

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: P851237

Luminaire Tested: **GLAN-SB9A-840-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851237  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9A-840-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

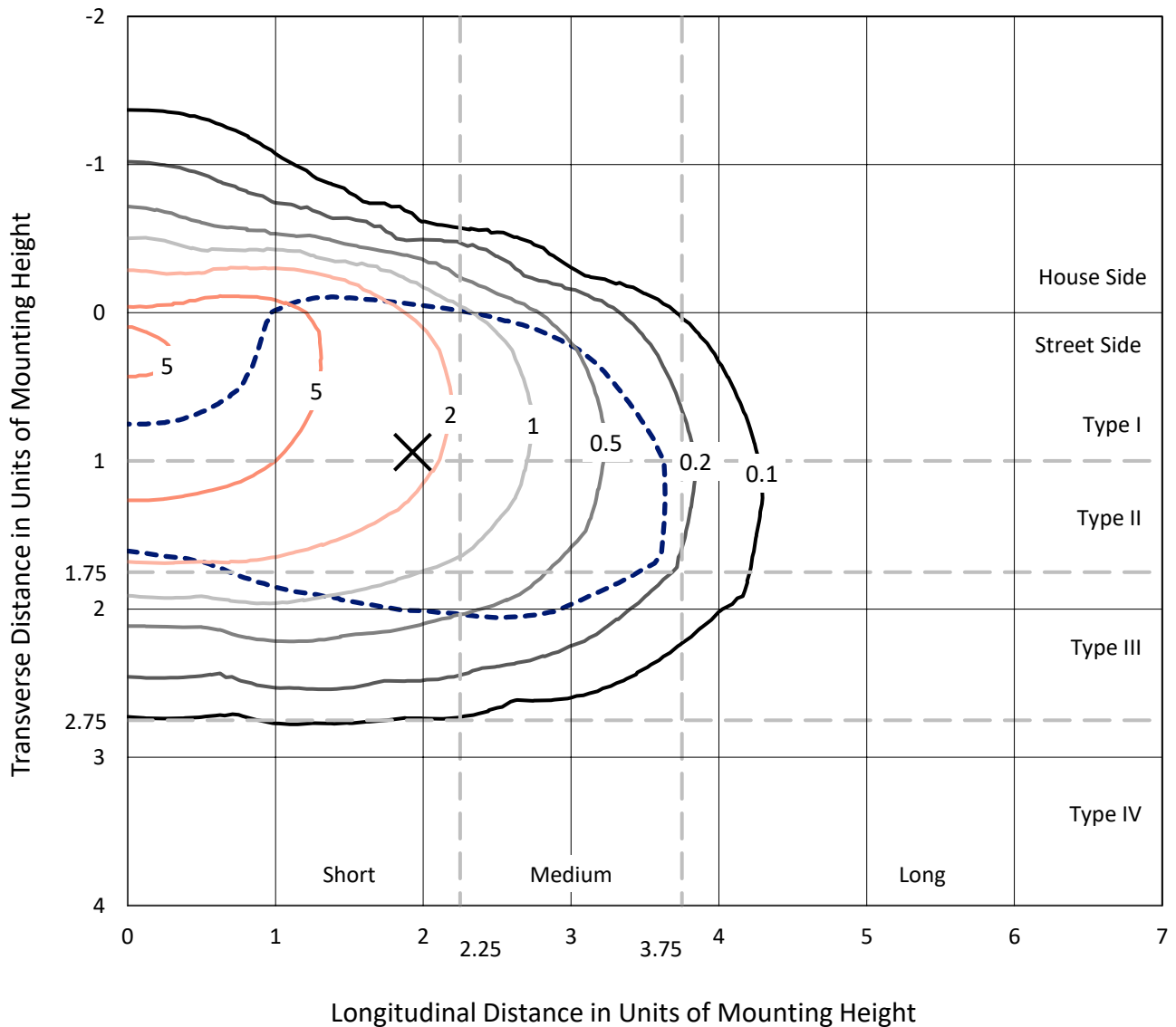
Lumens per Lamp: N/A  
Luminaire Lumens: 28497 lumens  
Efficiency: N/A  
Efficacy: 111.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): 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

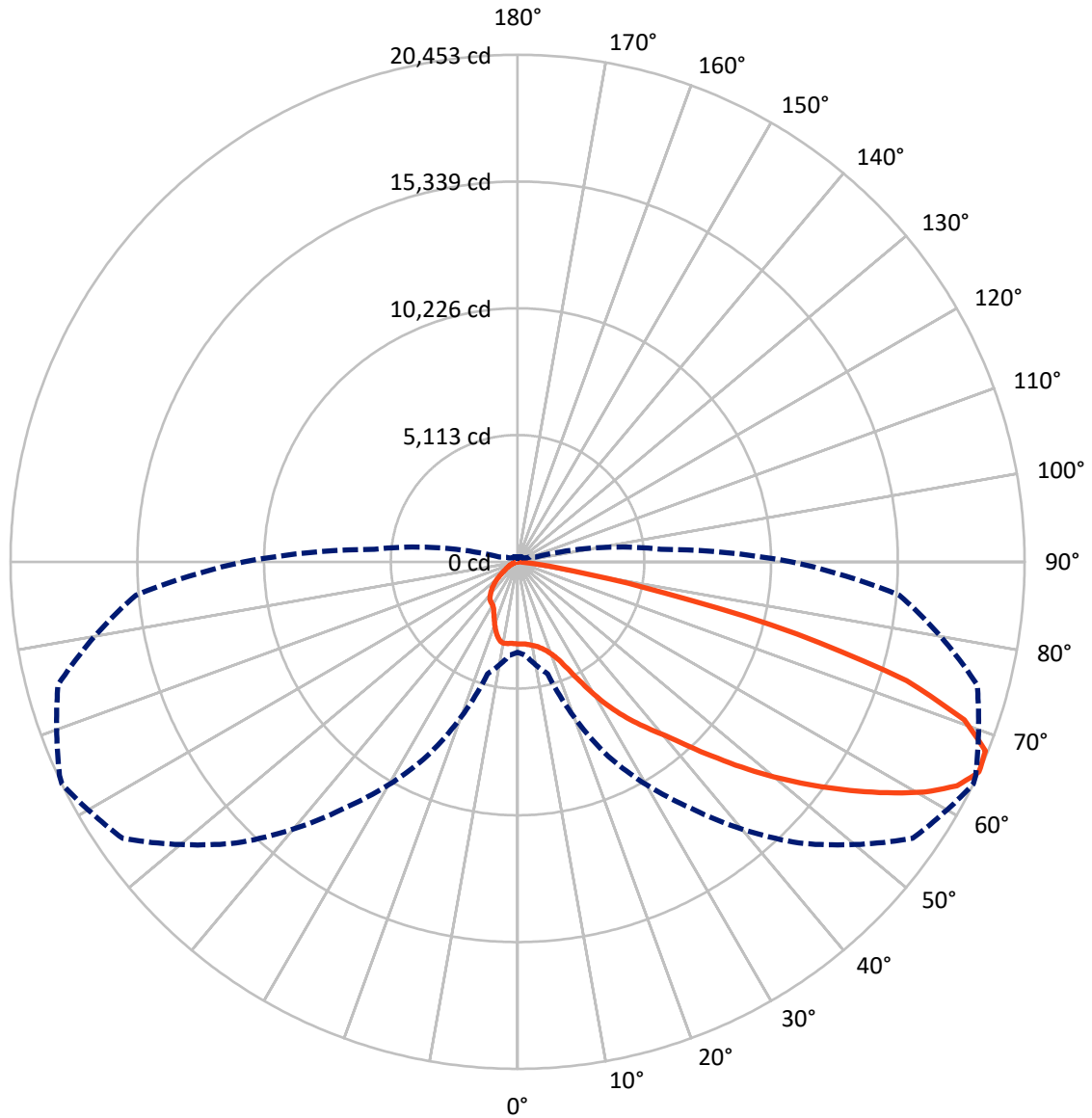
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3810.9	0.0	3810.9
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	24686.1	0.0	24686.1
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	28497.0	0.0	28497.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.8	1.1
10°-20°	829.4	2.9
20°-30°	1571.6	5.5
30°-40°	3180.3	11.2
40°-50°	5417.6	19.0
50°-60°	7367.6	25.9
60°-70°	6918.5	24.3
70°-80°	2771.9	9.7
80°-90°	134.3	0.5
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°	28497.0	100.0
0°-180°	28497.0	100.0

**Coefficient of Utilization**



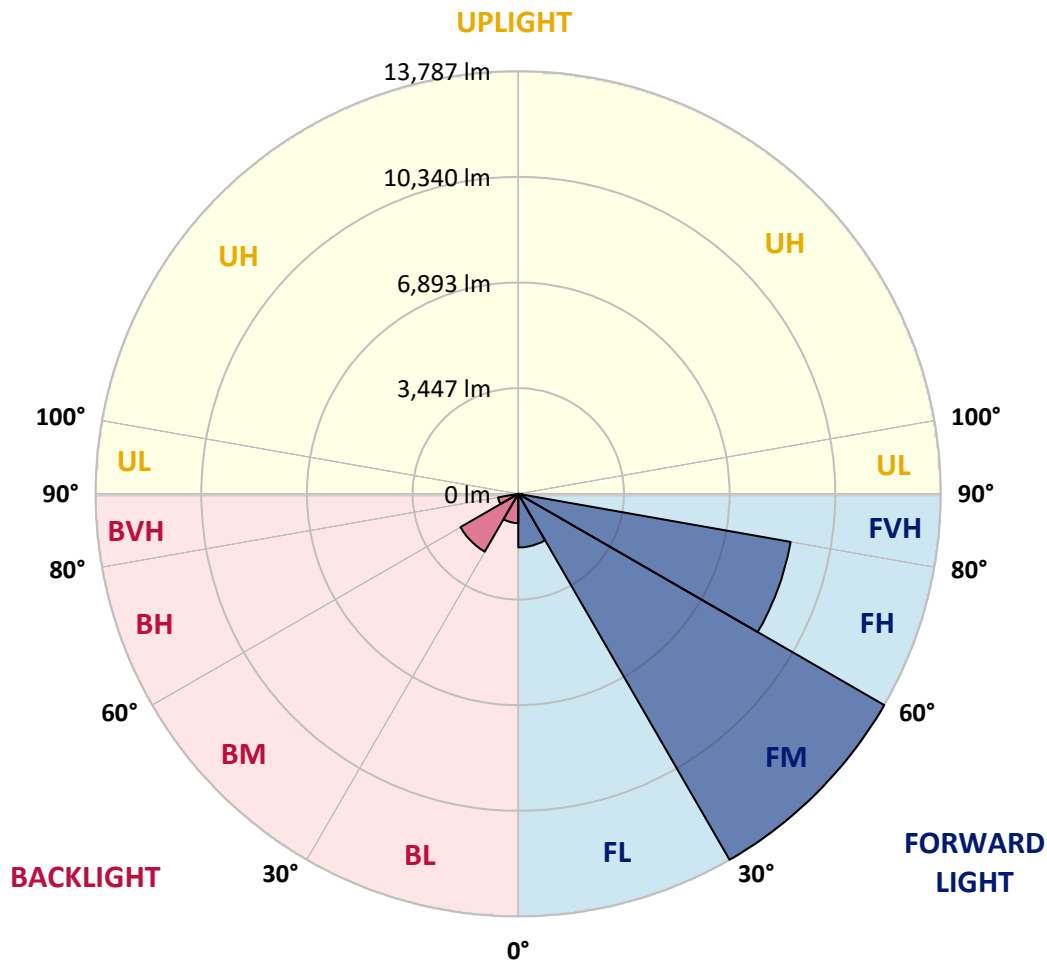
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1750.0	6.1			
FM (30°-60°)	13786.8	48.4			
FH (60°-80°)	9021.5	31.7			G4/12000
FVH (80°-90°)	127.7	0.4			G2/225
BL (0°-30°)	956.8	3.4	B2/1000		
BM (30°-60°)	2178.7	7.6	B2/2500		
BH (60°-80°)	668.9	2.3	B2/1000		G2/1000
