

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: P851205

Luminaire Tested: **GLAN-SB9A-827-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851205  
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-827-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 80 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: 23788 lumens  
Efficiency: N/A  
Efficacy: 93.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

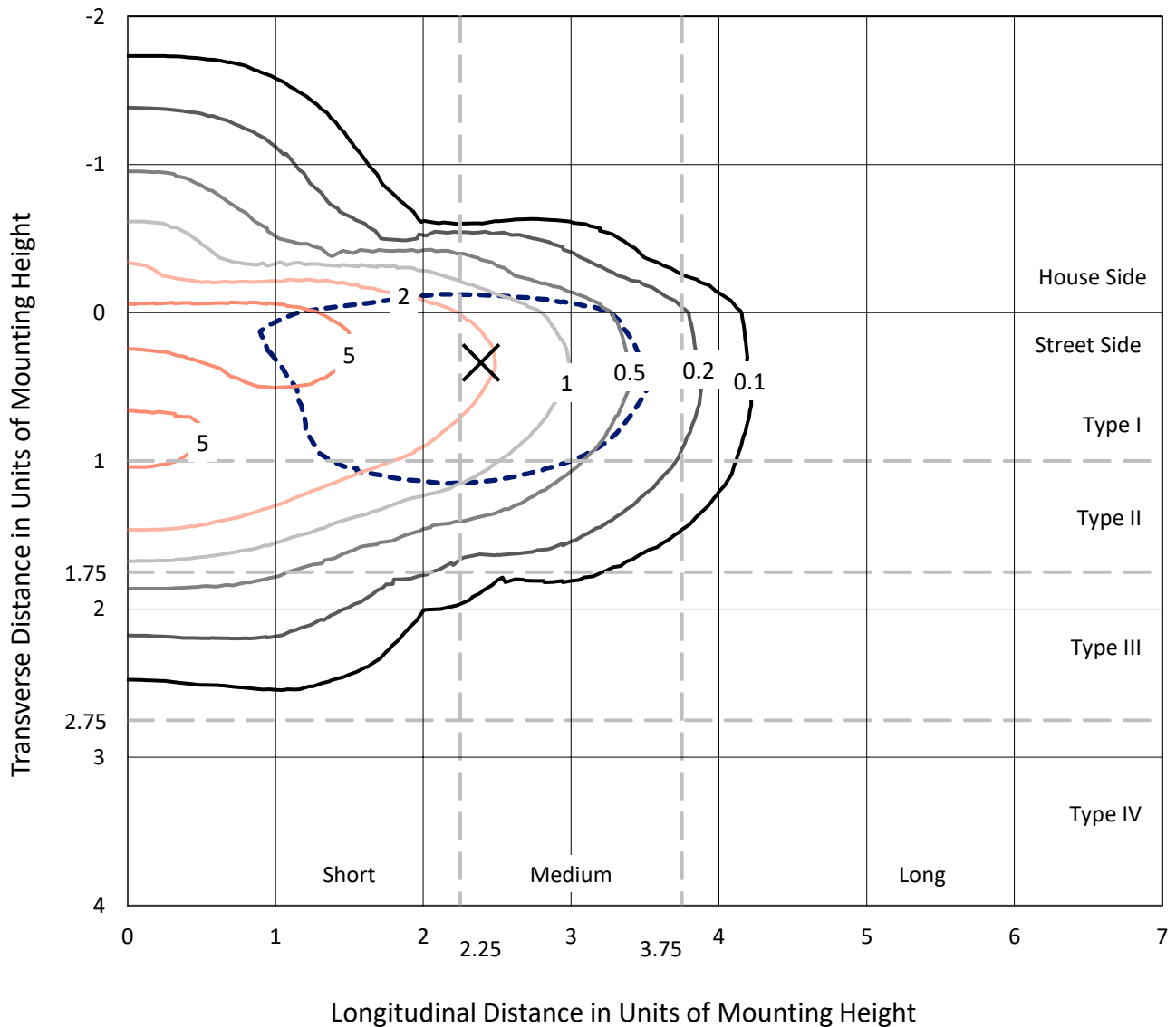
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

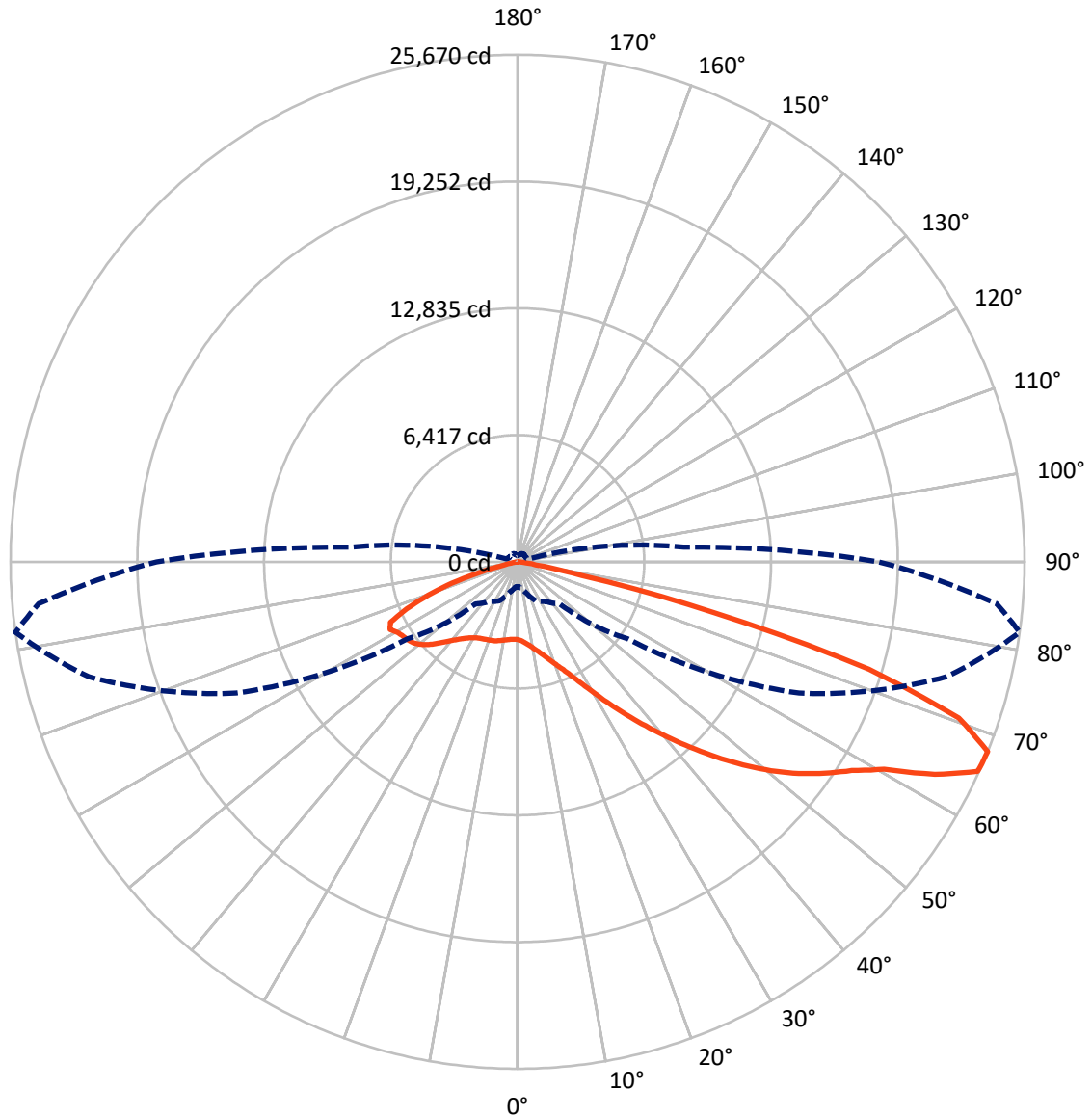
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	4309.0	0.0	4309.0
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	19479.0	0.0	19479.0
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	23788.0	0.0	23788.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.1	1.5
10°-20°	912.4	3.8
20°-30°	1461.3	6.1
30°-40°	2584.1	10.9
40°-50°	4527.6	19.0
50°-60°	6038.5	25.4
60°-70°	5621.5	23.6
70°-80°	2157.5	9.1
80°-90°	134.0	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°	23788.0	100.0
0°-180°	23788.0	100.0

**Coefficient of Utilization**

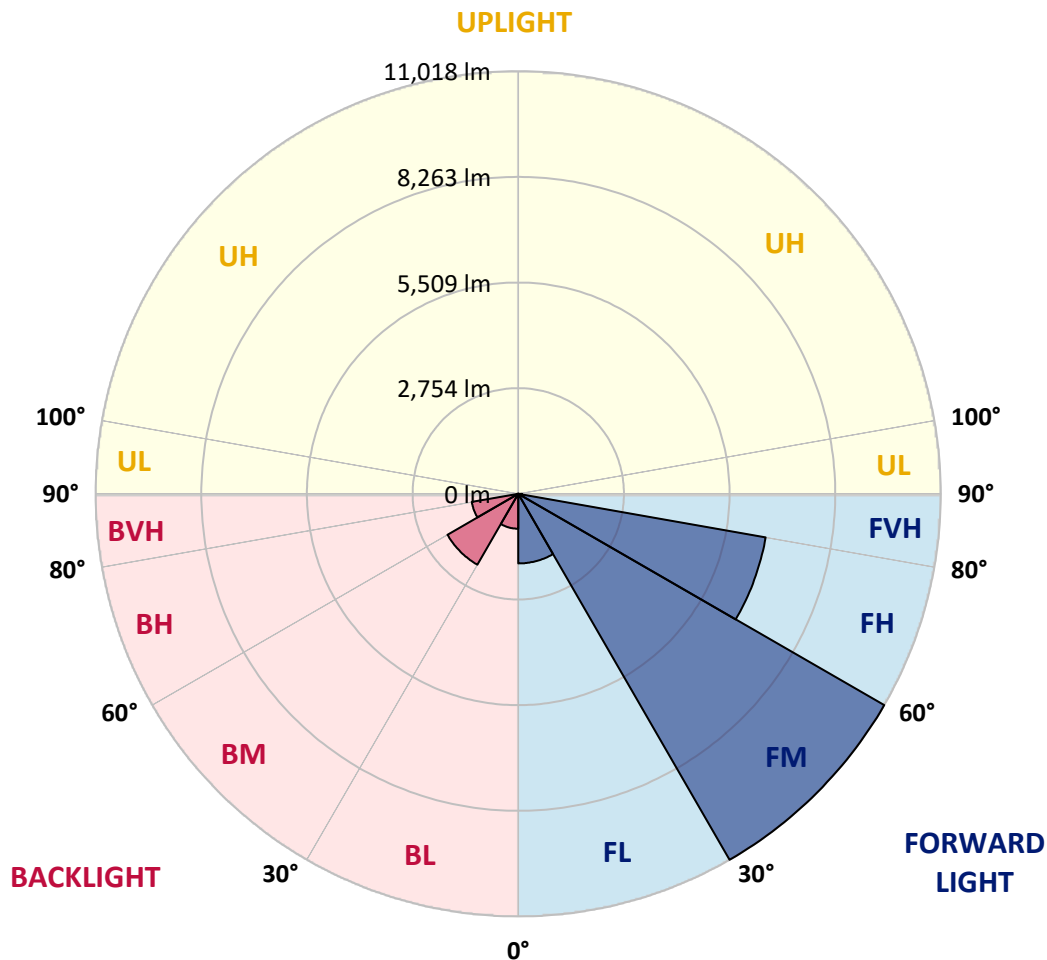


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1814.8	7.6			
FM (30°-60°)	11017.6	46.3			
FH (60°-80°)	6549.2	27.5			G3/7500
FVH (80°-90°)	97.4	0.4			G1/100
BL (0°-30°)	910.0	3.8	B2/1000		
BM (30°-60°)	2132.5	9.0	B2/2500		
