

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: P849906

Luminaire Tested: **GLAN-SB7A-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849906
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-SB7A-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21325 lumens
Efficiency: N/A
Efficacy: 107.1 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

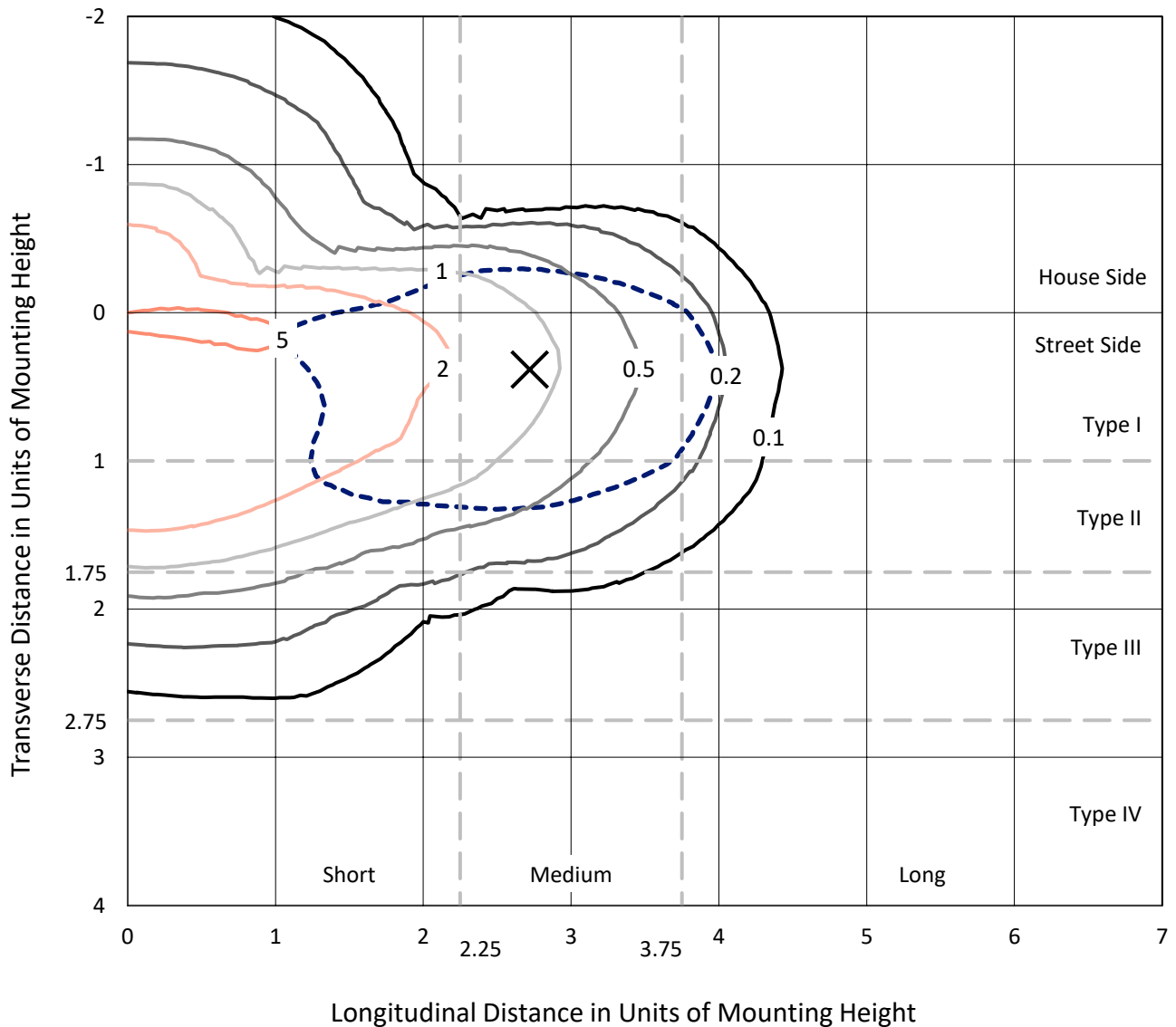
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

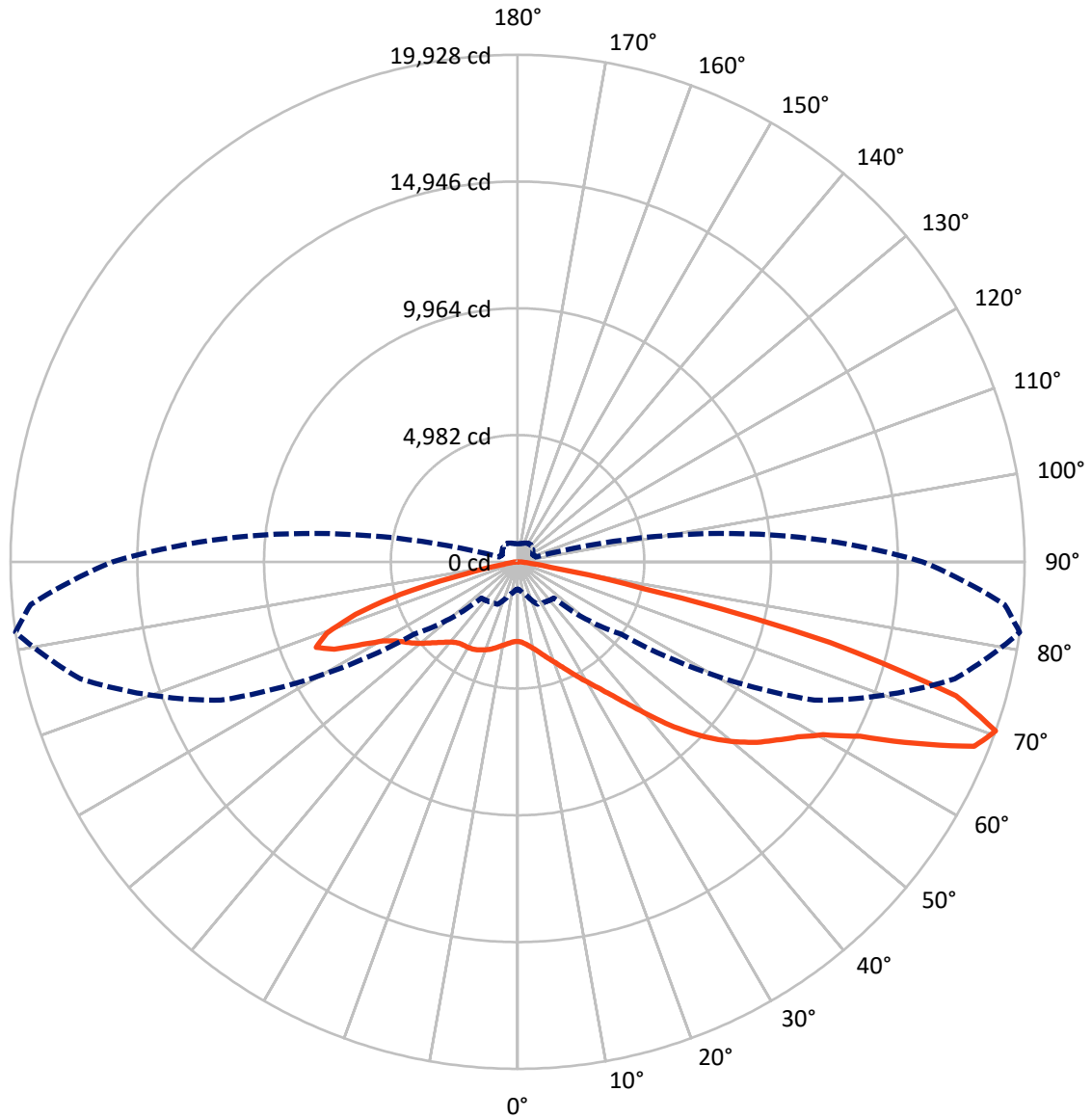
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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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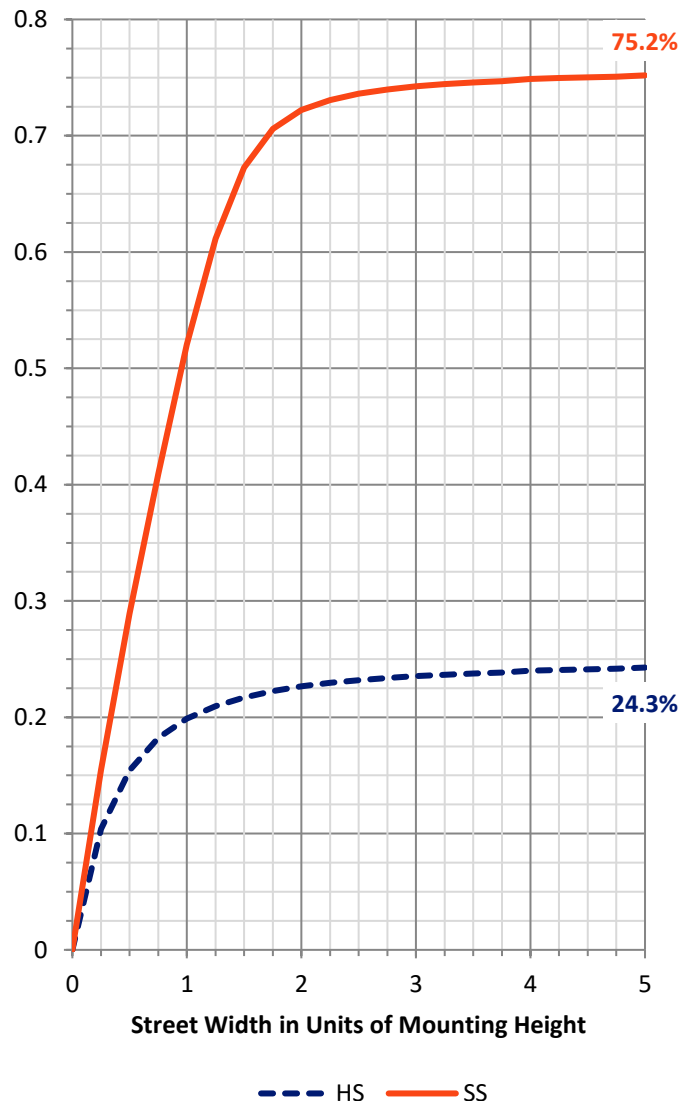
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5257.1	0.0	5257.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	16067.9	0.0	16067.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	21325.0	0.0	21325.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.2	1.4
10°-20°	848.1	4.0
20°-30°	1418.8	6.7
30°-40°	2216.6	10.4
40°-50°	3530.1	16.6
50°-60°	4912.6	23.0
60°-70°	5138.8	24.1
70°-80°	2685.8	12.6
80°-90°	278.9	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°	21325.0	100.0
0°-180°	21325.0	100.0

Coefficient of Utilization

