

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: P850525

Luminaire Tested: **GLAN-SB8A-827-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850525  
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-827-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 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: 21119 lumens  
Efficiency: N/A  
Efficacy: 93.0 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

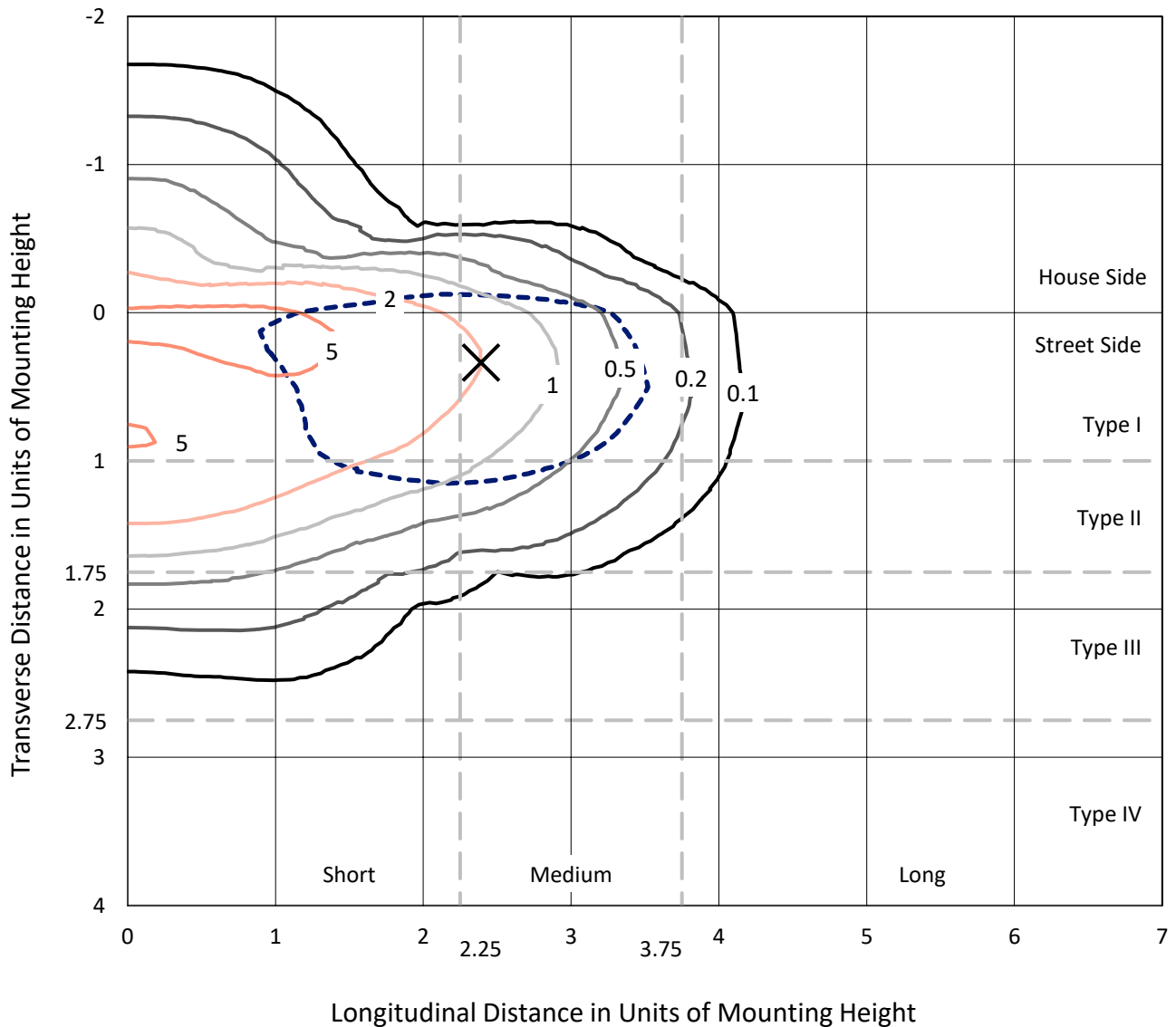
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

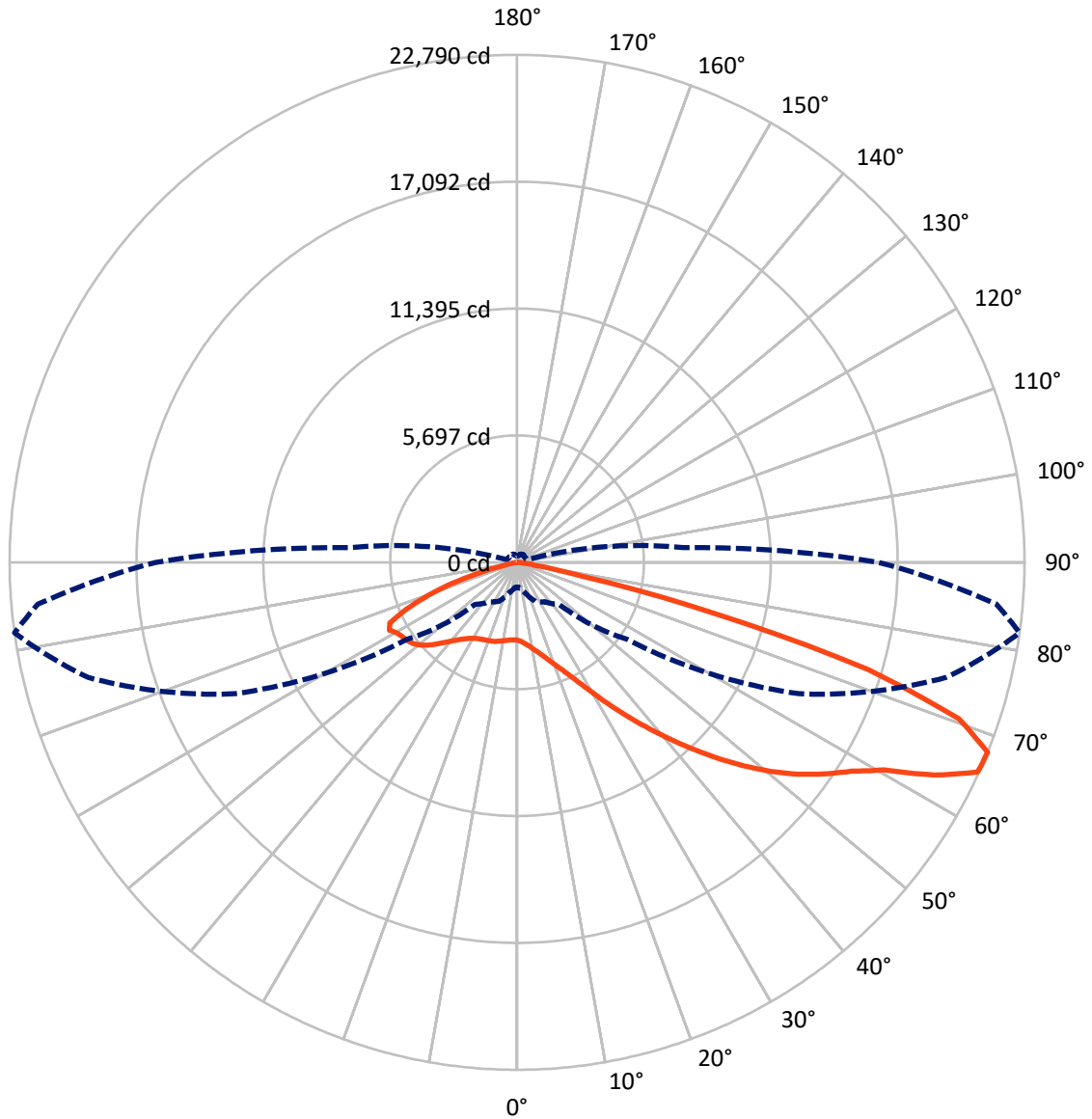
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	3825.5	0.0	3825.5
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	17293.5	0.0	17293.5
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	21119.0	0.0	21119.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.7	1.5
10°-20°	810.0	3.8
20°-30°	1297.4	6.1
30°-40°	2294.1	10.9
40°-50°	4019.6	19.0
50°-60°	5361.0	25.4
60°-70°	4990.8	23.6
70°-80°	1915.5	9.1
80°-90°	119.0	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°	21119.0	100.0
0°-180°	21119.0	100.0

**Coefficient of Utilization**

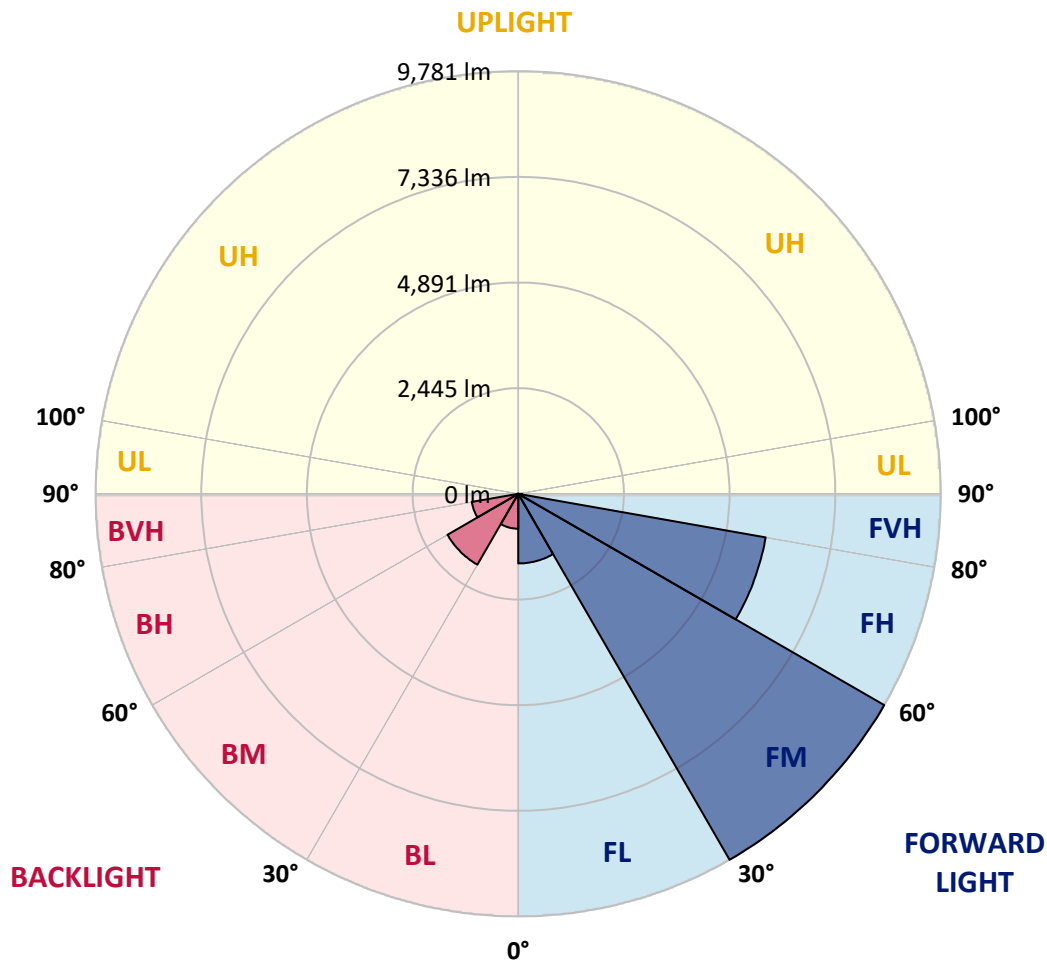


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1611.1	7.6			
FM	(30°-60°)	9781.5	46.3			
FH	(60°-80°)	5814.4	27.5			G3/7500
FVH	(80°-90°)	86.5	0.4			G1/100
BL	(0°-30°)	807.9	3.8	B2/1000		
BM	(30°-60°)	1893.2	9.0	B2/2500		
BH	(60°-80°)	1091.9	5.2	B3/2500		G3/2500
