

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: P851255

Luminaire Tested: **GLAN-SB9A-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851255  
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-SB9A-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 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: 19214 lumens  
Efficiency: N/A  
Efficacy: 75.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G3

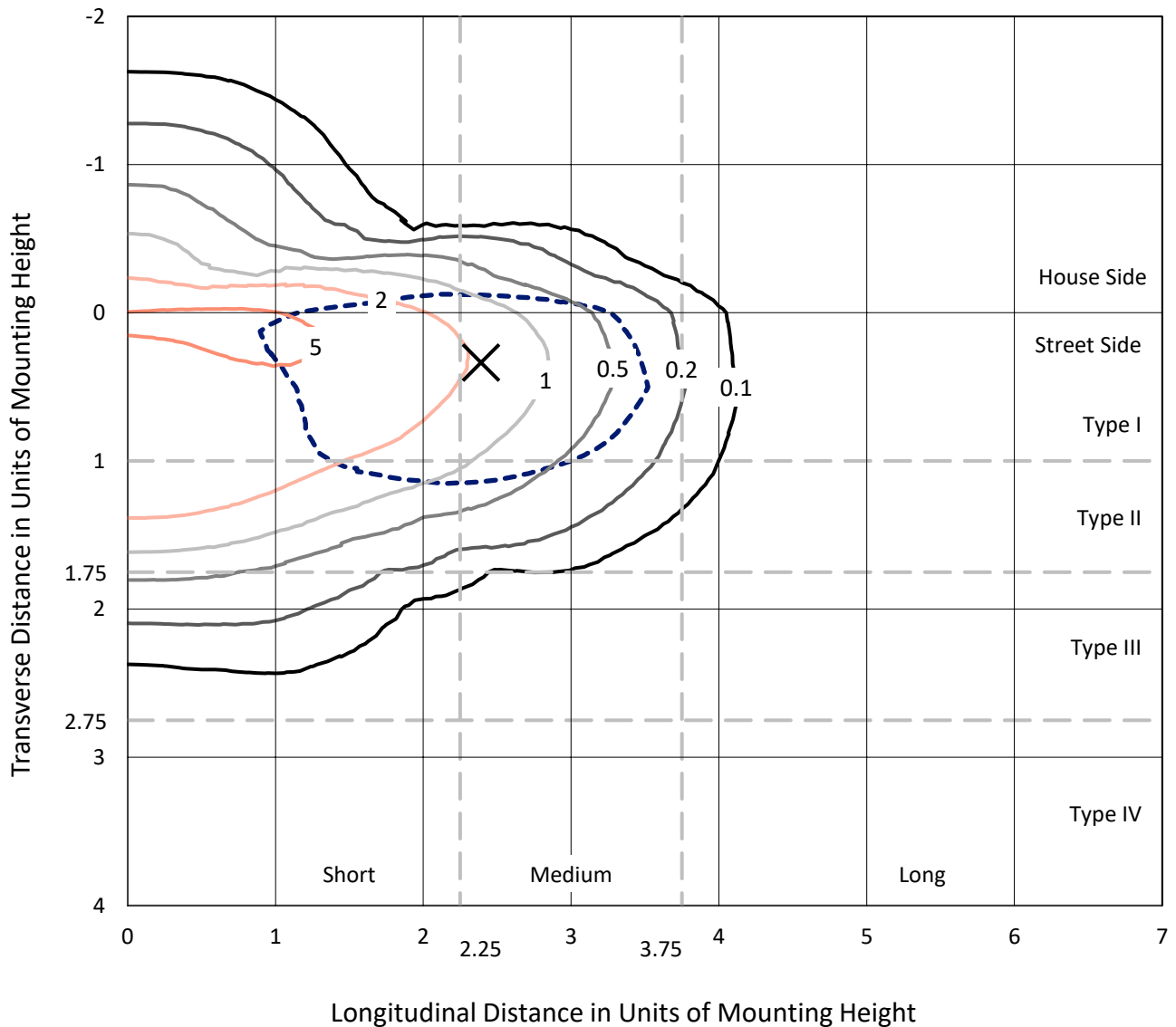
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

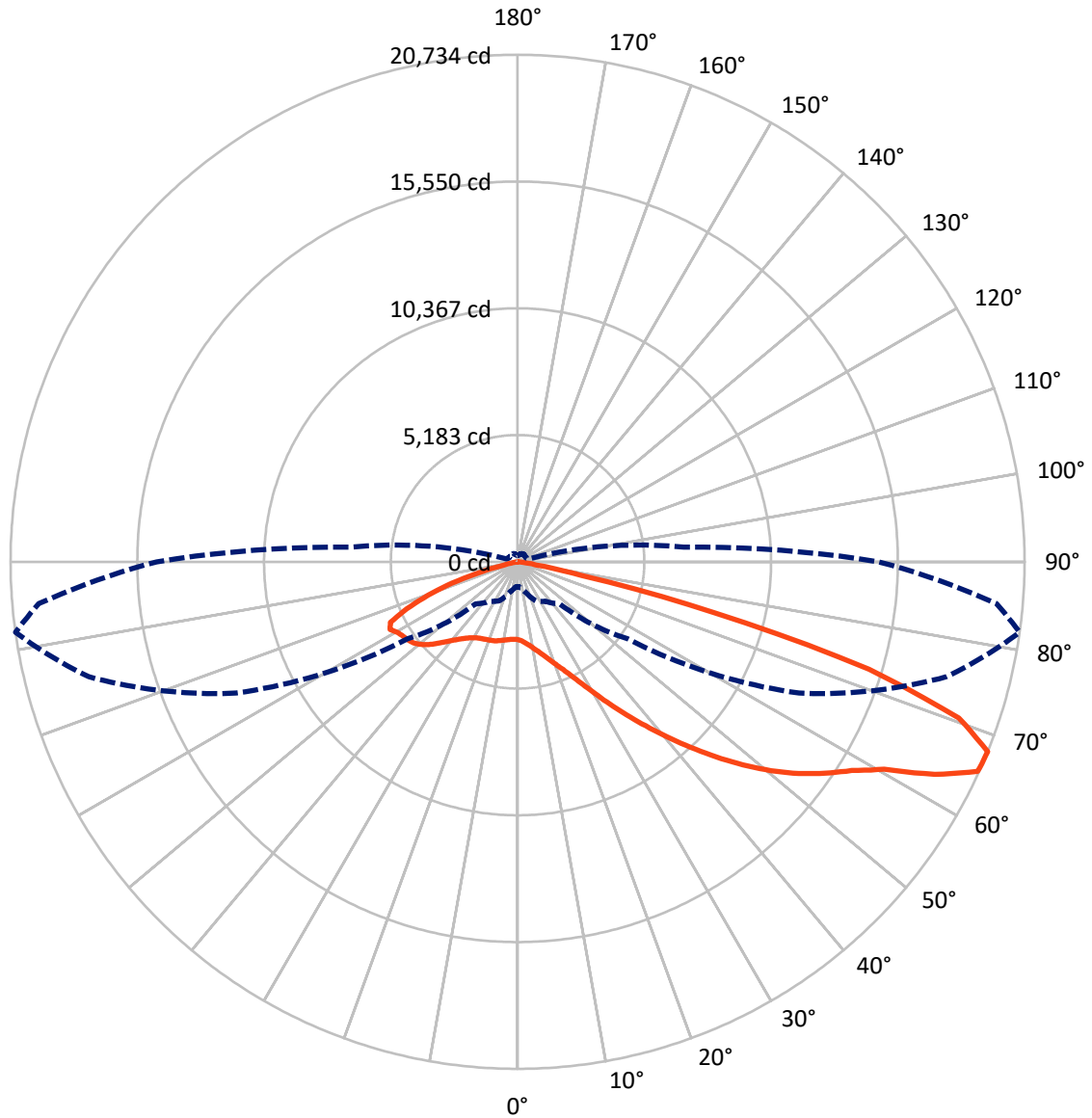
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	3480.5	0.0	3480.5
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	15733.6	0.0	15733.6
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	19214.0	0.0	19214.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	283.6	1.5
10°-20°	736.9	3.8
20°-30°	1180.3	6.1
30°-40°	2087.2	10.9
40°-50°	3657.0	19.0
50°-60°	4877.4	25.4
60°-70°	4540.6	23.6
70°-80°	1742.7	9.1
80°-90°	108.2	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°	19214.0	100.0
0°-180°	19214.0	100.0

**Coefficient of Utilization**

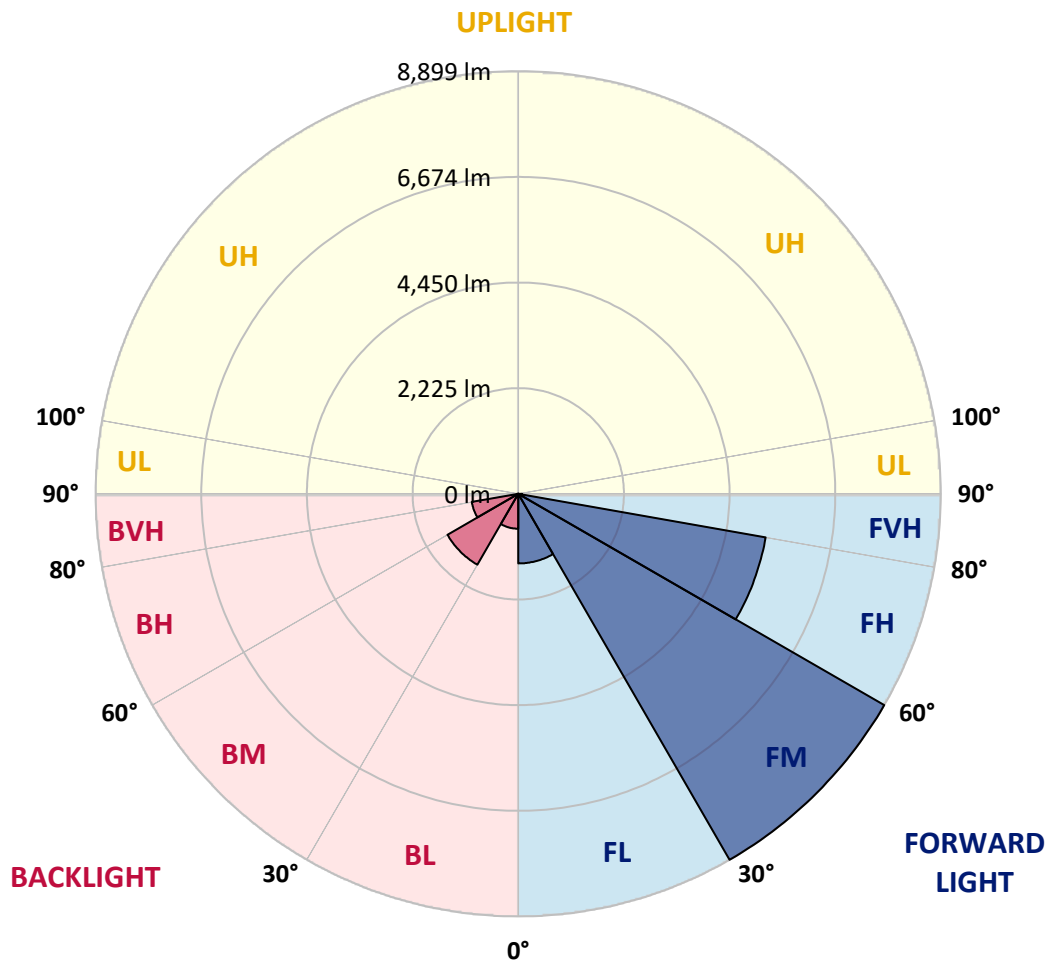


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1465.8	7.6			
FM (30°-60°)	8899.1	46.3			
FH (60°-80°)	5289.9	27.5			G3/7500
FVH (80°-90°)	78.7	0.4			G1/100
BL (0°-30°)	735.1	3.8	B2/1000		
BM (30°-60°)	1722.5	9.0	B2/2500		
