

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: P850283

Luminaire Tested: **GLAN-SB7D-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850283
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-SB7D-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56096 lumens
Efficiency: N/A
Efficacy: 109.4 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

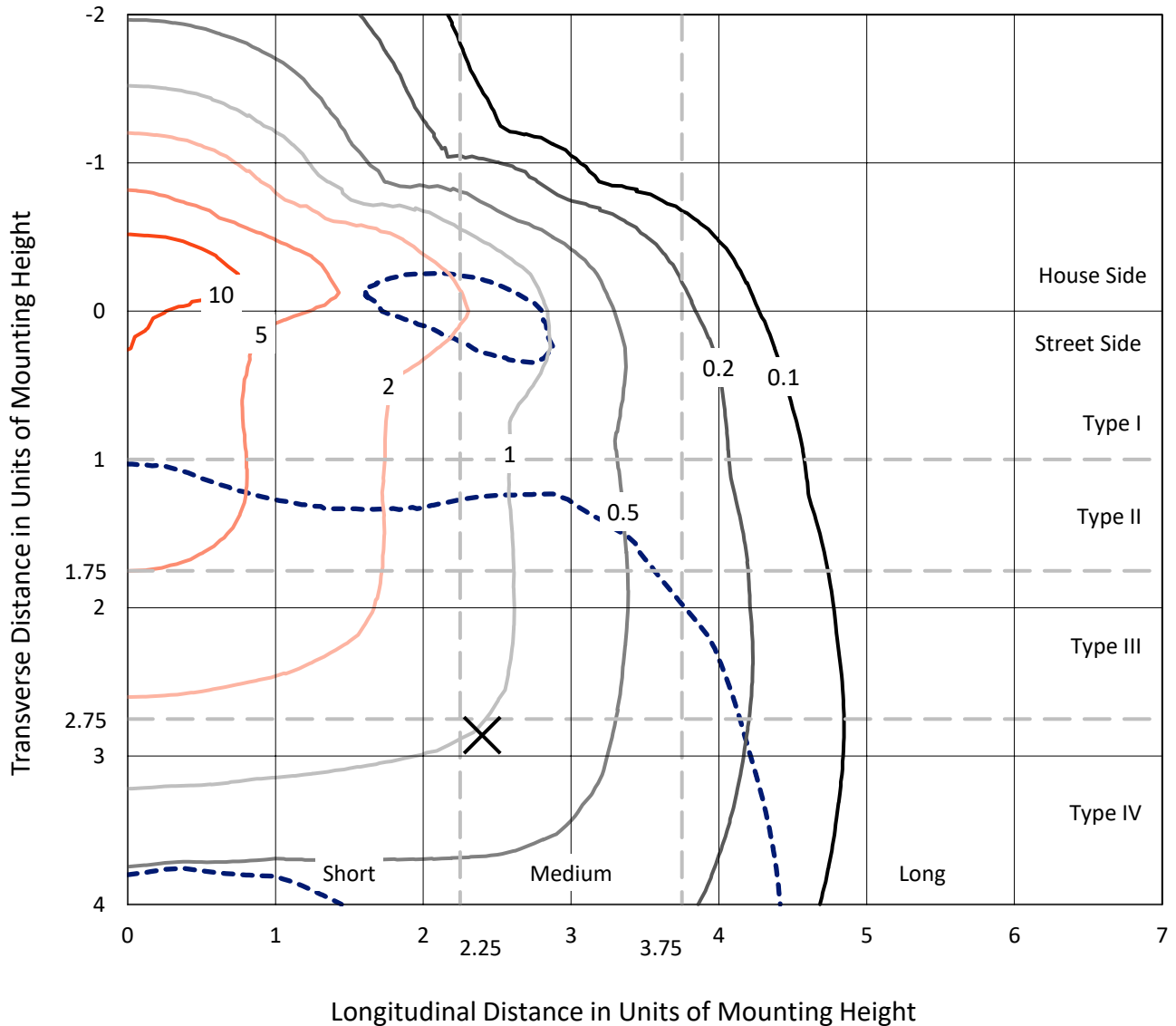
Input Watts (W): 512.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

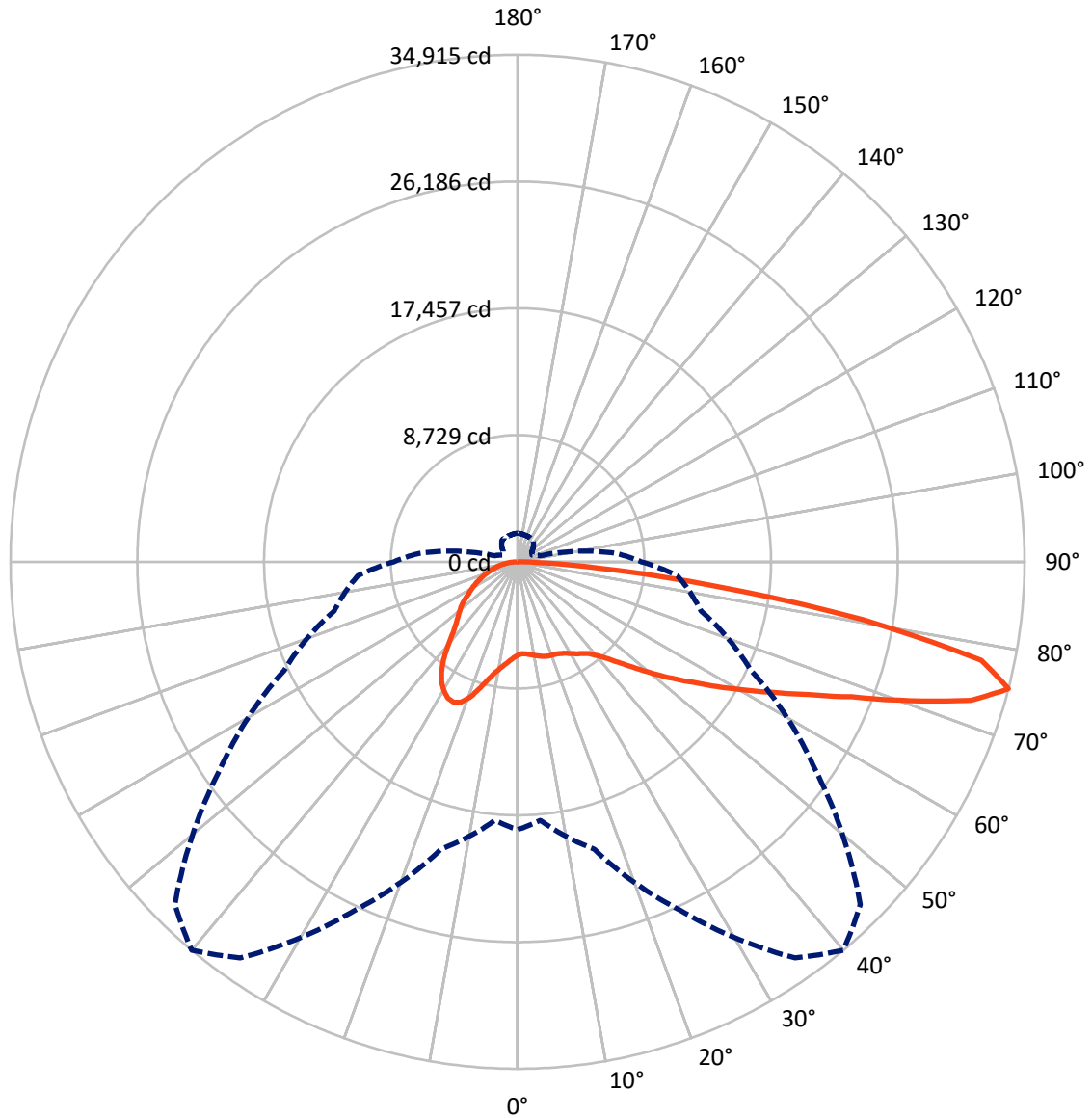
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 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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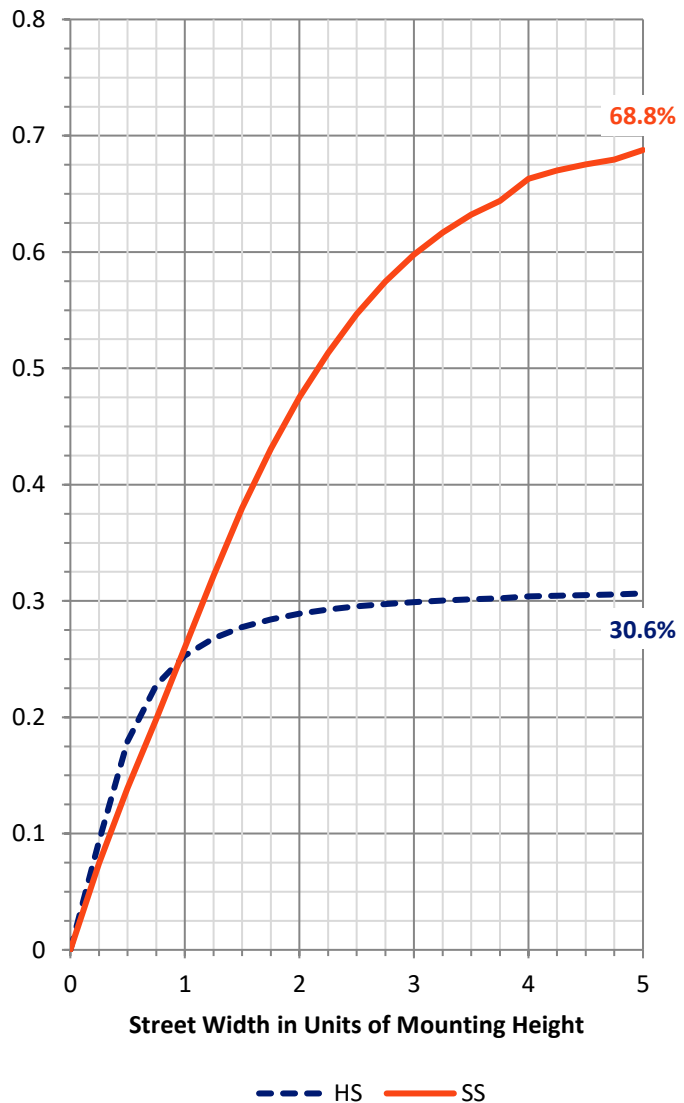
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17380.4	0.0	17380.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	38715.6	0.0	38715.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	56096.0	0.0	56096.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.3	1.1
10°-20°	2149.8	3.8
20°-30°	3925.4	7.0
30°-40°	5567.2	9.9
40°-50°	7517.4	13.4
50°-60°	10113.0	18.0
60°-70°	12835.7	22.9
70°-80°	11649.2	20.8
80°-90°	1698.1	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°	56096.0	100.0
0°-180°	56096.0	100.0

Coefficient of Utilization

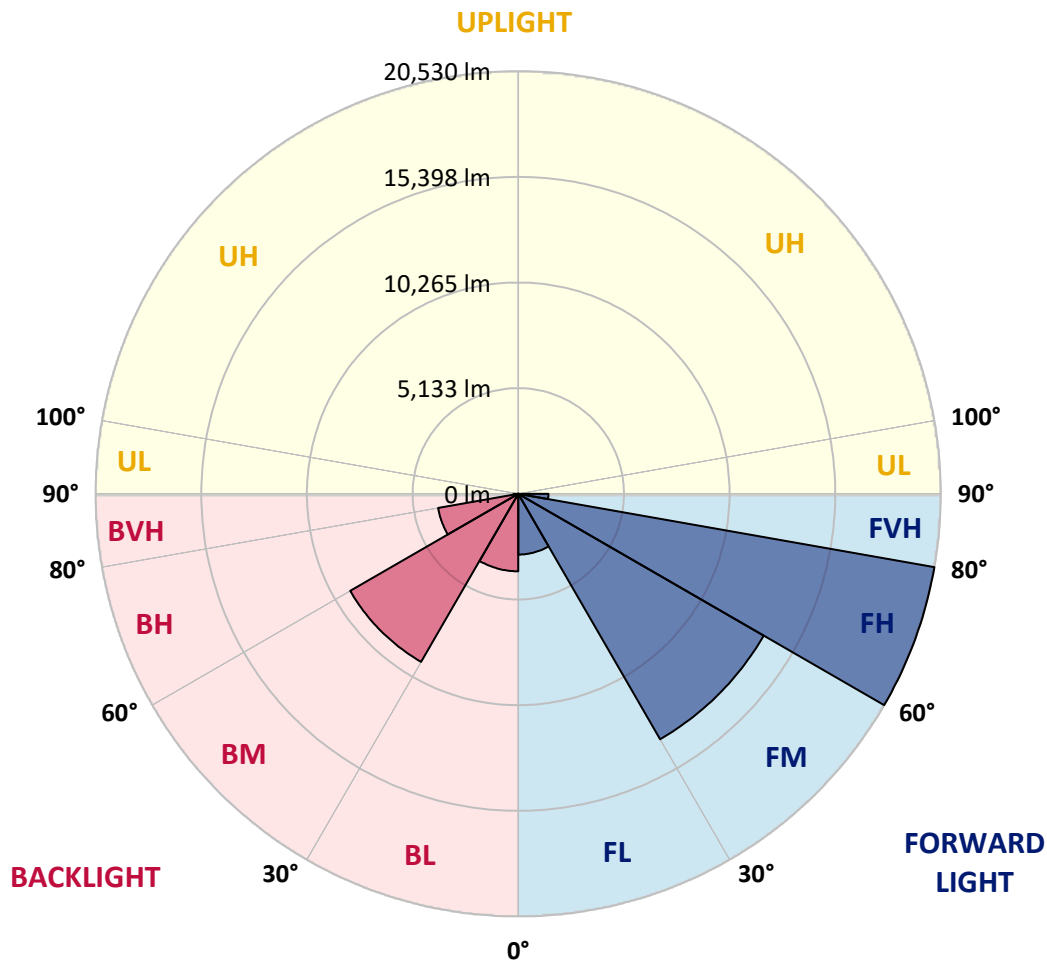


