

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: P850796

Luminaire Tested: **GLAN-SB8C-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850796
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-SB8C-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46922 lumens
Efficiency: N/A
Efficacy: 117.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G5

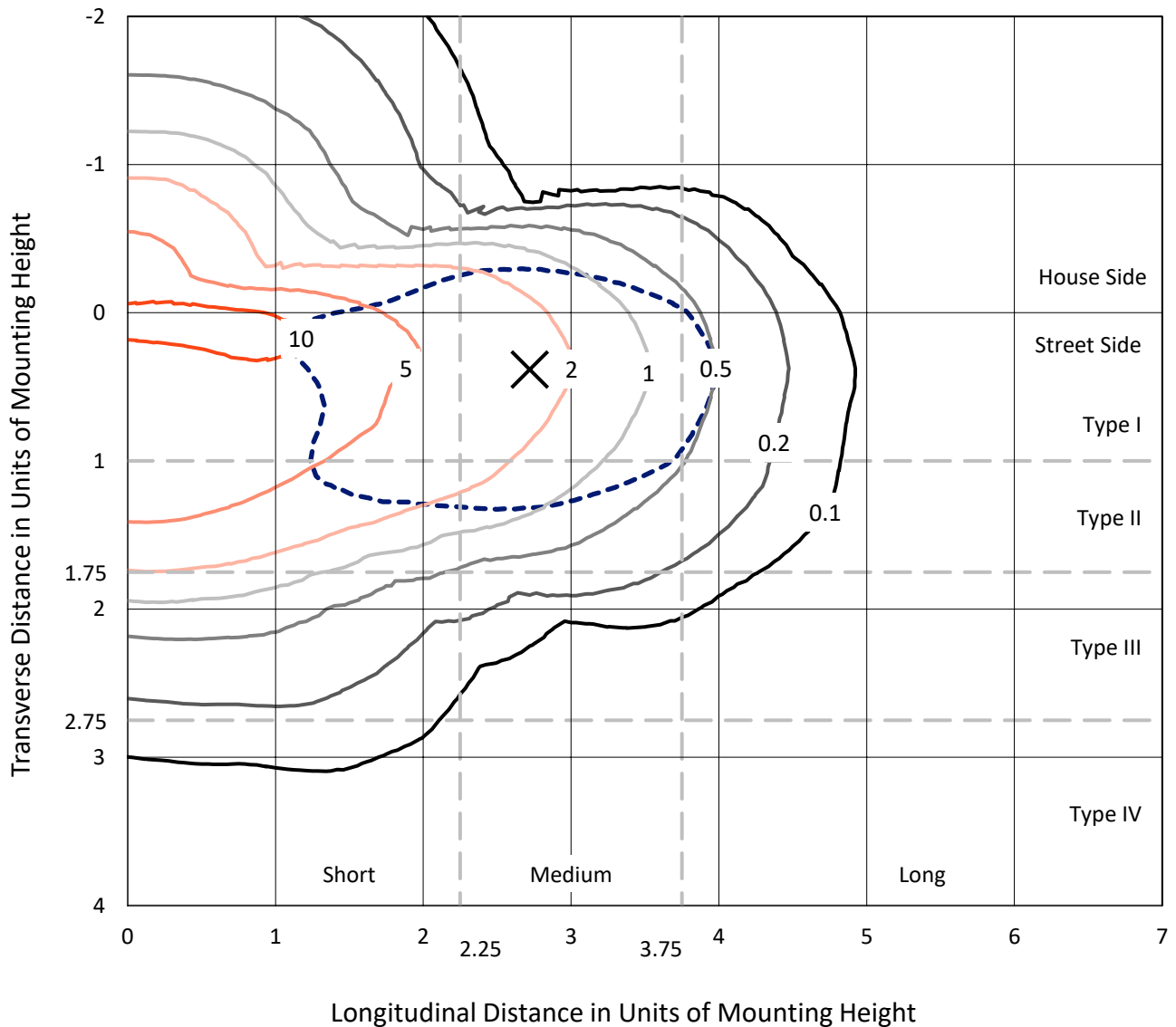
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

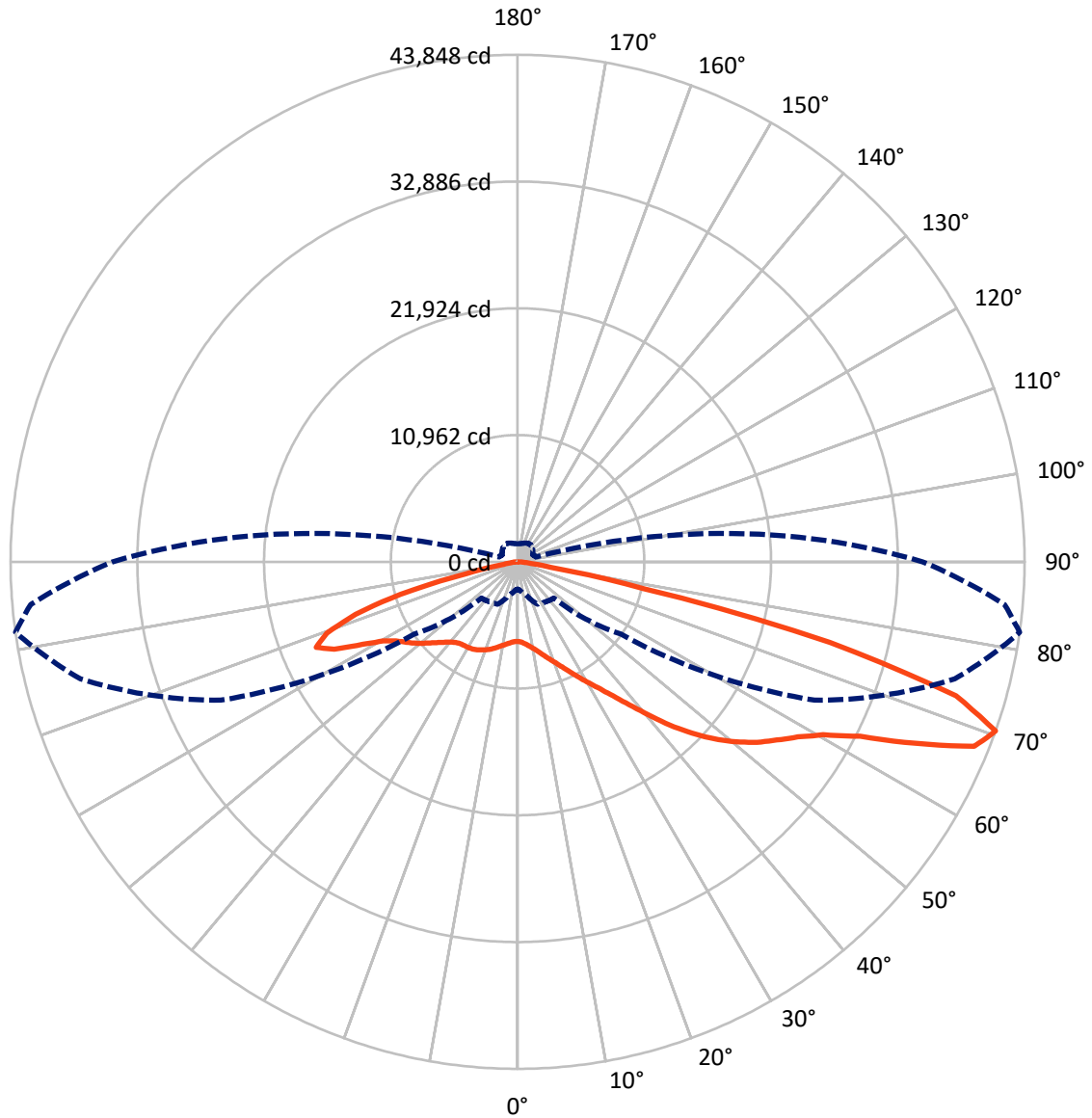
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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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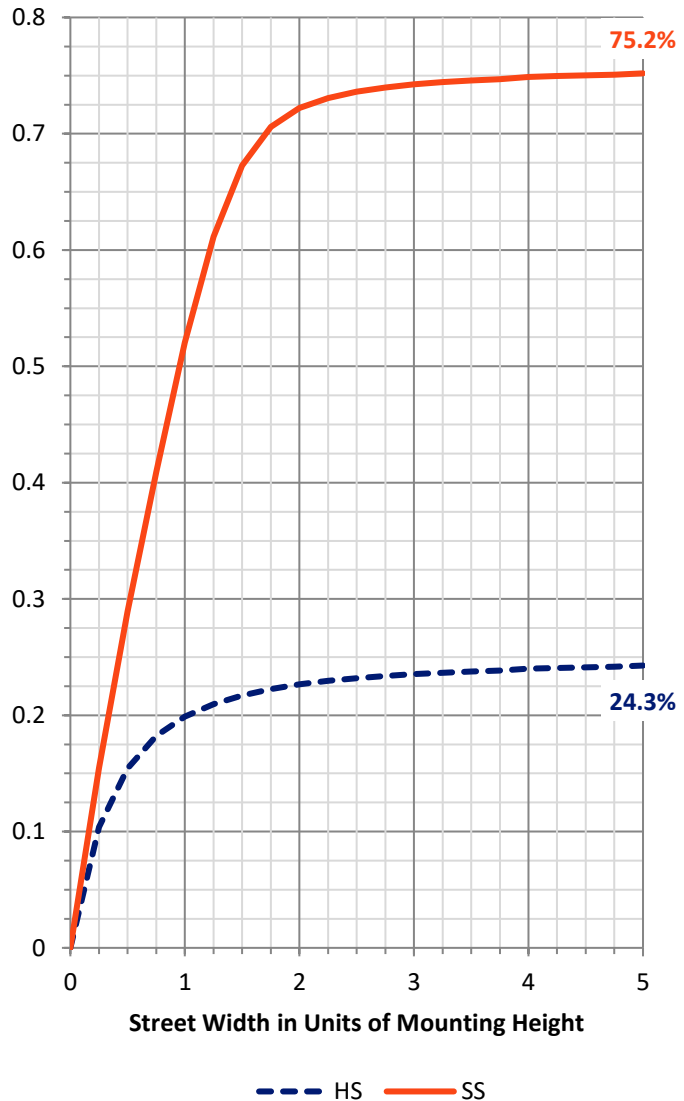
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11567.4	0.0	11567.4
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	35354.6	0.0	35354.6
	% Fixture	75.3	0.0	75.3
Total	Lumens	46922.0	0.0	46922.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	649.5	1.4
10°-20°	1866.1	4.0
20°-30°	3121.9	6.7
30°-40°	4877.2	10.4
40°-50°	7767.5	16.6
50°-60°	10809.4	23.0
60°-70°	11307.1	24.1
70°-80°	5909.7	12.6
80°-90°	613.7	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°	46922.0	100.0
0°-180°	46922.0	100.0

Coefficient of Utilization

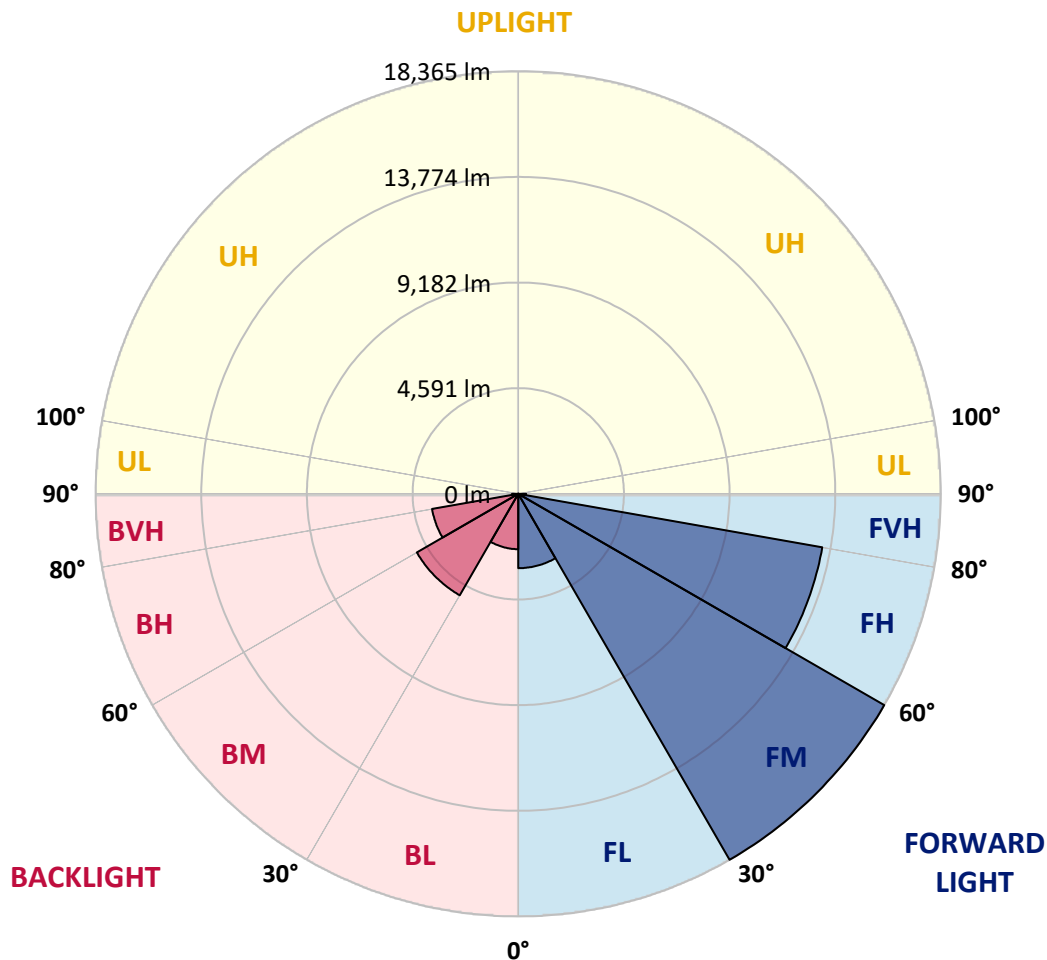


