

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: P849116

Luminaire Tested: **GLAN-SB6A-730-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849116
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-SB6A-730-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 26036 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

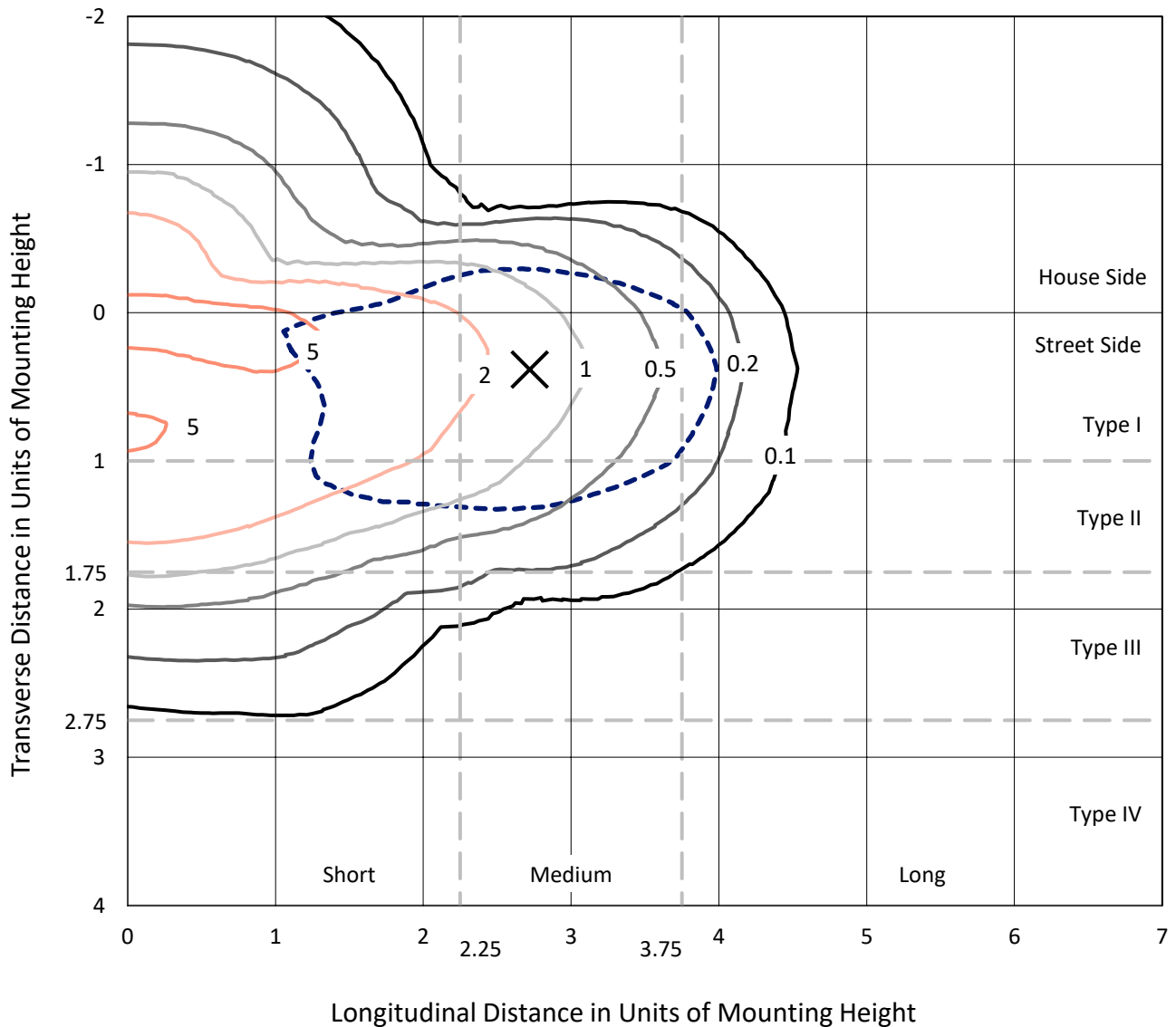
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

