

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: P852497

Luminaire Tested: **GLAN-SB4B-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852497
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-SB4B-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21889 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

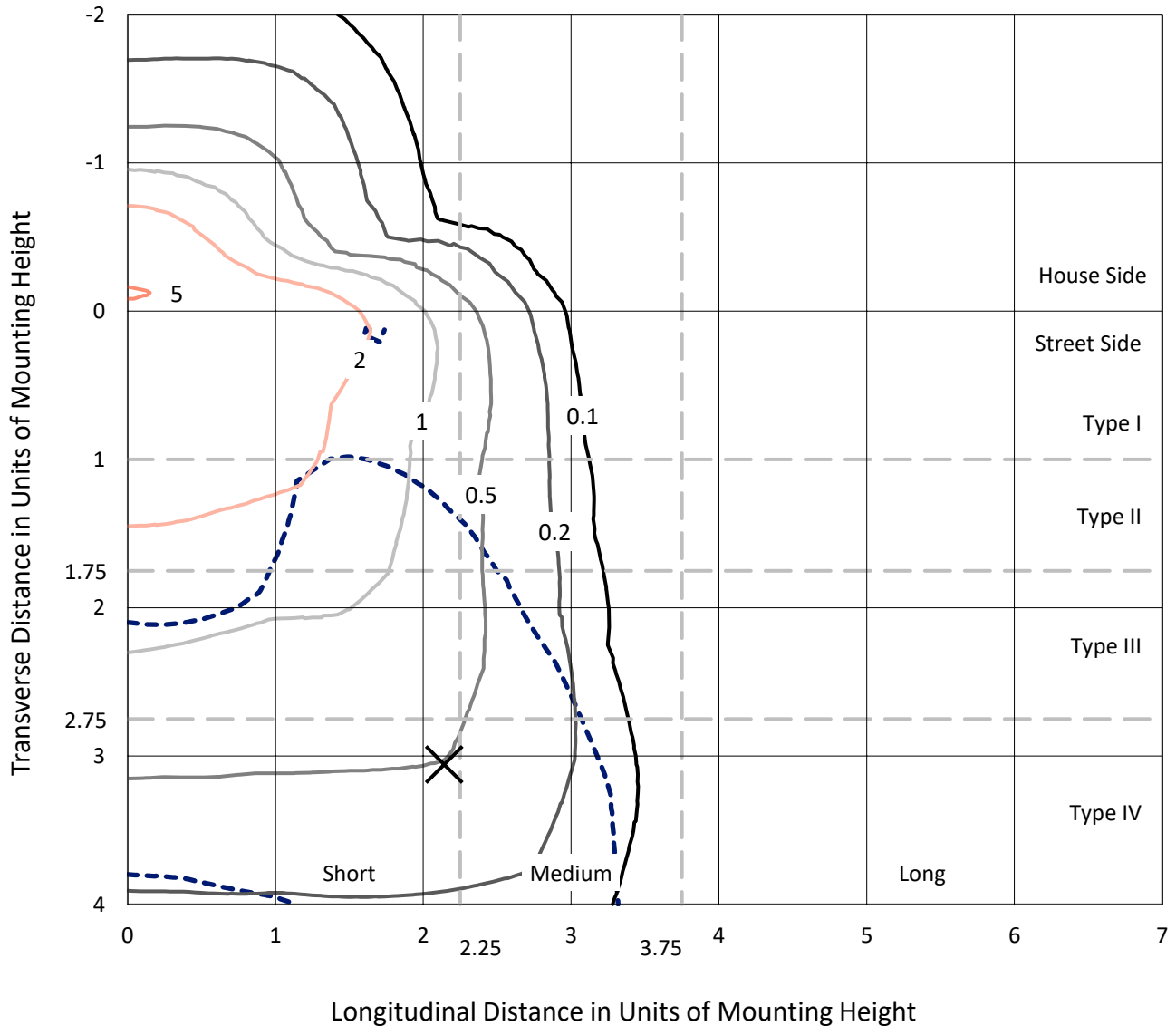
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

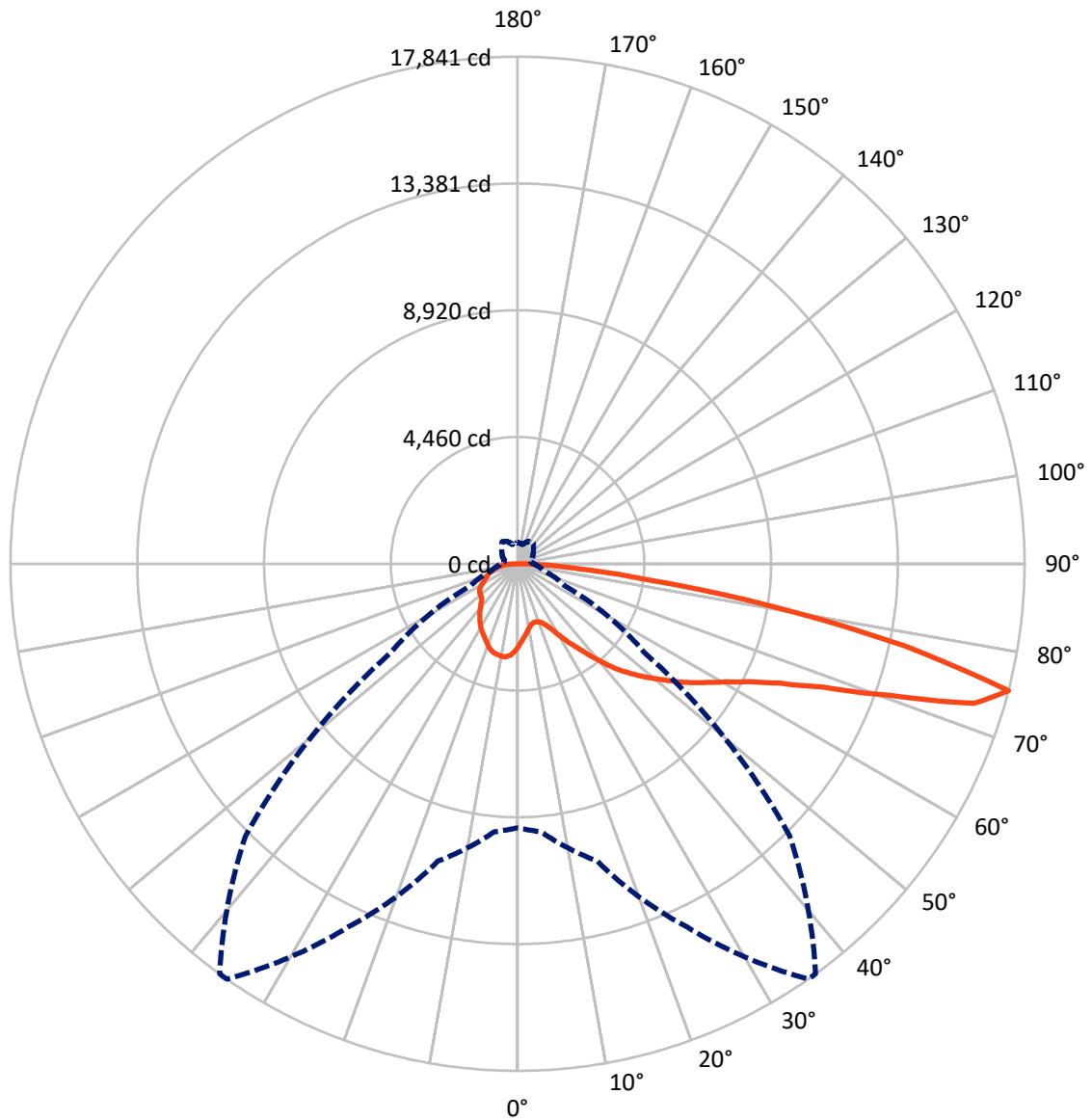
✕ Max cd
 - - - 1/2 Max cd



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	5209.0	0.0	5209.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	16680.0	0.0	16680.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	21889.0	0.0	21889.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.2	1.3
10°-20°	796.6	3.6
20°-30°	1337.7	6.1
30°-40°	2078.9	9.5
40°-50°	3085.7	14.1
50°-60°	4260.0	19.5
60°-70°	5168.3	23.6
70°-80°	4271.3	19.5
80°-90°	614.3	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°	21889.0	100.0
0°-180°	21889.0	100.0

Coefficient of Utilization



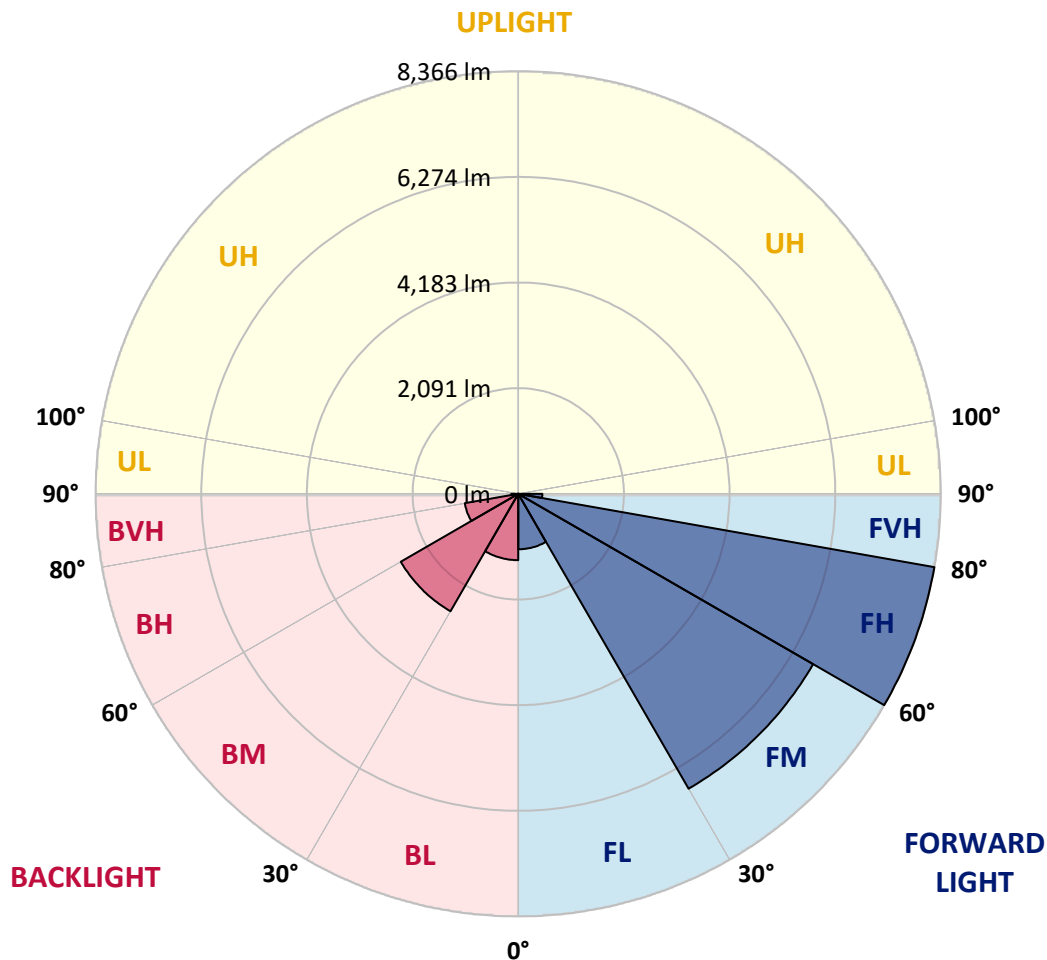
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1097.7	5.0			
FM (30°-60°)	6740.6	30.8			
FH (60°-80°)	8365.7	38.2			G4/12000
FVH (80°-90°)	476.0	2.2			G3/500
BL (0°-30°)	1312.7	6.0	B3/2500		
BM (30°-60°)	2684.0	12.3	B3/5000		
BH (60°-80°)	1073.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	138.3	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°	2916.9	2916.9	2916.9	2916.9	2916.9	2916.9	2916.9	2916.9	2916.9	2916.9
