

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: P950011

Luminaire Tested: **GLAN-SB4C-830-U-T2U-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P950011  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4C-830-U-T2U-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20611 lumens  
Efficiency: N/A  
Efficacy: 102.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G3

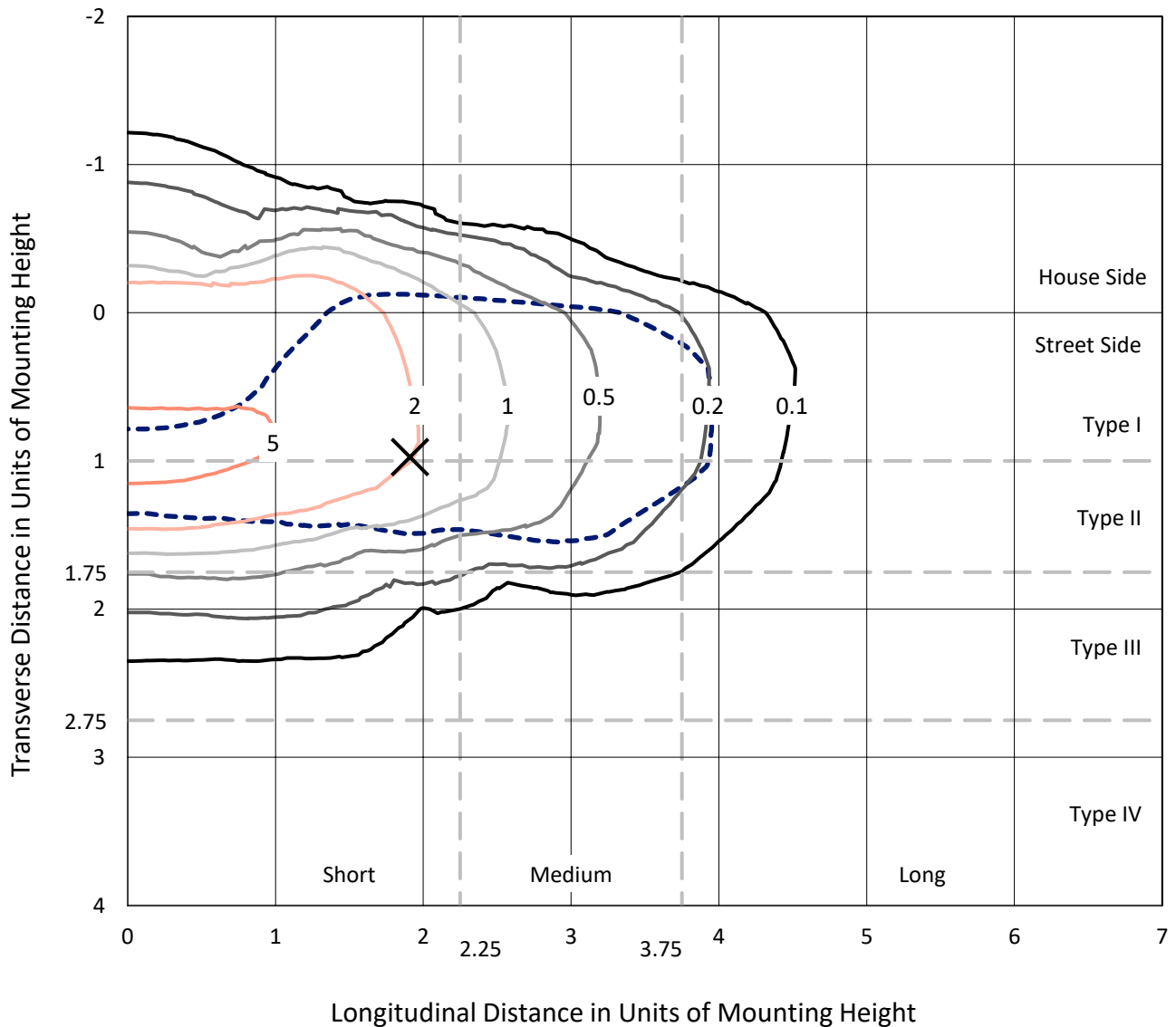
Input Watts (W): 200.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

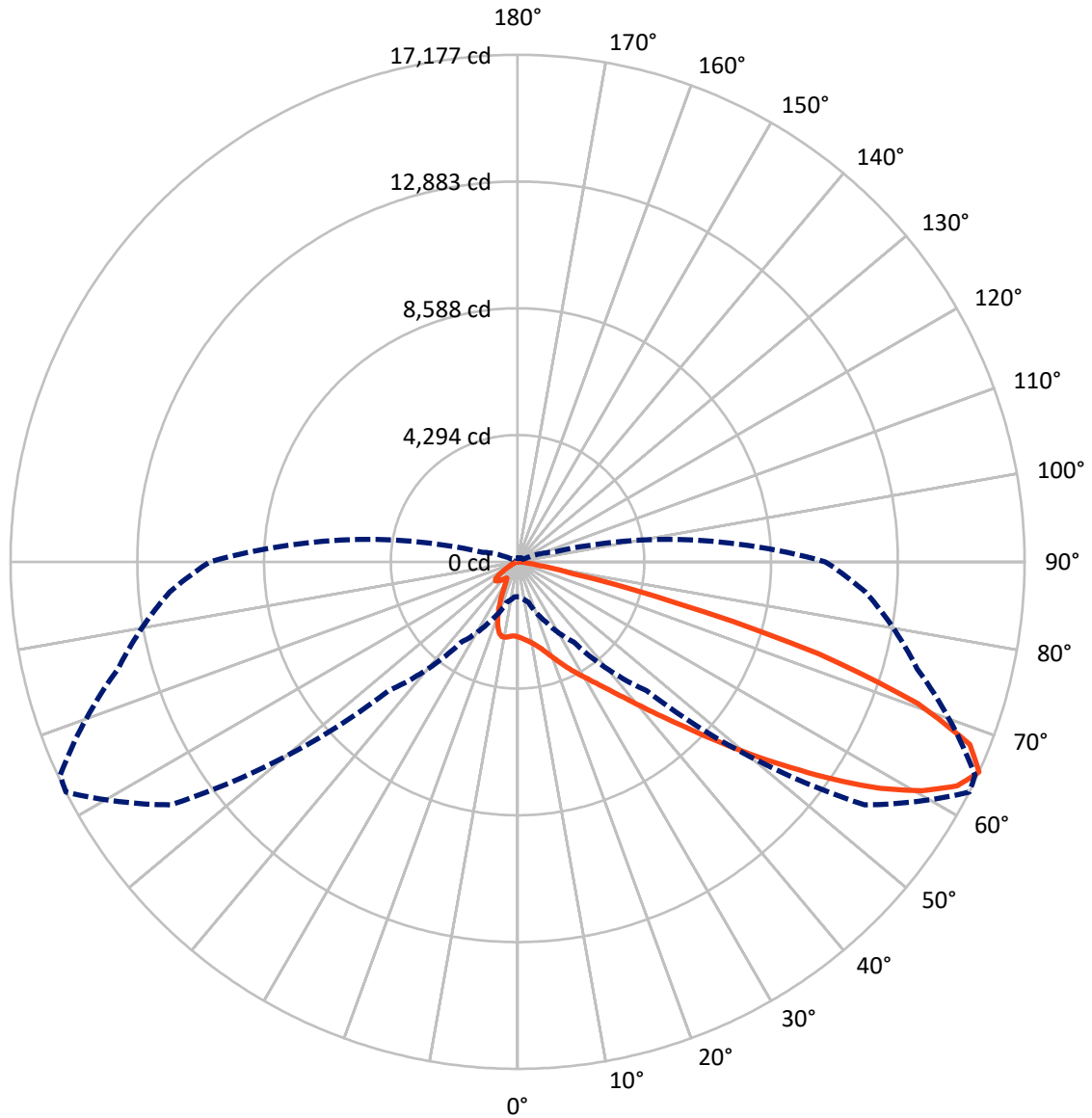
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 63-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3029.7	0.0	3029.7
	% Fixture	14.7	0.0	14.7
<b>Street Side</b>	Lumens	17581.4	0.0	17581.4
	% Fixture	85.3	0.0	85.3
<b>Total</b>	Lumens	20611.0	0.0	20611.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.7	1.2
10°-20°	665.0	3.2
20°-30°	1157.9	5.6
30°-40°	2087.1	10.1
40°-50°	4139.3	20.1
50°-60°	5638.4	27.4
60°-70°	4500.6	21.8
70°-80°	2036.6	9.9
80°-90°	146.4	0.7
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°	20611.0	100.0
0°-180°	20611.0	100.0

**Coefficient of Utilization**

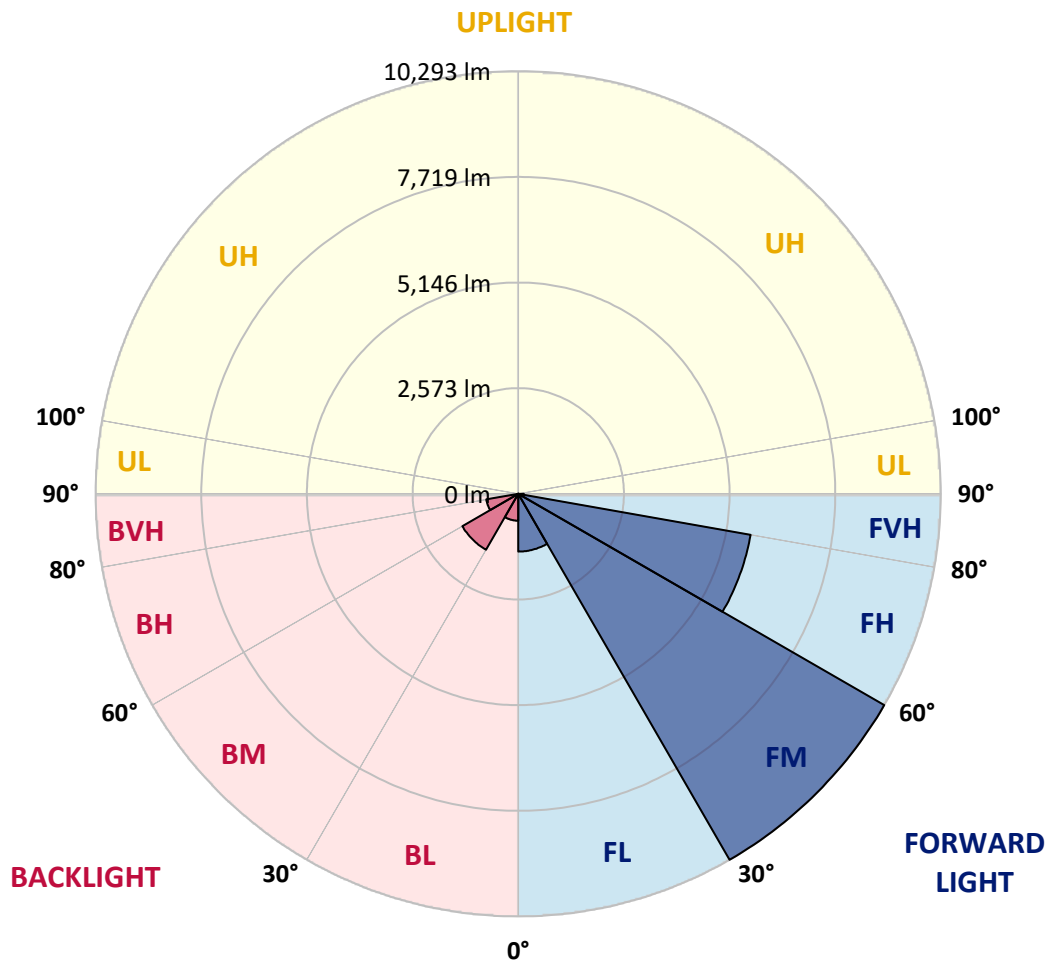


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1407.0	6.8			
FM (30°-60°)	10292.6	49.9			
FH (60°-80°)	5746.2	27.9			G3/7500
FVH (80°-90°)	135.5	0.7			G2/225
BL (0°-30°)	655.7	3.2	B2/1000		
BM (30°-60°)	1572.2	7.6	B2/2500		
BH (60°-80°)	790.9	3.8	B2/1000		G2/1000
