

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: P853156

Luminaire Tested: **GLAN-SB9A-840-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853156  
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-SB9A-840-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 4000K, 350mA 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: 27511 lumens  
Efficiency: N/A  
Efficacy: 107.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

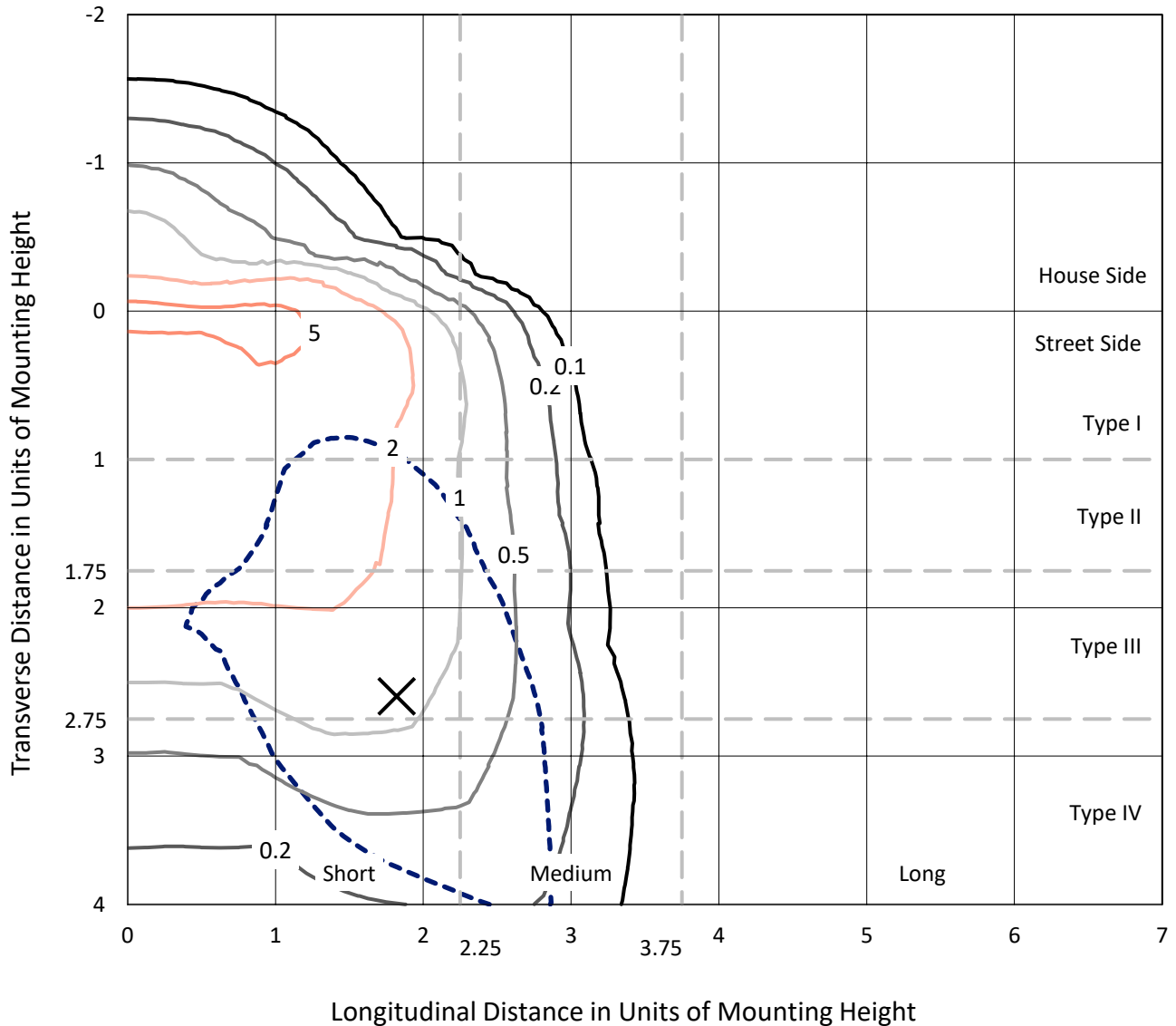
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

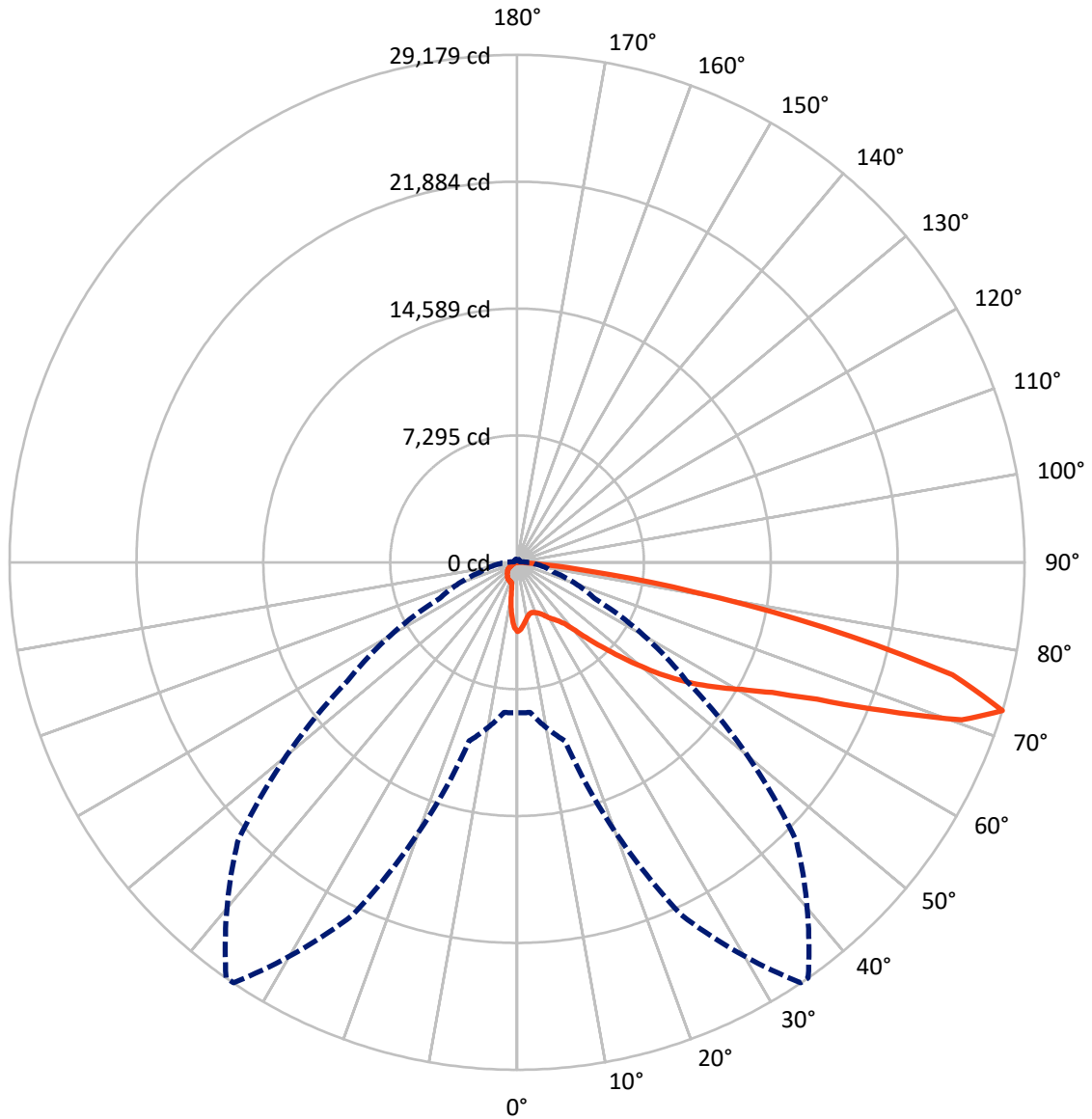
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	3096.2	0.0	3096.2
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	24414.8	0.0	24414.8
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	27511.0	0.0	27511.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	327.6	1.2
10°-20°	766.5	2.8
20°-30°	1245.1	4.5
30°-40°	2077.5	7.6
40°-50°	3930.7	14.3
50°-60°	6245.9	22.7
60°-70°	7726.6	28.1
70°-80°	4802.9	17.5
80°-90°	388.1	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°	27511.0	100.0
0°-180°	27511.0	100.0

**Coefficient of Utilization**

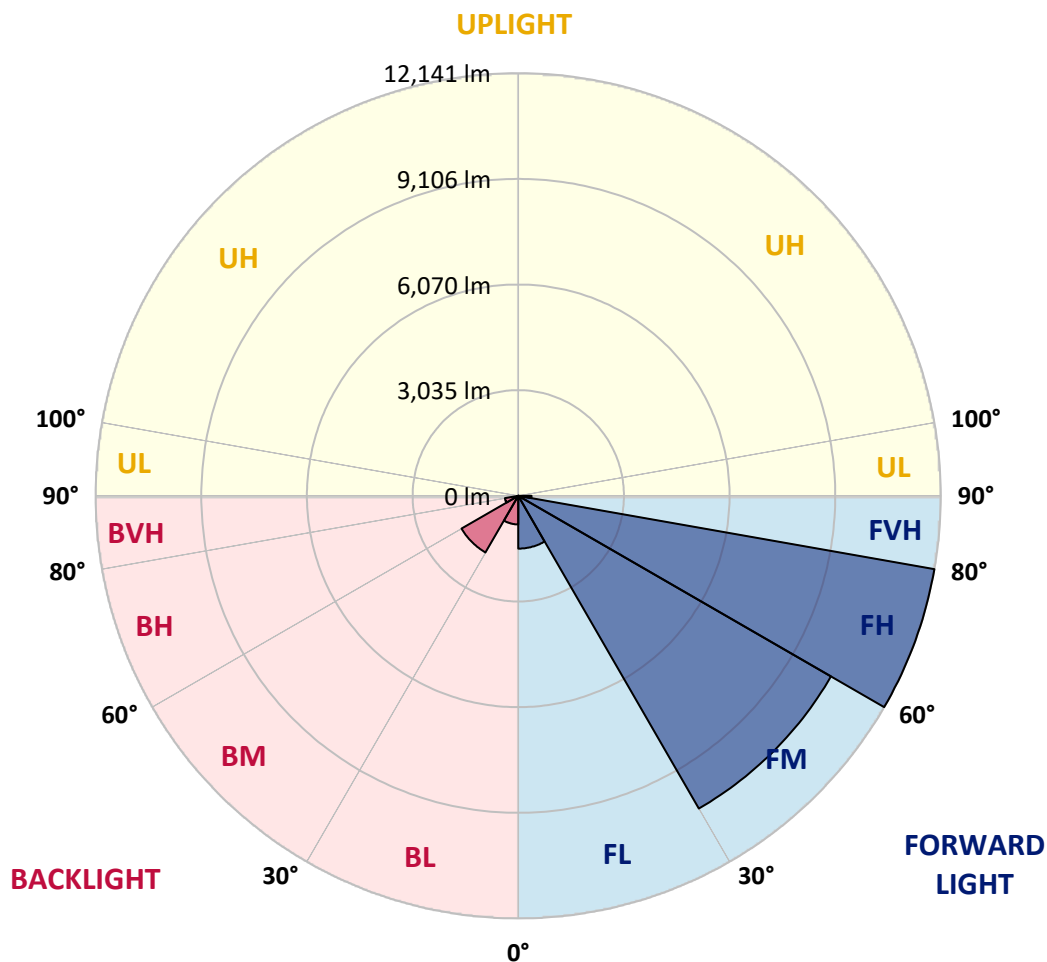


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1516.6	5.5			
FM (30°-60°)	10374.4	37.7			
FH (60°-80°)	12140.9	44.1			G5
FVH (80°-90°)	382.9	1.4			G3/500
BL (0°-30°)	822.7	3.0	B2/1000		
BM (30°-60°)	1879.7	6.8	B2/2500		
BH (60°-80°)	388.5	1.4	B1/500		G1/500