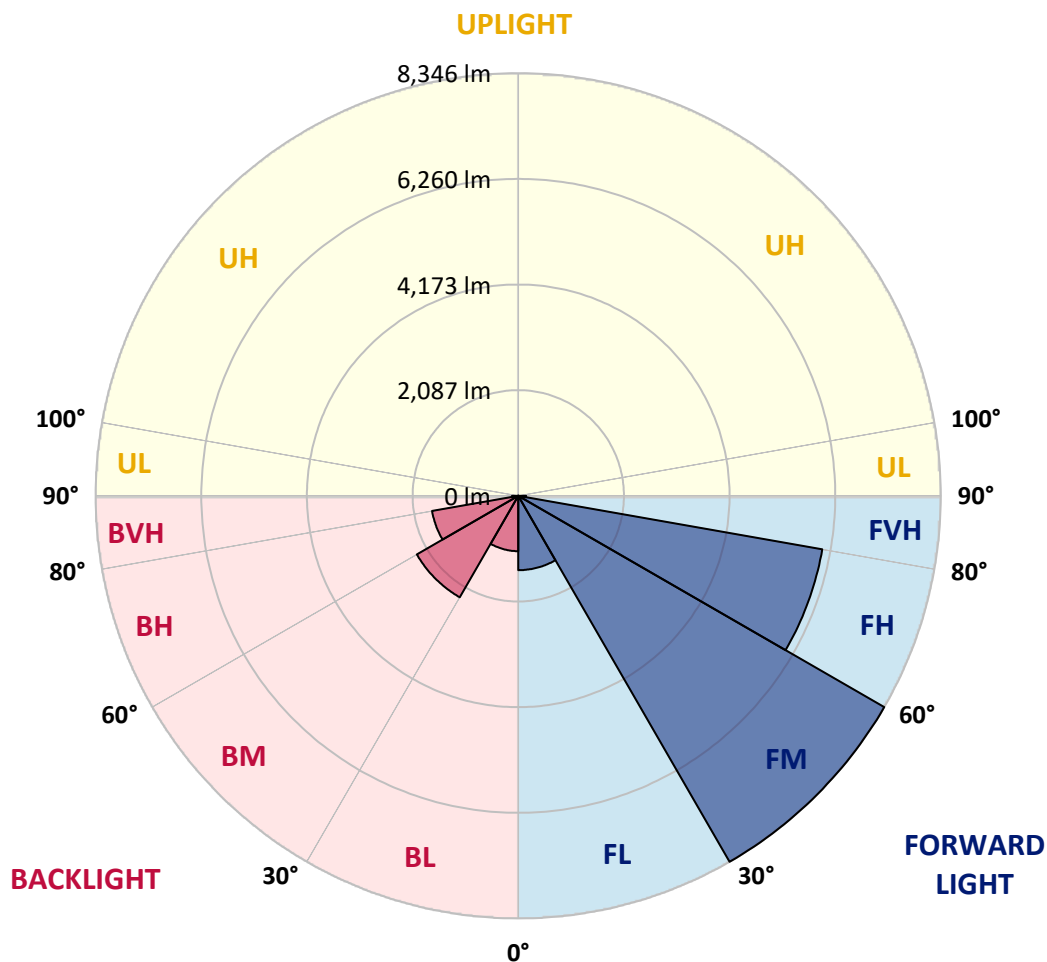


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1468.5	6.9			
FM (30°-60°)	8346.4	39.1			
FH (60°-80°)	6096.9	28.6			G3/7500
FVH (80°-90°)	156.1	0.7			G2/225
BL (0°-30°)	1093.7	5.1	B3/2500		
BM (30°-60°)	2312.9	10.8	B2/2500		
BH (60°-80°)	1727.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	122.8	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3126.5	3126.5	3126.5	3126.5	3126.5	3126.5	3126.5	3126.5	3126.5	3126.5
2.5°	3201.2	3219.3	3213.6	3208.0	3208.0	3200.1	3198.9	3187.6	3178.6	3163.9
5°	3241.9	3261.2	3258.9	3263.4	3278.1	3281.5	3284.9	3278.1	3260.0	3241.9
7.5°	3205.7	3227.2	3234.0	3261.2	3306.4	3347.2	3377.7	3390.2	3373.2	3347.2
10°	3083.5	3107.3	3131.0	3195.5	3275.9	3372.1	3453.5	3502.2	3498.8	3473.9
12.5°	2835.7	2860.6	2911.5	3037.1	3184.2	3354.0	3505.6	3607.4	3642.5	3624.4
15°	2637.7	2659.2	2697.6	2826.6	3017.9	3275.9	3524.8	3722.8	3812.2	3802.1
17.5°	2632.0	2641.1	2664.8	2725.9	2873.0	3153.7	3504.5	3836.0	4006.9	4005.7
20°	2731.6	2735.0	2748.6	2761.0	2844.8	3060.9	3452.4	3929.9	4225.3	4225.3
22.5°	2869.6	2867.4	2881.0	2869.6	2910.4	3053.0	3419.6	4012.5	4468.5	4486.7
25°	3076.7	3065.4	3062.0	3036.0	3043.9	3126.5	3455.8	4106.4	4757.1	4794.4
27.5°	3352.8	3334.7	3322.3	3262.3	3241.9	3278.1	3566.7	4219.6	5078.5	5143.0
