

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: P850585

Luminaire Tested: **GLAN-SB8A-930-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850585  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-930-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17870 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

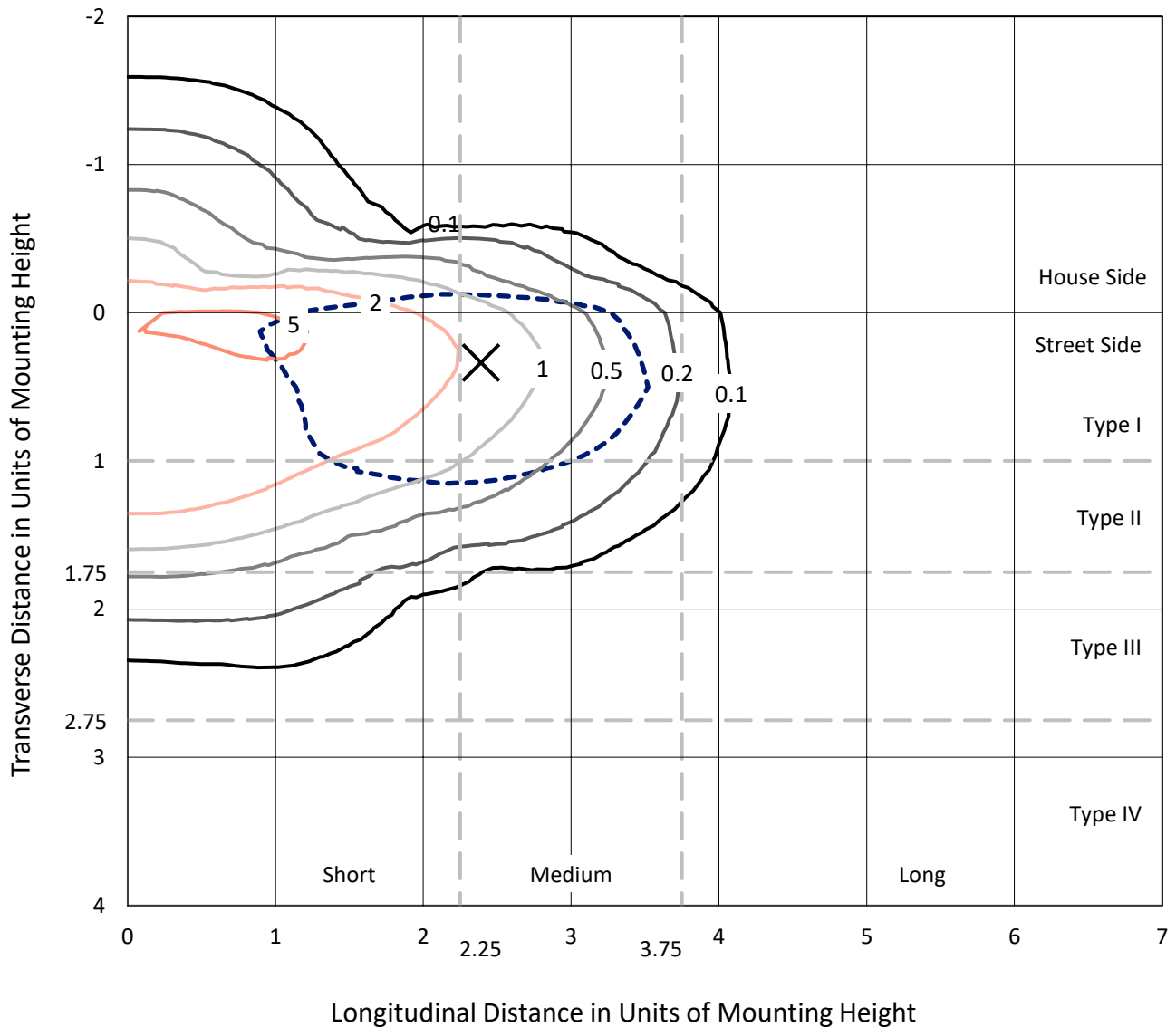
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

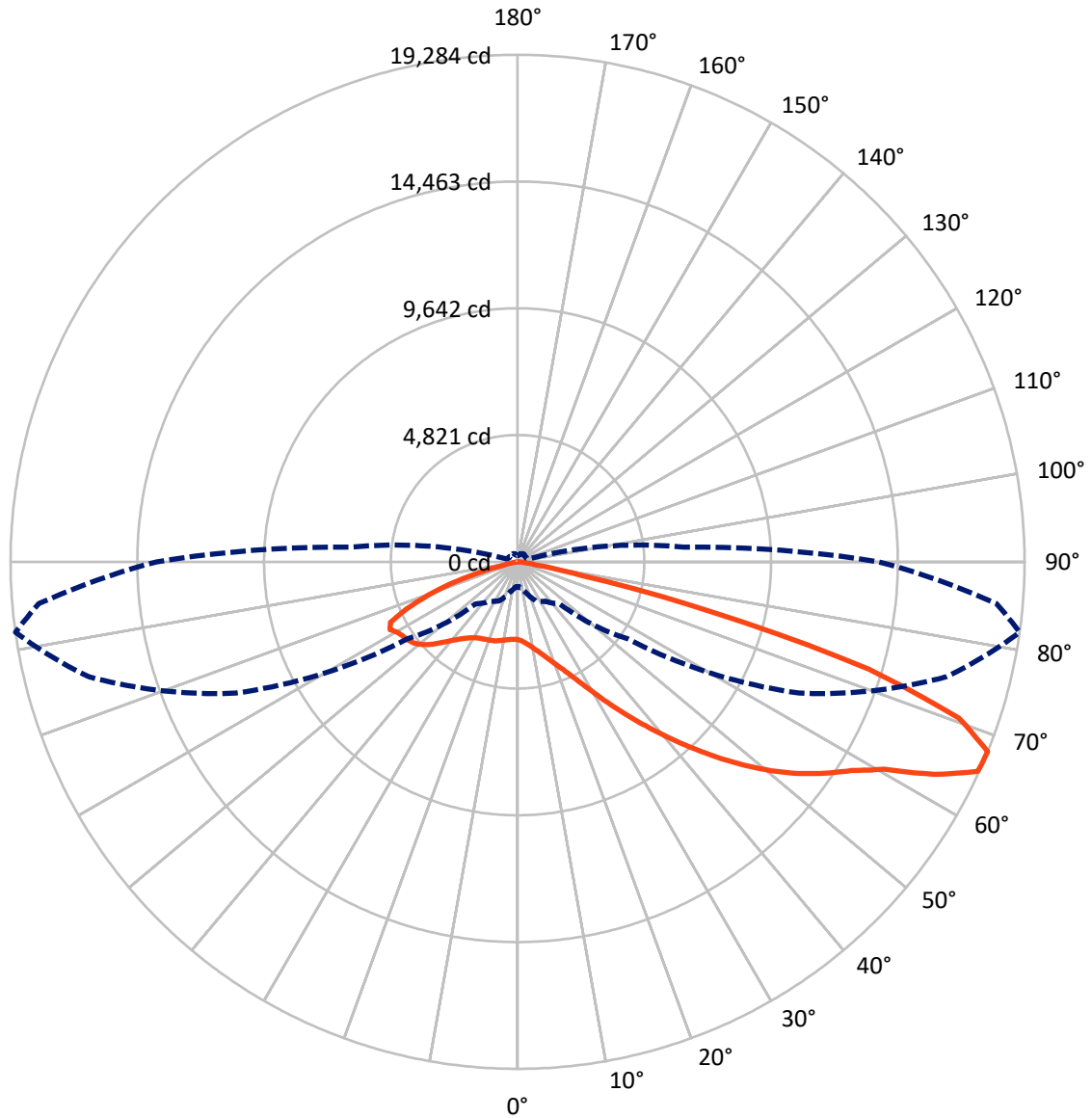
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3237.0	0.0	3237.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	14633.0	0.0	14633.0
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	17870.0	0.0	17870.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.8	1.5
10°-20°	685.4	3.8
20°-30°	1097.8	6.1
30°-40°	1941.2	10.9
40°-50°	3401.2	19.0
50°-60°	4536.2	25.4
60°-70°	4223.0	23.6
70°-80°	1620.8	9.1
80°-90°	100.7	0.6
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°	17870.0	100.0
0°-180°	17870.0	100.0

**Coefficient of Utilization**

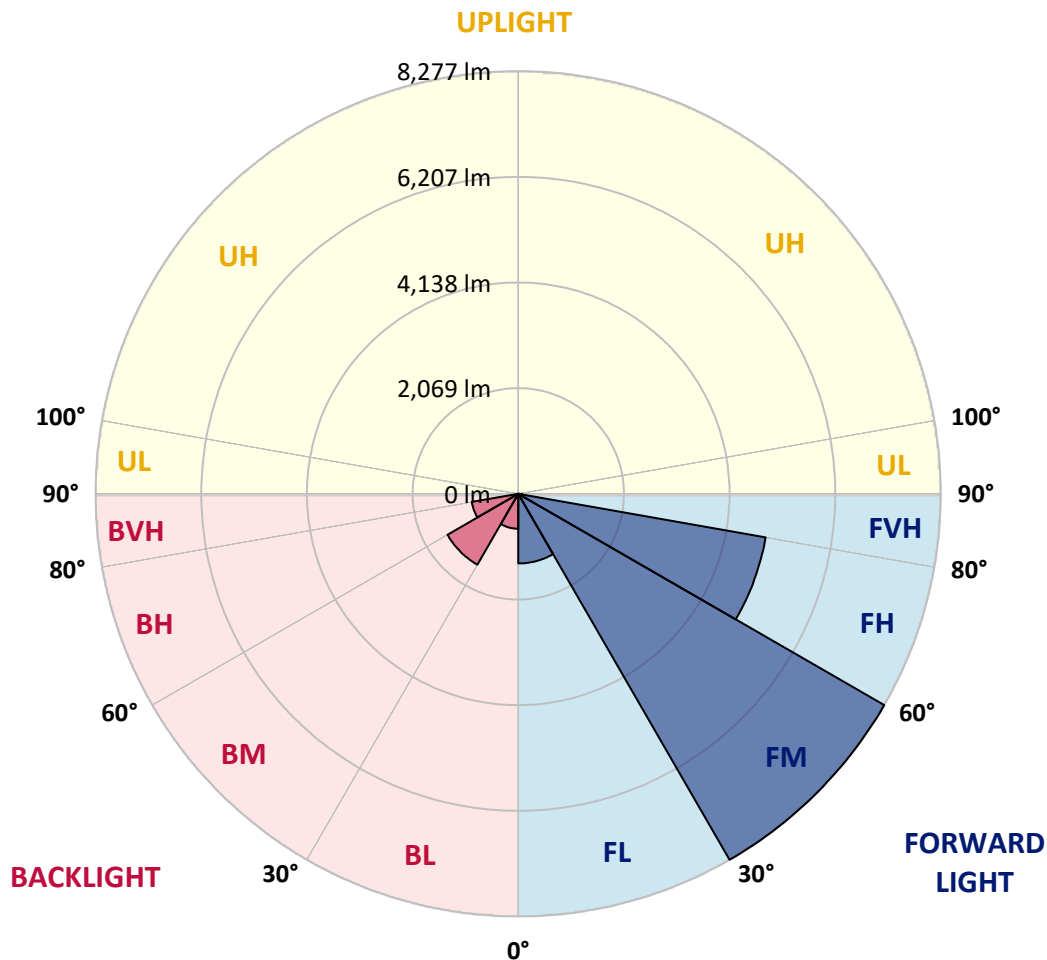


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1363.3	7.6			
FM (30°-60°)	8276.7	46.3			
FH (60°-80°)	4919.9	27.5			G2/5000
FVH (80°-90°)	73.2	0.4			G1/100
BL (0°-30°)	683.6	3.8	B2/1000		
BM (30°-60°)	1602.0	9.0	B2/2500		
BH (60°-80°)	923.9	5.2	B2/1000		G2/1000
BVH (80°-90°)	27.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5
