

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: P850143

Luminaire Tested: **GLAN-SB7C-735-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850143  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7C-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

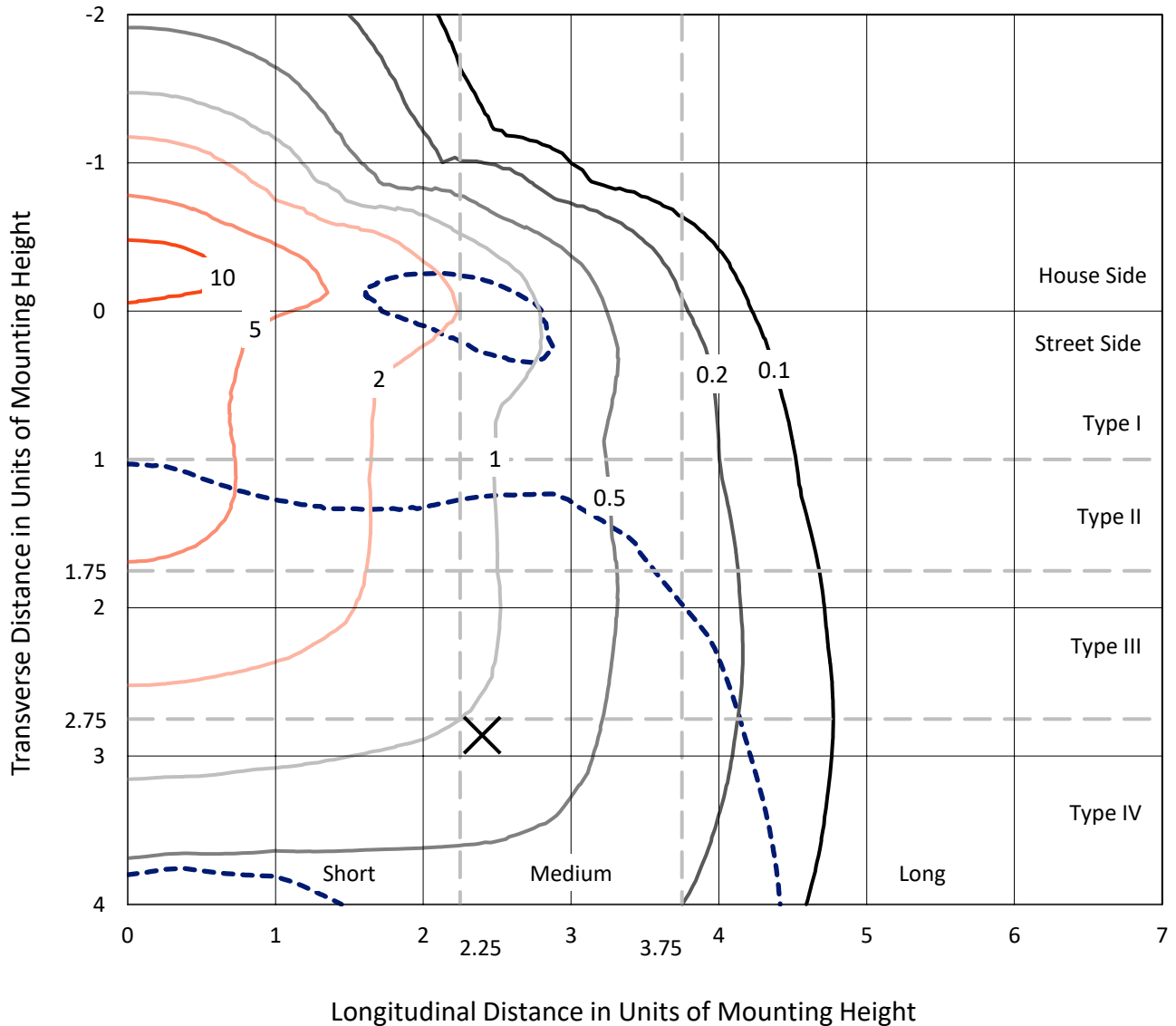
Lumens per Lamp: N/A  
Luminaire Lumens: 51808 lumens  
Efficiency: N/A  
Efficacy: 147.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

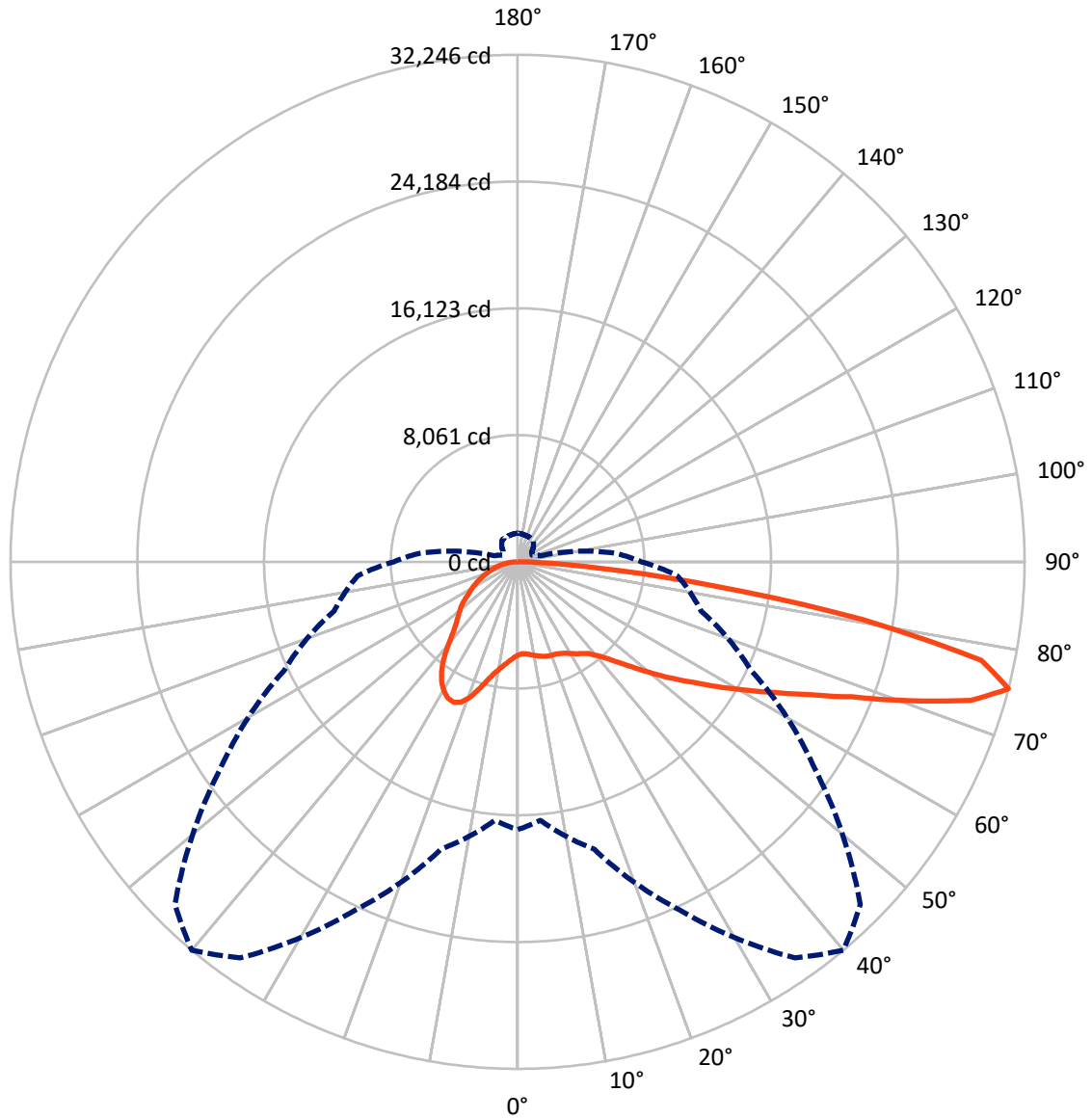
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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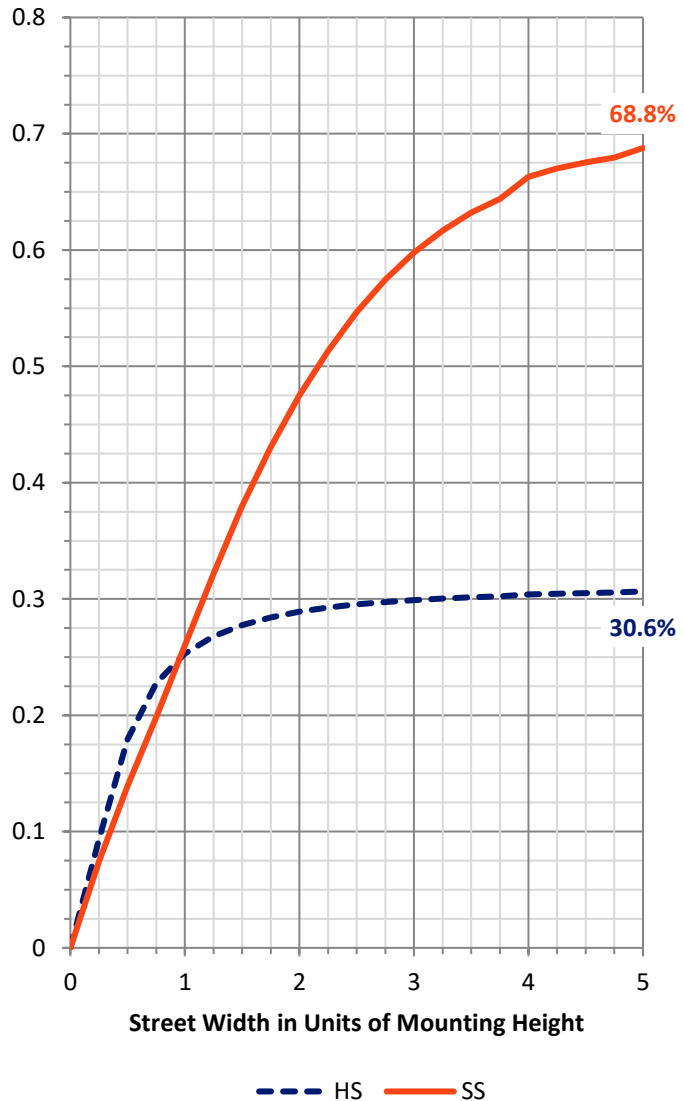
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16051.9	0.0	16051.9
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	35756.1	0.0	35756.1
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	51808.0	0.0	51808.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	591.4	1.1
10°-20°	1985.5	3.8
20°-30°	3625.3	7.0
30°-40°	5141.7	9.9
40°-50°	6942.8	13.4
50°-60°	9339.9	18.0
60°-70°	11854.5	22.9
70°-80°	10758.7	20.8
80°-90°	1568.3	3.0
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°	51808.0	100.0
0°-180°	51808.0	100.0

**Coefficient of Utilization**

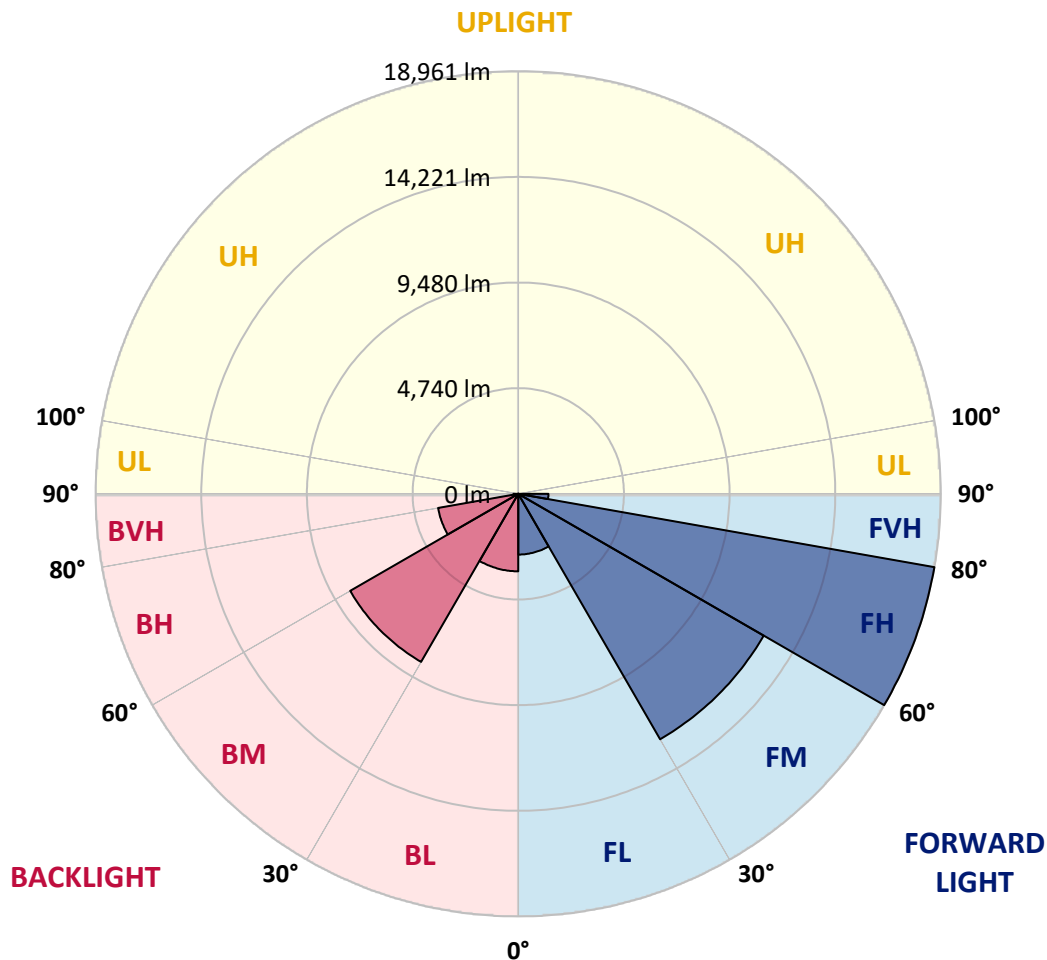


