

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: P851156

Luminaire Tested: **GLAN-SB9A-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851156
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-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39106 lumens
Efficiency: N/A
Efficacy: 153.1 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

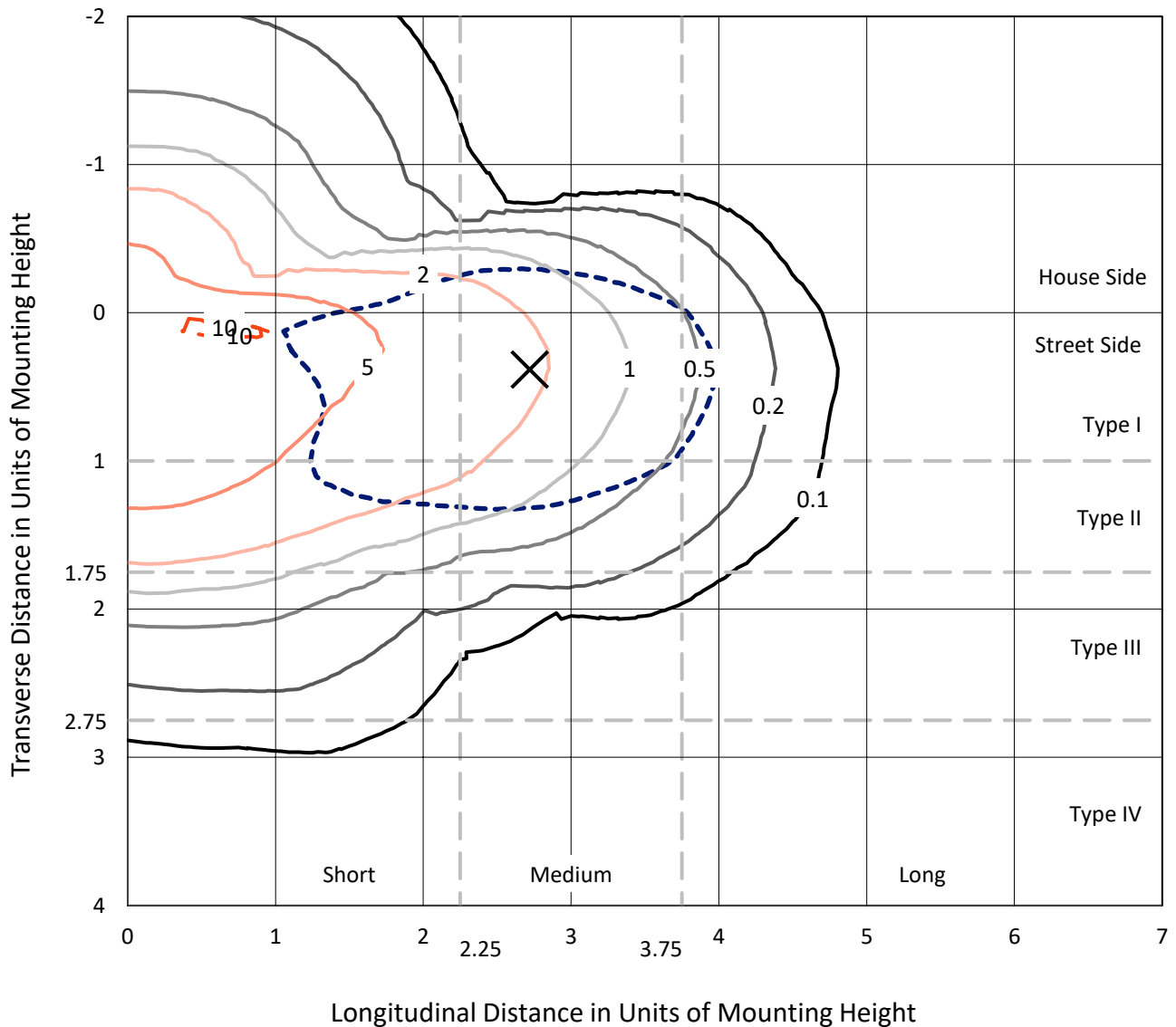
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

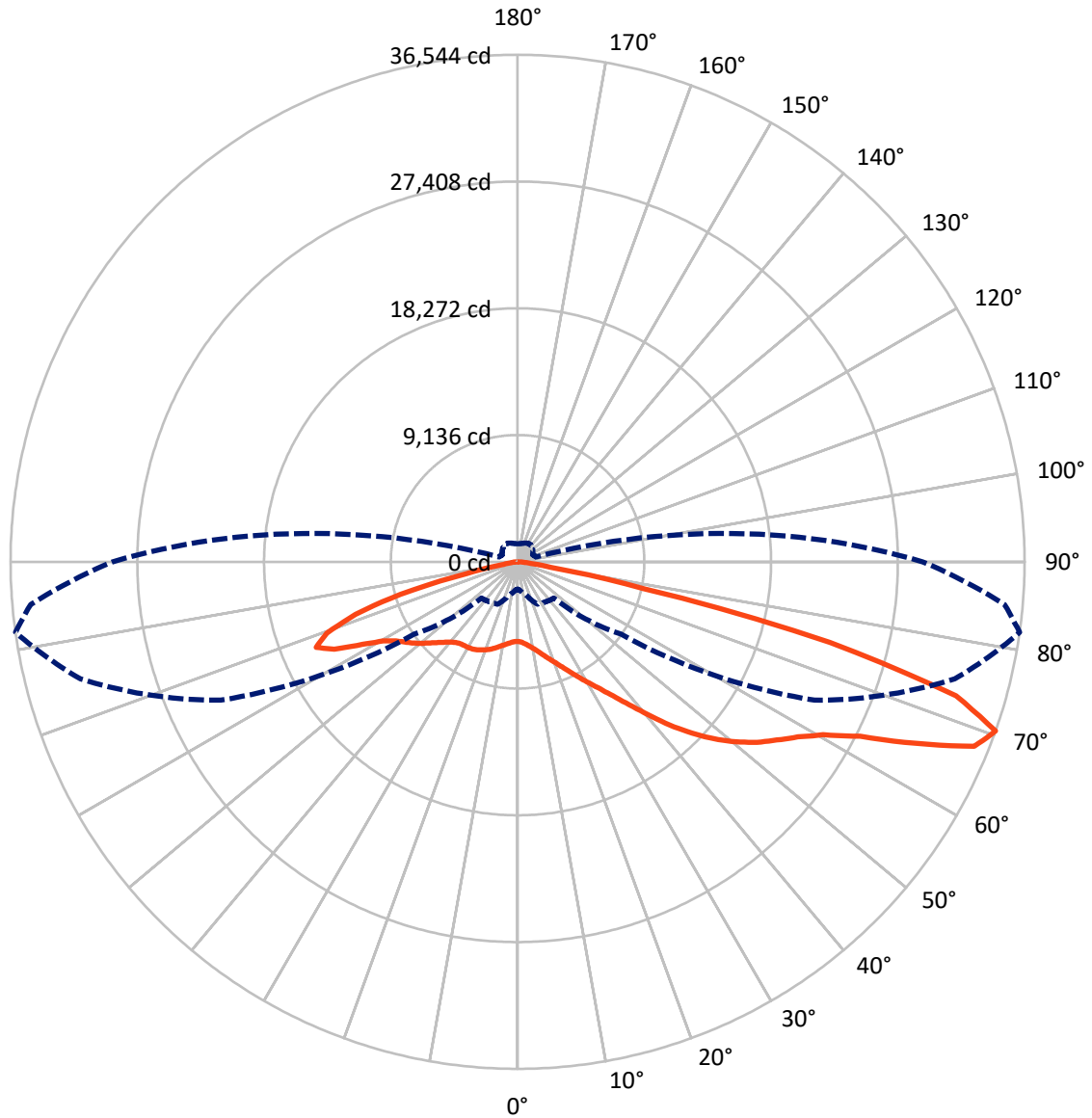
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 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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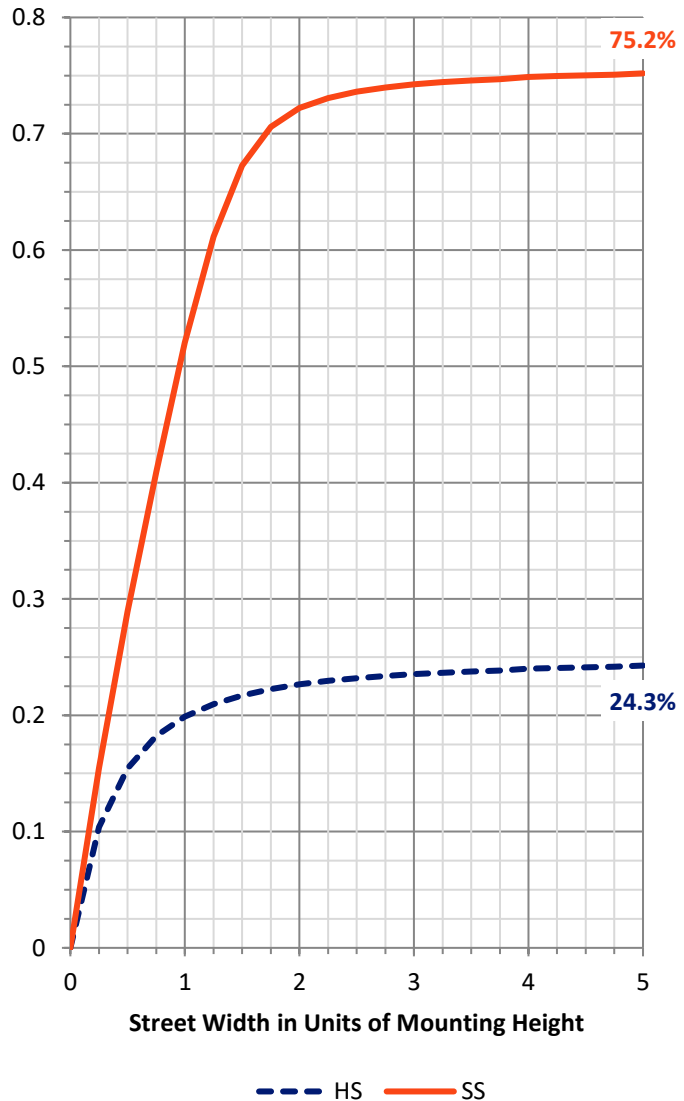
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9640.6	0.0	9640.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	29465.4	0.0	29465.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	39106.0	0.0	39106.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.3	1.4
10°-20°	1555.3	4.0
20°-30°	2601.8	6.7
30°-40°	4064.8	10.4
40°-50°	6473.6	16.6
50°-60°	9008.8	23.0
60°-70°	9423.6	24.1
70°-80°	4925.3	12.6
80°-90°	511.4	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°	39106.0	100.0
0°-180°	39106.0	100.0

Coefficient of Utilization

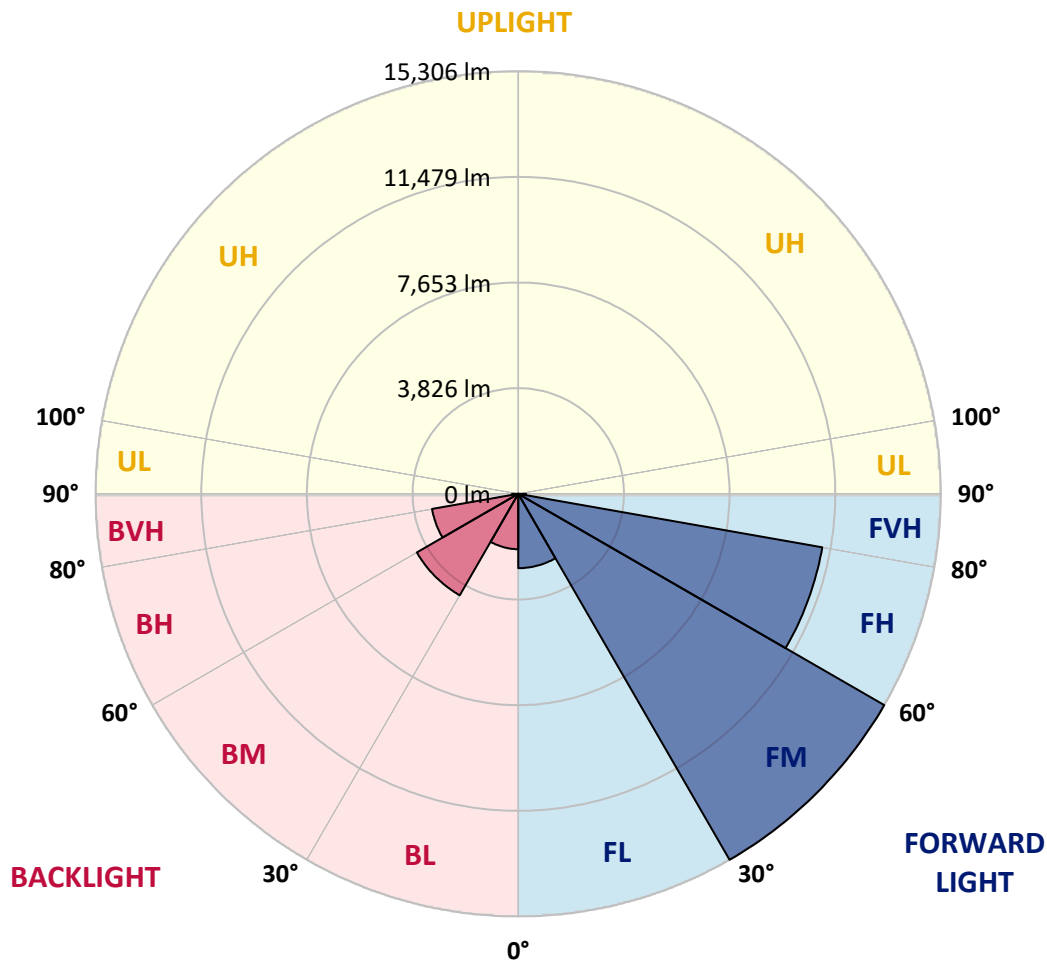


