

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: P847428

Luminaire Tested: **GLAN-SB3C-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847428
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22065 lumens
Efficiency: N/A
Efficacy: 148.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

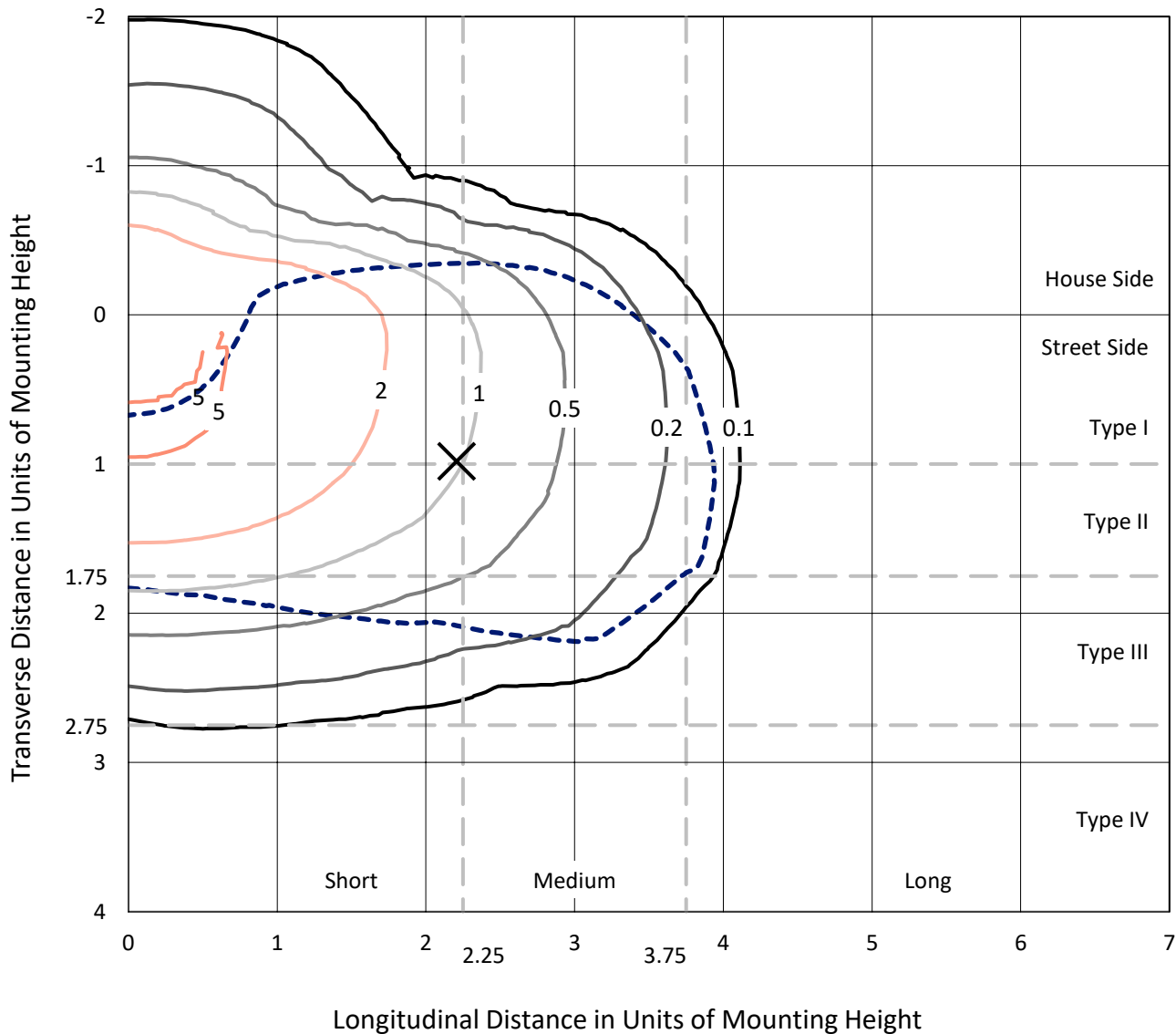
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

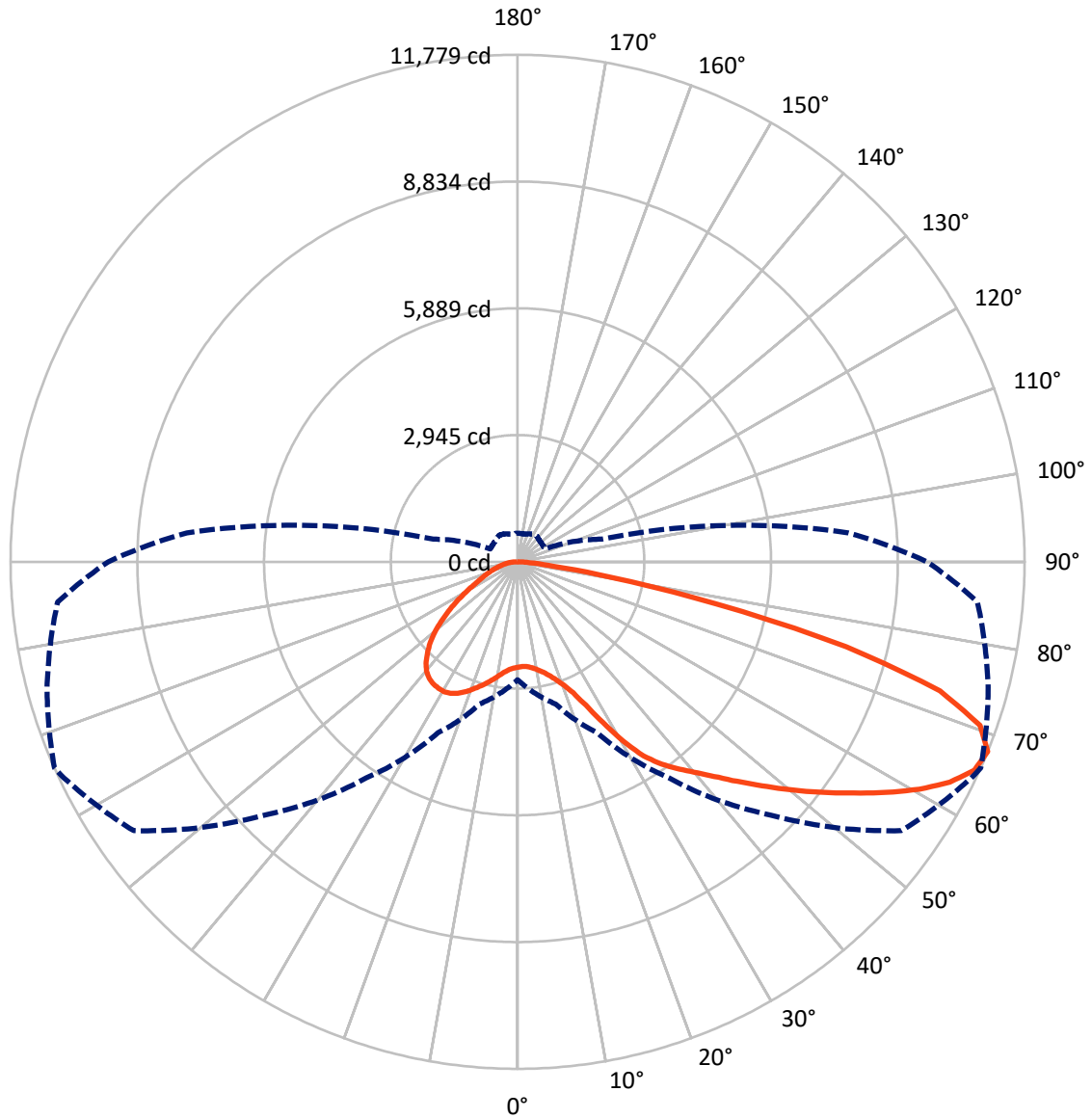
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5486.4	0.0	5486.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	16578.6	0.0	16578.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	22065.0	0.0	22065.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.6	1.1
10°-20°	801.7	3.6
20°-30°	1545.1	7.0
30°-40°	2709.2	12.3
40°-50°	4027.7	18.3
50°-60°	5105.5	23.1
60°-70°	4995.6	22.6
70°-80°	2382.9	10.8
80°-90°	254.7	1.2
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°	22065.0	100.0
0°-180°	22065.0	100.0

Coefficient of Utilization



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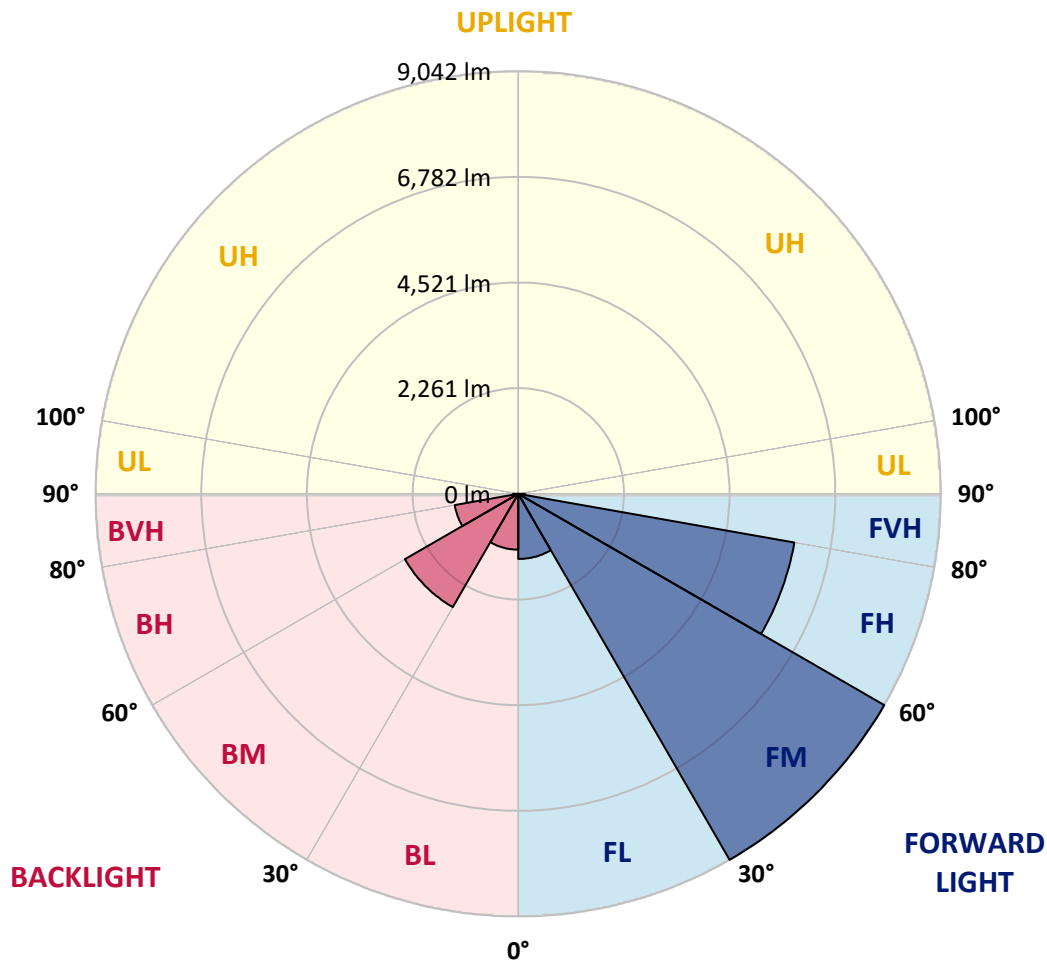
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1394.3	6.3			
FM (30°-60°)	9042.1	41.0			
FH (60°-80°)	5997.9	27.2			G3/7500
FVH (80°-90°)	144.4	0.7			G2/225
BL (0°-30°)	1195.1	5.4	B3/2500		
BM (30°-60°)	2800.3	12.7	B3/5000		
BH (60°-80°)	1380.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	110.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3