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2725.2	5.3			
FM (30°-60°)	12717.7	24.5			
FH (60°-80°)	18960.9	36.6			G5
FVH (80°-90°)	1352.4	2.6			G5
BL (0°-30°)	3477.0	6.7	B4/5000		
BM (30°-60°)	8706.7	16.8	B5		
BH (60°-80°)	3652.3	7.0	B4/5000		G4/5000
BVH (80°-90°)	215.9	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3
2.5°	5833.6	5866.6	5858.4	5847.4	5847.4	5850.1	5847.4	5866.6	5885.8	5905.1
5°	5894.1	5927.1	5910.6	5896.8	5885.8	5883.1	5874.9	5872.1	5883.1	5907.8
7.5°	6012.2	6045.2	6020.5	5995.8	5973.8	5962.8	5951.8	5935.3	5927.1	5940.8
10°	6144.1	6177.1	6146.9	6102.9	6067.2	6053.5	6042.5	6026.0	6015.0	6023.2
12.5°	6276.0	6309.0	6267.8	6207.3	6160.6	6152.4	6138.6	6133.1	6130.4	6127.7
15°	6399.7	6427.2	6375.0	6303.5	6254.1	6240.3	6226.6	6234.8	6248.6	6265.0
17.5°	6495.9	6523.3	6446.4	6353.0	6306.3	6300.8	6292.5	6320.0	6358.5	6399.7
20°	6583.8	6611.3	6512.3	6385.9	6331.0	6331.0	6333.7	6391.4	6446.4	6506.9
22.5°	6707.4	6729.4	6608.5	6435.4	6355.7	6361.2	6383.2	6440.9	6509.6	6592.0
25°	6891.5	6908.0	6759.7	6528.8	6438.2	6454.6	6473.9	6501.4	6567.3	6663.5
27.5°	7188.3	7202.1	7007.0	6693.7	6556.3	6583.8	6611.3	6592.0	6622.3	6704.7
30°	7606.0	7614.2	7366.9	6952.0	6756.9	6770.6	6776.1	6696.5	6638.7	6704.7
32.5°	8100.6	8097.8	7803.8	7265.3	6985.0	6971.2	6924.5	6767.9	6633.3	6691.0