2.5°	2689.7	2706.2	2713.3	2709.8	2727.5	2725.2	2750.0	2780.8	2823.4	2864.8
5°	2482.6	2500.3	2515.7	2529.9	2564.2	2574.9	2613.9	2673.1	2751.2	2830.5
7.5°	2289.7	2305.1	2328.8	2354.8	2412.8	2423.4	2488.5	2580.8	2689.7	2805.6
10°	2132.3	2147.7	2172.6	2202.1	2274.3	2287.3	2370.2	2493.2	2635.2	2782.0
12.5°	2064.9	2069.6	2083.8	2113.4	2176.1	2184.4	2275.5	2416.3	2582.0	2764.2
15°	2061.3	2070.8	2072.0	2087.4	2139.4	2143.0	2227.0	2366.6	2548.8	2760.7
17.5°	2096.8	2103.9	2093.3	2102.7	2146.5	2152.4	2218.7	2343.0	2538.2	2776.0
20°	2191.5	2197.4	2165.5	2152.4	2184.4	2189.1	2254.2	2358.3	2548.8	2808.0
22.5°	2392.7	2396.2	2318.1	2264.9	2267.2	2269.6	2326.4	2421.1	2590.3	2866.0
25°	2706.2	2703.9	2579.6	2476.7	2417.5	2404.5	2442.4	2522.8	2660.1	2942.9
27.5°	3073.1	3055.3	2931.1	2777.2	2648.2	2629.3	2621.0	2655.3	2759.5	3044.7
30°	3487.2	3470.6	3336.9	3135.8	2957.1	2926.3	2848.2	2830.5	2907.4	3183.1
32.5°	3941.6	3931.0	3771.2	3527.4	3288.4	3252.9	3121.6	3074.2	3134.6	3392.5
35°	4322.6	4313.2	4180.6	3929.8	3637.5	3593.7	3460.0	3406.7	3437.5	3661.2
37.5°	4667.0	4662.2	4548.6	4351.0	4049.3	3996.0	3845.8	3828.0	3822.1	4015.0
40°	4986.5	4974.6	4856.3	4752.2	4528.5	4480.0	4347.5	4332.1	4287.1	4450.4
42.5°	5340.3	5309.5	5137.9	5089.4	5029.1	4988.8	4909.6	4911.9	4812.5	4941.5
45°	5629.0	5611.3	5434.9	5406.5	5471.6	5455.1	5523.7	5541.4	5348.6	5456.2
47.5°	5939.0	5922.5	5773.4	5753.2	5929.6	5934.3	6176.9	6182.8	5871.6	5991.1
