

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: P853227

Luminaire Tested: **GLAN-SB9C-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853227
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9C-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 57890 lumens
Efficiency: N/A
Efficacy: 128.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

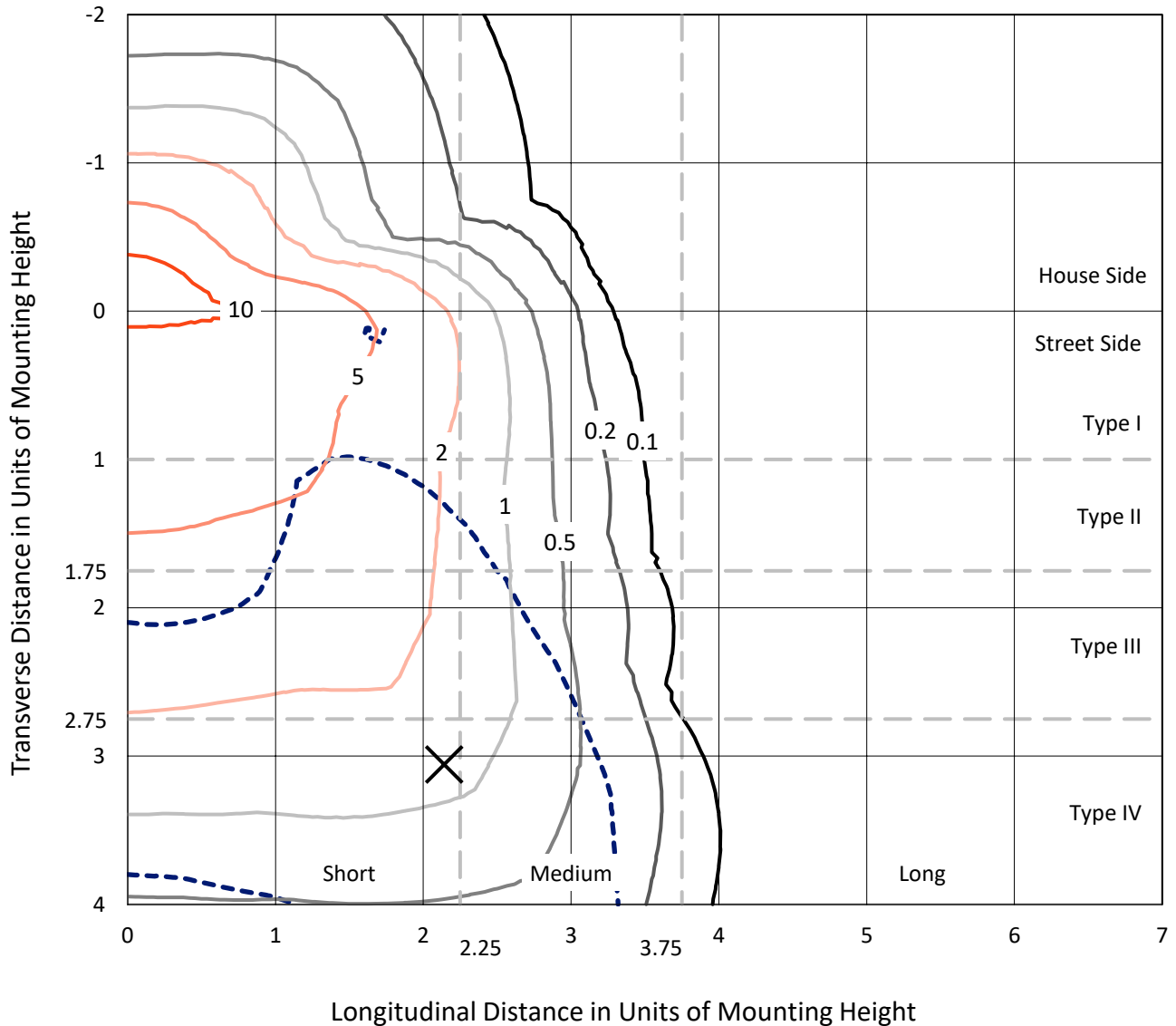
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

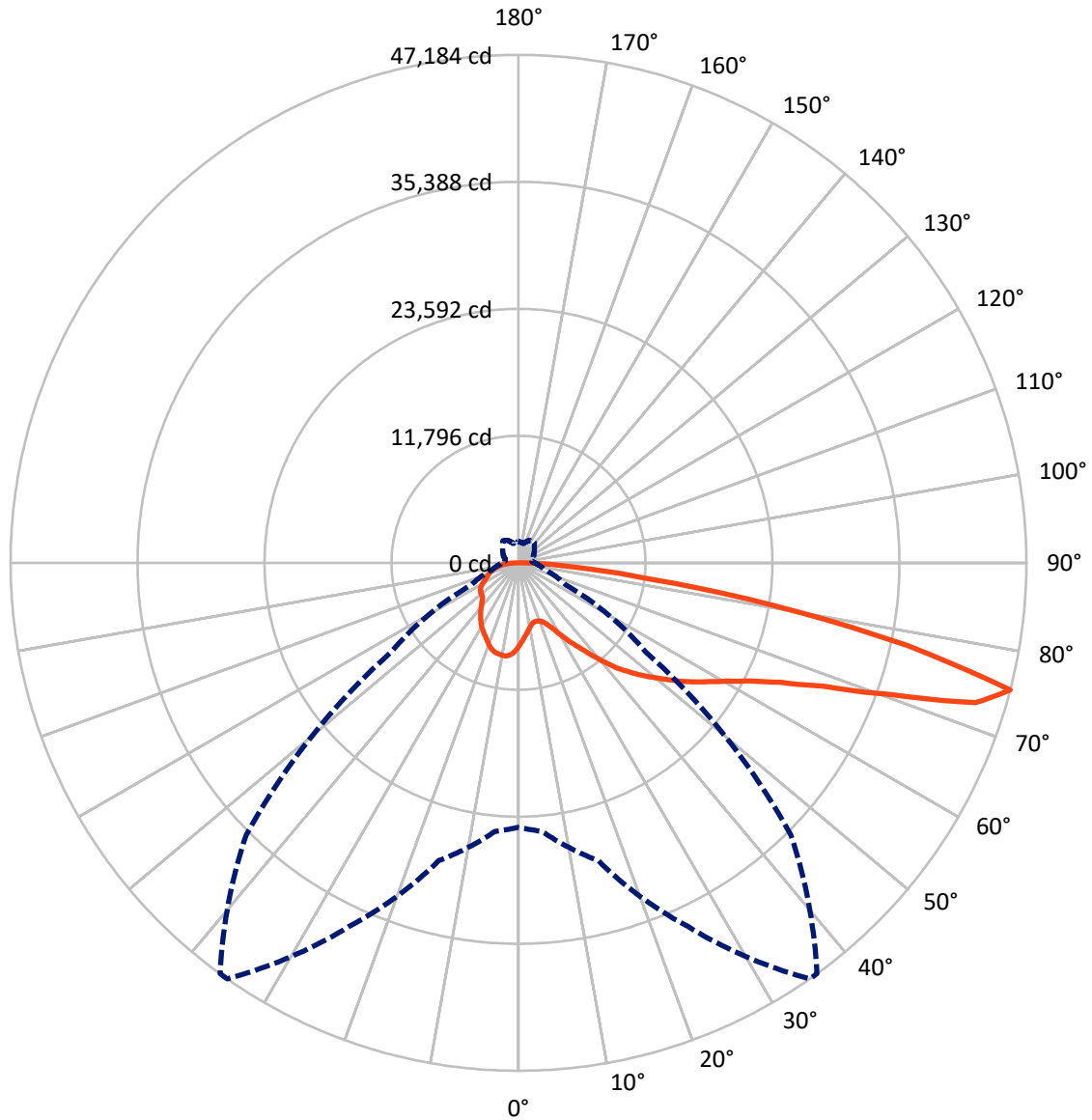
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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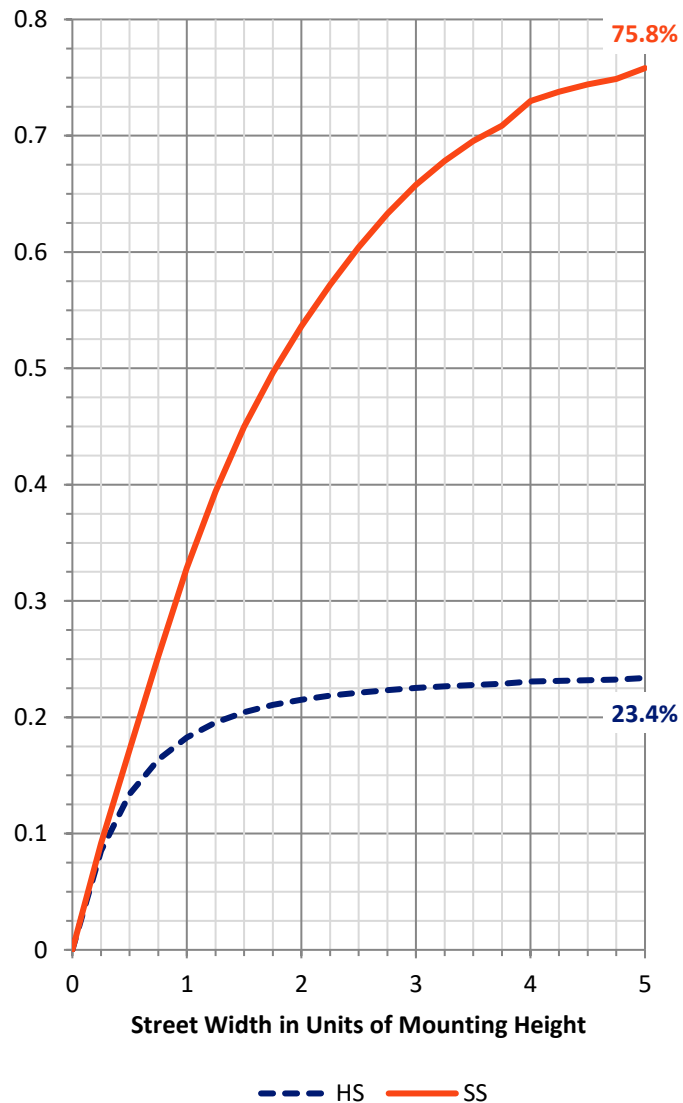
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13776.4	0.0	13776.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	44113.6	0.0	44113.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	57890.0	0.0	57890.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	730.4	1.3
10°-20°	2106.7	3.6
20°-30°	3537.8	6.1
30°-40°	5498.2	9.5
40°-50°	8160.8	14.1
50°-60°	11266.4	19.5
60°-70°	13668.8	23.6
70°-80°	11296.2	19.5
80°-90°	1624.7	2.8
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°	57890.0	100.0
0°-180°	57890.0	100.0

Coefficient of Utilization

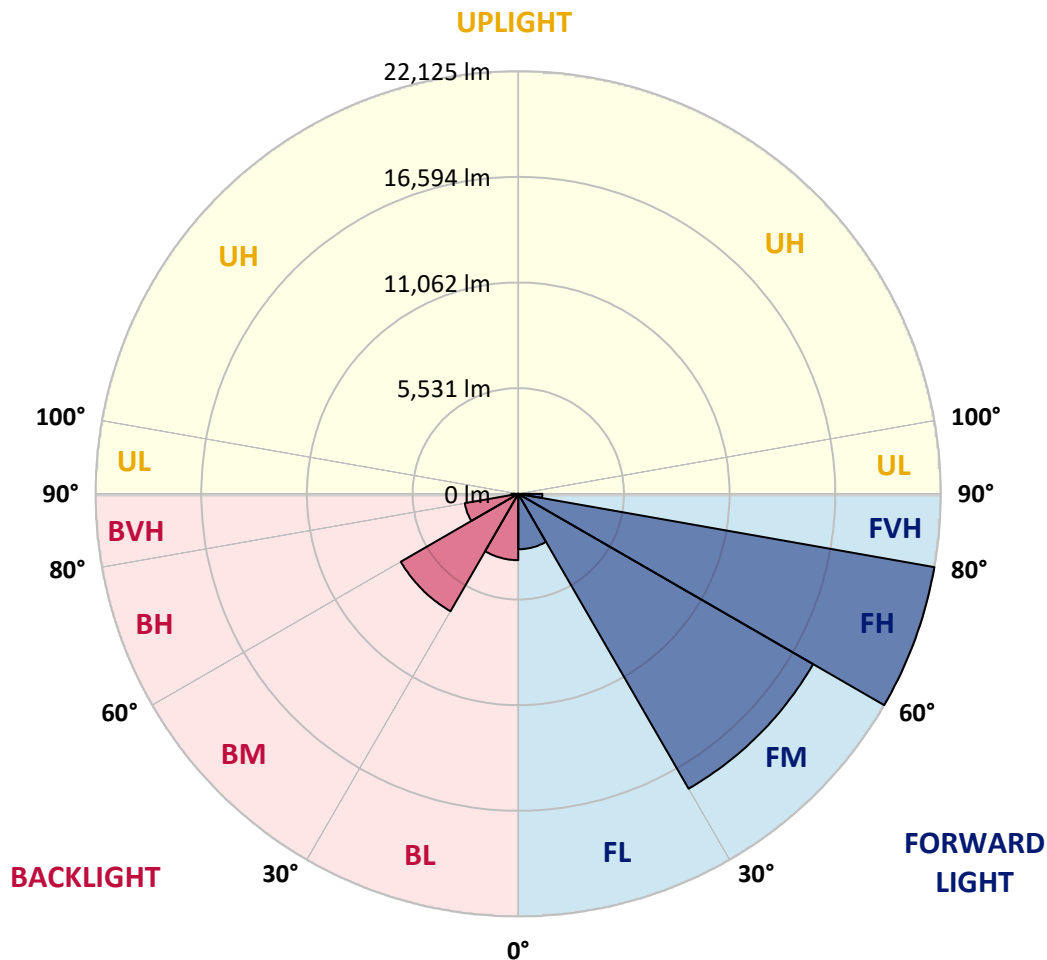


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2903.1	5.0			
