

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: P850576

Luminaire Tested: **GLAN-SB8A-927-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850576  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8A-927-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23145 lumens  
Efficiency: N/A  
Efficacy: 101.9 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

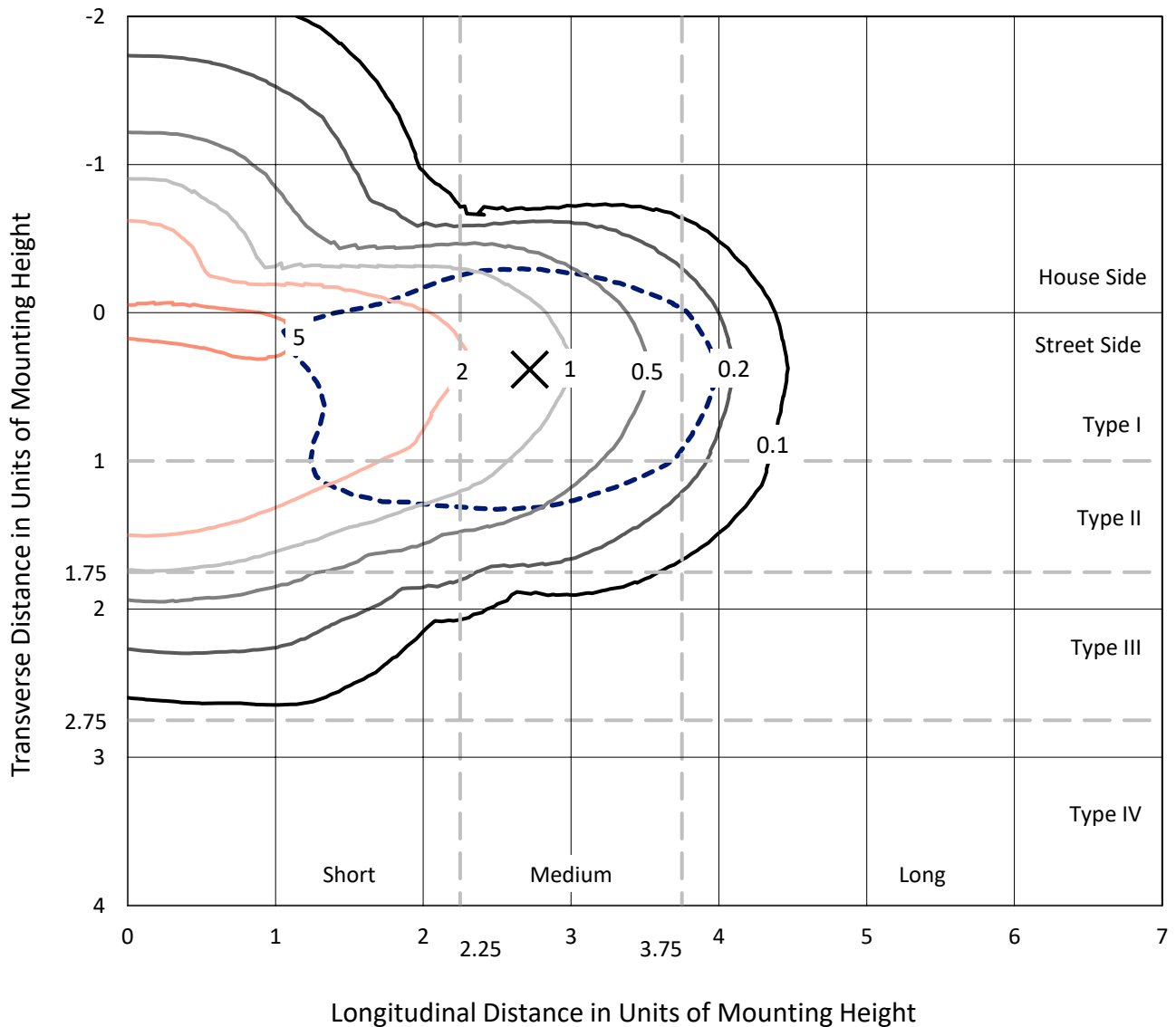
Input Watts (W): 227.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

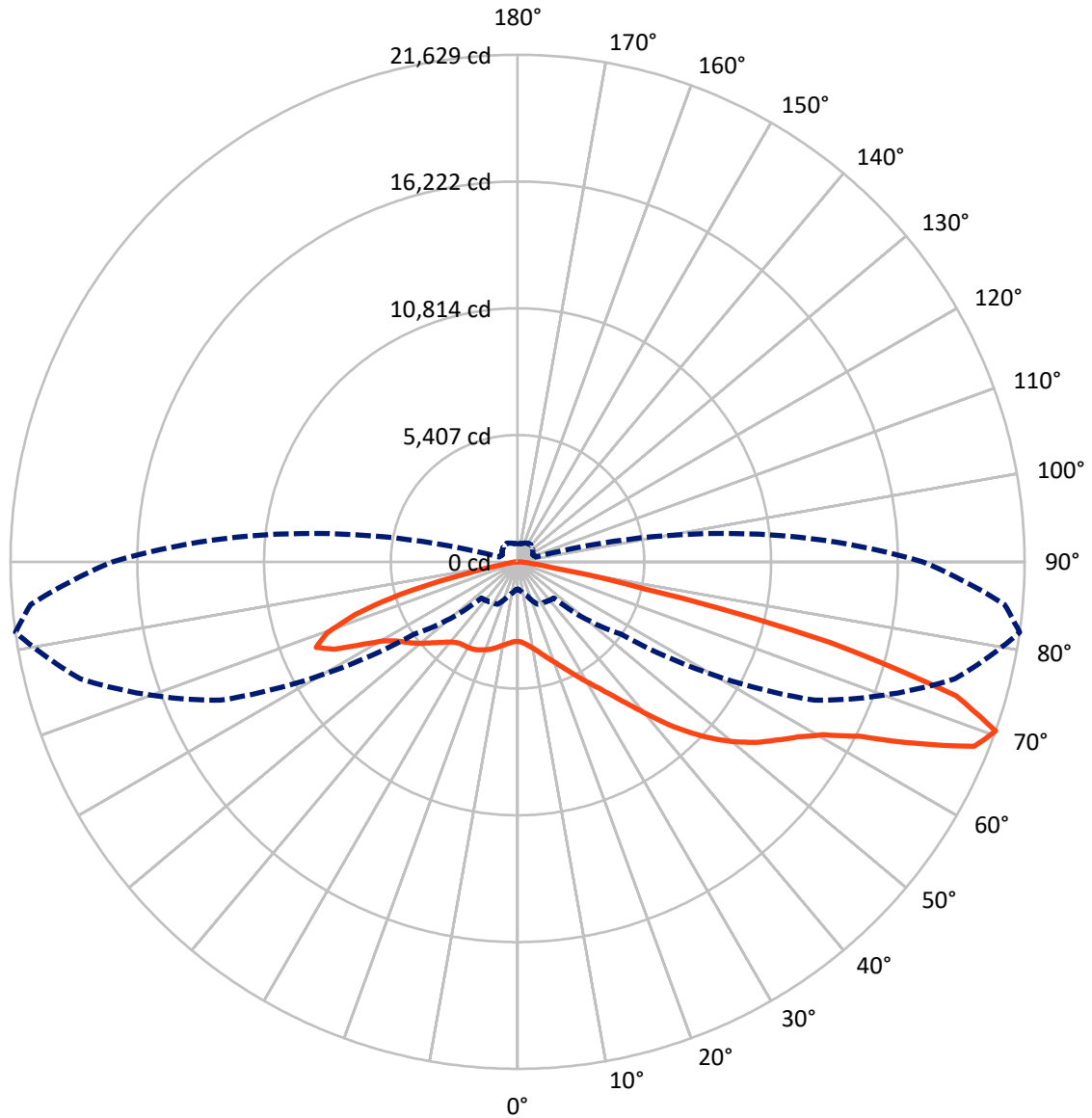
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5705.8	0.0	5705.8
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	17439.2	0.0	17439.2
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	23145.0	0.0	23145.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	320.4	1.4
10°-20°	920.5	4.0
20°-30°	1539.9	6.7
30°-40°	2405.7	10.4
40°-50°	3831.4	16.6
50°-60°	5331.9	23.0
60°-70°	5577.4	24.1
70°-80°	2915.0	12.6
80°-90°	302.7	1.3
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°	23145.0	100.0
0°-180°	23145.0	100.0

**Coefficient of Utilization**



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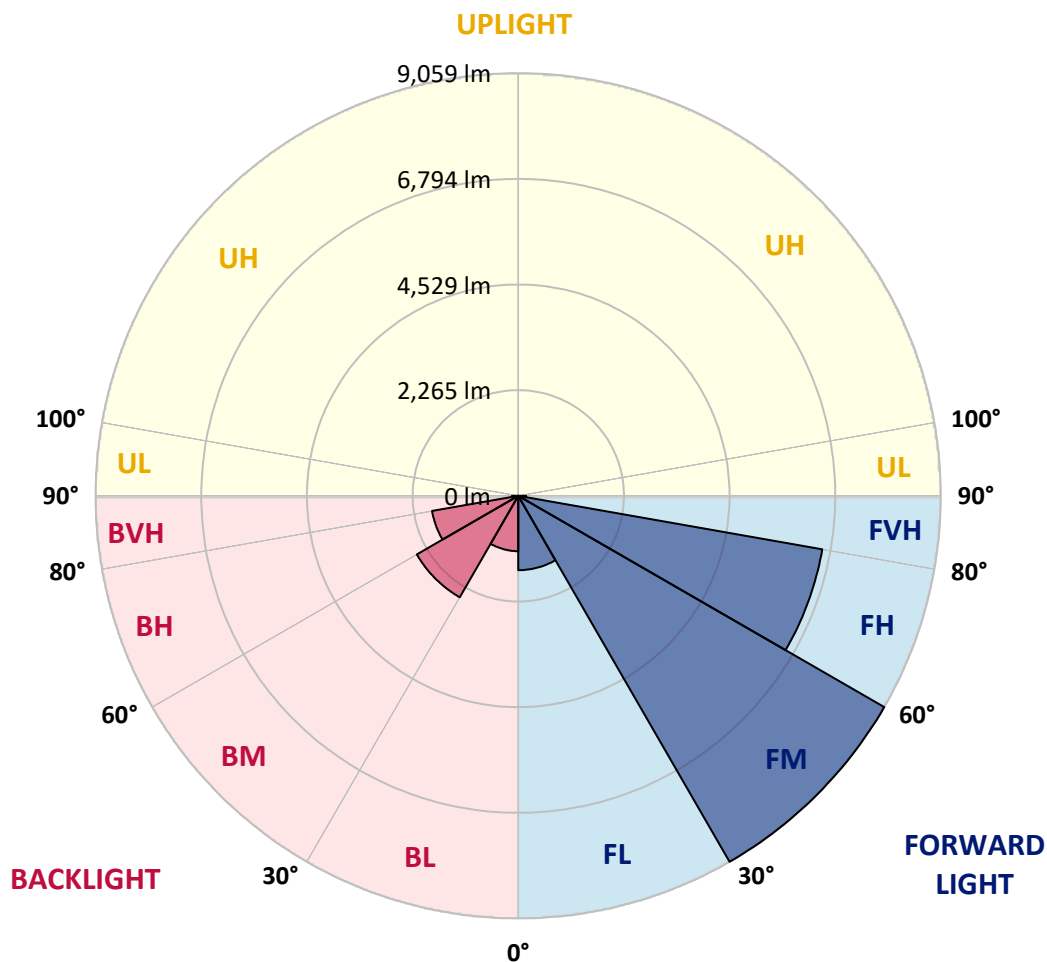
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1593.8	6.9			
FM (30°-60°)	9058.7	39.1			
FH (60°-80°)	6617.2	28.6			G3/7500
FVH (80°-90°)	169.4	0.7			G2/225
BL (0°-30°)	1187.0	5.1	B3/2500		
BM (30°-60°)	2510.3	10.8	B3/5000		
BH (60°-80°)	1875.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	133.2	0.6			G2/225