50°	6321.2	6297.6	6149.7	6174.5	6372.1	6389.9	6833.6	6793.4	6353.2	6534.2
52.5°	6573.3	6587.5	6555.5	6595.8	6865.6	6882.1	7479.7	7376.7	6830.1	7070.3
55°	6759.1	6787.5	6886.9	6979.2	7386.2	7402.8	8089.1	7931.7	7225.3	7567.3
57.5°	6998.1	6957.9	7143.6	7323.5	7880.8	7924.6	8681.9	8466.6	7575.5	7995.6
60°	7341.3	7312.9	7457.2	7723.5	8434.6	8504.4	9309.1	8948.2	7832.3	8335.2
62.5°	8037.0	7966.0	7988.5	8224.0	9132.8	9225.1	10016.7	9368.3	7960.1	8467.8
65°	9077.2	8955.3	8841.7	9005.0	10116.1	10207.2	10815.4	9698.4	7912.8	8211.0
67.5°	10387.1	10266.4	10126.8	10280.6	11564.5	11636.7	11801.1	9884.2	7540.0	7221.7
70°	11467.5	11422.5	11589.3	12222.4	13877.9	13880.2	13064.9	9730.4	6518.9	5120.2
72.5°	11324.3	11297.1	12176.3	14133.4	16793.5	16730.8	14261.2	8566.0	4391.3	2309.8
75°	9290.2	9466.5	10828.5	14099.1	17840.8	17832.5	13528.8	5445.6	1816.4	957.3
77.5°	4981.7	5261.0	7030.0	10409.6	13927.5	14137.0	9511.4	1905.1	779.8	613.0
80°	1624.7	1868.4	2802.1	5300.0	9049.9	9010.9	4076.5	747.9	533.7	434.3
82.5°	689.9	718.3	1251.9	2502.7	4644.5	4572.3	1298.1	429.5	375.1	297.0
85°	269.8	301.7	552.6	1157.3	2011.6	1967.8	468.6	213.0	240.2	194.1
87.5°	88.7	107.7	197.6	396.4	626.0	603.5	114.8	73.4	104.1	88.7
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°
2916.9	0°	2916.9	2916.9	2916.9	2916.9	2916.9	2916.9	2916.9	2916.9	2916.9	2916.9
2925.1	2.5°	2941.7	2960.6	2983.1	3016.3	3044.7	3068.3	3093.2	3108.6	3114.5	3132.2
2929.9	5°	2963.0	3004.4	3060.0	3114.5	3167.7	3199.7	3228.1	3242.3	3255.3	3264.8