BVH (80°-90°)	10.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°
0°	2543.8	2543.8	2543.8	2543.8	2543.8	2543.8	2543.8	2543.8	2543.8	2543.8
2.5°	2603.3	2596.3	2606.2	2601.9	2599.1	2593.4	2590.6	2587.7	2582.1	2577.8
5°	2610.4	2606.2	2616.1	2624.6	2633.1	2641.6	2645.9	2651.6	2645.9	2634.5
7.5°	2550.9	2548.0	2569.3	2594.8	2633.1	2665.7	2701.2	2721.0	2722.4	2718.2
10°	2546.6	2539.5	2560.8	2592.0	2641.6	2699.8	2762.1	2804.7	2810.4	2828.8
12.5°	2613.3	2606.2	2636.0	2670.0	2721.0	2782.0	2858.6	2918.1	2926.6	2952.2
15°	2725.3	2715.4	2749.4	2793.3	2858.6	2928.0	3008.9	3062.8	3069.8	3101.0
17.5°	2855.7	2845.8	2885.5	2932.3	3003.2	3098.2	3191.8	3251.3	3259.8	3279.7
20°	3023.1	3010.3	3041.5	3084.0	3159.2	3272.6	3384.6	3469.7	3468.3	3468.3
22.5°	3217.3	3197.5	3224.4	3258.4	3329.3	3466.9	3615.8	3716.4	3716.4	3676.7
25°	3425.7	3405.9	3435.7	3466.9	3529.3	3685.2	3859.6	3984.4	3990.1	3922.0
27.5°	3686.6	3661.1	3683.8	3720.7	3757.5	3916.4	4123.4	4268.0	4270.8	4165.9
30°	4188.6	4116.3	4045.4	4005.7	4022.7	4180.1	4401.3	4561.5	4575.7	4431.1
32.5°	5107.4	5093.2	4843.7	4517.6	4347.4	4463.7	4711.8	4904.7	4913.2	4727.4
35°	6535.3	6518.3	6117.0	5495.9	4941.5	4843.7	5089.0	5317.3	5311.6	5101.8
37.5°	8239.7	8224.1	7695.2	6864.3	5966.7	5418.0	5575.3	5815.0	5850.4	5575.3
40°	9695.9	9637.7	9303.1	8502.0	7327.9	6370.8	6267.3	6426.1	6463.0	6136.9
42.5°	10799.0	10749.4	10579.3	10078.7	8975.6	7780.2	7082.6	7143.6	7184.7	6793.4
45°	11370.5	11359.1	11427.2	11380.4	10654.4	9510.1	8248.2	7994.4	8010.0	7520.8
