

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: P851146

Luminaire Tested: **GLAN-SB9A-727-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851146  
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-SB9A-727-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 70 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36003 lumens  
Efficiency: N/A  
Efficacy: 140.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

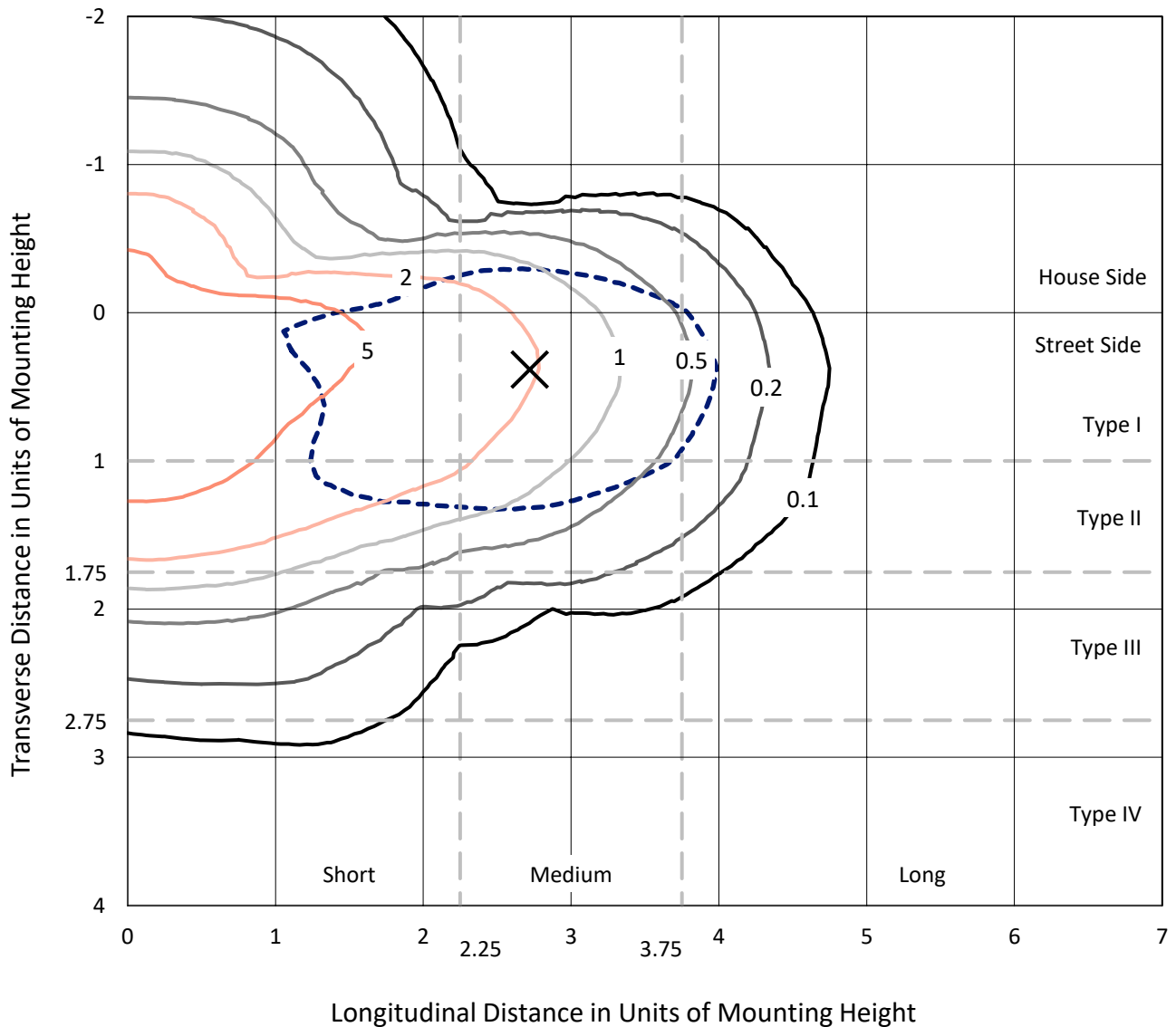
Input Watts (W): 255.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

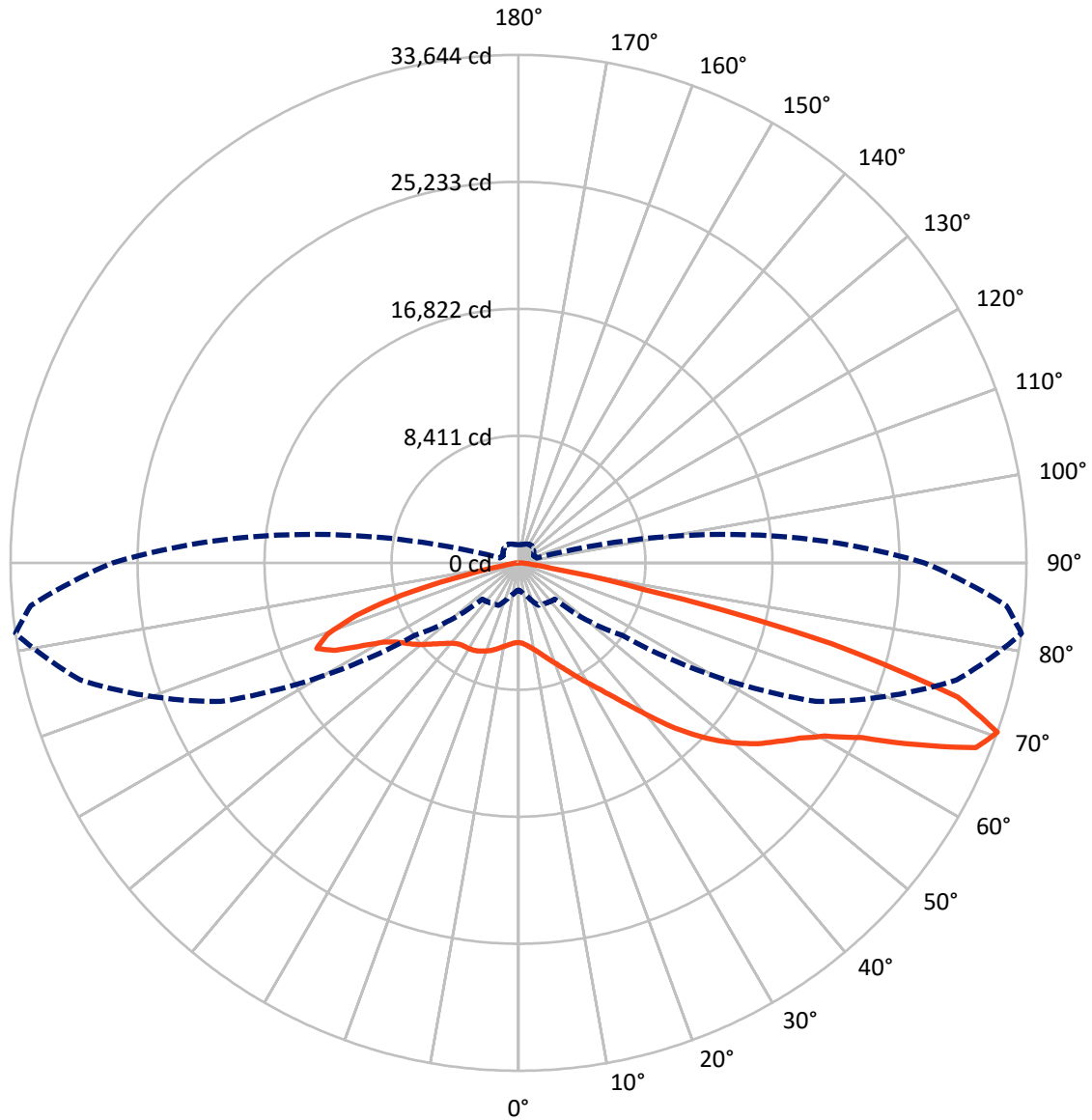
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 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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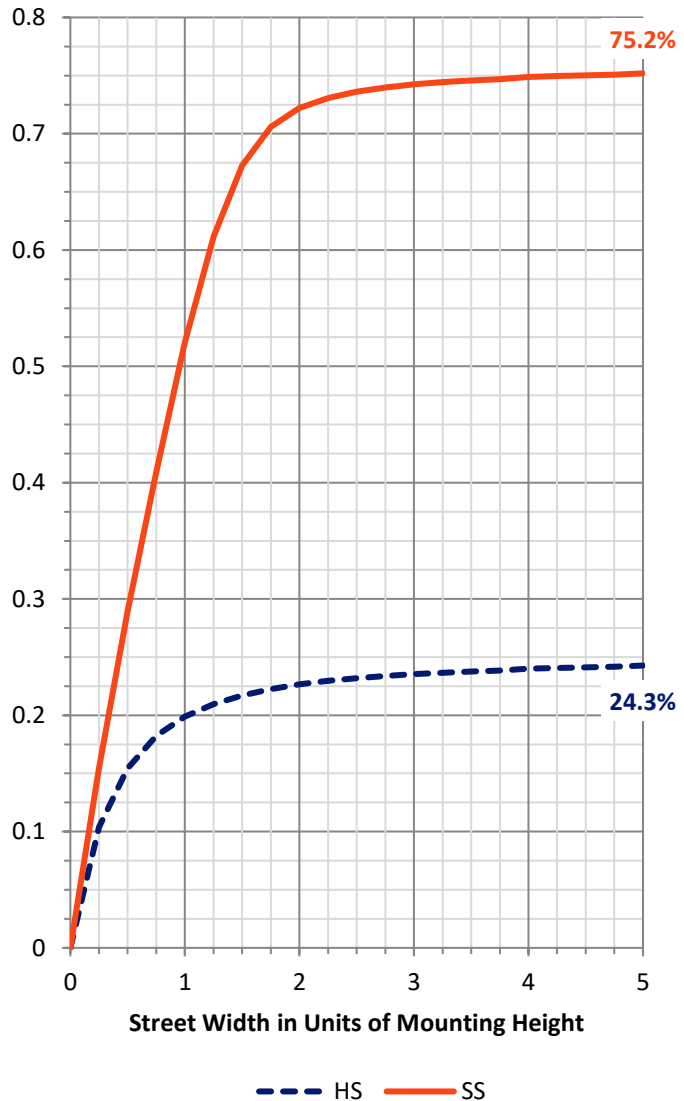
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8875.6	0.0	8875.6
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	27127.4	0.0	27127.4
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	36003.0	0.0	36003.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	498.4	1.4
10°-20°	1431.9	4.0
20°-30°	2395.4	6.7
30°-40°	3742.2	10.4
40°-50°	5959.9	16.6
50°-60°	8294.0	23.0
60°-70°	8675.9	24.1
70°-80°	4534.5	12.6
80°-90°	470.9	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°	36003.0	100.0
