

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: P852584

Luminaire Tested: **GLAN-SB4D-930-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852584  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-930-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20832 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

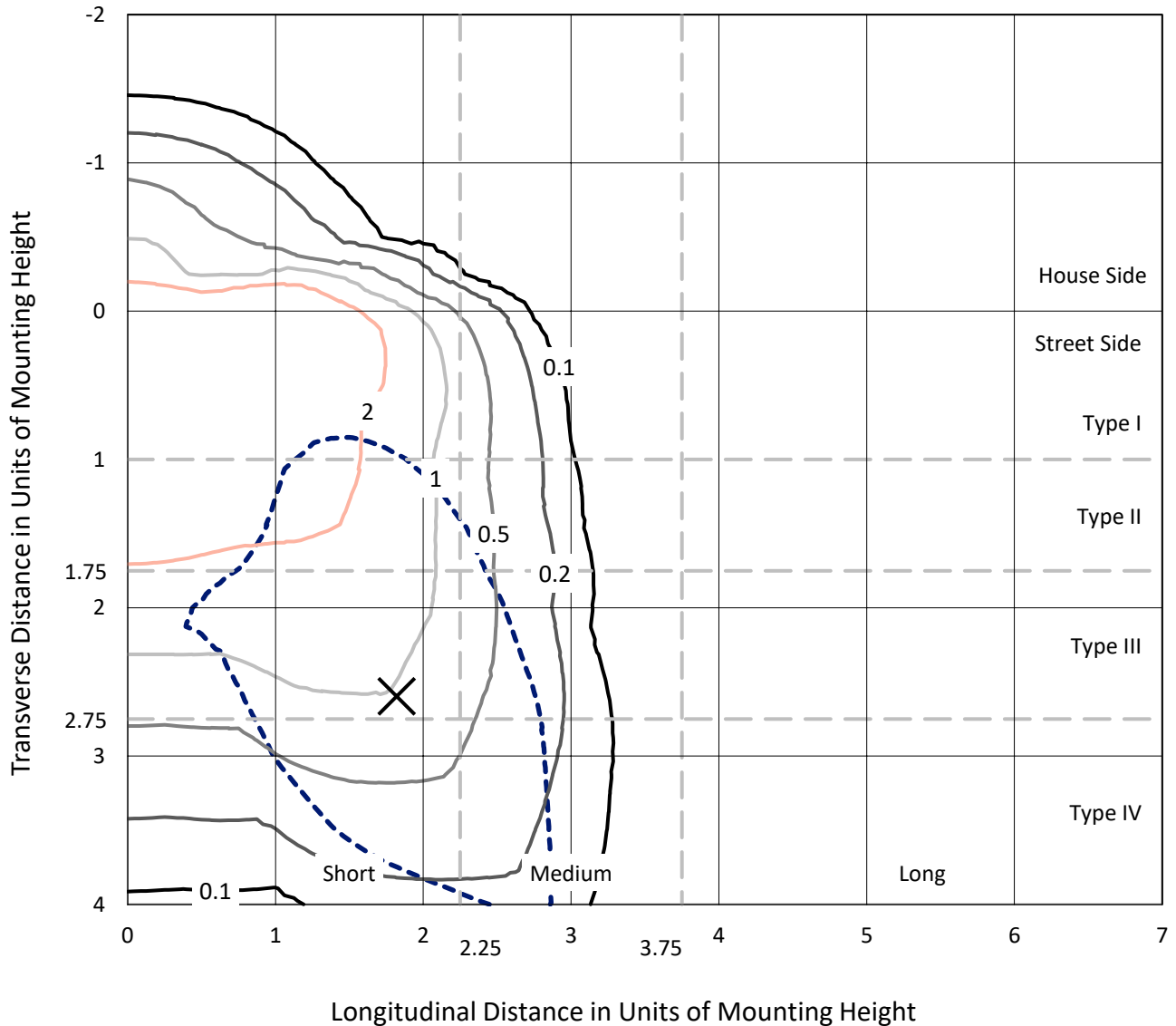
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

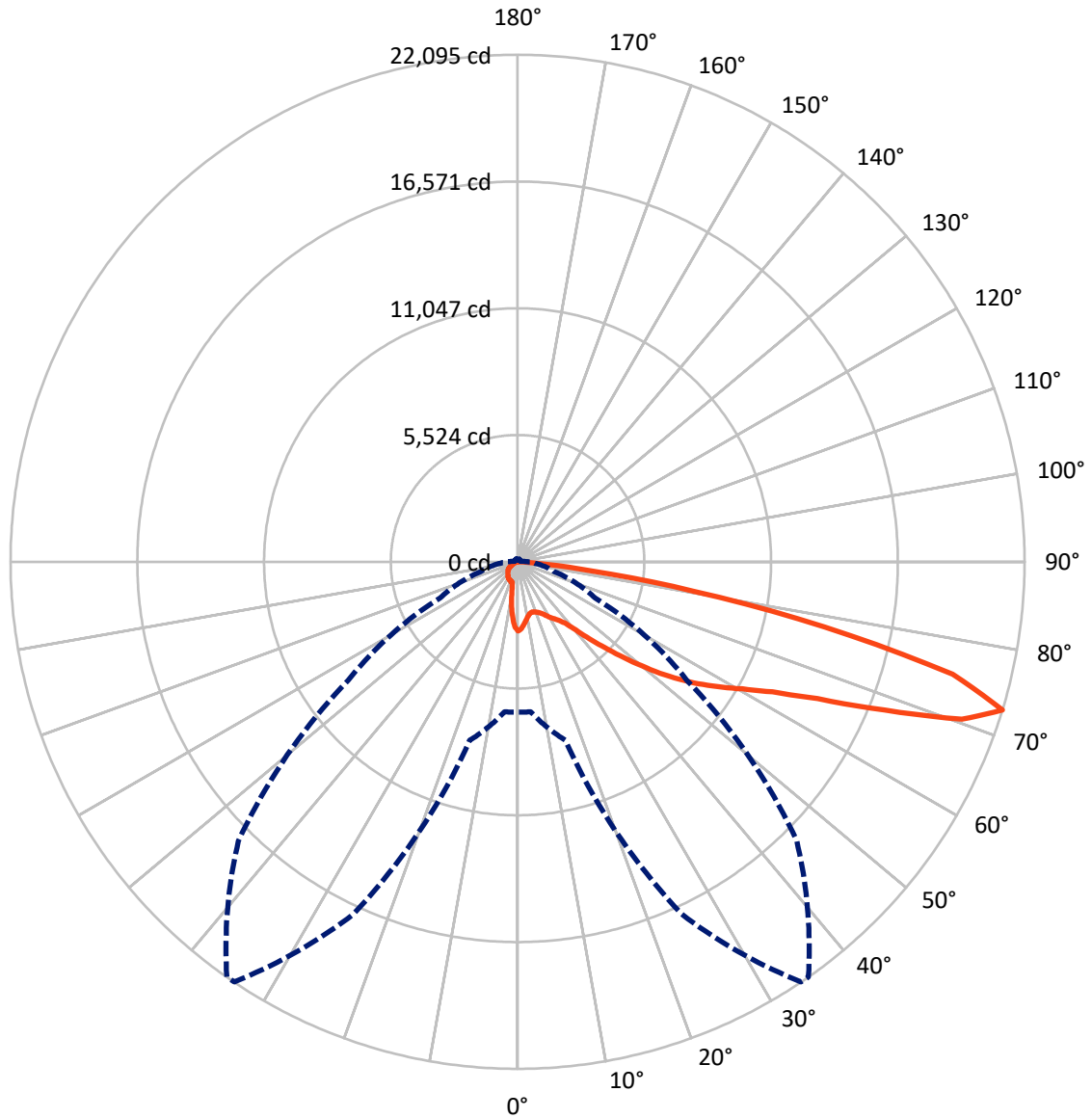
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2344.6	0.0	2344.6
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	18487.5	0.0	18487.5
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	20832.0	0.0	20832.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	248.1	1.2
10°-20°	580.4	2.8
20°-30°	942.9	4.5
30°-40°	1573.1	7.6
40°-50°	2976.4	14.3
50°-60°	4729.5	22.7
60°-70°	5850.8	28.1
70°-80°	3636.9	17.5
80°-90°	293.9	1.4
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°	20832.0	100.0
0°-180°	20832.0	100.0

**Coefficient of Utilization**

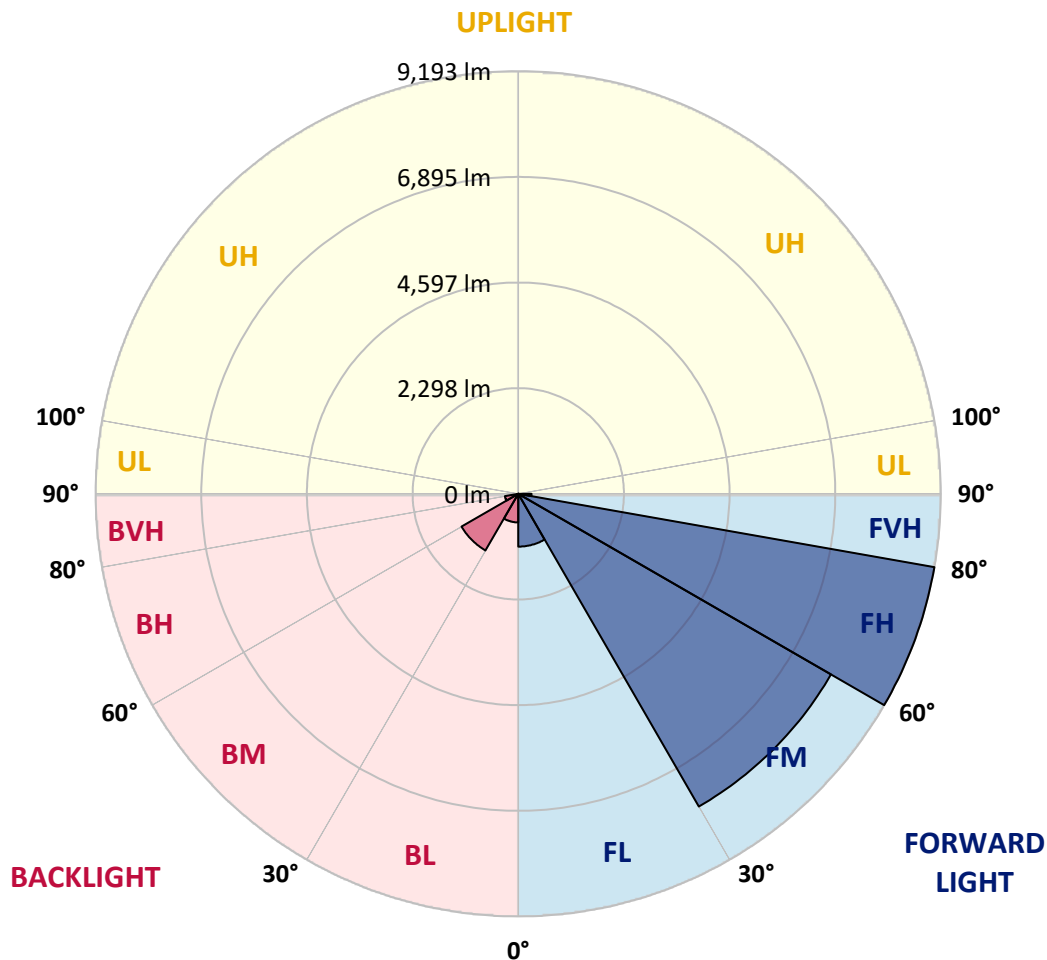


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1148.4	5.5			
FM (30°-60°)	7855.7	37.7			
FH (60°-80°)	9193.4	44.1			G4/12000
FVH (80°-90°)	289.9	1.4			G3/500
BL (0°-30°)	623.0	3.0	B2/1000		
BM (30°-60°)	1423.4	6.8	B2/2500		
BH (60°-80°)	294.2	1.4	B1/500		G1/500