FM (30°-60°)	17827.0	30.8			
FH (60°-80°)	22124.7	38.2			G5
FVH (80°-90°)	1258.9	2.2			G5
BL (0°-30°)	3471.8	6.0	B4/5000		
BM (30°-60°)	7098.4	12.3	B4/8500		
BH (60°-80°)	2840.3	4.9	B4/5000		G4/5000
BVH (80°-90°)	365.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	7714.2	7714.2	7714.2	7714.2	7714.2	7714.2	7714.2	7714.2	7714.2	7714.2
2.5°	7113.4	7157.2	7176.0	7166.6	7213.5	7207.3	7273.0	7354.3	7467.0	7576.5
5°	6565.7	6612.6	6653.3	6690.9	6781.6	6809.8	6913.1	7069.6	7276.1	7485.8
7.5°	6055.6	6096.3	6158.9	6227.7	6381.1	6409.2	6581.4	6825.5	7113.4	7420.1
10°	5639.4	5680.1	5745.8	5824.0	6014.9	6049.3	6268.4	6593.9	6969.4	7357.5
12.5°	5461.0	5473.5	5511.1	5589.3	5755.2	5777.1	6018.0	6390.5	6828.6	7310.5
15°	5451.6	5476.6	5479.8	5520.4	5658.1	5667.5	5889.7	6259.0	6741.0	7301.1
17.5°	5545.5	5564.3	5536.1	5561.1	5676.9	5692.6	5867.8	6196.4	6712.8	7341.8
20°	5795.8	5811.5	5727.0	5692.6	5777.1	5789.6	5961.7	6237.1	6741.0	7426.3
22.5°	6327.9	6337.3	6130.7	5989.9	5996.1	6002.4	6152.6	6403.0	6850.5	7579.7
25°	7157.2	7150.9	6822.3	6550.1	6393.6	6359.2	6459.3	6672.1	7035.1	7783.1
27.5°	8127.3	8080.4	7751.8	7345.0	7003.8	6953.8	6931.9	7022.6	7298.0	8052.2
30°	9222.7	9178.8	8825.2	8293.2	7820.6	7739.3	7532.7	7485.8	7689.2	8418.4
32.5°	10424.4	10396.2	9973.7	9329.1	8696.9	8603.0	8255.6	8130.5	8290.1	8972.3