BH (60°-80°)	1229.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	36.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3940.9	3940.9	3940.9	3940.9	3940.9	3940.9	3940.9	3940.9	3940.9	3940.9
2.5°	4165.2	4189.2	4175.5	4168.7	4156.7	4139.5	4125.8	4083.0	4038.5	4009.4
5°	4249.1	4273.1	4271.4	4278.3	4286.8	4292.0	4288.5	4240.6	4177.2	4127.5
7.5°	4177.2	4204.6	4226.9	4261.1	4321.1	4384.4	4415.3	4405.0	4339.9	4271.4
10°	3973.4	4002.5	4055.6	4136.1	4262.8	4399.9	4514.6	4567.7	4526.6	4451.2
12.5°	3600.0	3629.2	3733.6	3908.3	4120.7	4358.8	4578.0	4720.1	4730.4	4655.1
15°	3180.4	3209.6	3320.9	3540.1	3863.8	4245.7	4612.2	4881.1	4971.9	4906.8
17.5°	2920.1	2945.8	3029.7	3206.1	3543.5	4019.6	4600.2	5052.4	5259.6	5208.2
20°	2841.3	2863.6	2903.0	3026.3	3307.2	3785.0	4521.5	5213.4	5569.6	5540.5
22.5°	2925.2	2945.8	2957.8	3012.6	3189.0	3630.9	4422.1	5377.8	5929.3	5932.7
25°	3118.8	3139.3	3125.6	3159.9	3237.0	3582.9	4384.4	5571.3	6381.4	6419.1
27.5°	3437.3	3439.1	3406.5	3404.8	3416.8	3654.8	4423.8	5778.6	6951.8	7022.0
30°	4076.2	4050.5	3925.5	3790.2	3728.5	3870.6	4533.5	6023.5	7624.8	7749.9
32.5°	5061.0	5023.3	4793.8	4470.1	4144.7	4218.3	4730.4	6302.6	8357.9	8583.9
35°	6129.7	6119.4	5879.6	5398.4	4829.7	4713.3	5050.7	6669.2	9157.7	9517.3
37.5°	7123.0	7117.9	6980.9	6414.0	5722.0	5403.5	5564.5	7148.7	10014.0	10534.7
40°	8030.7	8046.2	7909.1	7402.2	6705.1	6288.9	6263.3	7741.3	10966.3	11642.8
42.5°	8815.1	8832.3	8693.5	8318.5	7676.2	7268.6	7121.3	8467.5	11896.2	12833.1
45°	9347.8	9454.0	9433.4	9133.7	8673.0	8250.0	8152.3	9378.6	12956.4	14095.3