2.5°	3129.0	3147.0	3136.7	3131.6	3122.6	3109.7	3099.4	3067.2	3033.8	3011.9
5°	3192.0	3210.1	3208.8	3213.9	3220.3	3224.2	3221.6	3185.6	3138.0	3100.7
7.5°	3138.0	3158.6	3175.3	3201.0	3246.1	3293.7	3316.8	3309.1	3260.2	3208.8
10°	2984.9	3006.8	3046.7	3107.1	3202.3	3305.3	3391.5	3431.3	3400.5	3343.9
12.5°	2704.4	2726.3	2804.8	2936.0	3095.5	3274.4	3439.1	3545.9	3553.6	3497.0
15°	2389.2	2411.1	2494.7	2659.4	2902.6	3189.5	3464.8	3666.8	3735.0	3686.1
17.5°	2193.6	2212.9	2276.0	2408.5	2662.0	3019.6	3455.8	3795.5	3951.1	3912.5
20°	2134.5	2151.2	2180.8	2273.4	2484.4	2843.4	3396.6	3916.4	4184.0	4162.1
22.5°	2197.5	2212.9	2221.9	2263.1	2395.6	2727.6	3322.0	4039.9	4454.2	4456.8
25°	2342.9	2358.3	2348.0	2373.8	2431.7	2691.6	3293.7	4185.3	4793.9	4822.2
27.5°	2582.2	2583.5	2559.0	2557.8	2566.8	2745.6	3323.3	4341.0	5222.3	5275.0
30°	3062.1	3042.8	2948.9	2847.2	2800.9	2907.7	3405.6	4525.0	5727.9	5821.8
32.5°	3801.9	3773.6	3601.2	3358.0	3113.6	3168.9	3553.6	4734.7	6278.6	6448.4
35°	4604.7	4597.0	4416.9	4055.3	3628.2	3540.7	3794.2	5010.0	6879.4	7149.6
37.5°	5350.9	5347.1	5244.2	4818.3	4298.5	4059.2	4180.1	5370.2	7522.7	7913.8
40°	6032.8	6044.4	5941.5	5560.7	5037.0	4724.4	4705.1	5815.4	8238.1	8746.3
42.5°	6622.1	6635.0	6530.8	6249.0	5766.5	5460.3	5349.7	6360.9	8936.7	9640.5
45°	7022.2	7102.0	7086.6	6861.4	6515.3	6197.5	6124.2	7045.4	9733.1	10588.7
47.5°	7135.5	7208.8	7324.6	7355.5	7144.5	6831.8	6919.3	7870.1	10538.5	11538.2