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2692.9	6.9			
FM (30°-60°)	15305.7	39.1			
FH (60°-80°)	11180.5	28.6			G4/12000
FVH (80°-90°)	286.3	0.7			G3/500
BL (0°-30°)	2005.6	5.1	B3/2500		
BM (30°-60°)	4241.5	10.8	B3/5000		
BH (60°-80°)	3168.4	8.1	B4/5000		G4/5000
BVH (80°-90°)	225.1	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	5733.4	5733.4	5733.4	5733.4	5733.4	5733.4	5733.4	5733.4	5733.4	5733.4
2.5°	5870.4	5903.6	5893.2	5882.8	5882.8	5868.3	5866.2	5845.5	5828.9	5801.9
5°	5945.1	5980.4	5976.2	5984.5	6011.5	6017.7	6023.9	6011.5	5978.3	5945.1
7.5°	5878.7	5918.1	5930.6	5980.4	6063.4	6138.1	6194.1	6216.9	6185.8	6138.1
10°	5654.6	5698.2	5741.7	5860.0	6007.3	6183.7	6333.1	6422.4	6416.1	6370.5
12.5°	5200.1	5245.8	5339.2	5569.5	5839.3	6150.5	6428.6	6615.3	6679.7	6646.5
15°	4837.0	4876.4	4947.0	5183.5	5534.2	6007.3	6463.9	6827.0	6990.9	6972.2
17.5°	4826.6	4843.2	4886.8	4998.9	5268.6	5783.2	6426.5	7034.5	7347.8	7345.8
20°	5009.2	5015.5	5040.4	5063.2	5216.7	5613.1	6331.0	7206.7	7748.3	7748.3
22.5°	5262.4	5258.2	5283.1	5262.4	5337.1	5598.5	6270.9	7358.2	8194.5	8227.7
25°	5642.1	5621.4	5615.1	5567.4	5581.9	5733.4	6337.3	7530.4	8723.6	8792.1
27.5°	6148.4	6115.2	6092.4	5982.4	5945.1	6011.5	6540.6	7737.9	9312.9	9431.2
30°	6808.3	6748.1	6714.9	6524.0	6389.2	6399.5	6847.7	8013.9	9929.2	10120.1