47.5°	9498.5	9596.1	9750.3	9791.4	9510.5	9094.3	9210.8	10476.4	14028.5	15359.3
50°	9126.8	9217.6	9537.9	9964.3	10159.6	10031.1	10240.1	11653.0	15126.4	16619.8
52.5°	8393.8	8486.3	8890.5	9565.3	10361.7	10765.9	11272.8	12812.5	16189.9	17813.5
55°	7333.7	7431.3	7950.2	8714.1	9976.3	11069.0	12134.3	13970.3	17164.4	18887.4
57.5°	5891.6	5963.5	6503.0	7571.7	9007.0	10767.6	12769.7	15234.2	18082.4	19942.4
60°	3839.8	3903.2	4530.0	5722.0	7400.5	9760.5	12896.4	16643.8	19301.9	21314.2
62.5°	2553.6	2596.4	2968.1	3843.2	5211.7	7826.9	12154.9	17769.0	21089.9	23701.7
65°	1752.1	1794.9	2166.5	2776.2	3367.1	5177.4	10022.6	17620.0	22710.1	25597.6
67.5°	1250.3	1286.2	1601.4	2176.8	2437.1	3007.5	6794.2	15715.5	22477.2	25669.6
70°	895.7	916.3	1176.6	1695.5	1937.0	1806.9	3778.2	12019.6	19680.4	23703.4
72.5°	626.8	633.7	816.9	1291.4	1560.2	1318.8	1798.3	8013.6	14884.9	18604.8
75°	424.7	433.3	549.8	947.1	1252.0	1007.1	952.2	4297.1	8738.1	10298.3
77.5°	260.3	263.8	354.5	647.4	936.8	767.3	613.1	1820.6	3380.8	3319.2
80°	147.3	147.3	226.1	402.5	638.8	495.0	429.9	774.1	1070.4	940.3
82.5°	82.2	83.9	164.4	250.1	423.0	292.9	236.3	357.9	462.4	409.3
85°	34.3	37.7	101.0	118.2	202.1	145.6	95.9	150.7	171.3	152.4
87.5°	3.4	5.1	30.8	22.3	24.0	29.1	13.7	29.1	24.0	24.0
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°
3940.9	0°	3940.9	3940.9	3940.9	3940.9	3940.9	3940.9	3940.9	3940.9	3940.9	3940.9
3999.1	2.5°	3966.6	3940.9	3875.8	3800.4	3701.1	3653.1	3588.1	3543.5	3505.8	3509.3