BVH	(80°-90°)	32.5	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3498.7	3498.7	3498.7	3498.7	3498.7	3498.7	3498.7	3498.7	3498.7	3498.7
2.5°	3697.9	3719.2	3707.0	3700.9	3690.3	3675.1	3662.9	3624.9	3585.4	3559.5
5°	3772.4	3793.7	3792.2	3798.2	3805.8	3810.4	3807.4	3764.8	3708.5	3664.4
7.5°	3708.5	3732.9	3752.6	3783.0	3836.3	3892.5	3919.9	3910.8	3853.0	3792.2
10°	3527.6	3553.4	3600.6	3672.0	3784.6	3906.2	4008.1	4055.2	4018.7	3951.8
12.5°	3196.1	3222.0	3314.7	3469.8	3658.4	3869.7	4064.3	4190.5	4199.7	4132.8
15°	2823.6	2849.4	2948.3	3142.9	3430.3	3769.4	4094.7	4333.5	4414.1	4356.3
17.5°	2592.5	2615.3	2689.8	2846.4	3145.9	3568.6	4084.1	4485.5	4669.5	4623.9
20°	2522.5	2542.3	2577.3	2686.7	2936.1	3360.3	4014.2	4628.4	4944.7	4918.9
22.5°	2597.0	2615.3	2625.9	2674.6	2831.2	3223.5	3926.0	4774.4	5264.0	5267.1
25°	2768.9	2787.1	2774.9	2805.3	2873.8	3180.9	3892.5	4946.2	5665.4	5698.9
27.5°	3051.7	3053.2	3024.3	3022.8	3033.4	3244.8	3927.5	5130.2	6171.8	6234.1
30°	3618.8	3596.0	3485.0	3364.9	3310.2	3436.4	4024.8	5347.6	6769.3	6880.3
32.5°	4493.1	4459.7	4255.9	3968.5	3679.6	3745.0	4199.7	5595.5	7420.1	7620.8
35°	5441.9	5432.8	5219.9	4792.7	4287.9	4184.5	4484.0	5920.9	8130.2	8449.5
37.5°	6323.8	6319.3	6197.6	5694.3	5080.0	4797.2	4940.2	6346.6	8890.4	9352.7
40°	7129.7	7143.4	7021.7	6571.7	5952.8	5583.3	5560.5	6872.7	9735.9	10336.5
42.5°	7826.1	7841.3	7718.1	7385.1	6814.9	6453.1	6322.3	7517.4	10561.5	11393.2
45°	8299.0	8393.2	8375.0	8108.9	7699.9	7324.3	7237.6	8326.3	11502.7	12513.8