2.5°	2421.8	2435.7	2432.2	2426.4	2425.3	2427.6	2431.1	2434.5	2433.4	2439.2
5°	2414.8	2428.8	2427.6	2427.6	2432.2	2441.5	2447.3	2453.1	2447.3	2454.3
7.5°	2419.5	2429.9	2434.5	2439.2	2450.8	2468.2	2482.1	2494.8	2487.9	2496.0
10°	2478.6	2486.7	2491.4	2491.4	2499.5	2519.2	2533.1	2556.3	2550.5	2563.2
12.5°	2586.4	2594.5	2594.5	2589.9	2595.7	2608.4	2613.1	2638.6	2628.2	2649.0
15°	2718.6	2734.8	2722.1	2713.9	2716.3	2729.0	2727.9	2747.6	2737.1	2754.5
17.5°	2864.7	2885.5	2864.7	2863.5	2858.9	2872.8	2873.9	2891.3	2872.8	2885.5
20°	3037.4	3066.4	3049.0	3054.8	3044.3	3050.1	3055.9	3081.4	3052.5	3061.7
22.5°	3280.8	3315.6	3297.1	3319.1	3312.1	3307.5	3306.3	3351.6	3306.3	3309.8
25°	3635.6	3677.3	3644.9	3675.0	3675.0	3690.1	3707.5	3765.4	3690.1	3668.1
27.5°	4159.6	4201.3	4137.6	4156.1	4150.3	4187.4	4168.9	4312.6	4231.5	4195.5
30°	4790.3	4864.5	4743.9	4739.3	4733.5	4792.6	4819.2	4914.3	4832.0	4796.1
32.5°	5471.9	5549.6	5405.9	5364.1	5342.1	5378.0	5356.0	5432.5	5375.7	5320.1
35°	6193.0	6269.5	6132.7	6051.6	5963.5	5888.1	5809.3	5829.0	5775.7	5691.0
37.5°	6874.7	7015.0	6870.1	6783.1	6620.8	6473.6	6253.3	6161.7	6111.9	6034.2
40°	7569.1	7649.1	7539.0	7464.8	7288.6	7057.9	6705.4	6511.8	6444.6	6369.2
42.5°	8080.4	8156.9	8097.8	8046.8	7908.8	7641.0	7185.4	6943.1	6845.7	6761.1
45°	8486.1	8542.9	8505.8	8524.4	8465.3	8205.6	7682.7	7405.7	7304.8	7201.6
47.5°	8649.6	8709.9	8769.0	8879.1	8980.0	8788.7	8217.2	7906.5	7799.8	7694.3