32.5°	7708.9	7615.5	7526.3	7213.0	6966.0	6885.1	7244.1	8395.7	10597.4	10902.4
35°	8717.4	8642.7	8547.2	8063.7	7684.0	7497.2	7779.5	8929.0	11379.7	11863.2
37.5°	9688.5	9624.2	9669.8	9018.3	8528.6	8256.7	8480.8	9644.9	12344.6	13058.4
40°	10692.9	10643.1	10649.3	10026.8	9456.1	9151.1	9331.6	10543.4	13450.6	14479.9
42.5°	11784.3	11747.0	11622.5	11070.5	10429.3	10145.0	10311.0	11581.0	14637.6	16098.4
45°	13006.6	12983.7	12867.5	12234.6	11500.1	11180.5	11404.6	12726.4	15830.7	17621.5
47.5°	14062.8	14081.5	14066.9	13533.6	12772.1	12303.1	12570.8	13921.7	16940.9	19053.3
50°	14571.2	14668.7	14811.9	14645.9	14172.8	13695.5	13747.4	15075.4	17999.2	20395.9
52.5°	14305.6	14490.2	14880.4	15146.0	15328.6	15229.0	15089.9	16220.9	18995.2	21607.7
55°	13315.7	13575.1	14222.6	14863.8	15795.5	16519.7	16702.3	17490.8	19966.4	22674.3
57.5°	11512.5	11933.7	12514.8	13811.7	15380.4	17144.3	18582.3	19252.5	20995.6	23813.5
60°	8420.6	8985.1	9707.2	11637.0	13927.9	16810.2	20182.2	21958.4	22458.5	25288.9
62.5°	5389.0	5737.6	6401.6	8219.4	10852.6	15098.2	20671.9	25340.8	24938.2	27708.5
65°	3689.5	3913.6	4521.6	5542.5	7015.8	11238.6	19360.4	27876.5	28876.7	31543.2
67.5°	2681.0	2851.2	3369.9	4264.3	4571.4	6650.6	15023.5	27760.3	32705.2	35494.1
70°	1954.7	2075.1	2510.8	3369.9	3517.2	3699.9	9101.3	23597.7	32622.2	36544.1
