

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: P848366

Luminaire Tested: **GLAN-SB4D-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848366
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-SB4D-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26023 lumens
Efficiency: N/A
Efficacy: 88.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

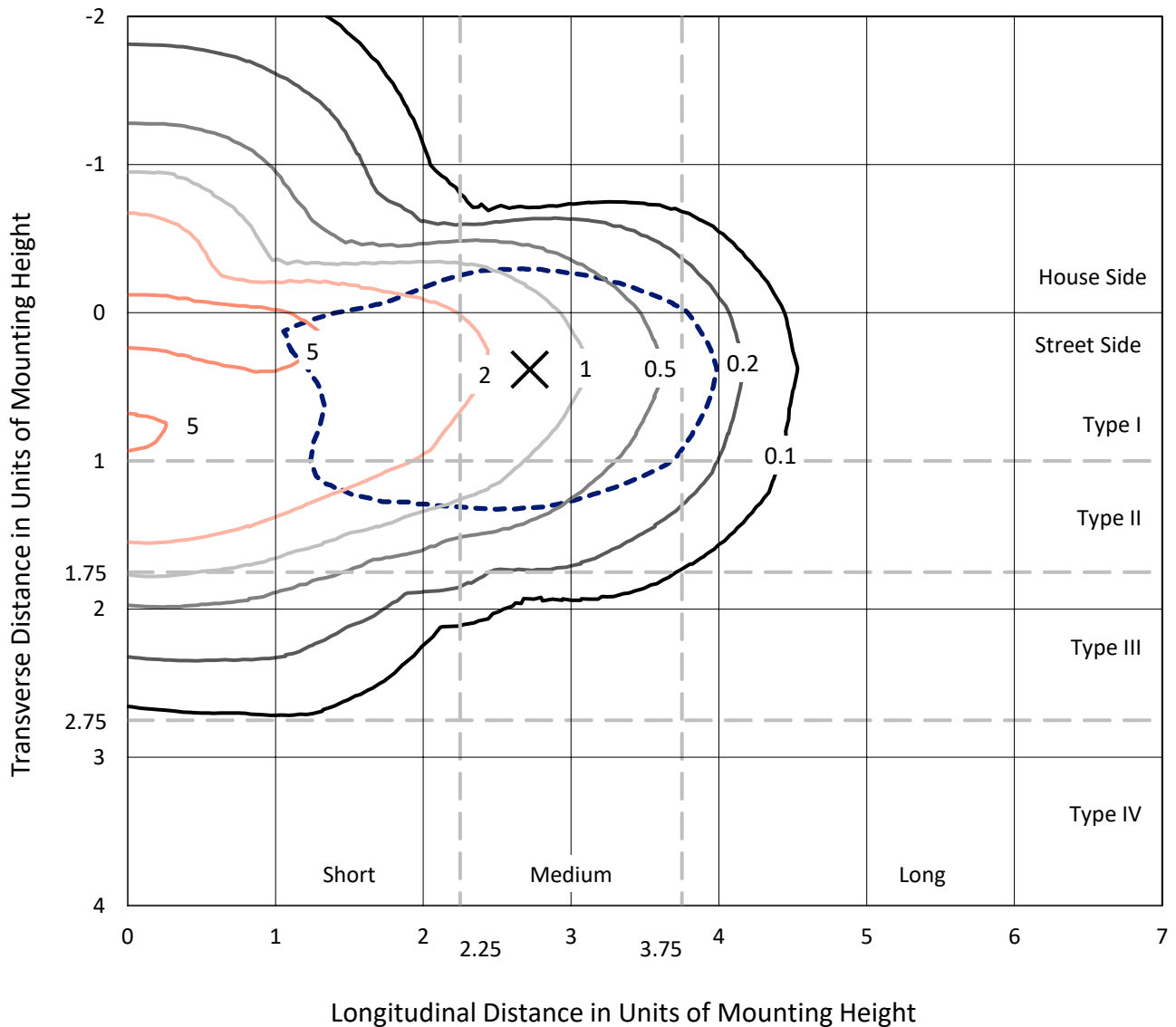
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