BVH (80°-90°)	6.6	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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	3314.5	3314.5	3314.5	3314.5	3314.5	3314.5	3314.5	3314.5	3314.5	3314.5
2.5°	3303.0	3326.0	3320.2	3314.5	3312.6	3316.4	3318.3	3316.4	3316.4	3316.4
5°	3240.0	3259.1	3259.1	3272.5	3291.6	3314.5	3331.7	3335.5	3339.3	3345.1
7.5°	3119.6	3134.9	3146.4	3190.3	3238.1	3299.2	3350.8	3377.5	3381.4	3402.4
10°	3037.5	3056.6	3075.7	3121.5	3190.3	3282.0	3369.9	3434.9	3444.4	3494.1
12.5°	3033.7	3052.8	3077.6	3127.3	3207.5	3304.9	3411.9	3505.5	3522.7	3595.3
15°	3073.8	3096.7	3119.6	3180.8	3266.7	3385.2	3499.8	3616.3	3633.5	3736.7
17.5°	3155.9	3186.5	3203.7	3264.8	3356.5	3488.3	3639.3	3773.0	3788.3	3908.6
20°	3318.3	3354.6	3360.3	3410.0	3499.8	3641.2	3820.7	3986.9	4006.1	4143.6
22.5°	3654.5	3706.1	3660.3	3685.1	3765.3	3906.7	4101.6	4311.7	4338.5	4495.1
25°	4246.8	4319.4	4200.9	4158.9	4193.3	4340.4	4584.9	4850.4	4881.0	5007.1
27.5°	5410.2	5316.6	5137.0	4961.2	4858.1	4942.1	5217.2	5545.8	5584.0	5706.3
30°	6688.2	6606.1	6363.5	5973.7	5729.2	5715.8	5969.9	6336.7	6380.6	6497.2
32.5°	7968.2	7889.8	7626.2	7146.7	6722.6	6512.5	6688.2	7095.1	7118.0	7192.6
35°	9227.1	9146.9	8883.2	8392.3	7870.7	7393.1	7358.8	7817.2	7824.9	7903.2
37.5°	10493.7	10426.8	10146.0	9664.6	9150.7	8491.6	8172.6	8501.2	8510.7	8587.1
40°	11397.3	11425.9	11233.0	10860.5	10419.2	9699.0	9085.7	9229.0	9171.7	9299.7
42.5°	12172.9	12230.2	12062.1	11874.9	11618.9	10984.6	10216.7	10191.8	10100.1	10168.9