47.5°	8432.8	8519.4	8656.3	8692.8	8443.4	8073.9	8177.3	9301.0	12454.5	13636.0
50°	8102.8	8183.4	8467.7	8846.4	9019.7	8905.7	9091.2	10345.6	13429.2	14755.1
52.5°	7452.0	7534.1	7893.0	8492.1	9199.1	9558.0	10008.0	11375.0	14373.4	15814.9
55°	6510.8	6597.5	7058.2	7736.4	8857.0	9827.1	10772.8	12402.8	15238.6	16768.2
57.5°	5230.6	5294.4	5773.4	6722.2	7996.4	9559.5	11337.0	13525.0	16053.6	17704.9
60°	3409.0	3465.3	4021.8	5080.0	6570.1	8665.4	11449.5	14776.4	17136.2	18922.8
62.5°	2267.1	2305.1	2635.1	3412.0	4626.9	6948.8	10791.1	15775.3	18723.6	21042.4
65°	1555.5	1593.5	1923.5	2464.8	2989.3	4596.5	8898.1	15643.1	20162.0	22725.6
67.5°	1110.0	1141.9	1421.7	1932.6	2163.7	2670.0	6031.9	13952.2	19955.2	22789.5
70°	795.2	813.5	1044.6	1505.3	1719.7	1604.1	3354.3	10671.0	17472.2	21043.9
72.5°	556.5	562.6	725.3	1146.5	1385.2	1170.8	1596.5	7114.5	13214.8	16517.3
75°	377.1	384.7	488.1	840.8	1111.5	894.1	845.4	3815.0	7757.7	9142.9
77.5°	231.1	234.2	314.7	574.8	831.7	681.2	544.3	1616.3	3001.5	2946.8
80°	130.8	130.8	200.7	357.3	567.2	439.4	381.6	687.3	950.3	834.8
82.5°	73.0	74.5	146.0	222.0	375.6	260.0	209.8	317.8	410.5	363.4
85°	30.4	33.5	89.7	104.9	179.4	129.2	85.1	133.8	152.1	135.3
87.5°	3.0	4.6	27.4	19.8	21.3	25.8	12.2	25.8	21.3	21.3
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°
3498.7	0°	3498.7	3498.7	3498.7	3498.7	3498.7	3498.7	3498.7	3498.7	3498.7	3498.7
3550.4	2.5°	3521.5	3498.7	3440.9	3374.0	3285.8	3243.3	3185.5	3145.9	3112.5	3115.5