0°-180°	36003.0	100.0

**Coefficient of Utilization**

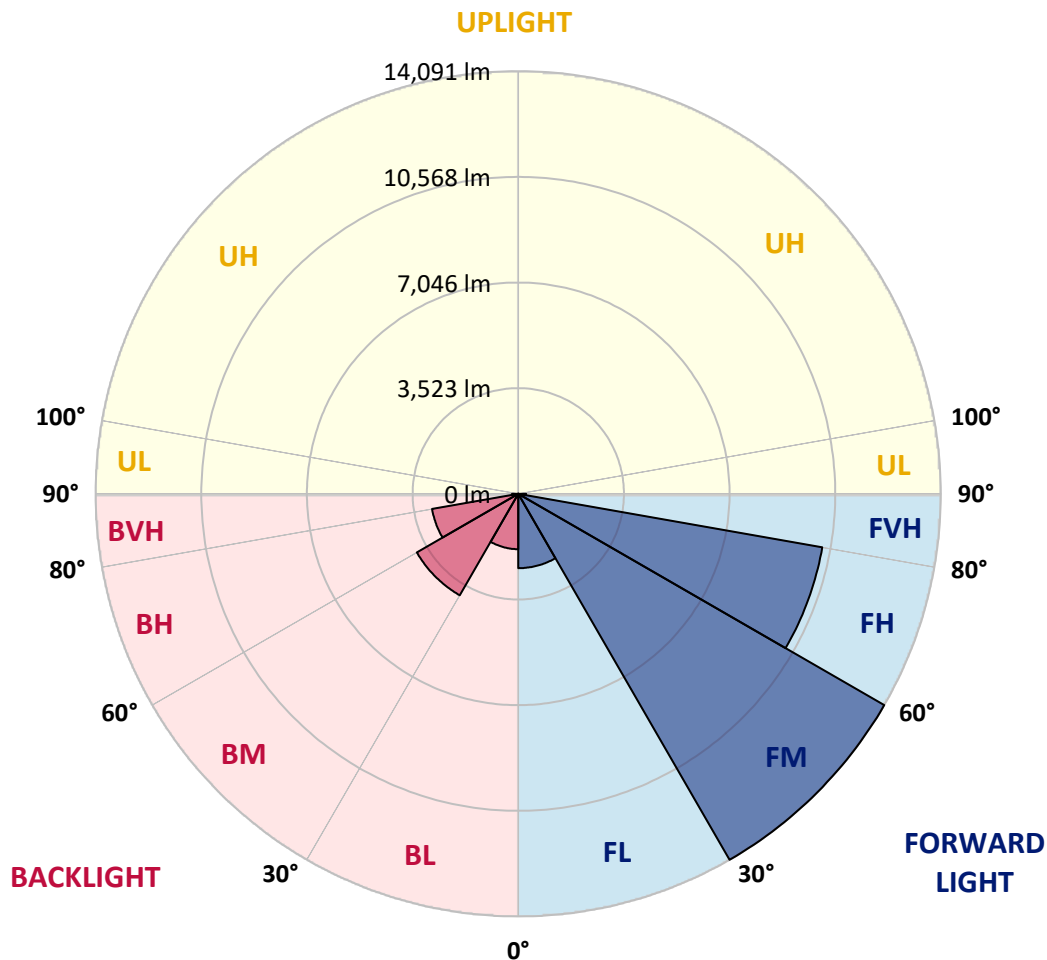


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2479.2	6.9			
FM (30°-60°)	14091.2	39.1			
FH (60°-80°)	10293.4	28.6			G4/12000
FVH (80°-90°)	263.6	0.7			G3/500
BL (0°-30°)	1846.5	5.1	B3/2500		
BM (30°-60°)	3904.9	10.8	B3/5000		
BH (60°-80°)	2917.0	8.1	B4/5000		G4/5000
BVH (80°-90°)	207.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5278.5	5278.5	5278.5	5278.5	5278.5	5278.5	5278.5	5278.5	5278.5	5278.5
2.5°	5404.6	5435.1	5425.6	5416.0	5416.0	5402.7	5400.8	5381.7	5366.4	5341.5
5°	5473.4	5505.8	5502.0	5509.7	5534.5	5540.2	5545.9	5534.5	5503.9	5473.4
7.5°	5412.2	5448.5	5460.0	5505.8	5582.2	5651.0	5702.6	5723.6	5695.0	5651.0
10°	5205.9	5246.0	5286.1	5395.0	5530.7	5693.1	5830.6	5912.7	5907.0	5865.0
12.5°	4787.5	4829.5	4915.5	5127.6	5375.9	5662.5	5918.5	6090.4	6149.6	6119.1
15°	4453.2	4489.5	4554.4	4772.2	5095.1	5530.7	5951.0	6285.3	6436.2	6419.0
17.5°	4443.6	4458.9	4499.0	4602.2	4850.6	5324.3	5916.6	6476.3	6764.8	6762.9
20°	4611.8	4617.5	4640.4	4661.4	4802.8	5167.7	5828.7	6634.9	7133.5	7133.5
22.5°	4844.8	4841.0	4863.9	4844.8	4913.6	5154.3	5773.3	6774.3	7544.2	7574.8
25°	5194.4	5175.3	5169.6	5125.7	5139.0	5278.5	5834.4	6932.9	8031.4	8094.4
27.5°	5660.6	5630.0	5609.0	5507.7	5473.4	5534.5	6021.6	7124.0	8574.0	8682.9