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2950.7	5.3			
FM (30°-60°)	13770.3	24.5			
FH (60°-80°)	20530.3	36.6			G5
FVH (80°-90°)	1464.3	2.6			G5
BL (0°-30°)	3764.8	6.7	B4/5000		
BM (30°-60°)	9427.3	16.8	B5		
BH (60°-80°)	3954.6	7.0	B4/5000		G4/5000
BVH (80°-90°)	233.8	0.4			G3/500
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°	6414.7	6414.7	6414.7	6414.7	6414.7	6414.7	6414.7	6414.7	6414.7	6414.7
2.5°	6316.5	6352.2	6343.2	6331.3	6331.3	6334.3	6331.3	6352.2	6373.0	6393.8
5°	6381.9	6417.6	6399.8	6384.9	6373.0	6370.0	6361.1	6358.1	6370.0	6396.8
7.5°	6509.9	6545.6	6518.8	6492.0	6468.2	6456.3	6444.4	6426.6	6417.6	6432.5
10°	6652.7	6688.4	6655.6	6608.0	6569.4	6554.5	6542.6	6524.7	6512.8	6521.8
12.5°	6795.5	6831.2	6786.6	6721.1	6670.5	6661.6	6646.7	6640.8	6637.8	6634.8
15°	6929.4	6959.1	6902.6	6825.2	6771.7	6756.8	6741.9	6750.9	6765.7	6783.6
17.5°	7033.5	7063.3	6980.0	6878.8	6828.2	6822.3	6813.3	6843.1	6884.7	6929.4
20°	7128.7	7158.5	7051.4	6914.5	6855.0	6855.0	6858.0	6920.4	6980.0	7045.4
22.5°	7262.6	7286.4	7155.5	6968.1	6881.8	6887.7	6911.5	6974.0	7048.4	7137.6
25°	7461.9	7479.8	7319.1	7069.2	6971.0	6988.9	7009.7	7039.5	7110.9	7215.0
27.5°	7783.3	7798.1	7586.9	7247.7	7099.0	7128.7	7158.5	7137.6	7170.4	7259.6
30°	8235.5	8244.4	7976.7	7527.4	7316.2	7331.0	7337.0	7250.7	7188.2	7259.6