BH (60°-80°)	993.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	29.5	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-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3183.1	3183.1	3183.1	3183.1	3183.1	3183.1	3183.1	3183.1	3183.1	3183.1
2.5°	3364.3	3383.7	3372.6	3367.1	3357.4	3343.6	3332.5	3297.9	3262.0	3238.4
5°	3432.1	3451.5	3450.1	3455.6	3462.5	3466.7	3463.9	3425.2	3374.0	3333.9
7.5°	3374.0	3396.1	3414.1	3441.8	3490.2	3541.4	3566.3	3558.0	3505.4	3450.1
10°	3209.4	3232.9	3275.8	3340.8	3443.2	3553.8	3646.5	3689.4	3656.2	3595.4
12.5°	2907.8	2931.3	3015.7	3156.8	3328.4	3520.6	3697.7	3812.5	3820.8	3760.0
15°	2568.9	2592.4	2682.3	2859.4	3120.9	3429.3	3725.4	3942.6	4015.9	3963.3
17.5°	2358.6	2379.4	2447.2	2589.6	2862.2	3246.7	3715.7	4080.9	4248.3	4206.8
20°	2295.0	2313.0	2344.8	2444.4	2671.3	3057.2	3652.1	4210.9	4498.7	4475.2
22.5°	2362.8	2379.4	2389.1	2433.3	2575.8	2932.7	3571.8	4343.7	4789.2	4792.0
25°	2519.1	2535.7	2524.6	2552.3	2614.5	2894.0	3541.4	4500.1	5154.4	5184.8
27.5°	2776.4	2777.8	2751.5	2750.1	2759.8	2952.1	3573.2	4667.5	5615.1	5671.8
30°	3292.4	3271.6	3170.7	3061.4	3011.6	3126.4	3661.8	4865.3	6158.7	6259.7
32.5°	4087.8	4057.4	3872.0	3610.6	3347.7	3407.2	3820.8	5090.8	6750.8	6933.4
35°	4951.0	4942.7	4749.1	4360.3	3901.1	3807.0	4079.5	5386.8	7396.8	7687.3
37.5°	5753.4	5749.2	5638.6	5180.7	4621.8	4364.5	4494.5	5774.1	8088.5	8509.0
40°	6486.6	6499.0	6388.4	5978.9	5415.9	5079.7	5058.9	6252.8	8857.6	9404.1
42.5°	7120.1	7134.0	7021.9	6719.0	6200.2	5871.0	5752.0	6839.3	9608.8	10365.5