30°	6268.1	6212.7	6182.1	6006.4	5882.2	5891.7	6304.4	7378.0	9141.4	9317.1
32.5°	7097.2	7011.2	6929.1	6640.6	6413.3	6338.8	6669.3	7729.6	9756.5	10037.3
35°	8025.7	7956.9	7869.0	7423.9	7074.3	6902.3	7162.2	8220.5	10476.7	10921.9
37.5°	8919.8	8860.5	8902.6	8302.7	7851.8	7601.6	7807.9	8879.6	11365.1	12022.3
40°	9844.4	9798.5	9804.3	9231.1	8705.8	8425.0	8591.2	9706.8	12383.3	13330.9
42.5°	10849.3	10814.9	10700.3	10192.1	9601.8	9340.0	9492.9	10662.1	13476.1	14821.0
45°	11974.5	11953.5	11846.5	11263.8	10587.5	10293.3	10499.7	11716.6	14574.6	16223.3
47.5°	12946.9	12964.1	12950.7	12459.8	11758.6	11326.9	11573.3	12817.0	15596.7	17541.5
50°	13415.0	13504.8	13636.6	13483.7	13048.2	12608.8	12656.5	13879.2	16571.0	18777.5
52.5°	13170.4	13340.5	13699.6	13944.2	14112.3	14020.6	13892.6	14933.8	17488.0	19893.2
55°	12259.2	12498.0	13094.0	13684.3	14542.1	15208.9	15377.0	16102.9	18382.1	20875.2
57.5°	10599.0	10986.8	11521.7	12715.8	14160.0	15783.9	17107.8	17724.9	19329.6	21924.0
60°	7752.5	8272.1	8936.9	10713.6	12822.7	15476.3	18580.7	20216.1	20676.5	23282.3
62.5°	4961.4	5282.3	5893.6	7567.2	9991.5	13900.2	19031.6	23330.0	22959.4	25509.8
65°	3396.7	3603.1	4162.8	5102.7	6459.1	10346.8	17824.2	25664.6	26585.4	29040.3
67.5°	2468.3	2624.9	3102.5	3925.9	4208.7	6122.9	13831.4	25557.6	30110.1	32677.7