32.5°	8771.1	8768.1	8449.7	7866.6	7563.1	7548.2	7497.6	7328.1	7182.3	7244.7
35°	9601.2	9568.4	9157.8	8342.6	7842.8	7750.5	7631.5	7414.3	7212.0	7229.9
37.5°	10975.7	10874.6	10306.3	9122.1	8259.3	8024.3	7848.7	7554.2	7277.5	7223.9
40°	12525.8	12397.9	11773.1	10190.3	8884.1	8506.3	8223.6	7753.5	7384.6	7250.7
42.5°	14364.5	14183.0	13510.6	11448.8	9675.5	9128.1	8702.6	8006.4	7542.3	7337.0
45°	16622.8	16381.8	15429.7	12868.0	10672.2	9943.3	9375.0	8390.2	7783.3	7503.6
47.5°	18904.8	18964.3	17610.5	14492.5	11868.3	10948.9	10217.0	8967.4	8134.4	7771.4
50°	21329.6	21371.3	19779.5	16292.5	13225.0	12085.5	11163.2	9613.1	8622.3	8152.2
52.5°	23221.9	23227.8	21749.1	18175.8	14638.3	13335.1	12183.7	10350.9	9187.6	8658.0
55°	24406.0	24391.2	23129.6	19958.0	16262.8	14647.2	13314.3	11189.9	9877.9	9253.0
57.5°	25265.9	25221.2	24081.7	21490.3	17994.3	16197.3	14593.6	12142.0	10693.1	9961.2
60°	25593.2	25566.4	24727.4	22814.3	19815.2	17911.0	16069.4	13207.2	11618.4	10797.2
62.5°	25718.1	25768.7	25361.1	24096.6	21764.0	19809.3	17690.9	14480.6	12659.7	11743.3
65°	26158.5	26250.7	26167.4	25774.6	23965.7	22031.8	19842.0	15995.0	13796.3	12757.9
67.5°	27030.2	27122.4	27158.1	27782.9	26655.3	24801.7	22525.7	17881.3	15126.2	13811.1
70°	27009.4	26982.6	27613.4	29380.7	30023.3	28636.8	26143.6	20202.0	16712.0	14685.9