2942.9	7.5°	2998.5	3051.8	3139.3	3210.3	3255.3	3281.3	3300.2	3295.5	3300.2	3302.6
2957.1	10°	3029.3	3103.8	3208.0	3275.4	3309.7	3310.9	3306.2	3289.6	3281.3	3282.5
2978.4	12.5°	3066.0	3148.8	3261.2	3318.0	3327.5	3301.4	3281.3	3252.9	3242.3	3237.5
3010.3	15°	3115.7	3210.3	3319.2	3340.5	3316.8	3283.7	3249.4	3203.2	3179.6	3160.6
3064.8	17.5°	3176.0	3280.1	3364.1	3348.8	3297.9	3243.5	3187.8	3118.0	3069.5	3049.4
3139.3	20°	3260.0	3353.5	3398.5	3331.0	3254.1	3171.3	3076.6	2991.4	2946.4	2926.3
3234.0	22.5°	3361.8	3451.7	3431.6	3300.2	3191.4	3058.9	2940.5	2877.8	2855.3	2841.1
3355.9	25°	3483.7	3560.6	3455.3	3255.3	3088.4	2909.8	2818.6	2798.5	2787.9	2777.2
3505.0	27.5°	3642.2	3683.6	3473.0	3189.0	2927.5	2751.2	2718.1	2721.6	2718.1	2700.3
3712.0	30°	3851.7	3843.4	3489.6	3081.3	2742.9	2608.0	2610.4	2625.8	2628.1	2616.3
4000.8	32.5°	4127.4	4043.4	3497.9	2941.7	2566.6	2482.6	2484.9	2501.5	2513.3	2493.2
4378.2	35°	4461.1	4276.5	3484.8	2766.6	2430.5	2363.1	2345.3	2350.1	2353.6	2334.7
4836.2	37.5°	4850.4	4538.0	3426.9	2572.5	2318.1	2245.9	2208.1	2176.1	2157.2	2139.4
5354.5	40°	5277.6	4823.2	3320.4	2383.2	2192.7	2121.7	2064.9	2004.5	1940.6	1917.0
5903.5	42.5°	5724.9	5116.6	3191.4	2202.1	2048.3	1990.3	1930.0	1842.4	1746.6	1698.0
6473.9	45°	6188.7	5417.2	3064.8	2023.5	1900.4	1875.5	1805.7	1700.4	1596.3	1534.8
7045.4	47.5°	6643.1	5701.2	2879.0	1843.6	1761.9	1789.2	1734.7	1637.7	1521.7	1424.7
7612.2	50°	7077.4	5967.4	2574.9	1661.4	1649.5	1763.1	1711.1	1571.4	1438.9	1314.7