3638.6	5°	3589.9	3532.2	3402.9	3241.7	3041.0	2898.1	2746.0	2641.1	2556.0	2537.7
3760.2	7.5°	3684.2	3593.0	3366.4	3076.0	2736.9	2480.0	2250.4	2102.9	1998.0	1964.5
3907.7	10°	3805.8	3673.6	3319.3	2867.7	2379.6	2052.7	1806.4	1690.8	1619.3	1595.0
4081.1	12.5°	3947.3	3766.3	3256.9	2613.8	2011.6	1696.9	1540.3	1482.5	1459.7	1452.1
4293.9	15°	4125.2	3881.9	3162.7	2312.7	1699.9	1479.5	1412.6	1405.0	1408.0	1405.0
4549.4	17.5°	4336.5	4008.1	3009.1	2002.5	1490.1	1368.5	1344.1	1350.2	1357.8	1356.3
4835.2	20°	4567.6	4132.8	2813.0	1727.3	1347.2	1289.4	1275.7	1281.8	1287.9	1284.8
5165.2	22.5°	4830.7	4266.6	2595.5	1512.9	1251.4	1216.4	1201.2	1202.7	1202.7	1196.6
5583.3	25°	5145.4	4414.1	2367.4	1360.9	1178.4	1151.0	1132.8	1126.7	1117.6	1099.3
6091.2	27.5°	5521.0	4570.7	2148.5	1254.4	1120.6	1094.8	1073.5	1058.3	1035.5	1005.1
6700.9	30°	5943.7	4760.7	1963.0	1187.5	1075.0	1049.2	1024.8	1002.0	968.6	930.6
7401.9	32.5°	6440.9	4964.5	1827.7	1143.4	1033.9	1006.6	977.7	950.3	913.8	875.8
8189.5	35°	7033.9	5210.8	1748.6	1113.0	1002.0	965.5	933.6	903.2	875.8	842.4
9045.5	37.5°	7677.1	5472.3	1724.3	1097.8	980.7	924.5	888.0	866.7	863.7	843.9
9971.5	40°	8381.1	5782.5	1742.5	1088.7	957.9	884.9	845.4	840.8	848.4	813.5
10961.4	42.5°	9126.1	6150.5	1772.9	1078.0	926.0	845.4	807.4	807.4	801.3	752.7
12007.5	45°	9932.0	6574.7	1803.3	1052.2	888.0	805.9	777.0	766.3	740.5	693.4
13059.7	47.5°	10744.0	7006.5	1826.1	1005.1	842.4	772.4	746.6	722.2	684.2	641.7