47.5°	11451.3	11445.6	11756.2	12195.7	12097.9	11461.2	9744.1	9055.0	8999.7	8341.7
50°	10974.9	10963.5	11559.1	12382.9	13062.1	13100.4	11442.8	10250.3	10128.4	9191.1
52.5°	9453.4	9450.6	10429.0	11800.1	13401.0	14535.3	13121.6	11563.3	11359.1	10090.1
55°	7274.0	7326.5	8448.1	10068.8	12782.7	15225.9	14628.9	13021.0	12707.6	10994.7
57.5°	5152.8	5229.4	6338.2	7781.7	10865.7	14817.5	15648.4	14481.4	14144.0	11896.5
60°	2767.8	2835.9	3946.1	5668.9	8083.7	13294.6	16185.8	15749.1	15430.0	12753.0
62.5°	1649.1	1671.8	2131.2	3659.7	5467.6	10156.7	15957.5	16714.7	16452.4	13471.9
65°	1184.0	1188.2	1419.4	2234.7	3319.4	6170.9	14356.7	17176.9	17096.1	14013.5
67.5°	996.8	994.0	1090.4	1484.6	2261.6	3091.1	11003.2	16523.3	16866.4	14356.7
70°	855.0	859.3	972.7	1087.6	1700.1	1749.7	5470.4	14386.4	15118.1	14447.4
72.5°	636.7	650.8	755.8	991.1	1283.2	1203.8	1888.7	10667.2	11990.1	13612.2
75°	449.5	456.6	531.7	833.7	957.1	876.3	964.2	5514.4	7210.2	10436.0
77.5°	346.0	358.7	402.7	582.8	942.9	615.4	589.9	1908.5	2932.3	6304.2
80°	187.2	209.9	290.7	421.1	662.2	435.3	292.1	760.0	994.0	2947.9
82.5°	96.4	107.8	202.8	303.4	377.2	380.0	144.6	316.2	409.8	910.3
85°	38.3	46.8	136.1	167.3	194.3	187.2	65.2	127.6	147.5	252.4
87.5°	8.5	14.2	49.6	38.3	36.9	39.7	15.6	29.8	28.4	29.8
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°
2543.8	0°	2543.8	2543.8	2543.8	2543.8	2543.8	2543.8	2543.8	2543.8	2543.8	2543.8
2560.8	2.5°	2559.4	2553.7	2538.1	2521.1	2501.2	2489.9	2482.8	2481.4	2471.5	2464.4