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°	3393.3	3393.3	3393.3	3393.3	3393.3	3393.3	3393.3	3393.3	3393.3	3393.3
2.5°	3474.4	3494.1	3487.9	3481.8	3481.8	3473.2	3471.9	3459.7	3449.8	3433.9
5°	3518.6	3539.5	3537.0	3542.0	3557.9	3561.6	3565.3	3557.9	3538.3	3518.6
7.5°	3479.3	3502.7	3510.0	3539.5	3588.6	3632.8	3666.0	3679.5	3661.1	3632.8
10°	3346.7	3372.5	3398.3	3468.3	3555.5	3659.9	3748.3	3801.1	3797.4	3770.4
12.5°	3077.7	3104.7	3160.0	3296.3	3456.0	3640.2	3804.8	3915.3	3953.4	3933.7
15°	2862.8	2886.1	2927.9	3067.9	3275.4	3555.5	3825.7	4040.6	4137.6	4126.5
17.5°	2856.6	2866.5	2892.3	2958.6	3118.2	3422.8	3803.5	4163.4	4348.8	4347.6
20°	2964.7	2968.4	2983.1	2996.7	3087.5	3322.1	3747.1	4265.3	4585.9	4585.9
22.5°	3114.6	3112.1	3126.8	3114.6	3158.8	3313.5	3711.4	4355.0	4849.9	4869.6
25°	3339.3	3327.0	3323.3	3295.1	3303.7	3393.3	3750.7	4456.9	5163.1	5203.6
27.5°	3639.0	3619.3	3605.8	3540.7	3518.6	3557.9	3871.1	4579.7	5511.9	5581.9
30°	4029.5	3993.9	3974.3	3861.3	3781.4	3787.6	4052.9	4743.1	5876.6	5989.6
32.5°	4562.5	4507.3	4454.5	4269.0	4122.9	4075.0	4287.4	4969.0	6272.1	6452.6
35°	5159.4	5115.2	5058.7	4772.5	4547.8	4437.3	4604.3	5284.7	6735.1	7021.3
37.5°	5734.2	5696.1	5723.1	5337.5	5047.6	4886.8	5019.4	5708.4	7306.2	7728.7
40°	6328.6	6299.1	6302.8	5934.4	5596.6	5416.1	5522.9	6240.2	7960.8	8569.9
42.5°	6974.6	6952.5	6878.8	6552.1	6172.6	6004.4	6102.6	6854.2	8663.3	9527.9
45°	7698.0	7684.5	7615.7	7241.1	6806.3	6617.2	6749.8	7532.2	9369.5	10429.4