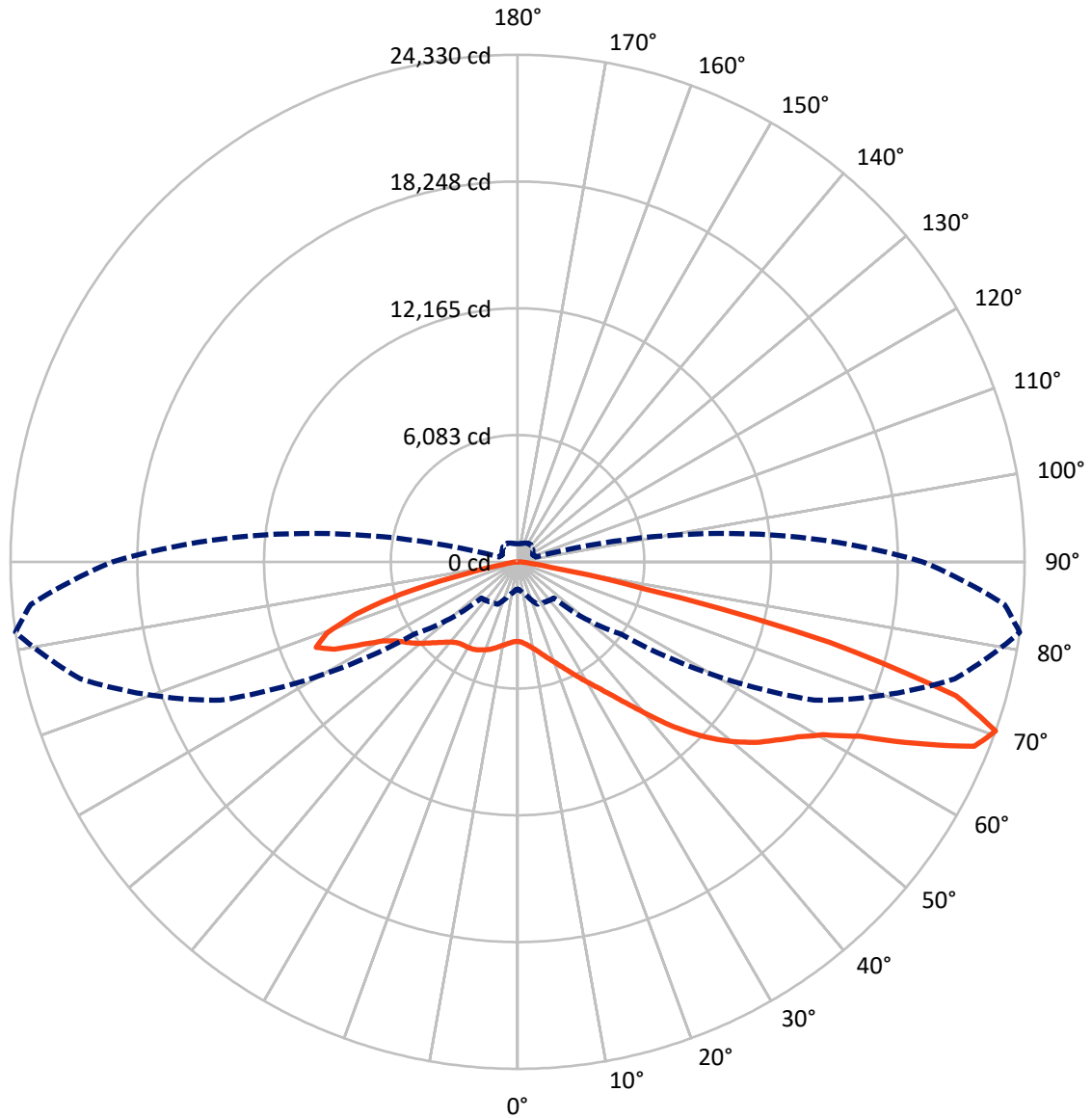
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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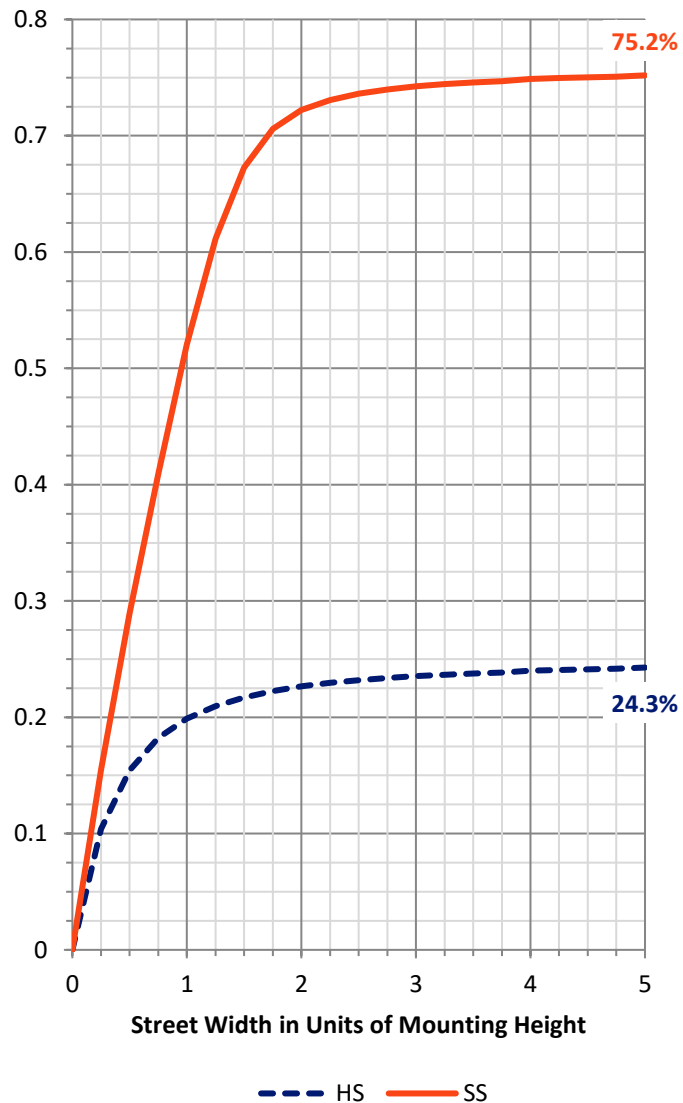
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6418.5	0.0	6418.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	19617.5	0.0	19617.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	26036.0	0.0	26036.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.4	1.4
10°-20°	1035.5	4.0
20°-30°	1732.3	6.7
30°-40°	2706.2	10.4
40°-50°	4310.0	16.6
50°-60°	5997.9	23.0
60°-70°	6274.1	24.1
70°-80°	3279.2	12.6
80°-90°	340.5	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°	26036.0	100.0
0°-180°	26036.0	100.0