35°	11432.1	11407.1	11056.5	10393.1	9620.1	9504.3	9150.7	9009.8	9091.2	9682.7
37.5°	12342.8	12330.3	12029.8	11507.2	10709.2	10568.3	10170.9	10124.0	10108.3	10618.4
40°	13187.7	13156.4	12843.5	12568.1	11976.6	11848.3	11497.8	11457.1	11338.2	11770.1
42.5°	14123.5	14042.1	13588.3	13460.0	13300.4	13194.0	12984.3	12990.6	12727.7	13068.8
45°	14887.1	14840.1	14373.8	14298.7	14470.8	14427.0	14608.5	14655.5	14145.4	14430.2
47.5°	15707.0	15663.2	15268.9	15215.7	15682.0	15694.5	16336.0	16351.7	15528.6	15844.7
50°	16717.8	16655.2	16264.0	16329.8	16852.4	16899.3	18072.9	17966.5	16802.3	17281.1
52.5°	17384.4	17422.0	17337.5	17443.9	18157.4	18201.2	19781.6	19509.3	18063.5	18698.8
55°	17875.7	17950.9	18213.7	18457.8	19534.4	19578.2	21393.3	20977.1	19108.8	20013.2
57.5°	18507.9	18401.5	18892.8	19368.5	20842.5	20958.3	22961.2	22391.6	20035.1	21146.1
60°	19415.5	19340.4	19722.2	20426.3	22307.1	22491.8	24619.8	23665.3	20714.2	22044.2
62.5°	21255.6	21067.8	21127.3	21750.1	24153.5	24397.6	26491.3	24776.3	21052.2	22394.8
65°	24006.4	23684.1	23383.7	23815.5	26754.2	26995.1	28603.7	25649.4	20927.0	21715.6
67.5°	27470.8	27151.6	26782.3	27189.2	30584.7	30775.6	31210.6	26140.8	19941.2	19099.4
70°	30328.0	30209.1	30650.4	32324.7	36702.9	36709.1	34552.9	25733.9	17240.5	13541.4