45°	7550.4	7636.1	7619.5	7377.5	7005.3	6663.6	6584.8	7575.3	10465.1	11385.0
47.5°	7672.1	7751.0	7875.5	7908.7	7681.8	7345.6	7439.7	8462.0	11331.1	12406.0
50°	7371.9	7445.2	7703.9	8048.4	8206.1	8102.3	8271.1	9412.4	12217.8	13424.1
52.5°	6779.8	6854.5	7181.0	7726.1	8369.3	8695.8	9105.3	10348.9	13076.9	14388.3
55°	5923.5	6002.4	6421.6	7038.5	8058.1	8940.7	9801.1	11284.1	13864.0	15255.7
57.5°	4758.8	4816.9	5252.6	6115.8	7275.1	8697.2	10314.3	12305.0	14605.5	16107.8
60°	3101.5	3152.7	3659.0	4621.8	5977.5	7883.8	10416.7	13443.5	15590.5	17215.9
62.5°	2062.6	2097.2	2397.4	3104.3	4209.6	6322.0	9817.7	14352.4	17034.7	19144.3
65°	1415.2	1449.8	1749.9	2242.4	2719.7	4181.9	8095.4	14232.0	18343.3	20675.7
67.5°	1009.9	1038.9	1293.4	1758.2	1968.5	2429.2	5487.8	12693.7	18155.2	20733.8
70°	723.5	740.1	950.4	1369.5	1564.6	1459.4	3051.7	9708.4	15896.2	19145.7
72.5°	506.3	511.8	659.9	1043.1	1260.2	1065.2	1452.5	6472.7	12022.8	15027.4
75°	343.1	350.0	444.1	765.0	1011.2	813.4	769.1	3470.8	7057.9	8318.1
77.5°	210.3	213.0	286.4	522.9	756.7	619.7	495.2	1470.5	2730.8	2681.0
80°	119.0	119.0	182.6	325.1	516.0	399.8	347.2	625.3	864.6	759.5
82.5°	66.4	67.8	132.8	202.0	341.7	236.6	190.9	289.1	373.5	330.6
85°	27.7	30.4	81.6	95.5	163.2	117.6	77.5	121.7	138.3	123.1
87.5°	2.8	4.2	24.9	18.0	19.4	23.5	11.1	23.5	19.4	19.4
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°
3183.1	0°	3183.1	3183.1	3183.1	3183.1	3183.1	3183.1	3183.1	3183.1	3183.1	3183.1
3230.1	2.5°	3203.9	3183.1	3130.5	3069.7	2989.4	2950.7	2898.1	2862.2	2831.7	2834.5