72.5°	1448.4	1531.4	1824.0	2614.6	2847.0	2498.4	4505.0	17150.5	28032.2	33053.8
75°	1047.9	1110.2	1326.0	2000.4	2278.4	1902.8	2247.3	10022.6	19553.4	23251.2
77.5°	801.0	848.7	989.8	1465.0	1824.0	1427.7	1394.4	4610.8	9271.4	9317.1
80°	643.3	674.4	751.2	1031.3	1398.6	1068.7	908.9	1861.3	2930.0	2479.7
82.5°	473.1	525.0	635.0	724.2	1000.2	736.7	554.0	940.0	1114.3	958.7
85°	269.8	305.0	383.9	518.8	639.1	450.3	317.5	417.1	518.8	425.4
87.5°	95.5	124.5	134.9	203.4	278.1	186.8	122.4	120.4	170.2	126.6
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°
5733.4	0°	5733.4	5733.4	5733.4	5733.4	5733.4	5733.4	5733.4	5733.4	5733.4	5733.4
5795.7	2.5°	5774.9	5764.6	5723.1	5667.0	5608.9	5552.9	5534.2	5494.8	5467.8	5453.3
5930.6	5°	5891.1	5857.9	5760.4	5635.9	5505.2	5364.1	5264.5	5173.2	5106.8	5044.5
6115.2	7.5°	6057.1	5999.0	5831.0	5613.1	5380.7	5146.2	4971.9	4839.1	4749.8	4691.7
6331.0	10°	6250.1	6160.9	5903.6	5577.8	5218.8	4882.6	4677.2	4563.1	4507.1	4475.9
6578.0	12.5°	6472.2	6345.6	5978.3	5496.9	4971.9	4588.0	4446.9	4413.7	4415.8	4417.8
6889.2	15°	6746.1	6569.7	6038.5	5320.5	4650.2	4361.8	4336.9	4390.9	4446.9	4473.9
7242.0	17.5°	7055.3	6806.2	6048.8	5030.0	4334.8	4216.5	4295.4	4411.6	4496.7	4534.0
7636.3	20°	7387.3	7047.0	5974.1	4619.1	4075.4	4098.3	4239.4	4388.8	4482.2	4529.9