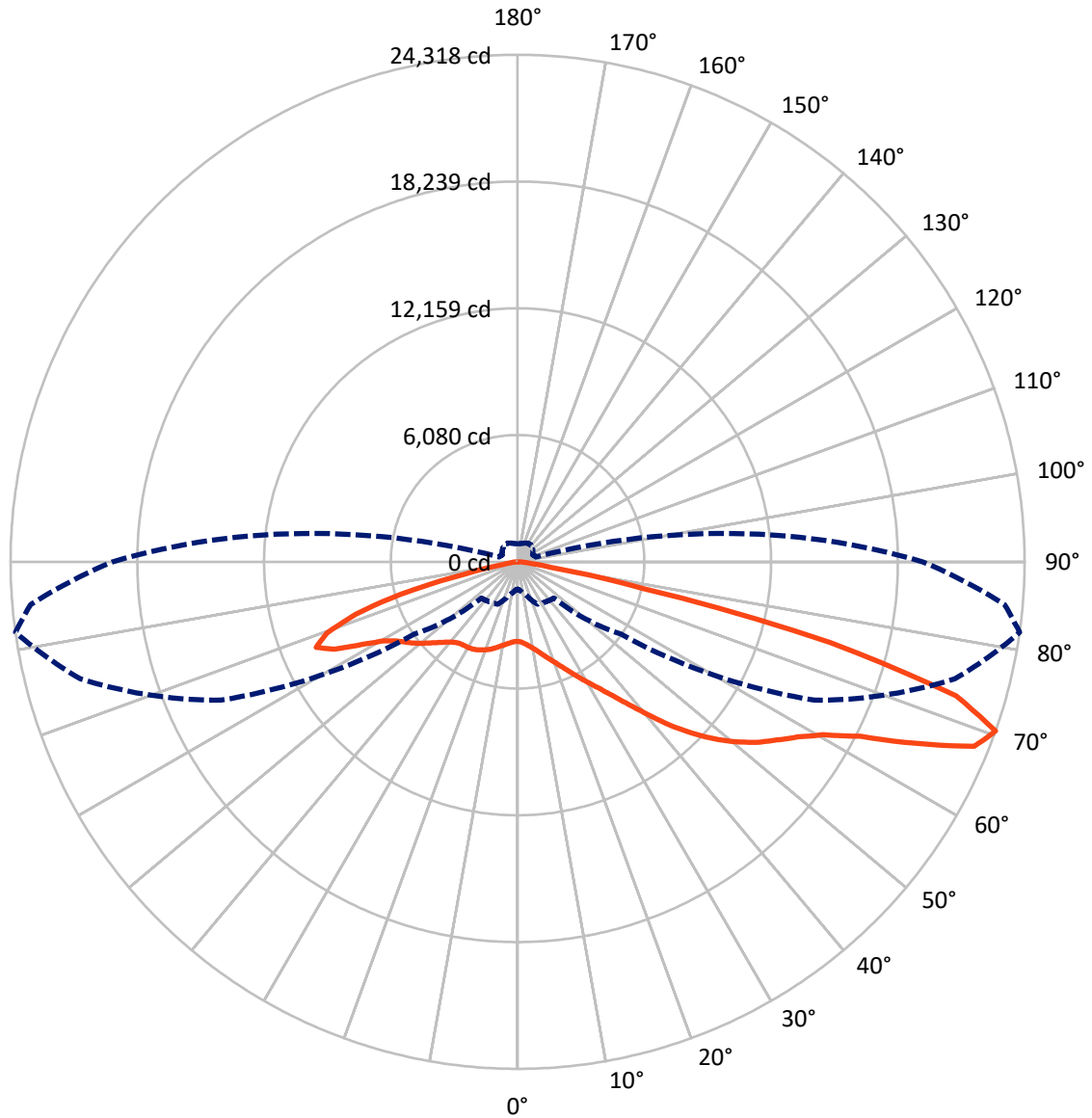
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Medium - N/A

REPORT NUMBER: P848366
CATALOG NUMBER: GLAN-SB4D-927-U-T2

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
House Side	Lumens	6415.3	0.0	6415.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	19607.7	0.0	19607.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	26023.0	0.0	26023.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.2	1.4
10°-20°	1035.0	4.0
20°-30°	1731.4	6.7
30°-40°	2704.9	10.4
40°-50°	4307.8	16.6
50°-60°	5994.9	23.0
60°-70°	6270.9	24.1
70°-80°	3277.5	12.6
80°-90°	340.3	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°	26023.0	100.0
0°-180°	26023.0	100.0