35°	8867.2	8837.0	8457.8	7704.9	7243.3	7158.1	7048.2	6847.6	6660.7	6677.2
37.5°	10136.7	10043.3	9518.5	8424.8	7628.0	7410.9	7248.8	6976.7	6721.2	6671.7
40°	11568.3	11450.2	10873.1	9411.3	8205.0	7856.0	7595.0	7160.8	6820.1	6696.5
42.5°	13266.5	13098.9	12477.9	10573.6	8935.9	8430.3	8037.4	7394.4	6965.7	6776.1
45°	15352.1	15129.5	14250.2	11884.3	9856.5	9183.2	8658.4	7748.9	7188.3	6930.0
47.5°	17459.7	17514.6	16264.4	13384.7	10961.1	10112.0	9436.0	8281.9	7512.6	7177.3
50°	19699.2	19737.6	18267.6	15047.1	12214.1	11161.7	10309.8	8878.2	7963.2	7529.0
52.5°	21446.8	21452.3	20086.6	16786.5	13519.3	12315.8	11252.3	9559.7	8485.3	7996.2
55°	22540.4	22526.7	21361.6	18432.4	15019.6	13527.5	12296.5	10334.6	9122.8	8545.7
57.5°	23334.5	23293.3	22240.9	19847.6	16618.9	14959.2	13478.1	11213.9	9875.7	9199.7
60°	23636.8	23612.1	22837.2	21070.3	18300.5	16541.9	14841.0	12197.6	10730.3	9971.9
62.5°	23752.2	23798.9	23422.5	22254.6	20100.4	18295.0	16338.6	13373.7	11692.0	10845.7
65°	24158.9	24244.1	24167.1	23804.4	22133.7	20347.7	18325.3	14772.3	12741.7	11782.7
67.5°	24964.0	25049.2	25082.2	25659.2	24617.8	22905.9	20803.8	16514.4	13969.9	12755.4
70°	24944.8	24920.0	25502.6	27134.8	27728.3	26447.8	24145.2	18657.7	15434.5	13563.3
72.5°	22705.3	22507.4	23884.1	27118.3	30316.8	30146.4	28225.7	21422.1	16698.5	13662.2