70°	1799.6	1910.4	2311.6	3102.5	3238.2	3406.3	8379.1	21725.3	30033.7	33644.4
72.5°	1333.5	1409.9	1679.3	2407.1	2621.1	2300.1	4147.5	15789.6	25807.9	30431.1
75°	964.8	1022.1	1220.8	1841.6	2097.6	1751.9	2069.0	9227.3	18001.9	21406.3
77.5°	737.4	781.4	911.3	1348.8	1679.3	1314.4	1283.8	4245.0	8535.8	8577.8
80°	592.2	620.9	691.6	949.5	1287.6	983.9	836.8	1713.6	2697.5	2283.0
82.5°	435.6	483.3	584.6	666.7	920.8	678.2	510.1	865.4	1025.9	882.6
85°	248.4	280.8	353.4	477.6	588.4	414.6	292.3	384.0	477.6	391.6
87.5°	87.9	114.6	124.2	187.2	256.0	171.9	112.7	110.8	156.7	116.5
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°
5278.5	0°	5278.5	5278.5	5278.5	5278.5	5278.5	5278.5	5278.5	5278.5	5278.5	5278.5
5335.8	2.5°	5316.7	5307.1	5268.9	5217.4	5163.9	5112.3	5095.1	5058.8	5034.0	5020.6
5460.0	5°	5423.7	5393.1	5303.3	5188.7	5068.3	4938.4	4846.7	4762.7	4701.5	4644.2
5630.0	7.5°	5576.5	5523.0	5368.3	5167.7	4953.7	4737.8	4577.4	4455.1	4373.0	4319.5
5828.7	10°	5754.2	5672.0	5435.1	5135.2	4804.7	4495.2	4306.1	4201.0	4149.4	4120.8
6056.0	12.5°	5958.6	5842.1	5503.9	5060.7	4577.4	4223.9	4094.0	4063.5	4065.4	4067.3
6342.6	15°	6210.8	6048.4	5559.3	4898.3	4281.3	4015.7	3992.8	4042.4	4094.0	4118.9
6667.4	17.5°	6495.4	6266.2	5568.9	4630.9	3990.9	3882.0	3954.6	4061.6	4139.9	4174.3