BVH (80°-90°)	5.3	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-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3987.3	3987.3	3987.3	3987.3	3987.3	3987.3	3987.3	3987.3	3987.3	3987.3
2.5°	3809.9	3842.1	3848.2	3858.3	3858.3	3870.3	3890.5	3918.7	3965.1	3989.3
5°	3511.5	3535.7	3566.0	3590.2	3636.5	3642.6	3721.2	3797.8	3904.6	3985.3
7.5°	3211.2	3239.4	3279.7	3338.2	3398.7	3416.8	3535.7	3664.7	3834.1	3985.3
10°	2999.5	3001.5	3037.8	3096.3	3193.0	3215.2	3360.4	3543.8	3755.4	3961.1
12.5°	2880.6	2894.7	2910.8	2955.2	3047.9	3062.0	3217.2	3432.9	3676.8	3947.0
15°	2880.6	2890.7	2900.7	2922.9	2997.5	3009.6	3146.7	3362.4	3636.5	3953.0
17.5°	2910.8	2927.0	2918.9	2945.1	3023.7	3031.8	3152.7	3342.2	3634.5	3991.3
20°	2983.4	2995.5	2979.4	2995.5	3074.1	3090.2	3215.2	3380.5	3668.8	4057.8
22.5°	3098.3	3104.3	3066.0	3078.1	3158.8	3178.9	3324.1	3489.4	3751.4	4164.7
25°	3243.4	3255.5	3197.1	3211.2	3287.8	3312.0	3479.3	3652.6	3882.4	4311.8
27.5°	3410.7	3416.8	3366.4	3364.4	3463.2	3497.4	3666.8	3854.2	4057.8	4497.3
30°	3602.2	3620.4	3572.0	3563.9	3688.9	3717.1	3884.5	4102.2	4315.8	4775.4
32.5°	3753.4	3767.5	3739.3	3759.5	3886.5	3908.6	4148.5	4452.9	4721.0	5170.5
35°	3971.1	3979.2	3914.7	3951.0	4096.1	4152.6	4509.4	4944.8	5231.0	5666.4
37.5°	4759.3	4759.3	4485.2	4305.8	4444.9	4495.2	5003.2	5563.6	5860.0	6331.6
40°	5849.9	5831.7	5430.6	5063.7	5045.6	5144.3	5706.7	6343.7	6672.3	7129.9
42.5°	7013.0	6984.8	6438.5	6075.6	6015.2	6049.4	6519.1	7305.3	7639.9	8103.5