75°	17033.8	16506.2	18938.0	24439.2	30748.2	32245.7	30819.6	23136.7	16399.0	12071.2
77.5°	7284.5	6754.2	9620.1	18091.7	27519.5	30143.7	28440.0	20185.5	13090.6	7982.4
80°	1907.0	1904.2	2907.2	8202.3	18715.4	22260.1	19528.8	13035.7	7479.6	2852.2
82.5°	788.6	769.4	1068.9	3190.2	9144.8	12491.6	10194.4	5814.4	2701.1	772.1
85°	294.0	291.3	519.3	1101.9	3225.9	5152.2	3728.8	1486.6	673.2	376.5
87.5°	82.4	79.7	112.7	381.9	785.9	1192.6	637.5	244.6	189.6	148.4
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°
5924.3	0°	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3
5935.3	2.5°	5943.5	5957.3	5982.0	6001.3	6026.0	6053.5	6091.9	6116.7	6141.4	6157.9
5949.0	5°	5968.3	5998.5	6061.7	6124.9	6199.1	6267.8	6347.5	6405.2	6451.9	6465.6
5998.5	7.5°	6023.2	6072.7	6179.9	6287.0	6405.2	6517.8	6633.3	6732.2	6811.9	6842.1
6086.4	10°	6119.4	6185.4	6336.5	6487.6	6644.2	6817.4	6965.7	7108.6	7221.3	7268.0
6190.9	12.5°	6240.3	6322.7	6520.6	6729.4	6946.5	7185.6	7377.9	7553.8	7693.9	7757.1
6336.5	15°	6396.9	6504.1	6756.9	7037.2	7355.9	7688.4	7933.0	8128.1	8284.7	8361.6
6487.6	17.5°	6567.3	6710.2	7028.9	7452.1	7908.2	8345.1	8630.9	8773.8	8935.9	9010.1
6627.8	20°	6732.2	6908.0	7364.2	7979.7	8587.0	9051.3	9282.2	9320.6	9331.6	9339.9