50°	6856.3	6924.5	7165.0	7485.4	7632.1	7535.6	7692.5	8754.0	11363.2	12485.1
52.5°	6305.6	6375.1	6678.7	7185.6	7783.9	8087.5	8468.4	9625.0	12162.2	13381.9
55°	5509.2	5582.5	5972.4	6546.2	7494.4	8315.3	9115.5	10494.8	12894.3	14188.6
57.5°	4425.9	4479.9	4885.2	5688.0	6766.2	8088.8	9592.8	11444.3	13583.9	14981.1
60°	2884.5	2932.1	3403.0	4298.5	5559.4	7332.3	9688.1	12503.1	14499.9	16011.7
62.5°	1918.3	1950.5	2229.7	2887.1	3915.1	5879.7	9131.0	13348.4	15843.1	17805.2
65°	1316.2	1348.4	1627.5	2085.6	2529.4	3889.4	7529.2	13236.5	17060.2	19229.4
67.5°	939.2	966.2	1203.0	1635.3	1830.8	2259.3	5103.9	11805.8	16885.3	19283.5
70°	672.9	688.3	883.9	1273.7	1455.1	1357.4	2838.2	9029.3	14784.3	17806.5
72.5°	470.9	476.0	613.7	970.1	1172.1	990.7	1350.9	6020.0	11181.8	13976.3
75°	319.1	325.5	413.0	711.5	940.5	756.5	715.3	3228.1	6564.2	7736.3
77.5°	195.6	198.1	266.3	486.3	703.8	576.4	460.6	1367.7	2539.7	2493.4
80°	110.6	110.6	169.8	302.3	479.9	371.8	322.9	581.5	804.1	706.3
82.5°	61.8	63.0	123.5	187.8	317.8	220.0	177.6	268.9	347.4	307.5
85°	25.7	28.3	75.9	88.8	151.8	109.4	72.0	113.2	128.7	114.5
87.5°	2.6	3.9	23.2	16.7	18.0	21.9	10.3	21.9	18.0	18.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2960.5	0°	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5	2960.5
3004.2	2.5°	2979.8	2960.5	2911.6	2855.0	2780.3	2744.3	2695.4	2662.0	2633.7	2636.2
3078.8	5°	3037.6	2988.8	2879.4	2743.0	2573.2	2452.2	2323.6	2234.8	2162.8	2147.3