72.5°	24584.5	24370.3	25860.9	29362.8	32826.0	32641.5	30561.8	23195.1	18080.6	14793.0
75°	18443.6	17872.4	20505.5	26461.9	33293.1	34914.6	33370.5	25051.7	17756.3	13070.3
77.5°	7887.4	7313.2	10416.4	19589.1	29797.2	32638.6	30793.9	21856.2	14174.1	8643.1
80°	2064.8	2061.9	3147.8	8881.1	20264.5	24102.6	21145.1	14114.6	8098.6	3088.3
82.5°	853.9	833.1	1157.4	3454.3	9901.7	13525.5	11038.2	6295.6	2924.7	836.0
85°	318.4	315.4	562.3	1193.1	3493.0	5578.6	4037.4	1609.6	728.9	407.6
87.5°	89.3	86.3	122.0	413.6	850.9	1291.3	690.3	264.8	205.3	160.7
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°
6414.7	0°	6414.7	6414.7	6414.7	6414.7	6414.7	6414.7	6414.7	6414.7	6414.7	6414.7
6426.6	2.5°	6435.5	6450.4	6477.1	6498.0	6524.7	6554.5	6596.1	6622.9	6649.7	6667.5
6441.4	5°	6462.3	6495.0	6563.4	6631.8	6712.2	6786.6	6872.8	6935.3	6985.9	7000.8
6495.0	7.5°	6521.8	6575.3	6691.4	6807.4	6935.3	7057.3	7182.3	7289.4	7375.7	7408.4
6590.2	10°	6625.9	6697.3	6860.9	7024.6	7194.2	7381.6	7542.3	7697.0	7819.0	7869.6
6703.3	12.5°	6756.8	6846.1	7060.3	7286.4	7521.4	7780.3	7988.6	8179.0	8330.7	8399.1
6860.9	15°	6926.4	7042.4	7316.2	7619.6	7964.8	8324.8	8589.6	8800.8	8970.4	9053.7
7024.6	17.5°	7110.9	7265.6	7610.7	8068.9	8562.8	9035.9	9345.3	9500.0	9675.5	9755.9
7176.3	20°	7289.4	7479.8	7973.7	8640.1	9297.7	9800.5	10050.4	10092.1	10104.0	10112.9