Coefficient of Utilization



REPORT NUMBER: P848366

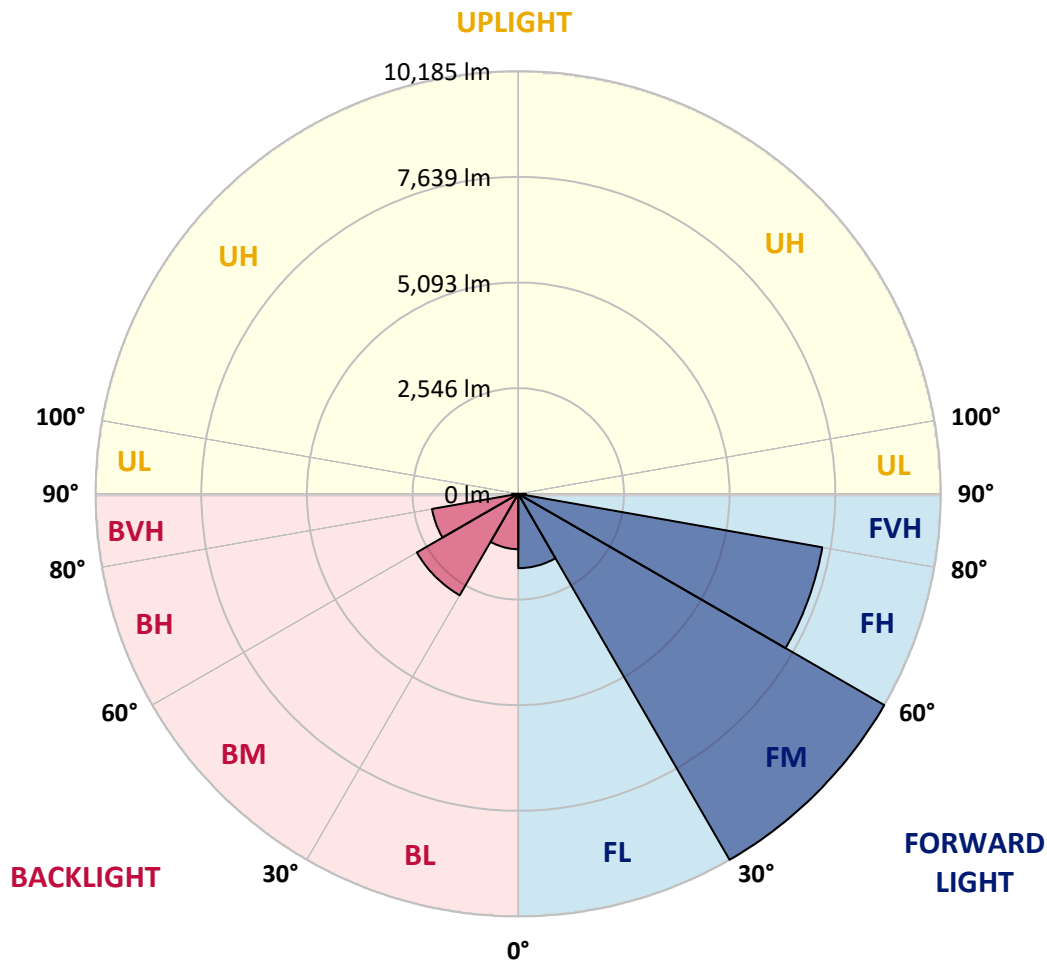
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1792.0	6.9			
FM (30°-60°)	10185.1	39.1			
FH (60°-80°)	7440.1	28.6			G3/7500
FVH (80°-90°)	190.5	0.7			G2/225
BL (0°-30°)	1334.6	5.1	B3/2500		
BM (30°-60°)	2822.5	10.8	B3/5000		
BH (60°-80°)	2108.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	149.8	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