8086.6	22.5°	7767.0	7304.3	5795.7	4187.5	3863.8	3969.6	4135.6	4280.9	4378.4	4426.1
8615.7	25°	8200.7	7592.7	5515.5	3824.4	3681.2	3824.4	3990.4	4110.7	4189.6	4233.2
9207.1	27.5°	8682.1	7893.6	5142.0	3535.9	3521.4	3675.0	3811.9	3905.3	3946.8	3980.0
9835.8	30°	9165.6	8167.5	4689.7	3318.0	3382.4	3527.6	3625.2	3666.7	3679.1	3685.3
10537.2	32.5°	9688.5	8404.0	4214.5	3137.5	3249.6	3384.4	3442.5	3461.2	3403.1	3363.7
11388.0	35°	10321.4	8657.2	3749.7	2994.3	3118.8	3235.0	3253.7	3237.1	3168.6	3087.7
12454.6	37.5°	11103.7	8972.6	3378.2	2892.7	2996.4	3073.2	3050.4	3046.2	3052.4	2957.0
13737.0	40°	12062.4	9383.5	3106.4	2813.8	2896.8	2913.4	2849.1	2884.4	2915.5	2770.2
15143.9	42.5°	13126.9	9879.4	2934.2	2759.8	2813.8	2774.4	2674.8	2714.2	2710.0	2519.1
16557.0	45°	14212.2	10418.9	2874.0	2720.4	2737.0	2658.2	2548.2	2558.6	2471.4	2299.2
17912.0	47.5°	15291.2	10997.9	2911.3	2687.2	2641.6	2552.3	2467.3	2421.6	2293.0	2164.3
19211.0	50°	16349.5	11605.9	3048.3	2620.8	2510.8	2459.0	2396.7	2315.8	2178.8	2068.8
20439.5	52.5°	17331.0	12218.0	3201.8	2510.8	2346.9	2378.0	2338.6	2245.2	2110.3	1998.3
21601.5	55°	18260.6	12830.2	3262.0	2359.4	2193.4	2307.5	2284.7	2112.4	1950.6	1859.3
22817.5	57.5°	19273.3	13566.8	3195.6	2166.4	2068.8	2226.6	2139.4	1948.5	1855.1	1786.6