30°	3712.7	3679.8	3661.7	3557.6	3484.1	3489.7	3734.2	4370.1	5414.5	5518.6
32.5°	4203.8	4152.8	4104.2	3933.3	3798.7	3754.5	3950.3	4578.3	5778.9	5945.2
35°	4753.7	4713.0	4660.9	4397.3	4190.2	4088.3	4242.2	4869.1	6205.5	6469.2
37.5°	5283.3	5248.2	5273.1	4917.8	4650.7	4502.5	4624.7	5259.5	6731.7	7120.9
40°	5830.9	5803.8	5807.2	5467.7	5156.5	4990.2	5088.6	5749.5	7334.8	7896.1
42.5°	6426.2	6405.8	6337.9	6036.9	5687.2	5532.2	5622.7	6315.3	7982.1	8778.7
45°	7092.6	7080.2	7016.8	6671.7	6271.1	6096.9	6219.1	6939.9	8632.7	9609.2
47.5°	7668.6	7678.8	7670.9	7380.1	6964.8	6709.0	6855.0	7591.7	9238.1	10390.0
50°	7945.8	7999.0	8077.1	7986.6	7728.6	7468.3	7496.6	8220.8	9815.2	11122.1
52.5°	7801.0	7901.7	8114.4	8259.3	8358.9	8304.5	8228.7	8845.4	10358.3	11783.0
55°	7261.2	7402.7	7755.7	8105.4	8613.5	9008.4	9108.0	9538.0	10887.9	12364.6
57.5°	6277.9	6507.6	6824.5	7531.7	8387.2	9349.0	10133.2	10498.7	11449.2	12985.8
60°	4591.9	4899.7	5293.5	6345.8	7595.1	9166.8	11005.6	11974.2	12246.9	13790.4
62.5°	2938.7	3128.8	3490.9	4482.1	5918.1	8233.3	11272.6	13818.7	13599.1	15109.8
65°	2011.9	2134.1	2465.7	3022.4	3825.8	6128.6	10557.5	15201.4	15746.8	17200.9
67.5°	1462.0	1554.8	1837.7	2325.4	2492.8	3626.7	8192.5	15138.1	17834.6	19355.4
