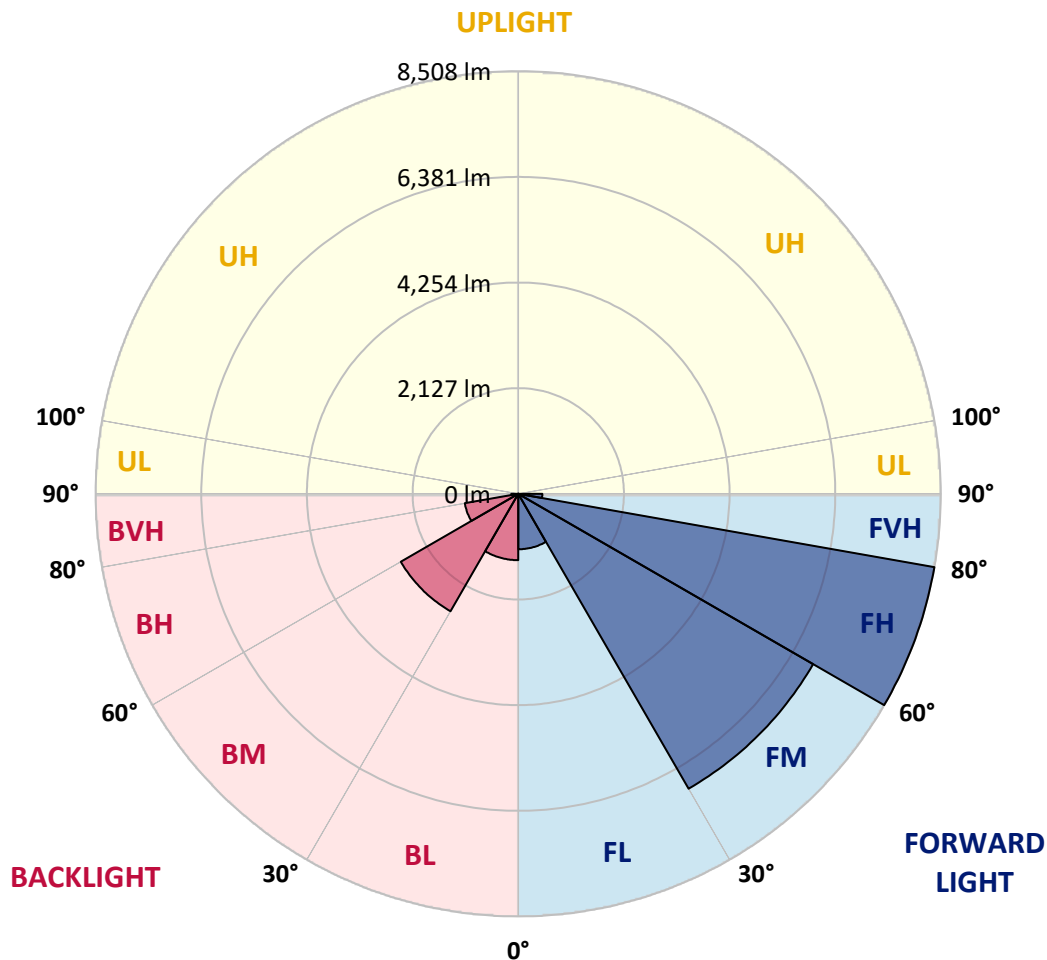


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1116.3	5.0			
FM (30°-60°)	6855.2	30.8			
FH (60°-80°)	8507.8	38.2			G4/12000
FVH (80°-90°)	484.1	2.2			G3/500
BL (0°-30°)	1335.1	6.0	B3/2500		
BM (30°-60°)	2729.6	12.3	B3/5000		
BH (60°-80°)	1092.2	4.9	B3/2500		G3/2500
BVH (80°-90°)	140.7	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°	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4
2.5°	2735.4	2752.2	2759.4	2755.8	2773.9	2771.5	2796.7	2828.0	2871.4	2913.5
5°	2524.8	2542.8	2558.5	2572.9	2607.8	2618.6	2658.4	2718.5	2798.0	2878.6
7.5°	2328.6	2344.3	2368.3	2394.8	2453.8	2464.6	2530.8	2624.7	2735.4	2853.3
10°	2168.6	2184.2	2209.5	2239.6	2313.0	2326.2	2410.4	2535.6	2680.0	2829.2
12.5°	2100.0	2104.8	2119.2	2149.3	2213.1	2221.5	2314.2	2457.4	2625.9	2811.2
15°	2096.4	2106.0	2107.2	2122.8	2175.8	2179.4	2264.8	2406.8	2592.2	2807.6
17.5°	2132.5	2139.7	2128.8	2138.5	2183.0	2189.0	2256.4	2382.8	2581.3	2823.2
20°	2228.7	2234.7	2202.3	2189.0	2221.5	2226.3	2292.5	2398.4	2592.2	2855.7
22.5°	2433.3	2436.9	2357.5	2303.3	2305.8	2308.2	2365.9	2462.2	2634.3	2914.7
25°	2752.2	2749.8	2623.5	2518.8	2458.6	2445.3	2483.9	2565.7	2705.3	2992.9
27.5°	3125.3	3107.2	2980.9	2824.4	2693.3	2674.0	2665.6	2700.5	2806.4	3096.4
30°	3546.5	3529.6	3393.6	3189.1	3007.3	2976.1	2896.6	2878.6	2956.8	3237.2
32.5°	4008.6	3997.8	3835.3	3587.4	3344.3	3308.2	3174.6	3126.5	3187.9	3450.2
35°	4396.1	4386.5	4251.7	3996.6	3699.3	3654.8	3518.8	3464.6	3495.9	3723.4
37.5°	4746.3	4741.5	4625.9	4425.0	4118.1	4063.9	3911.1	3893.1	3887.0	4083.2
40°	5071.2	5059.2	4938.8	4832.9	4605.5	4556.1	4421.4	4405.7	4360.0	4526.1
42.5°	5431.0	5399.7	5225.2	5175.9	5114.5	5073.6	4993.0	4995.4	4894.3	5025.5
45°	5724.7	5706.6	5527.3	5498.4	5564.6	5547.8	5617.6	5635.6	5439.5	5549.0
47.5°	6040.0	6023.1	5871.5	5851.0	6030.3	6035.1	6281.8	6287.9	5971.4	6092.9
50°	6428.7	6404.6	6254.2	6279.4	6480.4	6498.5	6949.7	6908.8	6461.2	6645.3
52.5°	6685.0	6699.4	6666.9	6707.9	6982.2	6999.1	7606.8	7502.1	6946.1	7190.4
55°	6873.9	6902.8	7003.9	7097.8	7511.7	7528.6	8226.6	8066.5	7348.1	7695.9