45°	12843.4	12891.2	12740.3	12696.3	12690.6	12245.5	11452.7	11303.7	11175.7	11162.3
47.5°	13089.9	13181.6	13246.5	13393.6	13680.2	13493.0	12730.7	12499.6	12356.3	12251.2
50°	13183.5	13280.9	13502.5	13930.4	14608.6	14688.9	14003.0	13743.2	13567.5	13376.4
52.5°	13057.4	13231.2	13529.3	14249.5	15233.3	15647.9	15223.8	14996.4	14795.8	14484.4
55°	12314.3	12488.1	13097.5	14245.7	15544.7	16320.3	16377.6	16276.4	16051.0	15560.0
57.5°	10747.8	11005.7	11970.4	13760.4	15539.0	16899.2	17508.6	17581.2	17329.0	16626.0
60°	8577.6	8927.2	10104.0	12684.9	15059.5	17212.5	18500.1	18863.0	18595.6	17676.7
62.5°	5985.2	6390.2	7503.9	10999.9	13962.9	16987.0	19224.1	19894.6	19692.1	18616.6
65°	3650.7	3780.6	4678.5	8655.9	12098.4	16043.3	19447.6	20452.5	20385.6	19191.6
67.5°	2431.9	2540.8	2798.7	5935.5	9391.4	14157.8	18912.7	20355.0	20374.1	19098.0
70°	1465.3	1558.9	1727.0	3452.0	6086.4	11206.2	17256.4	19113.3	19224.1	17846.7
72.5°	603.7	666.7	819.5	1564.6	3152.1	7112.3	13741.3	16410.1	16668.0	15006.0
75°	342.0	374.4	481.4	785.2	1367.8	3314.5	8323.5	11649.5	12029.6	10342.8
77.5°	227.3	242.6	311.4	508.2	769.9	1130.9	3557.1	6069.3	6795.2	5649.0
80°	152.8	166.2	214.0	340.0	500.5	485.2	1132.9	2248.5	2766.2	1940.9
82.5°	103.2	105.1	152.8	223.5	317.1	235.0	334.3	699.2	878.8	561.6
85°	59.2	57.3	112.7	129.9	141.4	97.4	101.2	210.1	275.1	236.9
87.5°	7.6	11.5	43.9	34.4	19.1	21.0	21.0	36.3	53.5	57.3
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°
3314.5	0°	3314.5	3314.5	3314.5	3314.5	3314.5	3314.5	3314.5	3314.5	3314.5	3314.5