14092.1	50°	11514.9	7394.3	1801.8	935.1	790.7	740.5	713.1	679.7	638.6	609.7
15069.8	52.5°	12203.6	7730.3	1698.4	853.0	735.9	707.0	682.7	647.7	614.3	583.9
15951.7	55°	12802.7	8002.5	1516.0	775.5	687.3	678.1	653.8	609.7	564.1	538.3
16826.0	57.5°	13377.5	8209.3	1287.9	711.6	643.2	646.2	609.7	570.2	527.6	500.2
18004.4	60°	14142.3	8486.0	1056.8	652.3	596.0	605.2	565.6	536.7	483.5	448.6
20025.2	62.5°	15364.8	8916.3	839.3	579.3	541.3	544.3	527.6	492.6	428.8	387.7
21522.9	65°	16334.9	8758.2	661.4	500.2	479.0	483.5	483.5	445.5	377.1	330.0
21603.5	67.5°	16225.4	7499.2	527.6	422.7	419.7	422.7	433.3	401.4	334.5	296.5
19958.3	70°	14946.7	5965.0	422.7	351.2	364.9	357.3	387.7	366.4	301.1	263.0
15472.8	72.5°	12196.0	4297.0	322.3	290.4	279.8	291.9	349.7	330.0	250.9	208.3
8195.6	75°	7126.7	2292.9	240.2	229.6	202.2	243.3	310.2	281.3	191.6	153.6
2511.9	77.5°	2320.3	799.8	176.4	168.8	150.5	196.1	264.6	237.2	156.6	121.6
735.9	80°	621.9	241.8	120.1	111.0	97.3	146.0	209.8	188.5	112.5	79.1
316.3	82.5°	249.4	101.9	69.9	62.3	53.2	100.4	165.7	152.1	83.6	50.2
98.8	85°	80.6	33.5	25.8	19.8	24.3	62.3	98.8	103.4	59.3	25.8
15.2	87.5°	10.6	4.6	4.6	6.1	4.6	10.6	30.4	28.9	16.7	3.0
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°
3498.7
3085.1
2496.7
1931.1
1576.8
1447.5
1403.4
1353.3
1283.3
1193.6
1096.3
1002.0
927.5
877.3
839.3
842.4
815.0
752.7
691.8
640.1
605.2
580.8
535.2
497.2
444.0
384.7
325.4
290.4
258.5
203.7
149.0
117.1
77.5
50.2
19.8
0.0
0.0

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