8168.4	52.5°	7508.1	6182.8	2185.6	1495.7	1589.2	1756.0	1680.3	1526.5	1364.4	1234.2
8691.4	55°	7873.7	6294.0	1810.5	1353.7	1501.6	1695.7	1643.6	1473.2	1259.0	1120.6
9049.9	57.5°	8082.0	6204.1	1498.1	1214.1	1380.9	1596.3	1580.9	1359.6	1133.6	1027.1
9119.8	60°	7992.1	5839.6	1242.5	1092.2	1266.1	1488.6	1472.0	1247.2	1037.8	937.2
8745.8	62.5°	7496.3	5145.0	1040.1	985.7	1162.0	1378.6	1363.2	1160.8	964.4	867.4
7753.0	65°	6497.6	4185.4	882.7	896.9	1056.7	1246.0	1268.5	1088.6	906.4	811.8
5998.2	67.5°	4955.7	3031.6	759.7	820.0	953.7	1115.9	1180.9	1036.6	857.9	768.0
3470.6	70°	2824.6	1721.7	655.6	745.5	862.6	995.2	1113.5	995.2	805.8	731.3
1300.5	72.5°	1070.9	790.5	566.8	670.9	775.1	893.4	1038.9	930.1	745.5	689.9
672.1	75°	571.5	481.6	476.9	583.4	674.5	794.0	945.5	866.2	700.5	728.9
465.0	77.5°	389.3	340.8	398.8	499.4	564.4	684.0	846.1	769.2	607.0	604.7
321.9	80°	269.8	241.4	324.2	402.3	436.6	575.1	738.4	660.3	494.6	461.5
198.8	82.5°	162.1	157.4	242.6	300.6	308.8	443.7	611.8	553.8	404.7	352.6
118.3	85°	88.7	93.5	155.0	176.3	179.9	310.0	479.2	428.4	311.2	261.5
42.6	87.5°	24.8	31.9	56.8	69.8	86.4	160.9	285.2	254.4	156.2	108.9
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°
2916.9
3131.0
3267.1
3306.2
3284.9
3235.2
3166.5
3050.6
2924.0
2843.5
2777.2
2703.9
2622.2
2502.7
2347.7
2151.3
1927.6
1704.0
1530.0
1414.1
1304.0
1220.0
1108.8
1012.9
923.0
852.0
796.4
753.8
721.8
680.4
752.6
557.3
441.4
355.0
263.9
108.9
0.0

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