3181.7	7.5°	3117.4	3040.2	2848.5	2602.8	2315.9	2098.4	1904.2	1779.4	1690.6	1662.3
3306.5	10°	3220.3	3108.4	2808.6	2426.5	2013.5	1736.9	1528.5	1430.7	1370.2	1349.6
3453.2	12.5°	3340.0	3186.9	2755.9	2211.7	1702.2	1435.8	1303.3	1254.4	1235.1	1228.7
3633.3	15°	3490.5	3284.7	2676.1	1956.9	1438.4	1251.9	1195.2	1188.8	1191.4	1188.8
3849.5	17.5°	3669.4	3391.5	2546.2	1694.4	1260.9	1157.9	1137.3	1142.5	1148.9	1147.6
4091.4	20°	3864.9	3497.0	2380.2	1461.6	1139.9	1091.0	1079.5	1084.6	1089.7	1087.2
4370.6	22.5°	4087.5	3610.2	2196.2	1280.2	1058.9	1029.3	1016.4	1017.7	1017.7	1012.5
4724.4	25°	4353.8	3735.0	2003.2	1151.5	997.1	974.0	958.5	953.4	945.6	930.2
5154.1	27.5°	4671.6	3867.5	1818.0	1061.4	948.2	926.3	908.3	895.5	876.2	850.4
5670.0	30°	5029.3	4028.3	1661.0	1004.8	909.6	887.8	867.2	847.9	819.6	787.4
6263.1	32.5°	5450.0	4200.7	1546.5	967.5	874.9	851.7	827.3	804.1	773.2	741.1
6929.6	35°	5951.8	4409.2	1479.6	941.8	847.9	817.0	790.0	764.2	741.1	712.8
7654.0	37.5°	6496.0	4630.5	1459.0	928.9	829.9	782.2	751.4	733.4	730.8	714.1
8437.5	40°	7091.7	4892.9	1474.4	921.2	810.6	748.8	715.3	711.5	717.9	688.3
9275.1	42.5°	7722.1	5204.3	1500.2	912.2	783.5	715.3	683.2	683.2	678.0	636.9
10160.2	45°	8404.0	5563.2	1525.9	890.3	751.4	681.9	657.4	648.4	626.6	586.7
11050.6	47.5°	9091.1	5928.6	1545.2	850.4	712.8	653.6	631.7	611.1	579.0	542.9
11924.2	50°	9743.4	6256.7	1524.6	791.3	669.0	626.6	603.4	575.1	540.4	515.9