50°	8631.1	8692.5	8864.1	9098.3	9411.3	9347.5	8780.6	8439.8	8341.2	8220.7
52.5°	8482.7	8552.2	8772.5	9162.0	9660.5	9766.0	9354.5	8990.4	8897.7	8753.9
55°	8093.1	8134.9	8465.3	9017.1	9719.6	10058.2	9916.7	9577.0	9484.3	9283.7
57.5°	7370.9	7431.2	7912.3	8626.4	9571.3	10256.4	10410.6	10193.8	10104.5	9815.9
60°	6428.4	6524.6	7075.3	7970.2	9193.3	10255.2	10859.2	10800.1	10725.9	10339.9
62.5°	5361.8	5473.1	6002.9	7042.8	8532.5	9964.3	11139.8	11307.9	11269.6	10823.3
65°	4117.9	4194.4	4721.9	5842.9	7504.2	9339.4	11172.3	11654.5	11661.5	11190.8
67.5°	2741.8	2962.0	3420.0	4384.5	6126.9	8318.0	10887.1	11711.3	11778.6	11317.2
70°	1337.8	1627.7	2076.3	2849.6	4384.5	6751.8	10141.6	11245.3	11394.8	10948.5
72.5°	555.3	649.2	893.8	1406.2	2516.9	4556.1	8643.8	9981.6	10258.7	9701.1
75°	374.5	405.8	511.3	721.1	1146.6	2246.7	6233.6	7442.8	7889.1	7326.8
77.5°	288.7	308.4	372.1	504.3	681.7	849.8	3336.5	4485.4	4716.1	4366.0
80°	227.2	242.3	278.2	367.5	483.4	454.4	1137.3	2032.3	2165.6	1816.6
82.5°	197.1	202.9	199.4	249.3	321.1	265.5	373.3	750.1	827.7	600.5
85°	142.6	158.8	165.8	154.2	170.4	134.5	153.0	265.5	292.1	260.8
87.5°	58.0	85.8	105.5	99.7	62.6	38.3	47.5	77.7	89.3	97.4
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°
2447.3	0°	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3	2447.3
2448.5	2.5°	2449.6	2457.7	2463.5	2470.5	2475.1	2482.1	2496.0	2504.1	2505.3	2511.1
2467.0	5°	2471.6	2483.2	2496.0	2514.5	2535.4	2552.8	2579.5	2598.0	2605.0	2610.8