72.5°	29949.4	29877.4	32202.6	37378.8	44414.0	44248.1	37716.8	22654.5	11613.6	6108.8
75°	24569.8	25036.1	28638.1	37288.1	47183.6	47161.7	35779.7	14402.0	4803.8	2531.8
77.5°	13175.2	13913.8	18592.4	27530.3	36834.3	37388.2	25155.0	5038.5	2062.3	1621.1
80°	4296.8	4941.5	7410.7	14017.1	23934.5	23831.2	10781.2	1977.8	1411.4	1148.5
82.5°	1824.5	1899.6	3311.0	6618.9	12283.3	12092.4	3433.1	1136.0	992.1	785.5
85°	713.5	798.0	1461.5	3060.7	5320.2	5204.4	1239.3	563.3	635.3	513.2
87.5°	234.7	284.8	522.6	1048.4	1655.5	1596.0	303.6	194.0	275.4	234.7
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°
7714.2	0°	7714.2	7714.2	7714.2	7714.2	7714.2	7714.2	7714.2	7714.2	7714.2	7714.2
7736.1	2.5°	7780.0	7830.0	7889.5	7977.1	8052.2	8114.8	8180.5	8221.2	8236.9	8283.8
7748.7	5°	7836.3	7945.8	8092.9	8236.9	8377.7	8462.2	8537.3	8574.8	8609.3	8634.3
7783.1	7.5°	7930.2	8071.0	8302.6	8490.4	8609.3	8678.1	8728.2	8715.7	8728.2	8734.5
7820.6	10°	8011.5	8208.7	8484.1	8662.5	8753.2	8756.4	8743.8	8700.0	8678.1	8681.3
7877.0	12.5°	8108.6	8327.6	8624.9	8775.1	8800.2	8731.3	8678.1	8603.0	8574.8	8562.3
7961.5	15°	8240.0	8490.4	8778.3	8834.6	8772.0	8684.4	8593.6	8471.6	8409.0	8358.9
8105.4	17.5°	8399.6	8675.0	8897.2	8856.5	8721.9	8578.0	8430.9	8246.3	8117.9	8064.7
8302.6	20°	8621.8	8869.0	8987.9	8809.6	8606.1	8387.1	8136.7	7911.4	7792.5	7739.3