7319.1	22.5°	7473.8	7729.7	8428.9	9360.2	10065.3	10413.4	10449.1	10270.6	10020.7	9904.6
7459.0	25°	7676.2	8015.3	9024.0	10154.5	10725.8	10767.5	10493.7	10059.3	9586.3	9369.1
7572.0	27.5°	7872.5	8345.6	9738.0	10913.2	11201.8	10835.9	10246.8	9630.9	9059.7	8830.6
7652.4	30°	8068.9	8723.5	10526.5	11576.7	11419.0	10666.3	9857.0	9169.7	8595.5	8354.5
7723.8	32.5°	8268.2	9163.8	11433.9	12055.7	11380.4	10306.3	9372.1	8652.0	8146.3	7893.4
7786.2	35°	8494.4	9705.3	12293.8	12317.6	11121.5	9776.7	8732.4	8033.2	7592.9	7390.5
7860.6	37.5°	8788.9	10392.6	13052.4	12383.0	10669.3	9000.1	7938.0	7301.3	6938.3	6846.1
7970.7	40°	9154.9	11219.7	13632.6	12278.9	9999.8	8057.0	7069.2	6560.4	6355.1	6376.0
8119.5	42.5°	9630.9	12145.0	14040.2	12011.1	9068.6	7084.1	6307.5	6081.4	6179.6	6262.9
8342.6	45°	10249.8	13106.0	14293.1	11555.9	8015.3	6259.9	5858.3	5911.8	5986.2	5995.1
8702.6	47.5°	11041.2	14078.9	14459.7	10868.6	6941.3	5679.8	5572.7	5584.6	5569.7	5507.2
9241.1	50°	12029.0	15025.0	14608.5	9958.2	6027.9	5316.8	5174.0	5132.3	4927.0	4724.7
9958.2	52.5°	13153.6	15893.8	14671.0	8827.6	5316.8	5013.3	4781.2	4519.4	4135.6	4073.1
10859.7	55°	14403.2	16697.1	14510.3	7438.1	4718.8	4623.5	4272.5	3957.1	3915.4	3861.9
12046.8	57.5°	15896.8	17562.9	14183.0	5888.0	4105.9	4168.3	3826.2	3861.9	3787.5	3704.2