2512.2	7.5°	2519.2	2535.4	2558.6	2591.1	2621.2	2644.4	2676.8	2698.9	2720.9	2729.0
2584.1	10°	2589.9	2613.1	2646.7	2690.8	2723.2	2753.4	2787.0	2805.5	2827.6	2836.8
2669.9	12.5°	2678.0	2702.3	2746.4	2807.8	2838.0	2858.9	2870.4	2865.8	2870.4	2878.6
2773.1	15°	2778.9	2805.5	2855.4	2921.5	2942.3	2923.8	2898.3	2875.1	2871.6	2873.9
2898.3	17.5°	2898.3	2918.0	2975.9	3031.6	3016.5	2940.0	2884.4	2847.3	2828.7	2822.9
3058.3	20°	3065.2	3065.2	3112.7	3147.5	3046.7	2916.8	2829.9	2769.6	2731.3	2715.1
3276.2	22.5°	3268.1	3249.5	3279.7	3255.3	3040.9	2851.9	2731.3	2627.0	2569.0	2545.8
3581.1	25°	3525.5	3503.4	3495.3	3344.6	2999.1	2748.7	2552.8	2426.4	2375.4	2362.7
4020.5	27.5°	3913.8	3858.2	3752.7	3393.3	2922.6	2586.4	2344.1	2227.0	2198.0	2199.2
4585.1	30°	4430.9	4319.6	4061.1	3401.4	2797.4	2356.9	2130.8	2047.3	2033.4	2039.2
5059.2	32.5°	4909.7	4804.2	4376.4	3364.3	2605.0	2132.0	1939.5	1883.9	1863.0	1870.0
5420.9	35°	5285.3	5256.3	4668.5	3312.1	2368.5	1921.0	1767.9	1720.4	1679.8	1670.6
5761.8	37.5°	5640.0	5628.4	4887.6	3239.1	2134.3	1771.4	1630.0	1567.4	1508.3	1475.8
6138.5	40°	6029.6	6018.0	5031.4	3126.7	1926.8	1641.6	1505.9	1423.6	1350.6	1291.5
6565.2	42.5°	6467.8	6399.4	5099.8	2965.5	1750.6	1531.4	1405.1	1293.8	1197.6	1143.1
7047.4	45°	6946.6	6792.4	5098.6	2760.3	1602.2	1430.6	1297.3	1139.6	1050.3	999.3
7542.5	47.5°	7454.4	7168.0	5036.0	2533.1	1458.4	1319.3	1130.3	1009.8	950.6	919.3
8080.4	50°	7978.4	7519.3	4929.4	2272.2	1311.2	1192.9	1026.0	943.7	898.5	869.5