45°	8045.1	8037.0	7537.1	7049.3	6940.4	7049.3	7533.1	8430.1	8670.0	9157.8
47.5°	8909.9	8909.9	8545.0	8226.5	8170.1	8234.6	8905.8	9677.9	9655.7	10280.6
50°	9905.7	9897.6	9550.9	9413.8	9472.3	9563.0	10486.2	10992.2	10675.7	11383.3
52.5°	10603.1	10651.5	10532.6	10510.4	10808.8	10966.0	12090.8	12278.3	11588.9	12429.5
55°	11155.5	11211.9	11349.0	11504.2	12078.7	12284.3	13645.0	13497.8	12352.9	13336.6
57.5°	11937.6	11857.0	12068.6	12375.0	13304.3	13552.3	15150.8	14648.9	12967.7	14072.3
60°	12887.1	12899.1	12935.4	13322.5	14527.9	14846.4	16634.4	15737.4	13362.8	14523.9
62.5°	14028.0	14046.1	14120.7	14715.4	16170.8	16471.2	18214.8	16628.4	13544.2	14396.9
65°	13949.4	14026.0	14858.5	16892.5	18668.4	18964.7	20059.3	17253.3	13270.1	13235.8
67.5°	12707.6	12832.6	14225.6	19492.9	22433.9	22764.5	22288.8	17376.3	12086.8	10292.7
70°	11078.9	11123.2	12798.4	21831.2	26794.1	27128.7	24284.4	16023.7	9171.9	5741.0
72.5°	8651.8	8661.9	10627.3	22373.4	29160.7	29178.8	22718.1	11895.3	4932.7	2205.3
75°	6180.5	6120.0	7117.8	18144.3	25655.2	25860.8	17031.6	5579.8	1884.8	1042.2
77.5°	3314.0	3380.5	4027.6	10760.4	17723.0	18073.7	9292.9	1608.6	959.5	709.6
80°	1024.0	1080.5	1650.9	4926.6	10038.7	10250.4	3445.0	715.6	669.2	506.0
82.5°	322.5	334.6	770.0	2070.2	4166.7	4263.4	997.8	405.2	457.6	334.6
85°	92.7	94.7	342.7	772.1	1030.1	1050.2	280.2	157.2	262.1	207.6
87.5°	10.1	32.3	129.0	129.0	90.7	88.7	30.2	34.3	74.6	26.2
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°
3987.3	0°	3987.3	3987.3	3987.3	3987.3	3987.3	3987.3	3987.3	3987.3	3987.3	3987.3