8552.9	22.5°	8890.9	9128.8	9075.6	8728.2	8440.3	8089.8	7776.8	7611.0	7551.5	7513.9
8875.3	25°	9213.3	9416.7	9138.2	8609.3	8168.0	7695.5	7454.5	7401.3	7373.1	7345.0
9269.6	27.5°	9632.6	9742.2	9185.1	8434.0	7742.4	7276.1	7188.5	7197.9	7188.5	7141.5
9817.3	30°	10186.5	10164.6	9228.9	8149.2	7254.2	6897.4	6903.7	6944.4	6950.6	6919.3
10580.9	32.5°	10915.7	10693.5	9250.8	7780.0	6787.9	6565.7	6572.0	6615.8	6647.1	6593.9
11579.2	35°	11798.2	11310.0	9216.4	7316.8	6428.0	6249.6	6202.7	6215.2	6224.6	6174.5
12790.3	37.5°	12827.8	12001.7	9063.1	6803.5	6130.7	5939.8	5839.7	5755.2	5705.1	5658.1
14161.0	40°	13957.6	12755.9	8781.4	6302.8	5799.0	5611.2	5461.0	5301.4	5132.4	5069.8
15613.1	42.5°	15140.6	13532.0	8440.3	5824.0	5417.2	5263.8	5104.2	4872.6	4619.2	4490.8
17121.5	45°	16367.3	14326.9	8105.4	5351.5	5026.0	4960.3	4775.6	4497.1	4221.7	4059.0
18633.1	47.5°	17569.1	15078.0	7614.1	4875.8	4659.8	4731.8	4587.9	4331.2	4024.5	3767.9
20132.1	50°	18717.6	15782.1	6809.8	4393.8	4362.5	4663.0	4525.3	4156.0	3805.5	3476.9
21603.0	52.5°	19856.7	16351.7	5780.2	3955.7	4202.9	4644.2	4443.9	4037.1	3608.3	3264.1
22986.2	55°	20823.7	16645.8	4788.1	3580.2	3971.3	4484.6	4346.9	3896.2	3329.8	2963.6
23934.5	57.5°	21374.5	16408.0	3962.0	3210.9	3652.1	4221.7	4181.0	3595.8	2998.1	2716.4