8613.7	52.5°	8471.1	7838.1	4800.7	1976.6	1161.6	1070.0	979.6	915.9	868.3	835.9
9130.7	55°	8929.0	8112.8	4618.7	1674.0	1039.9	987.7	957.6	904.3	849.8	811.5
9655.9	57.5°	9335.9	8291.4	4304.5	1390.0	953.0	930.9	934.4	884.6	821.9	789.5
10172.9	60°	9674.4	8422.4	3839.6	1126.8	882.2	875.3	898.5	847.5	774.4	737.3
10610.0	62.5°	9877.3	8420.1	3269.2	922.8	821.9	824.3	850.9	801.1	726.9	692.1
10838.4	65°	9859.9	8213.7	2643.2	789.5	764.0	766.3	801.1	750.1	687.5	666.6
10723.6	67.5°	9511.0	7710.6	2027.6	702.5	700.2	710.7	751.2	715.3	663.1	660.8
10039.6	70°	8566.1	6666.0	1460.7	633.0	634.1	649.2	702.5	693.3	650.4	655.0
8440.9	72.5°	6868.9	5082.4	980.8	559.9	561.1	585.5	656.2	675.9	637.6	699.1
5989.0	75°	4574.6	3169.5	630.7	482.3	483.4	514.7	615.6	642.3	602.8	696.7
3116.2	77.5°	2198.0	1424.8	456.8	405.8	405.8	434.7	532.1	575.0	513.6	541.4
1001.6	80°	759.3	535.6	359.4	326.9	320.0	339.7	448.7	498.5	442.9	408.1
326.9	82.5°	299.1	278.2	288.7	253.9	230.7	243.5	349.0	411.6	325.8	294.5
184.3	85°	171.6	180.9	204.0	168.1	133.3	149.6	256.2	295.6	245.8	216.8
60.3	87.5°	46.4	63.8	93.9	86.9	60.3	63.8	121.7	163.5	141.4	109.0
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°
2447.3
2509.9
2609.6
2730.2
2841.5
2880.9
2882.0
2831.0
2711.6
2542.4
2365.0
2202.7
2058.9
1879.2
1677.5
1477.0
1297.3
1146.6
997.0
912.4
859.0
821.9
796.4
768.6
721.1
681.7
665.4
664.3
653.8
708.3
702.5
496.2
382.6
293.3
221.4
112.5
0.0

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