4005.4	2.5°	3995.3	3997.3	3971.1	3926.8	3878.4	3838.1	3787.7	3747.4	3719.2	3711.1
4041.7	5°	4023.6	4009.4	3934.9	3799.8	3638.5	3499.4	3344.2	3221.3	3140.6	3106.4
4080.0	7.5°	4065.9	4025.6	3862.3	3596.2	3287.8	3013.6	2735.5	2519.8	2382.7	2314.1
4116.3	10°	4102.2	4021.5	3741.3	3301.9	2830.2	2414.9	2040.0	1780.0	1634.8	1566.3
4158.6	12.5°	4136.4	4019.5	3584.1	2953.2	2314.1	1806.2	1457.4	1328.4	1288.1	1274.0
4227.1	15°	4200.9	4025.6	3386.6	2554.0	1800.1	1364.7	1237.7	1235.7	1243.8	1239.7
4332.0	17.5°	4289.6	4031.6	3162.8	2130.7	1388.9	1203.4	1197.4	1215.5	1227.6	1221.6
4463.0	20°	4404.5	4055.8	2924.9	1711.4	1193.4	1163.1	1177.2	1193.4	1203.4	1193.4
4638.4	22.5°	4565.8	4098.1	2664.9	1374.8	1130.9	1138.9	1151.0	1169.2	1179.2	1165.1
4862.1	25°	4763.4	4164.7	2408.9	1195.4	1100.6	1110.7	1128.9	1149.0	1161.1	1147.0
5144.3	27.5°	5019.4	4271.5	2173.0	1155.1	1070.4	1076.4	1102.6	1132.9	1149.0	1130.9
5545.5	30°	5390.3	4446.9	1969.4	1173.2	1052.3	1038.1	1074.4	1116.8	1134.9	1118.8
6091.8	32.5°	5882.1	4694.8	1844.5	1201.4	1044.2	993.8	1028.1	1082.5	1112.7	1102.6
6805.4	35°	6527.2	5071.8	1796.1	1233.7	1038.1	947.4	971.6	1030.1	1082.5	1092.6
7704.4	37.5°	7309.3	5595.9	1810.2	1247.8	1020.0	909.1	921.2	971.6	1040.2	1072.4
8716.3	40°	8198.3	6206.7	1890.8	1233.7	999.8	876.9	878.9	917.2	977.7	1026.0
9804.9	42.5°	9115.5	6920.3	2040.0	1181.3	981.7	848.7	842.6	868.8	909.1	943.4
10891.4	45°	9988.3	7654.0	2187.2	1108.7	959.5	820.4	806.3	816.4	824.5	838.6