REPORT NUMBER: P848366

CATALOG NUMBER: GLAN-SB4D-927-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3815.3	3815.3	3815.3	3815.3	3815.3	3815.3	3815.3	3815.3	3815.3	3815.3
2.5°	3906.4	3928.5	3921.6	3914.7	3914.7	3905.1	3903.7	3889.9	3878.8	3860.9
5°	3956.1	3979.6	3976.9	3982.4	4000.3	4004.5	4008.6	4000.3	3978.2	3956.1
7.5°	3912.0	3938.2	3946.5	3979.6	4034.9	4084.6	4121.8	4137.0	4116.3	4084.6
10°	3762.8	3791.8	3820.8	3899.5	3997.6	4114.9	4214.4	4273.7	4269.6	4239.2
12.5°	3460.4	3490.8	3552.9	3706.2	3885.7	4092.8	4277.9	4402.2	4445.0	4422.9
15°	3218.8	3245.0	3292.0	3449.4	3682.7	3997.6	4301.4	4543.0	4652.1	4639.7
17.5°	3211.9	3222.9	3251.9	3326.5	3506.0	3848.4	4276.5	4681.1	4889.6	4888.2
20°	3333.4	3337.5	3354.1	3369.3	3471.5	3735.2	4213.0	4795.7	5156.1	5156.1
22.5°	3501.8	3499.1	3515.7	3501.8	3551.6	3725.5	4172.9	4896.5	5453.0	5475.1
25°	3754.5	3740.7	3736.6	3704.8	3714.5	3815.3	4217.1	5011.1	5805.1	5850.7
27.5°	4091.5	4069.4	4054.2	3981.0	3956.1	4000.3	4352.4	5149.2	6197.3	6276.0
30°	4530.6	4490.5	4468.4	4341.4	4251.6	4258.6	4556.8	5332.9	6607.4	6734.4
32.5°	5129.9	5067.7	5008.4	4799.8	4635.5	4581.7	4820.6	5586.9	7052.0	7255.0
35°	5801.0	5751.3	5687.7	5366.0	5113.3	4989.0	5176.8	5941.8	7572.6	7894.3
37.5°	6447.2	6404.4	6434.8	6001.2	5675.3	5494.4	5643.5	6418.2	8214.7	8689.7
40°	7115.5	7082.4	7086.5	6672.3	6292.5	6089.6	6209.7	7016.1	8950.7	9635.6
42.5°	7841.9	7817.0	7734.2	7366.9	6940.2	6751.0	6861.5	7706.5	9740.5	10712.7
45°	8655.2	8640.0	8562.7	8141.5	7652.7	7440.0	7589.2	8468.8	10534.5	11726.2
47.5°	9358.0	9370.5	9360.8	9005.9	8499.2	8187.1	8365.2	9264.1	11273.3	12679.0
50°	9696.4	9761.3	9856.5	9746.1	9431.2	9113.6	9148.2	10031.9	11977.5	13572.4
52.5°	9519.6	9642.5	9902.1	10078.8	10200.4	10134.1	10041.6	10794.1	12640.3	14378.8
55°	8860.9	9033.5	9464.4	9891.1	10511.1	10993.0	11114.5	11639.2	13286.6	15088.6
57.5°	7661.0	7941.3	8327.9	9191.0	10234.9	11408.6	12365.5	12811.6	13971.5	15846.7
60°	5603.5	5979.1	6459.6	7743.8	9268.3	11186.3	13430.2	14612.2	14945.0	16828.5
62.5°	3586.1	3818.1	4259.9	5469.6	7221.9	10047.1	13756.1	16863.0	16595.1	18438.5
65°	2455.2	2604.3	3008.9	3688.3	4668.7	7478.7	12883.4	18550.4	19216.0	20990.3
67.5°	1784.1	1897.3	2242.5	2837.7	3042.0	4425.6	9997.4	18473.1	21763.6	23619.5
70°	1300.8	1380.9	1670.8	2242.5	2340.5	2462.1	6056.4	15703.1	21708.4	24318.2
72.5°	963.8	1019.1	1213.8	1739.9	1894.5	1662.5	2997.8	11412.8	18653.9	21995.6
75°	697.3	738.8	882.4	1331.1	1516.2	1266.2	1495.5	6669.5	13011.8	15472.5
77.5°	533.0	564.8	658.7	974.9	1213.8	950.0	927.9	3068.3	6169.7	6200.0
80°	428.1	448.8	499.9	686.3	930.7	711.1	604.8	1238.6	1949.8	1650.1
82.5°	314.8	349.4	422.5	481.9	665.6	490.2	368.7	625.5	741.5	638.0
85°	179.5	203.0	255.5	345.2	425.3	299.6	211.3	277.6	345.2	283.1
87.5°	63.5	82.9	89.8	135.3	185.0	124.3	81.5	80.1	113.2	84.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P848366
 CATALOG NUMBER: GLAN-SB4D-927-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3815.3	0°	3815.3	3815.3	3815.3	3815.3	3815.3	3815.3	3815.3	3815.3	3815.3	3815.3
3856.7	2.5°	3842.9	3836.0	3808.4	3771.1	3732.4	3695.2	3682.7	3656.5	3638.5	3628.9