4098.4	5°	4043.6	3978.5	3833.0	3651.4	3425.4	3264.4	3093.1	2974.9	2879.0	2858.5
4235.4	7.5°	4149.8	4047.1	3791.9	3464.7	3082.8	2793.4	2534.8	2368.6	2250.5	2212.8
4401.6	10°	4286.8	4137.8	3738.8	3230.1	2680.3	2312.1	2034.7	1904.5	1824.0	1796.6
4596.8	12.5°	4446.1	4242.3	3668.6	2944.1	2265.9	1911.3	1734.9	1669.9	1644.2	1635.6
4836.6	15°	4646.5	4372.5	3562.4	2605.0	1914.8	1666.4	1591.1	1582.5	1585.9	1582.5
5124.3	17.5°	4884.6	4514.6	3389.4	2255.6	1678.4	1541.4	1514.0	1520.9	1529.4	1527.7
5446.3	20°	5144.9	4655.1	3168.4	1945.6	1517.4	1452.3	1436.9	1443.8	1450.6	1447.2
5818.0	22.5°	5441.2	4805.8	2923.5	1704.1	1409.5	1370.1	1353.0	1354.7	1354.7	1347.9
6288.9	25°	5795.7	4971.9	2666.6	1532.8	1327.3	1296.5	1275.9	1269.1	1258.8	1238.3
6861.0	27.5°	6218.7	5148.3	2420.0	1413.0	1262.2	1233.1	1209.1	1192.0	1166.3	1132.1
7547.8	30°	6694.8	5362.4	2211.1	1337.6	1210.9	1181.7	1154.3	1128.7	1091.0	1048.2
8337.3	32.5°	7254.9	5591.9	2058.6	1287.9	1164.6	1133.8	1101.3	1070.4	1029.3	986.5
9224.5	35°	7922.8	5869.3	1969.6	1253.7	1128.7	1087.5	1051.6	1017.3	986.5	948.8
10188.7	37.5°	8647.3	6163.9	1942.2	1236.6	1104.7	1041.3	1000.2	976.2	972.8	950.5
11231.7	40°	9440.3	6513.3	1962.7	1226.3	1079.0	996.8	952.2	947.1	955.7	916.3
12346.7	42.5°	10279.5	6927.8	1997.0	1214.3	1043.0	952.2	909.4	909.4	902.6	847.8
13525.0	45°	11187.2	7405.6	2031.2	1185.2	1000.2	907.7	875.2	863.2	834.1	781.0
14710.2	47.5°	12101.8	7892.0	2056.9	1132.1	948.8	870.0	840.9	813.5	770.7	722.7