3310.4	5°	3266.1	3213.5	3096.0	2949.3	2766.7	2636.7	2498.3	2402.9	2325.4	2308.8
3421.0	7.5°	3351.9	3268.9	3062.8	2798.5	2490.0	2256.3	2047.4	1913.2	1817.7	1787.3
3555.2	10°	3462.5	3342.2	3019.9	2609.0	2165.0	1867.5	1643.4	1538.3	1473.3	1451.1
3712.9	12.5°	3591.2	3426.6	2963.2	2378.0	1830.2	1543.8	1401.3	1348.8	1328.0	1321.1
3906.6	15°	3753.1	3531.7	2877.4	2104.1	1546.6	1346.0	1285.1	1278.2	1281.0	1278.2
4139.0	17.5°	3945.3	3646.5	2737.7	1821.9	1355.7	1245.0	1222.9	1228.4	1235.3	1234.0
4399.1	20°	4155.6	3760.0	2559.2	1571.5	1225.7	1173.1	1160.6	1166.2	1171.7	1168.9
4699.3	22.5°	4394.9	3881.7	2361.4	1376.4	1138.5	1106.7	1092.9	1094.2	1094.2	1088.7
5079.7	25°	4681.3	4015.9	2153.9	1238.1	1072.1	1047.2	1030.6	1025.1	1016.8	1000.2
5541.7	27.5°	5023.0	4158.4	1954.7	1141.3	1019.5	996.0	976.7	962.8	942.1	914.4
6096.5	30°	5407.6	4331.3	1785.9	1080.4	978.0	954.5	932.4	911.6	881.2	846.6
6734.2	32.5°	5859.9	4516.7	1662.8	1040.3	940.7	915.8	889.5	864.6	831.4	796.8
7450.8	35°	6399.4	4740.8	1590.9	1012.6	911.6	878.4	849.4	821.7	796.8	766.4
8229.6	37.5°	6984.6	4978.7	1568.7	998.8	892.3	841.1	807.9	788.5	785.7	767.8
9072.1	40°	7625.1	5260.9	1585.3	990.5	871.5	805.1	769.1	765.0	771.9	740.1
9972.6	42.5°	8302.9	5595.7	1613.0	980.8	842.5	769.1	734.6	734.6	729.0	684.8
10924.4	45°	9036.1	5981.6	1640.7	957.3	807.9	733.2	706.9	697.2	673.7	630.8
11881.7	47.5°	9774.8	6374.5	1661.4	914.4	766.4	702.7	679.2	657.1	622.5	583.8