3318.3	2.5°	3318.3	3316.4	3310.7	3304.9	3291.6	3283.9	3287.8	3283.9	3282.0	3283.9
3343.2	5°	3343.2	3337.4	3322.1	3303.0	3276.3	3243.8	3222.8	3192.2	3163.6	3146.4
3410.0	7.5°	3410.0	3404.3	3383.3	3329.8	3243.8	3108.2	2984.0	2875.1	2793.0	2745.2
3517.0	10°	3517.0	3507.4	3475.0	3356.5	3131.1	2835.0	2588.6	2384.1	2250.4	2187.4
3643.1	12.5°	3643.1	3631.6	3574.3	3331.7	2917.1	2454.8	2114.8	1887.4	1763.3	1707.9
3788.3	15°	3792.1	3776.8	3664.1	3213.2	2605.7	2034.5	1723.2	1553.1	1472.9	1423.2
3973.6	17.5°	3977.4	3950.7	3731.0	3035.6	2267.6	1713.6	1482.4	1354.5	1283.8	1236.0
4216.2	20°	4218.1	4174.2	3784.4	2823.5	1956.2	1511.1	1320.1	1213.1	1159.6	1117.6
4560.1	22.5°	4554.3	4491.3	3849.4	2594.3	1736.5	1371.6	1199.7	1121.4	1077.5	1029.7
5039.6	25°	4970.8	4896.3	3929.6	2382.2	1585.6	1251.3	1111.8	1046.9	995.3	939.9
5668.1	27.5°	5553.5	5419.7	4025.2	2208.4	1455.7	1148.1	1031.6	959.0	899.8	853.9
6380.6	30°	6203.0	5983.3	4109.2	2103.3	1337.3	1052.6	926.5	853.9	798.5	766.1
7020.6	32.5°	6818.1	6520.1	4164.6	2057.5	1230.3	943.7	811.9	733.6	691.6	682.0
7647.2	35°	7398.9	7005.3	4158.9	2013.5	1134.8	834.8	699.2	619.0	586.5	592.2
8321.6	37.5°	8067.5	7523.0	4118.8	1944.8	1056.4	735.5	601.8	531.1	502.4	504.3
9141.1	40°	8845.0	8121.0	4093.9	1814.9	970.5	643.8	521.5	464.2	443.2	435.6
10004.6	42.5°	9674.1	8699.8	4097.7	1667.8	863.5	561.6	466.1	418.4	399.3	393.5
10965.5	45°	10507.1	9251.9	4103.5	1514.9	750.8	498.6	426.0	385.9	374.4	366.8