47.5°	8323.1	8334.1	8325.6	8009.9	7559.2	7281.6	7440.1	8239.6	10026.5	11276.8
50°	8624.0	8681.7	8766.5	8668.2	8388.2	8105.7	8136.4	8922.4	10652.9	12071.4
52.5°	8466.8	8576.1	8807.0	8964.2	9072.3	9013.3	8931.0	9600.4	11242.4	12788.6
55°	7881.0	8034.5	8417.7	8797.2	9348.6	9777.2	9885.3	10352.0	11817.1	13419.9
57.5°	6813.7	7063.0	7406.9	8174.5	9103.0	10146.9	10998.0	11394.7	12426.3	14094.1
60°	4983.8	5317.8	5745.2	6887.4	8243.3	9949.1	11944.9	12996.2	13292.1	14967.3
62.5°	3189.5	3395.8	3788.8	4864.7	6423.2	8935.9	12234.7	14998.0	14759.8	16399.3
65°	2183.6	2316.3	2676.1	3280.4	4152.3	6651.6	11458.5	16498.8	17090.8	18668.9
67.5°	1586.8	1687.5	1994.5	2523.8	2705.6	3936.2	8891.7	16430.0	19356.7	21007.3
70°	1156.9	1228.1	1486.0	1994.5	2081.7	2189.8	5386.6	13966.4	19307.6	21628.7
72.5°	857.2	906.4	1079.5	1547.5	1685.0	1478.7	2666.3	10150.6	16590.9	19563.0
75°	620.2	657.1	784.8	1183.9	1348.5	1126.2	1330.1	5931.9	11572.7	13761.3
77.5°	474.1	502.3	585.8	867.1	1079.5	845.0	825.3	2728.9	5487.3	5514.3
80°	380.7	399.1	444.6	610.4	827.8	632.5	537.9	1101.6	1734.1	1467.6
82.5°	280.0	310.7	375.8	428.6	592.0	436.0	327.9	556.3	659.5	567.4
85°	159.7	180.5	227.2	307.0	378.3	266.5	187.9	246.9	307.0	251.8
87.5°	56.5	73.7	79.8	120.4	164.6	110.5	72.5	71.2	100.7	74.9
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°
3393.3	0°	3393.3	3393.3	3393.3	3393.3	3393.3	3393.3	3393.3	3393.3	3393.3	3393.3
3430.2	2.5°	3417.9	3411.8	3387.2	3354.0	3319.7	3286.5	3275.4	3252.1	3236.1	3227.5
3510.0	5°	3486.7	3467.0	3409.3	3335.6	3258.3	3174.7	3115.8	3061.7	3022.4	2985.6