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3231.1	6.9			
FM (30°-60°)	18364.8	39.1			
FH (60°-80°)	13415.1	28.6			G5
FVH (80°-90°)	343.5	0.7			G3/500
BL (0°-30°)	2406.4	5.1	B3/2500		
BM (30°-60°)	5089.2	10.8	B4/8500		
BH (60°-80°)	3801.6	8.1	B4/5000		G4/5000
BVH (80°-90°)	270.1	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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6879.4	6879.4	6879.4	6879.4	6879.4	6879.4	6879.4	6879.4	6879.4	6879.4
2.5°	7043.7	7083.5	7071.1	7058.6	7058.6	7041.2	7038.7	7013.8	6993.9	6961.5
5°	7133.3	7175.6	7170.7	7180.6	7213.0	7220.5	7227.9	7213.0	7173.1	7133.3
7.5°	7053.6	7100.9	7115.9	7175.6	7275.2	7364.9	7432.1	7459.5	7422.1	7364.9
10°	6784.7	6837.0	6889.3	7031.2	7208.0	7419.6	7598.9	7706.0	7698.5	7643.7
12.5°	6239.5	6294.2	6406.3	6682.7	7006.3	7379.8	7713.4	7937.5	8014.7	7974.9
15°	5803.8	5851.1	5935.7	6219.6	6640.3	7208.0	7755.8	8191.5	8388.2	8365.8
17.5°	5791.3	5811.2	5863.5	5998.0	6321.6	6939.1	7710.9	8440.5	8816.4	8813.9
20°	6010.4	6017.9	6047.8	6075.1	6259.4	6734.9	7596.4	8647.1	9297.0	9297.0
22.5°	6314.2	6309.2	6339.1	6314.2	6403.8	6717.5	7524.2	8828.9	9832.3	9872.1
25°	6769.8	6744.9	6737.4	6680.2	6697.6	6879.4	7603.9	9035.5	10467.2	10549.3
27.5°	7377.3	7337.5	7310.1	7178.1	7133.3	7213.0	7847.9	9284.5	11174.3	11316.2
30°	8169.1	8096.9	8057.0	7828.0	7666.1	7678.6	8216.4	9615.7	11913.8	12142.8