13573.1	60°	17530.2	18458.5	13608.8	4474.8	3472.1	3600.1	3710.1	3707.2	3686.3	3617.9
15182.7	62.5°	19000.0	19047.6	12478.2	3427.5	2915.8	3159.7	3460.2	3457.2	3439.4	3400.7
16863.8	65°	19874.7	18958.3	10591.9	2698.6	2457.6	2796.7	3121.0	3144.8	3147.8	3144.8
18128.2	67.5°	19720.0	17914.0	8003.4	2148.1	2079.7	2427.8	2784.8	2817.6	2841.4	2847.3
18288.9	70°	17970.5	15620.1	5218.6	1713.7	1743.5	2103.5	2466.5	2499.2	2520.0	2543.8
15870.0	72.5°	14007.5	11484.5	2987.2	1386.5	1448.9	1823.8	2151.1	2189.8	2201.7	2246.3
11044.2	75°	8536.0	6753.8	1612.6	1091.9	1190.1	1559.0	1838.7	1883.3	1904.2	1957.7
5423.9	77.5°	4058.2	2924.7	919.4	850.9	958.0	1273.4	1553.1	1603.7	1547.1	1576.9
1496.6	80°	1371.6	1086.0	580.2	648.6	731.9	993.7	1243.7	1294.2	1175.2	1169.3
496.9	82.5°	479.0	440.3	368.9	431.4	473.1	711.1	940.2	1005.6	874.7	871.8
223.1	85°	187.4	178.5	205.3	235.0	282.6	437.4	618.9	651.6	538.5	434.4
65.5	87.5°	38.7	41.7	50.6	53.6	86.3	151.7	223.1	273.7	217.2	184.5
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°
6414.7
6655.6
7006.7
7411.4
7872.5
8399.1
9047.8
9752.9
10136.7
9937.4
9401.8
8857.3
8381.3
7926.1
7435.2
6911.5
6447.4
6340.3
6054.6
5554.8
4751.5
4094.0
3870.8
3689.3
3594.1
3385.8
3144.8
2853.3
2555.7
2264.2
1963.7
1553.1
1157.4
830.1
428.4
169.6
0.0

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