2617.5	5°	2601.9	2596.3	2566.5	2531.0	2492.7	2463.0	2434.6	2409.1	2372.2	2365.1
2699.8	7.5°	2687.0	2671.4	2623.2	2575.0	2502.7	2416.2	2311.2	2190.7	2083.0	2050.3
2808.9	10°	2791.9	2770.7	2709.7	2624.6	2464.4	2229.0	1975.2	1739.8	1552.6	1500.2
2938.0	12.5°	2911.0	2892.6	2811.8	2654.4	2304.2	1877.4	1488.8	1196.7	1015.2	969.9
3075.5	15°	3052.8	3025.9	2913.9	2609.0	2017.7	1426.4	1022.3	849.3	784.1	775.6
3232.9	17.5°	3203.1	3159.2	3004.6	2445.9	1632.1	1013.8	789.8	740.2	711.8	703.3
3391.7	20°	3340.7	3284.0	3058.5	2199.2	1219.4	789.8	707.6	674.9	649.4	639.5
3550.5	22.5°	3478.2	3397.4	3058.5	1863.2	914.6	700.5	649.4	619.6	589.9	577.1
3720.7	25°	3621.4	3513.7	3004.6	1488.8	735.9	642.3	594.1	561.5	536.0	520.4
3882.3	27.5°	3760.4	3611.5	2881.3	1134.4	655.1	591.3	543.1	511.9	487.8	476.4
4058.1	30°	3892.2	3707.9	2708.3	860.7	602.6	541.7	496.3	469.3	445.2	433.9
4286.4	32.5°	4070.9	3829.9	2523.9	706.1	557.3	494.9	453.7	428.2	406.9	398.4
4582.8	35°	4319.0	4009.9	2365.1	693.4	519.0	456.6	415.5	391.4	370.1	363.0
4965.6	37.5°	4670.7	4300.6	2281.5	778.4	487.8	422.5	384.3	358.7	338.9	333.2
5452.0	40°	5104.6	4694.8	2326.8	863.5	466.5	392.8	355.9	330.4	313.4	306.3
6010.7	42.5°	5619.3	5181.2	2577.8	928.8	452.3	367.2	329.0	300.6	289.3	286.4
6644.5	45°	6210.6	5715.7	2962.1	998.2	429.6	343.1	302.0	280.8	272.2	270.8
7333.6	47.5°	6882.7	6302.7	3407.3	1084.7	406.9	320.5	280.8	266.6	259.5	256.6
8052.5	50°	7549.1	6894.0	3865.3	1132.9	388.5	299.2	263.7	252.4	246.7	245.3