32.5°	9249.7	9137.6	9030.5	8654.6	8358.3	8261.2	8691.9	10073.8	12715.5	13081.5
35°	10459.7	10370.1	10255.5	9675.4	9219.8	8995.7	9334.3	10713.7	13654.1	14234.3
37.5°	11624.9	11547.8	11602.5	10820.7	10233.1	9907.0	10175.9	11572.6	14811.9	15668.4
40°	12830.0	12770.2	12777.7	12030.8	11346.1	10980.1	11196.7	12650.7	16139.0	17373.9
42.5°	14139.6	14094.8	13945.4	13283.1	12513.8	12172.7	12371.9	13895.6	17563.1	19316.0
45°	15606.1	15578.8	15439.3	14679.9	13798.5	13415.1	13684.0	15270.0	18994.8	21143.5
47.5°	16873.5	16895.9	16878.4	16238.6	15324.8	14762.1	15083.3	16704.2	20326.8	22861.5
50°	17483.5	17600.5	17772.3	17573.1	17005.4	16432.8	16495.0	18088.5	21596.6	24472.4
52.5°	17164.8	17386.4	17854.4	18173.1	18392.2	18272.7	18105.9	19462.9	22791.7	25926.4
55°	15977.1	16288.4	17065.2	17834.5	18952.5	19821.4	20040.5	20986.6	23957.0	27206.2
57.5°	13813.5	14318.9	15016.1	16572.2	18454.5	20570.8	22296.3	23100.5	25191.9	28573.1
60°	10103.7	10780.9	11647.3	13962.9	16711.6	20170.0	24215.9	26347.2	26947.2	30343.3
62.5°	6466.0	6884.3	7681.1	9862.1	13021.7	18115.9	24803.5	30405.6	29922.6	33246.5
65°	4426.9	4695.8	5425.3	6650.3	8418.1	13484.8	23230.0	33448.1	34648.2	37847.6
67.5°	3216.8	3421.0	4043.5	5116.6	5485.1	7979.8	18026.2	33308.7	39241.9	42588.2