24400.8	60°	20676.0	14722.6	3052.4	1927.7	1950.6	2106.2	1956.8	1877.9	1776.3	1699.5
26774.7	62.5°	23006.3	16878.6	2822.1	1691.2	1811.5	1927.7	1869.6	1790.8	1687.0	1612.3
30833.5	65°	26451.0	19875.1	2388.4	1506.5	1655.9	1753.4	1776.3	1697.4	1589.5	1510.7
34390.2	67.5°	29356.1	21755.1	1807.4	1352.9	1496.1	1612.3	1676.7	1599.9	1485.8	1409.0
35222.3	70°	29196.3	20389.7	1379.9	1201.5	1355.0	1473.3	1556.3	1496.1	1373.7	1301.1
31993.5	72.5°	25932.2	17057.1	1116.4	1047.9	1211.8	1328.0	1427.7	1382.0	1257.5	1186.9
23438.0	75°	19051.3	12108.1	892.3	892.3	1033.4	1176.6	1286.5	1257.5	1143.4	1093.6
9840.0	77.5°	8030.5	5079.8	699.3	740.8	859.1	1010.6	1147.5	1157.9	1058.3	1120.5
2602.1	80°	2135.3	1400.7	533.3	583.1	674.4	834.2	998.1	994.0	886.1	828.0
967.0	82.5°	813.4	552.0	379.7	410.9	487.6	639.1	790.6	815.5	707.6	612.1
379.7	85°	313.3	236.6	234.5	246.9	284.3	423.3	597.6	618.4	533.3	452.4
105.8	87.5°	80.9	70.6	87.2	83.0	130.7	226.2	342.4	354.8	325.8	188.8
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°
5733.4
5469.9
5069.4
4704.2
4484.2
4422.0
4471.8
4542.3
4542.3
4438.6
4245.6
3992.4
3699.9
3376.1
3091.9
2963.2
2774.4
2517.1
2305.4
2164.3
2060.5
2000.4
1851.0
1780.4
1695.3
1612.3
1514.8
1411.1
1307.3
1186.9
1079.0
1016.8
769.9
612.1
466.9
269.8
0.0

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