BVH (80°-90°)	4.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G4**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3019.3	3019.3	3019.3	3019.3	3019.3	3019.3	3019.3	3019.3	3019.3	3019.3
2.5°	2884.9	2909.4	2913.9	2921.6	2921.6	2930.7	2946.0	2967.4	3002.5	3020.8
5°	2659.0	2677.3	2700.2	2718.6	2753.7	2758.2	2817.8	2875.8	2956.7	3017.7
7.5°	2431.6	2453.0	2483.5	2527.7	2573.5	2587.3	2677.3	2775.0	2903.2	3017.7
10°	2271.3	2272.8	2300.3	2344.6	2417.8	2434.6	2544.5	2683.4	2843.7	2999.4
12.5°	2181.3	2191.9	2204.1	2237.7	2307.9	2318.6	2436.2	2599.5	2784.2	2988.7
15°	2181.3	2188.9	2196.5	2213.3	2269.8	2278.9	2382.7	2546.1	2753.7	2993.3
17.5°	2204.1	2216.4	2210.3	2230.1	2289.6	2295.7	2387.3	2530.8	2752.1	3022.3
20°	2259.1	2268.3	2256.0	2268.3	2327.8	2340.0	2434.6	2559.8	2778.1	3072.7
22.5°	2346.1	2350.7	2321.7	2330.8	2391.9	2407.2	2517.1	2642.2	2840.7	3153.6
25°	2456.0	2465.2	2420.9	2431.6	2489.6	2507.9	2634.6	2765.9	2939.9	3265.0
27.5°	2582.7	2587.3	2549.1	2547.6	2622.4	2648.3	2776.6	2918.5	3072.7	3405.4
30°	2727.7	2741.4	2704.8	2698.7	2793.3	2814.7	2941.4	3106.3	3268.1	3616.1
32.5°	2842.2	2852.9	2831.5	2846.8	2942.9	2959.7	3141.4	3371.9	3574.9	3915.3
35°	3007.0	3013.1	2964.3	2991.8	3101.7	3144.4	3414.6	3744.3	3961.1	4290.8
37.5°	3603.9	3603.9	3396.3	3260.4	3365.8	3403.9	3788.6	4212.9	4437.3	4794.5
40°	4429.7	4415.9	4112.2	3834.4	3820.6	3895.4	4321.3	4803.6	5052.4	5398.9
42.5°	5310.4	5289.0	4875.4	4600.6	4554.8	4580.8	4936.4	5531.7	5785.1	6136.2
45°	6091.9	6085.8	5707.3	5337.9	5255.5	5337.9	5704.2	6383.5	6565.1	6934.5