70°	1065.9	1131.6	1369.2	1837.7	1918.0	2017.6	4963.0	12868.1	17789.3	19928.0
72.5°	789.8	835.1	994.6	1425.8	1552.5	1362.4	2456.6	9352.4	15286.3	18024.7
75°	571.4	605.4	723.1	1090.8	1242.5	1037.6	1225.5	5465.5	10662.7	12679.2
77.5°	436.8	462.8	539.8	798.9	994.6	778.5	760.4	2514.3	5055.8	5080.7
80°	350.8	367.8	409.6	562.4	762.7	582.8	495.6	1015.0	1597.8	1352.2
82.5°	258.0	286.3	346.3	394.9	545.4	401.7	302.1	512.6	607.6	522.8
85°	147.1	166.3	209.3	282.9	348.5	245.5	173.1	227.4	282.9	232.0
87.5°	52.1	67.9	73.6	110.9	151.6	101.8	66.8	65.6	92.8	69.0
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°
3126.5	0°	3126.5	3126.5	3126.5	3126.5	3126.5	3126.5	3126.5	3126.5	3126.5	3126.5
3160.5	2.5°	3149.1	3143.5	3120.9	3090.3	3058.6	3028.1	3017.9	2996.4	2981.7	2973.8
3234.0	5°	3212.5	3194.4	3141.2	3073.3	3002.0	2925.1	2870.8	2821.0	2784.8	2750.8
3334.7	7.5°	3303.0	3271.4	3179.7	3060.9	2934.1	2806.3	2711.2	2638.8	2590.2	2558.5
3452.4	10°	3408.3	3359.6	3219.3	3041.6	2845.9	2662.6	2550.5	2488.3	2457.8	2440.8
3587.1	12.5°	3529.3	3460.3	3260.0	2997.5	2711.2	2501.9	2424.9	2406.8	2408.0	2409.1
3756.8	15°	3678.7	3582.5	3292.9	2901.3	2535.8	2378.5	2365.0	2394.4	2424.9	2439.7
3949.2	17.5°	3847.3	3711.5	3298.5	2742.9	2363.8	2299.3	2342.3	2405.7	2452.1	2472.5