3946.5	5°	3920.2	3898.1	3833.2	3750.4	3663.4	3569.5	3503.2	3442.5	3398.3	3356.9
4069.4	7.5°	4030.7	3992.0	3880.2	3735.2	3580.6	3424.5	3308.5	3220.1	3160.8	3122.1
4213.0	10°	4159.1	4099.8	3928.5	3711.7	3472.8	3249.1	3112.4	3036.5	2999.2	2978.5
4377.3	12.5°	4306.9	4222.6	3978.2	3657.9	3308.5	3053.1	2959.2	2937.1	2938.5	2939.8
4584.4	15°	4489.2	4371.8	4018.3	3540.5	3094.5	2902.6	2886.0	2921.9	2959.2	2977.1
4819.2	17.5°	4694.9	4529.2	4025.2	3347.2	2884.6	2805.9	2858.4	2935.7	2992.3	3017.2
5081.5	20°	4915.8	4689.4	3975.5	3073.8	2712.0	2727.2	2821.1	2920.5	2982.6	3014.4
5381.2	22.5°	5168.5	4860.6	3856.7	2786.6	2571.1	2641.6	2752.0	2848.7	2913.6	2945.4
5733.3	25°	5457.1	5052.5	3670.3	2544.9	2449.6	2544.9	2655.4	2735.5	2787.9	2816.9
6126.8	27.5°	5777.5	5252.8	3421.8	2353.0	2343.3	2445.5	2536.6	2598.8	2626.4	2648.5
6545.2	30°	6099.2	5435.0	3120.7	2208.0	2250.8	2347.5	2412.4	2440.0	2448.3	2452.4
7012.0	32.5°	6447.2	5592.5	2804.5	2087.8	2162.4	2252.2	2290.8	2303.3	2264.6	2238.4
7578.1	35°	6868.4	5760.9	2495.2	1992.6	2075.4	2152.8	2165.2	2154.1	2108.6	2054.7
8287.9	37.5°	7388.9	5970.8	2248.0	1924.9	1994.0	2045.0	2029.9	2027.1	2031.2	1967.7
9141.2	40°	8026.9	6244.2	2067.1	1872.4	1927.7	1938.7	1895.9	1919.4	1940.1	1843.4
10077.5	42.5°	8735.3	6574.2	1952.5	1836.5	1872.4	1846.2	1779.9	1806.2	1803.4	1676.4
11017.8	45°	9457.5	6933.3	1912.5	1810.3	1821.3	1768.9	1695.7	1702.6	1644.6	1530.0
11919.5	47.5°	10175.5	7318.5	1937.3	1788.2	1757.8	1698.4	1641.8	1611.5	1525.8	1440.2
12783.9	50°	10879.7	7723.1	2028.5	1744.0	1670.8	1636.3	1594.9	1541.0	1449.9	1376.7
13601.4	52.5°	11532.9	8130.5	2130.7	1670.8	1561.7	1582.5	1556.2	1494.1	1404.3	1329.8
14374.7	55°	12151.5	8537.8	2170.7	1570.0	1459.6	1535.5	1520.3	1405.7	1298.0	1237.2
15183.9	57.5°	12825.4	9028.0	2126.5	1441.6	1376.7	1481.7	1423.7	1296.6	1234.5	1188.9
16237.5	60°	13758.8	9797.2	2031.2	1282.8	1298.0	1401.6	1302.1	1249.7	1182.0	1130.9
17817.1	62.5°	15309.5	11231.9	1878.0	1125.4	1205.5	1282.8	1244.1	1191.7	1122.6	1072.9
20518.1	65°	17601.7	13225.8	1589.4	1002.5	1101.9	1166.8	1182.0	1129.5	1057.7	1005.3
22884.9	67.5°	19534.9	14476.9	1202.7	900.3	995.6	1072.9	1115.7	1064.6	988.7	937.6
23438.6	70°	19428.6	13568.3	918.3	799.5	901.7	980.4	1035.6	995.6	914.1	865.8
21290.0	72.5°	17256.5	11350.6	742.9	697.3	806.4	883.7	950.0	919.6	836.8	789.8
15596.7	75°	12677.6	8057.3	593.8	593.8	687.7	782.9	856.1	836.8	760.9	727.7
6548.0	77.5°	5343.9	3380.3	465.3	493.0	571.7	672.5	763.6	770.5	704.2	745.7
1731.6	80°	1420.9	932.1	354.9	388.0	448.8	555.1	664.2	661.4	589.6	551.0
643.5	82.5°	541.3	367.3	252.7	273.4	324.5	425.3	526.1	542.7	470.9	407.4
252.7	85°	208.5	157.4	156.0	164.3	189.2	281.7	397.7	411.5	354.9	301.0
70.4	87.5°	53.9	46.9	58.0	55.2	87.0	150.5	227.8	236.1	216.8	125.7
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°
3815.3
3639.9
3373.4
3130.4
2984.0
2942.6
2975.7
3022.7
3022.7
2953.6
2825.2
2656.8
2462.1
2246.6
2057.5
1971.9
1846.2
1675.0
1534.1
1440.2
1371.2
1331.1
1231.7
1184.8
1128.2
1072.9
1008.0
939.0
869.9
789.8
718.0
676.6
512.3
407.4
310.7
179.5
0.0

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