47.5°	6746.8	6746.8	6470.5	6229.3	6186.6	6235.4	6743.7	7328.3	7311.5	7784.7
50°	7500.8	7494.7	7232.2	7128.4	7172.6	7241.3	7940.4	8323.6	8083.9	8619.7
52.5°	8029.0	8065.6	7975.5	7958.7	8184.7	8303.7	9155.5	9297.4	8775.4	9411.9
55°	8447.2	8489.9	8593.7	8711.3	9146.3	9302.0	10332.3	10220.9	9353.9	10098.8
57.5°	9039.4	8978.4	9138.7	9370.7	10074.4	10262.1	11472.6	11092.5	9819.4	10655.9
60°	9758.4	9767.6	9795.0	10088.1	11000.9	11242.1	12596.0	11916.7	10118.6	10997.8
62.5°	10622.3	10636.1	10692.6	11142.9	12244.9	12472.4	13792.7	12591.4	10256.0	10901.7
65°	10562.8	10620.8	11251.2	12791.4	14136.2	14360.5	15189.4	13064.6	10048.4	10022.5
67.5°	9622.5	9717.2	10771.9	14760.5	16987.5	17237.8	16877.6	13157.7	9152.4	7793.9
70°	8389.2	8422.8	9691.2	16531.1	20289.2	20542.5	18388.8	12133.5	6945.2	4347.2
72.5°	6551.4	6559.0	8047.3	16941.7	22081.2	22094.9	17202.7	9007.4	3735.1	1669.9
75°	4680.0	4634.2	5389.8	13739.3	19426.7	19582.4	12896.7	4225.1	1427.2	789.2
77.5°	2509.4	2559.8	3049.8	8148.0	13420.3	13685.9	7036.8	1218.1	726.6	537.3
80°	775.4	818.2	1250.1	3730.6	7601.6	7761.8	2608.6	541.9	506.8	383.1
82.5°	244.2	253.4	583.1	1567.6	3155.1	3228.4	755.6	306.8	346.5	253.4
85°	70.2	71.7	259.5	584.6	780.0	795.3	212.2	119.1	198.4	157.2
87.5°	7.6	24.4	97.7	97.7	68.7	67.2	22.9	25.9	56.5	19.8
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°
3019.3	0°	3019.3	3019.3	3019.3	3019.3	3019.3	3019.3	3019.3	3019.3	3019.3	3019.3