7030.3	20°	6801.1	6487.8	5500.1	4252.6	3752.1	3773.1	3903.0	4040.5	4126.5	4170.4
7444.9	22.5°	7150.7	6724.7	5335.8	3855.2	3557.2	3654.6	3807.5	3941.2	4031.0	4074.9
7932.1	25°	7550.0	6990.2	5077.9	3520.9	3389.1	3520.9	3673.7	3784.5	3857.1	3897.3
8476.5	27.5°	7993.2	7267.2	4734.0	3255.4	3242.0	3383.4	3509.4	3595.4	3633.6	3664.2
9055.4	30°	8438.3	7519.4	4317.5	3054.8	3114.0	3247.7	3337.5	3375.7	3387.2	3392.9
9701.1	32.5°	8919.8	7737.2	3880.1	2888.6	2991.7	3115.9	3169.4	3186.6	3133.1	3096.8
10484.4	35°	9502.4	7970.3	3452.1	2756.7	2871.4	2978.3	2995.5	2980.3	2917.2	2842.7
11466.3	37.5°	10222.7	8260.7	3110.2	2663.1	2758.6	2829.3	2808.3	2804.5	2810.2	2722.3
12647.0	40°	11105.3	8638.9	2859.9	2590.5	2666.9	2682.2	2623.0	2655.5	2684.1	2550.4
13942.2	42.5°	12085.3	9095.5	2701.3	2540.9	2590.5	2554.2	2462.5	2498.8	2495.0	2319.2
15243.2	45°	13084.5	9592.2	2645.9	2504.6	2519.8	2447.2	2346.0	2355.5	2275.3	2116.7
16490.7	47.5°	14077.9	10125.2	2680.3	2474.0	2432.0	2349.8	2271.5	2229.5	2111.0	1992.6
17686.7	50°	15052.2	10685.0	2806.4	2412.9	2311.6	2263.8	2206.5	2132.0	2005.9	1904.7
18817.6	52.5°	15955.8	11248.6	2947.8	2311.6	2160.7	2189.3	2153.0	2067.1	1942.9	1839.7
19887.5	55°	16811.7	11812.1	3003.2	2172.1	2019.3	2124.4	2103.4	1944.8	1795.8	1711.7
21007.0	57.5°	17744.0	12490.3	2942.0	1994.5	1904.7	2049.9	1969.6	1793.9	1707.9	1644.9