8812.5	52.5°	8246.7	7502.3	4235.4	1087.6	372.9	282.2	249.6	241.1	235.4	234.0
9513.0	55°	8911.8	7994.4	4299.2	923.1	341.7	265.2	234.0	229.7	222.6	222.6
10223.4	57.5°	9484.6	8241.1	3848.3	677.8	310.5	239.6	218.4	214.1	208.4	207.0
10864.3	60°	10010.7	8170.2	2970.6	456.6	276.5	214.1	198.5	195.7	190.0	182.9
11421.5	62.5°	10307.0	7858.2	2031.9	297.8	242.5	187.2	175.8	174.4	161.6	147.5
11834.1	65°	10419.0	7217.3	1267.6	216.9	202.8	160.2	151.7	148.9	130.5	114.9
12068.1	67.5°	10321.2	6162.4	639.5	171.6	160.2	133.3	124.8	124.8	112.0	97.8
12053.9	70°	9929.8	4619.7	269.4	137.5	123.4	102.1	102.1	107.8	95.0	79.4
11428.6	72.5°	9080.5	3108.1	143.2	104.9	92.2	72.3	83.7	87.9	75.2	59.6
9354.2	75°	7218.7	1895.8	99.3	78.0	58.1	51.0	63.8	66.6	51.0	39.7
6413.3	77.5°	4937.3	1089.0	66.6	49.6	36.9	29.8	44.0	41.1	26.9	18.4
2472.9	80°	2168.0	453.7	38.3	22.7	14.2	11.3	15.6	11.3	8.5	5.7
338.9	82.5°	253.8	106.3	14.2	8.5	5.7	2.8	1.4	0.0	0.0	0.0
103.5	85°	52.5	12.8	7.1	2.8	1.4	0.0	0.0	0.0	0.0	0.0
18.4	87.5°	9.9	2.8	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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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<u>180°</u>
2543.8
2471.5
2362.3
2034.7
1480.3
957.1
767.1
699.0
633.8
570.0
514.7
476.4
435.3
398.4
363.0
331.8
304.9
286.4
269.4
256.6
245.3
234.0
221.2
205.6
181.5
144.6
113.4
96.4
78.0
59.6
38.3
19.9
5.7
0.0
0.0
0.0
0.0

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