3033.0	2.5°	3025.4	3026.9	3007.0	2973.5	2936.8	2906.3	2868.1	2837.6	2816.2	2810.1
3060.5	5°	3046.7	3036.0	2979.6	2877.3	2755.2	2649.9	2532.3	2439.2	2378.2	2352.2
3089.5	7.5°	3078.8	3048.3	2924.6	2723.1	2489.6	2282.0	2071.3	1908.0	1804.2	1752.3
3116.9	10°	3106.3	3045.2	2833.0	2500.3	2143.1	1828.6	1544.7	1347.8	1237.9	1186.0
3149.0	12.5°	3132.2	3043.7	2714.0	2236.2	1752.3	1367.7	1103.6	1005.9	975.4	964.7
3200.9	15°	3181.1	3048.3	2564.4	1934.0	1363.1	1033.4	937.2	935.7	941.8	938.7
3280.3	17.5°	3248.2	3052.8	2395.0	1613.4	1051.7	911.3	906.7	920.4	929.6	925.0
3379.5	20°	3335.2	3071.2	2214.8	1295.9	903.6	880.7	891.4	903.6	911.3	903.6
3512.3	22.5°	3457.3	3103.2	2017.9	1041.0	856.3	862.4	871.6	885.3	893.0	882.3
3681.7	25°	3606.9	3153.6	1824.1	905.2	833.4	841.1	854.8	870.1	879.2	868.5
3895.4	27.5°	3800.8	3234.5	1645.5	874.6	810.5	815.1	835.0	857.8	870.1	856.3
4199.2	30°	4081.6	3367.3	1491.3	888.4	796.8	786.1	813.6	845.6	859.4	847.2
4612.8	32.5°	4454.1	3555.0	1396.7	909.7	790.7	752.5	778.5	819.7	842.6	835.0
5153.2	35°	4942.5	3840.5	1360.0	934.2	786.1	717.4	735.7	780.0	819.7	827.3
5834.0	37.5°	5534.8	4237.3	1370.7	944.9	772.4	688.4	697.6	735.7	787.6	812.1
6600.2	40°	6207.9	4699.8	1431.8	934.2	757.1	664.0	665.5	694.5	740.3	776.9
7424.5	42.5°	6902.5	5240.2	1544.7	894.5	743.4	642.6	638.0	657.9	688.4	714.4
8247.2	45°	7563.4	5795.8	1656.2	839.5	726.6	621.3	610.6	618.2	624.3	635.0