6759.7	22.5°	6902.5	7138.9	7784.6	8644.7	9295.9	9617.4	9650.4	9485.5	9254.7	9147.5
6888.8	25°	7089.4	7402.6	8334.2	9378.3	9905.9	9944.4	9691.6	9290.4	8853.5	8652.9
6993.2	27.5°	7270.7	7707.7	8993.6	10079.0	10345.6	10007.6	9463.5	8894.7	8367.1	8155.5
7067.4	30°	7452.1	8056.6	9721.8	10691.8	10546.2	9851.0	9103.5	8468.8	7938.5	7715.9
7133.4	32.5°	7636.2	8463.3	10559.9	11134.2	10510.4	9518.5	8655.7	7990.7	7523.5	7290.0
7191.1	35°	7845.0	8963.4	11354.0	11376.0	10271.4	9029.4	8064.9	7419.1	7012.5	6825.6
7259.8	37.5°	8117.1	9598.2	12054.7	11436.5	9853.7	8312.2	7331.2	6743.2	6407.9	6322.7
7361.4	40°	8455.1	10362.1	12590.5	11340.3	9235.4	7441.1	6528.8	6059.0	5869.4	5888.6
7498.8	42.5°	8894.7	11216.6	12967.0	11093.0	8375.4	6542.6	5825.4	5616.6	5707.2	5784.2
7704.9	45°	9466.3	12104.2	13200.6	10672.6	7402.6	5781.4	5410.5	5459.9	5528.6	5536.9
8037.4	47.5°	10197.2	13002.7	13354.4	10037.8	6410.7	5245.6	5146.7	5157.7	5143.9	5086.2
8534.7	50°	11109.5	13876.5	13491.8	9197.0	5567.1	4910.4	4778.5	4740.0	4550.4	4363.5
9197.0	52.5°	12148.1	14678.9	13549.5	8152.8	4910.4	4630.1	4415.8	4173.9	3819.5	3761.8
10029.6	55°	13302.2	15420.8	13401.1	6869.6	4358.1	4270.1	3945.9	3654.6	3616.1	3566.7
11125.9	57.5°	14681.6	16220.4	13098.9	5437.9	3792.0	3849.7	3533.7	3566.7	3498.0	3421.0