70°	2345.4	2489.8	3012.7	4043.5	4220.2	4439.3	10920.3	28314.1	39142.3	43848.1
72.5°	1737.9	1837.5	2188.5	3137.2	3416.0	2997.7	5405.4	20578.3	33634.9	39660.2
75°	1257.4	1332.0	1591.0	2400.2	2733.8	2283.2	2696.5	12025.8	23461.5	27898.3
77.5°	961.1	1018.3	1187.6	1757.8	2188.5	1713.0	1673.2	5532.4	11124.5	11179.3
80°	771.8	809.2	901.3	1237.4	1678.1	1282.3	1090.5	2233.4	3515.6	2975.3
82.5°	567.7	629.9	761.9	868.9	1200.1	883.9	664.8	1127.9	1337.0	1150.3
85°	323.7	366.0	460.6	622.5	766.9	540.3	380.9	500.5	622.5	510.4
87.5°	114.5	149.4	161.8	244.0	333.6	224.1	146.9	144.4	204.2	151.9
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°
6879.4	0°	6879.4	6879.4	6879.4	6879.4	6879.4	6879.4	6879.4	6879.4	6879.4	6879.4
6954.0	2.5°	6929.1	6916.7	6866.9	6799.7	6730.0	6662.7	6640.3	6593.0	6560.7	6543.2
7115.9	5°	7068.6	7028.7	6911.7	6762.3	6605.5	6436.2	6316.7	6207.1	6127.4	6052.7
7337.5	7.5°	7267.8	7198.0	6996.4	6734.9	6456.1	6174.7	5965.6	5806.2	5699.2	5629.5
7596.4	10°	7499.3	7392.3	7083.5	6692.6	6261.9	5858.5	5612.0	5475.1	5407.9	5370.5
7892.7	12.5°	7765.7	7613.8	7173.1	6595.5	5965.6	5505.0	5335.7	5295.8	5298.3	5300.8
8266.2	15°	8094.4	7882.7	7245.4	6383.9	5579.7	5233.6	5203.7	5268.4	5335.7	5368.0
8689.4	17.5°	8465.4	8166.6	7257.8	6035.3	5201.2	5059.3	5153.9	5293.3	5395.4	5440.2
9162.5	20°	8863.7	8455.4	7168.2	5542.3	4890.0	4917.4	5086.7	5266.0	5378.0	5435.3