3619.3	7.5°	3584.9	3550.5	3451.1	3322.1	3184.6	3045.8	2942.6	2864.0	2811.2	2776.8
3747.1	10°	3699.2	3646.3	3494.1	3301.2	3088.8	2889.8	2768.2	2700.7	2667.5	2649.1
3893.2	12.5°	3830.6	3755.6	3538.3	3253.3	2942.6	2715.4	2631.9	2612.3	2613.5	2614.7
4077.4	15°	3992.7	3888.3	3573.9	3148.9	2752.3	2581.5	2566.8	2598.7	2631.9	2647.9
4286.2	17.5°	4175.7	4028.3	3580.0	2977.0	2565.6	2495.6	2542.2	2611.0	2661.4	2683.5
4519.5	20°	4372.2	4170.8	3535.8	2733.8	2412.1	2425.6	2509.1	2597.5	2652.8	2681.0
4786.1	22.5°	4596.9	4323.0	3430.2	2478.4	2286.8	2349.4	2447.7	2533.6	2591.4	2619.6
5099.2	25°	4853.6	4493.8	3264.4	2263.5	2178.7	2263.5	2361.7	2432.9	2479.6	2505.4
5449.3	27.5°	5138.5	4671.8	3043.3	2092.7	2084.2	2175.0	2256.1	2311.4	2335.9	2355.6
5821.4	30°	5424.7	4834.0	2775.6	1963.8	2001.9	2087.8	2145.6	2170.1	2177.5	2181.2
6236.5	32.5°	5734.2	4974.0	2494.3	1856.9	1923.3	2003.1	2037.5	2048.5	2014.1	1990.8
6740.0	35°	6108.8	5123.8	2219.2	1772.2	1845.9	1914.7	1925.7	1915.9	1875.4	1827.5
7371.3	37.5°	6571.8	5310.5	1999.4	1712.0	1773.4	1818.9	1805.4	1802.9	1806.6	1750.1
8130.3	40°	7139.2	5553.6	1838.5	1665.4	1714.5	1724.3	1686.2	1707.1	1725.5	1639.6
8963.0	42.5°	7769.2	5847.2	1736.6	1633.4	1665.4	1642.0	1583.1	1606.4	1603.9	1491.0
9799.3	45°	8411.5	6166.5	1701.0	1610.1	1619.9	1573.2	1508.2	1514.3	1462.7	1360.8
10601.3	47.5°	9050.2	6509.1	1723.1	1590.4	1563.4	1510.6	1460.3	1433.2	1357.1	1280.9
11370.1	50°	9676.5	6869.0	1804.1	1551.1	1486.0	1455.3	1418.5	1370.6	1289.5	1224.5