11939.8	47.5°	11290.3	9721.9	3996.5	1350.6	640.0	450.8	393.5	366.8	357.2	347.7
12917.9	50°	12020.1	10035.2	3738.6	1159.6	552.1	412.6	368.7	349.6	340.0	330.5
13804.4	52.5°	12587.4	10084.9	3312.6	962.8	491.0	384.0	353.4	336.2	324.8	315.2
14520.7	55°	12839.6	9773.5	2707.0	779.4	443.2	359.2	338.1	320.9	307.6	298.0
15084.3	57.5°	12774.7	9118.2	2111.0	626.6	397.4	334.3	319.0	307.6	292.3	277.0
15540.9	60°	12455.6	8241.3	1591.3	521.5	355.3	307.6	298.0	288.5	267.5	244.5
15716.6	62.5°	11903.5	7139.1	1134.8	431.7	309.5	277.0	273.2	265.5	235.0	192.9
15456.8	65°	11059.1	5799.9	764.1	359.2	265.5	242.6	244.5	231.2	191.0	143.3
14505.5	67.5°	9825.0	4241.0	489.1	294.2	221.6	202.5	204.4	196.8	162.4	122.3
12702.1	70°	8252.8	2808.2	319.0	223.5	177.7	156.7	168.1	170.0	137.5	99.3
9748.6	72.5°	6050.2	1658.2	223.5	166.2	129.9	108.9	137.5	141.4	110.8	74.5
5864.8	75°	3448.2	787.1	168.1	120.4	80.2	76.4	107.0	107.0	76.4	49.7
2538.9	77.5°	1448.1	328.6	118.4	78.3	45.8	43.9	72.6	66.9	38.2	22.9
619.0	80°	418.4	147.1	63.0	38.2	19.1	17.2	28.7	21.0	9.6	3.8
235.0	82.5°	164.3	65.0	24.8	15.3	7.6	7.6	3.8	0.0	0.0	0.0
133.7	85°	97.4	26.7	11.5	5.7	1.9	0.0	0.0	0.0	0.0	0.0
28.7	87.5°	24.8	5.7	3.8	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°
3314.5
3291.6
3150.2
2747.1
2181.6
1702.1
1425.1
1232.2
1109.9
1022.0
934.2
844.4
760.3
687.7
592.2
512.0
433.7
391.6
366.8
347.7
330.5
313.3
296.1
275.1
240.7
189.1
139.5
116.5
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