11949.7	47.5°	10750.3	8170.1	2144.8	1042.2	929.3	788.2	764.0	760.0	735.8	733.8
12895.1	50°	11276.4	8283.0	1904.9	975.7	884.9	751.9	713.6	689.4	647.1	626.9
13602.7	52.5°	11443.7	7837.5	1556.2	909.1	812.4	703.5	649.1	610.8	558.4	540.2
14009.9	55°	11222.0	6964.6	1243.8	828.5	711.6	639.0	578.5	528.1	485.8	463.6
14054.2	57.5°	10679.7	5853.9	983.7	733.8	604.7	566.4	506.0	455.6	419.3	397.1
13562.3	60°	9780.7	4648.5	778.1	620.9	516.0	487.8	425.3	393.1	360.8	334.6
12292.4	62.5°	8416.0	3318.0	610.8	491.9	431.4	399.1	362.8	338.7	300.4	264.1
10008.5	65°	6567.5	2029.9	471.7	360.8	346.7	330.6	308.4	286.2	239.9	203.6
6529.2	67.5°	4142.5	961.5	336.6	272.1	274.1	266.1	256.0	237.9	203.6	171.3
2924.9	70°	1824.3	465.7	221.7	207.6	203.6	203.6	211.7	205.6	173.4	143.1
1016.0	72.5°	620.9	250.0	165.3	157.2	147.2	145.1	177.4	171.3	139.1	110.9
506.0	75°	324.5	167.3	120.9	112.9	88.7	106.8	141.1	133.0	98.8	72.6
334.6	77.5°	211.7	118.9	82.6	72.6	50.4	70.6	104.8	92.7	58.5	36.3
219.7	80°	133.0	78.6	48.4	34.3	24.2	38.3	56.4	40.3	22.2	8.1
129.0	82.5°	70.6	40.3	18.1	12.1	10.1	12.1	14.1	10.1	4.0	0.0
66.5	85°	28.2	14.1	6.0	4.0	2.0	0.0	4.0	2.0	0.0	0.0
12.1	87.5°	10.1	2.0	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°
3987.3
3725.2
3118.5
2324.2
1568.3
1270.0
1237.7
1219.6
1191.3
1163.1
1145.0
1130.9
1116.8
1102.6
1092.6
1080.5
1042.2
957.5
846.6
731.7
628.9
538.2
463.6
393.1
328.6
258.0
197.5
167.3
137.1
104.8
66.5
32.3
6.0
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