12751.4	52.5°	10326.2	6541.0	1437.1	721.8	622.7	598.3	577.7	548.1	519.8	494.1
13497.7	55°	10833.1	6771.3	1282.7	656.2	581.5	573.8	553.2	515.9	477.3	455.5
14237.5	57.5°	11319.5	6946.3	1089.7	602.1	544.2	546.8	515.9	482.5	446.4	423.3
15234.6	60°	11966.6	7180.5	894.2	551.9	504.3	512.1	478.6	454.2	409.1	379.5
16944.5	62.5°	13001.0	7544.6	710.2	490.2	458.0	460.6	446.4	416.9	362.8	328.1
18211.7	65°	13821.9	7410.8	559.7	423.3	405.3	409.1	409.1	377.0	319.1	279.2
18279.9	67.5°	13729.3	6345.5	446.4	357.7	355.1	357.7	366.7	339.7	283.1	250.9
16887.8	70°	12647.2	5047.3	357.7	297.2	308.8	302.3	328.1	310.1	254.7	222.6
13092.4	72.5°	10319.8	3635.9	272.8	245.7	236.7	247.0	295.9	279.2	212.3	176.3
6934.7	75°	6030.3	1940.2	203.3	194.3	171.1	205.9	262.5	238.0	162.1	129.9
2125.5	77.5°	1963.3	676.7	149.2	142.8	127.4	166.0	223.9	200.7	132.5	102.9
622.7	80°	526.2	204.6	101.6	93.9	82.3	123.5	177.6	159.5	95.2	66.9
267.6	82.5°	211.0	86.2	59.2	52.8	45.0	84.9	140.2	128.7	70.8	42.5
83.6	85°	68.2	28.3	21.9	16.7	20.6	52.8	83.6	87.5	50.2	21.9
12.9	87.5°	9.0	3.9	3.9	5.1	3.9	9.0	25.7	24.4	14.2	2.6
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°
2960.5
2610.5
2112.6
1634.0
1334.2
1224.8
1187.5
1145.1
1085.9
1010.0
927.6
847.9
784.8
742.4
710.2
712.8
689.6
636.9
585.4
541.7
512.1
491.5
452.9
420.7
375.7
325.5
275.3
245.7
218.7
172.4
126.1
99.1
65.6
42.5
16.7
0.0
0.0

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