9048.6	47.5°	8140.4	6186.6	1624.1	789.2	703.7	596.8	578.5	575.5	557.1	555.6
9764.5	50°	8538.8	6272.1	1442.5	738.8	670.1	569.4	540.4	522.0	490.0	474.7
10300.3	52.5°	8665.5	5934.7	1178.4	688.4	615.1	532.7	491.5	462.5	422.8	409.1
10608.6	55°	8497.6	5273.8	941.8	627.4	538.8	483.9	438.1	399.9	367.9	351.1
10642.2	57.5°	8087.0	4432.7	744.9	555.6	457.9	428.9	383.1	345.0	317.5	300.7
10269.7	60°	7406.2	3519.9	589.2	470.1	390.8	369.4	322.1	297.7	273.2	253.4
9308.1	62.5°	6372.8	2512.5	462.5	372.4	326.7	302.2	274.8	256.4	227.4	200.0
7578.7	65°	4973.1	1537.1	357.2	273.2	262.5	250.3	233.5	216.8	181.6	154.2
4944.1	67.5°	3136.8	728.1	254.9	206.1	207.6	201.5	193.9	180.1	154.2	129.7
2214.8	70°	1381.4	352.6	167.9	157.2	154.2	154.2	160.3	155.7	131.3	108.4
769.3	72.5°	470.1	189.3	125.2	119.1	111.4	109.9	134.3	129.7	105.3	84.0
383.1	75°	245.8	126.7	91.6	85.5	67.2	80.9	106.8	100.7	74.8	55.0
253.4	77.5°	160.3	90.1	62.6	55.0	38.2	53.4	79.4	70.2	44.3	27.5
166.4	80°	100.7	59.5	36.6	25.9	18.3	29.0	42.7	30.5	16.8	6.1
97.7	82.5°	53.4	30.5	13.7	9.2	7.6	9.2	10.7	7.6	3.1	0.0
50.4	85°	21.4	10.7	4.6	3.1	1.5	0.0	3.1	1.5	0.0	0.0
9.2	87.5°	7.6	1.5	0.0	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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180°
3019.3
2820.8
2361.4
1760.0
1187.6
961.6
937.2
923.5
902.1
880.7
867.0
856.3
845.6
835.0
827.3
818.2
789.2
725.0
641.1
554.1
476.2
407.6
351.1
297.7
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