22464.6	60°	19035.4	13554.4	2810.2	1774.8	1795.8	1939.1	1801.5	1728.9	1635.3	1564.6
24650.1	62.5°	21180.8	15539.4	2598.2	1557.0	1667.8	1774.8	1721.3	1648.7	1553.2	1484.4
28386.9	65°	24352.1	18298.0	2198.9	1387.0	1524.5	1614.3	1635.3	1562.7	1463.4	1390.8
31661.4	67.5°	27026.7	20028.8	1664.0	1245.6	1377.4	1484.4	1543.6	1472.9	1367.9	1297.2
32427.5	70°	26879.6	18771.8	1270.4	1106.1	1247.5	1356.4	1432.8	1377.4	1264.7	1197.8
29454.9	72.5°	23874.5	15703.7	1027.8	964.8	1115.7	1222.7	1314.4	1272.3	1157.7	1092.8
21578.2	75°	17539.6	11147.3	821.5	821.5	951.4	1083.2	1184.5	1157.7	1052.6	1006.8
9059.2	77.5°	7393.3	4676.7	643.8	682.0	790.9	930.4	1056.5	1066.0	974.3	1031.6
2395.7	80°	1965.8	1289.5	491.0	536.8	620.9	768.0	918.9	915.1	815.7	762.3
890.3	82.5°	748.9	508.2	349.6	378.3	448.9	588.4	727.9	750.8	651.5	563.6
349.6	85°	288.5	217.8	215.9	227.3	261.7	389.7	550.2	569.3	491.0	416.5
97.4	87.5°	74.5	65.0	80.2	76.4	120.4	208.2	315.2	326.7	299.9	173.8
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°
5278.5
5035.9
4667.2
4330.9
4128.4
4071.1
4117.0
4181.9
4181.9
4086.4
3908.7
3675.6
3406.3
3108.3
2846.5
2728.1
2554.2
2317.3
2122.5
1992.6
1897.0
1841.6
1704.1
1639.1
1560.8
1484.4
1394.6
1299.1
1203.6
1092.8
993.4
936.1
708.8
563.6
429.8
248.4
0.0

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