24119.1	60°	21136.7	15444.1	3286.0	2888.5	3348.6	3936.9	3893.1	3298.5	2744.6	2478.6
23130.2	62.5°	19825.4	13607.1	2750.8	2606.9	3073.2	3645.9	3605.2	3070.0	2550.5	2293.9
20504.5	65°	17184.1	11069.1	2334.6	2372.2	2794.6	3295.4	3354.8	2879.1	2397.2	2146.8
15863.5	67.5°	13106.4	8017.8	2009.1	2168.7	2522.4	2951.1	3123.2	2741.4	2268.9	2031.0
9178.8	70°	7470.1	4553.4	1733.7	1971.6	2281.4	2631.9	2944.9	2631.9	2131.2	1934.0
3439.3	72.5°	2832.2	2090.5	1499.0	1774.4	2049.8	2362.8	2747.7	2459.8	1971.6	1824.5
1777.6	75°	1511.6	1273.7	1261.2	1542.8	1783.8	2099.9	2500.5	2290.8	1852.7	1927.8
1229.9	77.5°	1029.6	901.3	1054.6	1320.7	1492.8	1808.9	2237.6	2034.2	1605.4	1599.2
851.2	80°	713.5	638.4	857.5	1064.0	1154.8	1520.9	1952.8	1746.3	1308.1	1220.5
525.8	82.5°	428.7	416.2	641.5	794.9	816.8	1173.6	1618.0	1464.6	1070.3	932.6
313.0	85°	234.7	247.2	410.0	466.3	475.7	819.9	1267.5	1132.9	823.1	691.6
112.7	87.5°	65.7	84.5	150.2	184.6	228.5	425.6	754.2	672.8	413.1	287.9
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°
7714.2
8280.7
8640.6
8743.8
8687.5
8556.1
8374.6
8067.9
7733.0
7520.2
7345.0
7150.9
6935.0
6618.9
6208.9
5689.4
5098.0
4506.5
4046.5
3739.8
3448.7
3226.5
2932.3
2678.9
2441.0
2253.2
2106.2
1993.5
1909.0
1799.5
1990.4
1474.0
1167.3
938.9
697.9
287.9
0.0

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