9702.8	22.5°	9319.4	8764.1	6954.0	5024.4	4636.0	4763.0	4962.2	5136.5	5253.5	5310.8
10337.7	25°	9839.7	9110.2	6617.9	4588.7	4416.9	4588.7	4787.9	4932.3	5026.9	5079.2
11047.3	27.5°	10417.4	9471.2	6169.8	4242.6	4225.2	4409.5	4573.8	4685.8	4735.6	4775.5
11801.7	30°	10997.5	9799.9	5627.0	3981.2	4058.4	4232.7	4349.7	4399.5	4414.4	4421.9
12643.3	32.5°	11624.9	10083.7	5056.8	3764.6	3899.0	4060.9	4130.6	4153.0	4083.3	4036.0
13664.1	35°	12384.3	10387.5	4499.1	3592.8	3742.2	3881.6	3904.0	3884.1	3801.9	3704.8
14943.9	37.5°	13323.0	10765.9	4053.4	3470.8	3595.3	3687.4	3660.0	3655.0	3662.5	3548.0
16482.6	40°	14473.3	11258.9	3727.2	3376.2	3475.8	3495.7	3418.5	3460.8	3498.2	3323.9
18170.7	42.5°	15750.6	11854.0	3520.6	3311.5	3376.2	3328.9	3209.4	3256.7	3251.7	3022.6
19866.2	45°	17052.7	12501.3	3448.4	3264.1	3284.1	3189.4	3057.5	3069.9	2965.4	2758.7
21492.1	47.5°	18347.4	13196.0	3493.2	3224.3	3169.5	3062.5	2960.4	2905.6	2751.2	2596.9
23050.7	50°	19617.2	13925.5	3657.5	3144.6	3012.7	2950.4	2875.7	2778.6	2614.3	2482.3
24524.7	52.5°	20794.9	14660.0	3841.8	3012.7	2816.0	2853.3	2806.0	2694.0	2532.1	2397.7
25918.9	55°	21910.4	15394.5	3914.0	2830.9	2631.7	2768.7	2741.3	2534.6	2340.4	2230.9
27378.0	57.5°	23125.4	16278.4	3834.3	2599.4	2482.3	2671.6	2567.0	2337.9	2225.9	2143.7