12821.0	50°	10476.2	6727.3	1639.3	850.8	719.3	673.7	648.8	618.4	581.0	554.7
13710.5	52.5°	11102.8	7033.0	1545.2	776.1	669.5	643.3	621.1	589.3	558.9	531.2
14512.8	55°	11647.9	7280.6	1379.2	705.5	625.3	617.0	594.8	554.7	513.2	489.7
15308.3	57.5°	12170.8	7468.8	1171.7	647.4	585.2	587.9	554.7	518.8	480.0	455.1
16380.4	60°	12866.6	7720.5	961.4	593.5	542.3	550.6	514.6	488.3	439.9	408.1
18218.8	62.5°	13978.8	8112.0	763.6	527.1	492.5	495.2	480.0	448.2	390.1	352.8
19581.4	65°	14861.4	7968.1	601.8	455.1	435.8	439.9	439.9	405.3	343.1	300.2
19654.8	67.5°	14761.8	6822.7	480.0	384.6	381.8	384.6	394.3	365.2	304.3	269.8
18158.0	70°	13598.4	5426.9	384.6	319.6	332.0	325.1	352.8	333.4	273.9	239.3
14077.1	72.5°	11095.9	3909.4	293.3	264.2	254.5	265.6	318.2	300.2	228.3	189.5
7456.3	75°	6483.8	2086.1	218.6	208.9	184.0	221.3	282.2	255.9	174.3	139.7
2285.3	77.5°	2111.0	727.6	160.5	153.6	137.0	178.5	240.7	215.8	142.5	110.7
669.5	80°	565.8	220.0	109.3	101.0	88.5	132.8	190.9	171.5	102.4	71.9
287.7	82.5°	226.9	92.7	63.6	56.7	48.4	91.3	150.8	138.3	76.1	45.7
89.9	85°	73.3	30.4	23.5	18.0	22.1	56.7	89.9	94.1	54.0	23.5
13.8	87.5°	9.7	4.2	4.2	5.5	4.2	9.7	27.7	26.3	15.2	2.8
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°
3183.1
2806.8
2271.5
1756.9
1434.5
1317.0
1276.8
1231.2
1167.6
1085.9
997.4
911.6
843.8
798.2
763.6
766.4
741.5
684.8
629.4
582.4
550.6
528.4
486.9
452.4
403.9
350.0
296.0
264.2
235.2
185.4
135.6
106.5
70.6
45.7
18.0
0.0
0.0

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