15873.1	50°	12970.1	8328.7	2029.5	1053.3	890.6	834.1	803.2	765.6	719.3	686.8
16974.3	52.5°	13745.9	8707.2	1913.1	960.8	828.9	796.4	769.0	729.6	691.9	657.7
17967.7	55°	14420.7	9013.8	1707.5	873.5	774.1	763.9	736.5	686.8	635.4	606.3
18952.5	57.5°	15068.1	9246.7	1450.6	801.5	724.5	727.9	686.8	642.3	594.3	563.5
20279.8	60°	15929.6	9558.4	1190.3	734.7	671.4	681.6	637.1	604.6	544.6	505.2
22555.9	62.5°	17306.6	10043.1	945.4	652.5	609.7	613.1	594.3	554.9	483.0	436.7
24242.9	65°	18399.3	9865.0	745.0	563.5	539.5	544.6	544.6	501.8	424.7	371.7
24333.7	67.5°	18276.0	8446.9	594.3	476.1	472.7	476.1	488.1	452.1	376.8	334.0
22480.6	70°	16835.6	6718.8	476.1	395.6	411.0	402.5	436.7	412.8	339.1	296.3
17428.2	72.5°	13737.4	4840.0	363.1	327.1	315.1	328.8	393.9	371.7	282.6	234.6
9231.3	75°	8027.3	2582.7	270.6	258.6	227.8	274.0	349.4	316.8	215.8	173.0
2829.3	77.5°	2613.5	900.9	198.7	190.1	169.6	220.9	298.0	267.2	176.4	137.0
828.9	80°	700.5	272.3	135.3	125.0	109.6	164.4	236.3	212.4	126.7	89.1
356.2	82.5°	280.9	114.7	78.8	70.2	59.9	113.0	186.7	171.3	94.2	56.5
111.3	85°	90.8	37.7	29.1	22.3	27.4	70.2	111.3	116.5	66.8	29.1
17.1	87.5°	12.0	5.1	5.1	6.9	5.1	12.0	34.3	32.5	18.8	3.4
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°
3940.9
3475.0
2812.2
2175.1
1776.0
1630.5
1580.8
1524.3
1445.5
1344.5
1234.8
1128.7
1044.7
988.2
945.4
948.8
918.0
847.8
779.3
721.0
681.6
654.2
602.9
560.0
500.1
433.3
366.5
327.1
291.2
229.5
167.8
131.9
87.3
56.5
22.3
0.0
0.0

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