4164.2	20°	4028.4	3842.8	3257.8	2518.9	2222.4	2234.8	2311.8	2393.3	2444.2	2470.2
4409.7	22.5°	4235.4	3983.1	3160.5	2283.5	2107.0	2164.7	2255.2	2334.4	2387.6	2413.6
4698.3	25°	4471.9	4140.4	3007.7	2085.5	2007.4	2085.5	2176.0	2241.6	2284.6	2308.4
5020.7	27.5°	4734.5	4304.5	2804.0	1928.2	1920.3	2004.0	2078.7	2129.6	2152.2	2170.3
5363.6	30°	4998.1	4453.8	2557.3	1809.4	1844.4	1923.7	1976.8	1999.5	2006.3	2009.7
5746.1	32.5°	5283.3	4582.8	2298.2	1710.9	1772.0	1845.6	1877.3	1887.4	1855.8	1834.3
6210.0	35°	5628.4	4720.9	2044.7	1632.8	1700.7	1764.1	1774.3	1765.2	1727.9	1683.8
6791.6	37.5°	6055.0	4892.9	1842.2	1577.4	1634.0	1675.8	1663.4	1661.1	1664.5	1612.5
7491.0	40°	6577.8	5116.9	1694.0	1534.4	1579.7	1588.7	1553.6	1572.9	1589.8	1510.6
8258.2	42.5°	7158.3	5387.4	1600.0	1505.0	1534.4	1512.9	1458.6	1480.1	1477.8	1373.7
9028.8	45°	7750.1	5681.6	1567.2	1483.5	1492.5	1449.5	1389.6	1395.2	1347.7	1253.8
9767.7	47.5°	8338.5	5997.3	1587.6	1465.4	1440.5	1391.8	1345.4	1320.5	1250.4	1180.2
10476.0	50°	8915.6	6328.8	1662.3	1429.2	1369.2	1340.9	1307.0	1262.8	1188.1	1128.2
11145.9	52.5°	9450.8	6662.6	1746.0	1369.2	1279.8	1296.8	1275.3	1224.4	1150.8	1089.7
11779.6	55°	9957.8	6996.5	1778.8	1286.6	1196.1	1258.3	1245.9	1151.9	1063.7	1013.9
12442.7	57.5°	10510.0	7398.2	1742.6	1181.4	1128.2	1214.2	1166.6	1062.5	1011.6	974.3