57.5°	7117.0	7076.1	7265.0	7448.0	8014.8	8059.3	8829.5	8610.5	7704.3	8131.5
60°	7466.0	7437.1	7583.9	7854.7	8578.0	8649.0	9467.3	9100.3	7965.4	8476.9
62.5°	8173.6	8101.4	8124.3	8363.8	9288.0	9381.9	10186.9	9527.5	8095.4	8611.7
65°	9231.4	9107.5	8991.9	9158.0	10288.0	10380.7	10999.3	9863.2	8047.3	8350.5
67.5°	10563.6	10440.9	10298.9	10455.3	11761.0	11834.4	12001.7	10052.2	7668.2	7344.5
70°	11662.3	11616.6	11786.3	12430.1	14113.7	14116.1	13287.0	9895.7	6629.6	5207.2
72.5°	11516.7	11489.0	12383.2	14373.6	17078.9	17015.1	14503.6	8711.6	4465.9	2349.1
75°	9448.0	9627.4	11012.5	14338.7	18144.0	18135.5	13758.7	5538.1	1847.2	973.6
77.5°	5066.4	5350.4	7149.5	10586.5	14164.2	14377.3	9673.1	1937.5	793.1	623.4
80°	1652.3	1900.2	2849.7	5390.1	9203.8	9164.0	4145.8	760.6	542.7	441.7
82.5°	701.6	730.5	1273.2	2545.2	4723.4	4650.0	1320.2	436.8	381.5	302.1
85°	274.4	306.9	562.0	1176.9	2045.8	2001.3	476.6	216.6	244.3	197.4
87.5°	90.3	109.5	201.0	403.1	636.6	613.7	116.7	74.6	105.9	90.3
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°
2966.4	0°	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4	2966.4
2974.9	2.5°	2991.7	3011.0	3033.8	3067.5	3096.4	3120.5	3145.7	3161.4	3167.4	3185.5
2979.7	5°	3013.4	3055.5	3112.0	3167.4	3221.6	3254.0	3282.9	3297.4	3310.6	3320.2
2992.9	7.5°	3049.5	3103.6	3192.7	3264.9	3310.6	3337.1	3356.3	3351.5	3356.3	3358.7
3007.3	10°	3080.8	3156.6	3262.5	3331.1	3366.0	3367.2	3362.4	3345.5	3337.1	3338.3
3029.0	12.5°	3118.1	3202.3	3316.6	3374.4	3384.0	3357.5	3337.1	3308.2	3297.4	3292.6
3061.5	15°	3168.6	3264.9	3375.6	3397.3	3373.2	3339.5	3304.6	3257.7	3233.6	3214.3
3116.9	17.5°	3230.0	3335.9	3421.3	3405.7	3353.9	3298.6	3242.0	3171.0	3121.7	3101.2
3192.7	20°	3315.4	3410.5	3456.2	3387.6	3309.4	3225.2	3128.9	3042.2	2996.5	2976.1
3288.9	22.5°	3418.9	3510.4	3489.9	3356.3	3245.6	3110.8	2990.5	2926.7	2903.9	2889.4
3412.9	25°	3542.9	3621.1	3514.0	3310.6	3140.9	2959.2	2866.5	2846.1	2835.3	2824.4
3564.5	27.5°	3704.1	3746.2	3532.0	3243.2	2977.3	2798.0	2764.3	2767.9	2764.3	2746.2
3775.1	30°	3917.1	3908.7	3548.9	3133.7	2789.5	2652.3	2654.7	2670.4	2672.8	2660.8