29277.7	60°	24808.5	17665.2	3662.5	2313.0	2340.4	2527.2	2347.9	2253.3	2131.3	2039.2
32126.1	62.5°	27604.6	20252.1	3386.1	2029.2	2173.6	2313.0	2243.3	2148.7	2024.2	1934.6
36996.1	65°	31737.6	23847.4	2865.8	1807.6	1986.9	2103.9	2131.3	2036.7	1907.2	1812.6
41263.7	67.5°	35223.4	26103.2	2168.6	1623.4	1795.2	1934.6	2011.8	1919.6	1782.7	1690.6
42262.1	70°	35031.7	24464.9	1655.7	1441.6	1625.8	1767.8	1867.4	1795.2	1648.3	1561.1
38387.9	72.5°	31115.2	20466.3	1339.5	1257.4	1454.1	1593.5	1713.0	1658.2	1508.8	1424.2
28122.4	75°	22859.0	14528.1	1070.6	1070.6	1239.9	1411.7	1543.7	1508.8	1371.9	1312.1
11806.7	77.5°	9635.6	6095.1	839.1	888.9	1030.8	1212.5	1376.9	1389.3	1269.8	1344.5
3122.2	80°	2562.0	1680.6	639.9	699.6	809.2	1000.9	1197.6	1192.6	1063.1	993.4
1160.3	82.5°	976.0	662.3	455.6	493.0	585.1	766.9	948.6	978.5	849.0	734.5
455.6	85°	376.0	283.8	281.3	296.3	341.1	507.9	717.1	742.0	639.9	542.8
127.0	87.5°	97.1	84.7	104.6	99.6	156.9	271.4	410.8	425.8	390.9	226.6
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°
6879.4
6563.1
6082.6
5644.4
5380.5
5305.8
5365.5
5450.2
5450.2
5325.7
5094.2
4790.4
4439.3
4050.9
3709.8
3555.5
3328.9
3020.1
2766.2
2596.9
2472.4
2400.2
2220.9
2136.3
2034.2
1934.6
1817.6
1693.1
1568.6
1424.2
1294.7
1220.0
923.7
734.5
560.2
323.7
0.0

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