13306.1	60°	11274.9	8028.4	1664.5	1051.2	1063.7	1148.5	1067.1	1024.1	968.6	926.8
14600.6	62.5°	12545.7	9204.1	1538.9	922.2	987.9	1051.2	1019.5	976.5	920.0	879.2
16813.9	65°	14424.0	10838.1	1302.4	821.5	903.0	956.2	968.6	925.6	866.8	823.8
18753.4	67.5°	16008.2	11863.3	985.6	737.8	815.9	879.2	914.3	872.4	810.2	768.3
19207.2	70°	15921.1	11118.7	752.5	655.2	738.9	803.4	848.7	815.9	749.1	709.5
17446.5	72.5°	14141.2	9301.5	608.8	571.4	660.8	724.2	778.5	753.6	685.7	647.3
12781.0	75°	10388.9	6602.7	486.6	486.6	563.5	641.6	701.6	685.7	623.5	596.3
5365.9	77.5°	4379.2	2770.1	381.3	404.0	468.5	551.1	625.8	631.4	577.1	611.0
1419.0	80°	1164.4	763.8	290.8	318.0	367.8	454.9	544.3	542.0	483.2	451.5
527.3	82.5°	443.6	301.0	207.1	224.0	265.9	348.5	431.1	444.7	385.9	333.8
207.1	85°	170.9	129.0	127.9	134.7	155.0	230.8	325.9	337.2	290.8	246.7
57.7	87.5°	44.1	38.5	47.5	45.3	71.3	123.3	186.7	193.5	177.7	103.0
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°
3126.5
2982.8
2764.4
2565.3
2445.3
2411.4
2438.5
2477.0
2477.0
2420.4
2315.2
2177.1
2017.6
1841.1
1686.0
1615.9
1512.9
1372.6
1257.2
1180.2
1123.6
1090.8
1009.4
970.9
924.5
879.2
826.0
769.5
712.9
647.3
588.4
554.5
419.8
333.8
254.6
147.1
0.0

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