12535.6	60°	16190.2	17047.5	12568.6	4132.7	3206.7	3324.9	3426.5	3423.8	3404.6	3341.4
14022.2	62.5°	17547.6	17591.6	11524.4	3165.5	2692.9	2918.2	3195.7	3193.0	3176.5	3140.8
15574.7	65°	18355.5	17509.2	9782.3	2492.3	2269.7	2583.0	2882.5	2904.5	2907.2	2904.5
16742.5	67.5°	18212.6	16544.7	7391.7	1983.9	1920.7	2242.2	2572.0	2602.2	2624.2	2629.7
16890.9	70°	16596.9	14426.1	4819.7	1582.7	1610.2	1942.7	2277.9	2308.2	2327.4	2349.4
14656.9	72.5°	12936.8	10606.6	2758.8	1280.5	1338.2	1684.4	1986.7	2022.4	2033.4	2074.6
10199.9	75°	7883.5	6237.6	1489.3	1008.5	1099.1	1439.9	1698.2	1739.4	1758.6	1808.1
5009.3	77.5°	3748.0	2701.1	849.1	785.9	884.8	1176.1	1434.4	1481.1	1428.9	1456.3
1382.2	80°	1266.7	1003.0	535.8	599.0	676.0	917.8	1148.6	1195.3	1085.4	1079.9
458.9	82.5°	442.4	406.7	340.7	398.4	436.9	656.7	868.3	928.8	807.9	805.1
206.1	85°	173.1	164.9	189.6	217.1	261.0	403.9	571.5	601.8	497.4	401.2
60.5	87.5°	35.7	38.5	46.7	49.5	79.7	140.1	206.1	252.8	200.6	170.4
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°
5924.3
6146.9
6471.1
6844.8
7270.7
7757.1
8356.1
9007.4
9361.8
9177.7
8683.1
8180.3
7740.6
7320.2
6866.8
6383.2
5954.5
5855.6
5591.8
5130.2
4388.3
3781.0
3574.9
3407.3
3319.4
3127.0
2904.5
2635.2
2360.4
2091.1
1813.6
1434.4
1068.9
766.6
395.7
156.6
0.0

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