12097.2	52.5°	10257.4	7231.3	1895.0	1486.0	1389.0	1407.4	1384.1	1328.8	1249.0	1182.7
12784.9	55°	10807.6	7593.6	1930.6	1396.4	1298.1	1365.7	1352.2	1250.2	1154.5	1100.4
13504.6	57.5°	11406.9	8029.6	1891.3	1282.2	1224.5	1317.8	1266.2	1153.2	1098.0	1057.4
14441.7	60°	12237.2	8713.6	1806.6	1140.9	1154.5	1246.6	1158.1	1111.5	1051.3	1005.8
15846.7	62.5°	13616.4	9989.7	1670.3	1000.9	1072.2	1140.9	1106.6	1059.9	998.5	954.3
18248.9	65°	15655.1	11763.1	1413.6	891.6	980.1	1037.8	1051.3	1004.6	940.8	894.1
20353.9	67.5°	17374.5	12875.8	1069.7	800.7	885.5	954.3	992.3	946.9	879.3	833.9
20846.4	70°	17279.9	12067.7	816.7	711.1	802.0	872.0	921.1	885.5	813.0	770.0
18935.4	72.5°	15348.0	10095.3	660.7	620.2	717.2	786.0	845.0	817.9	744.3	702.5
13871.8	75°	11275.5	7166.2	528.1	528.1	611.6	696.4	761.4	744.3	676.7	647.2
5823.8	77.5°	4752.9	3006.5	413.9	438.4	508.4	598.1	679.2	685.3	626.4	663.2
1540.1	80°	1263.8	829.0	315.6	345.1	399.1	493.7	590.7	588.3	524.4	490.0
572.3	82.5°	481.4	326.7	224.7	243.2	288.6	378.3	467.9	482.7	418.8	362.3
224.7	85°	185.4	140.0	138.8	146.1	168.3	250.5	353.7	366.0	315.6	267.7
62.6	87.5°	47.9	41.8	51.6	49.1	77.4	133.9	202.6	210.0	192.8	111.8
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°
3393.3
3237.4
3000.3
2784.2
2654.0
2617.2
2646.6
2688.4
2688.4
2627.0
2512.8
2362.9
2189.8
1998.2
1829.9
1753.8
1642.0
1489.7
1364.5
1280.9
1219.5
1183.9
1095.5
1053.7
1003.4
954.3
896.5
835.1
773.7
702.5
638.6
601.8
455.6
362.3
276.3
159.7
0.0

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