4068.8	32.5°	4197.5	4112.1	3557.3	2991.7	2610.2	2524.8	2527.2	2544.0	2556.1	2535.6
4452.7	35°	4536.9	4349.2	3544.1	2813.6	2471.8	2403.2	2385.2	2390.0	2393.6	2374.3
4918.4	37.5°	4932.8	4615.1	3485.1	2616.2	2357.5	2284.1	2245.6	2213.1	2193.8	2175.8
5445.5	40°	5367.3	4905.1	3376.8	2423.7	2229.9	2157.7	2100.0	2038.6	1973.6	1949.5
6003.9	42.5°	5822.1	5203.6	3245.6	2239.6	2083.1	2024.2	1962.8	1873.7	1776.2	1726.9
6583.9	45°	6293.9	5509.3	3116.9	2057.8	1932.7	1907.4	1836.4	1729.3	1623.4	1560.8
7165.2	47.5°	6756.0	5798.1	2927.9	1874.9	1791.9	1819.6	1764.2	1665.5	1547.6	1448.9
7741.6	50°	7197.7	6068.8	2618.6	1689.6	1677.6	1793.1	1740.1	1598.1	1463.4	1337.0
8307.2	52.5°	7635.7	6287.9	2222.7	1521.1	1616.2	1785.9	1708.9	1552.4	1387.5	1255.2
8839.1	55°	8007.6	6401.0	1841.2	1376.7	1527.1	1724.5	1671.5	1498.3	1280.4	1139.6
9203.8	57.5°	8219.4	6309.5	1523.5	1234.7	1404.4	1623.4	1607.8	1382.7	1152.9	1044.6
9274.8	60°	8127.9	5938.9	1263.6	1110.8	1287.7	1513.9	1497.1	1268.4	1055.4	953.1
8894.5	62.5°	7623.7	5232.5	1057.8	1002.4	1181.8	1402.0	1386.3	1180.6	980.8	882.1
7884.8	65°	6608.0	4256.5	897.8	912.2	1074.7	1267.2	1290.1	1107.1	921.8	825.5
6100.1	67.5°	5039.9	3083.2	772.6	834.0	970.0	1134.8	1201.0	1054.2	872.5	781.0
3529.6	70°	2872.6	1751.0	666.7	758.2	877.3	1012.1	1132.4	1012.1	819.5	743.7
1322.6	72.5°	1089.1	803.9	576.4	682.3	788.2	908.6	1056.6	945.9	758.2	701.6
683.5	75°	581.3	489.8	485.0	593.3	685.9	807.5	961.5	880.9	712.4	741.3
472.9	77.5°	395.9	346.6	405.6	507.8	574.0	695.6	860.4	782.2	617.4	614.9
327.3	80°	274.4	245.5	329.7	409.2	444.1	584.9	750.9	671.5	503.0	469.3
202.2	82.5°	164.9	160.1	246.7	305.7	314.1	451.3	622.2	563.2	411.6	358.6
120.3	85°	90.3	95.1	157.6	179.3	182.9	315.3	487.4	435.6	316.5	266.0
43.3	87.5°	25.3	32.5	57.8	71.0	87.8	163.7	290.0	258.7	158.9	110.7
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°
2966.4
3184.2
3322.6
3362.4
3340.7
3290.1
3220.4
3102.4
2973.6
2891.8
2824.4
2749.8
2666.8
2545.2
2387.6
2187.8
1960.4
1732.9
1556.0
1438.1
1326.2
1240.7
1127.6
1030.1
938.7
866.5
809.9
766.6
734.1
692.0
765.4
566.8
448.9
361.0
268.4
110.7
0.0

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