Coefficient of Utilization

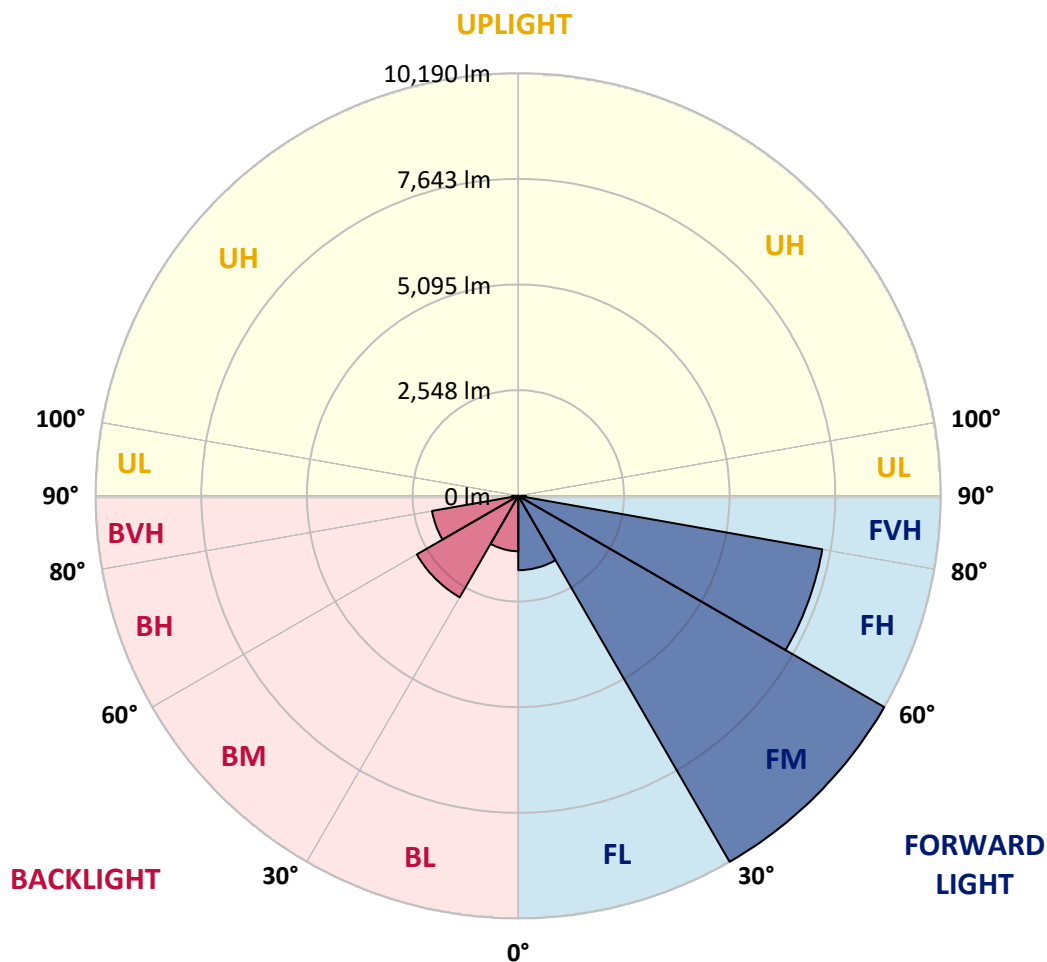


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1792.9	6.9			
FM (30°-60°)	10190.2	39.1			
FH (60°-80°)	7443.8	28.6			G3/7500
FVH (80°-90°)	190.6	0.7			G2/225
BL (0°-30°)	1335.3	5.1	B3/2500		
BM (30°-60°)	2823.9	10.8	B3/5000		
BH (60°-80°)	2109.5	8.1	B3/2500		G3/2500
BVH (80°-90°)	149.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3817.2	3817.2	3817.2	3817.2	3817.2	3817.2	3817.2	3817.2	3817.2	3817.2
2.5°	3908.4	3930.5	3923.6	3916.7	3916.7	3907.0	3905.6	3891.8	3880.8	3862.8
5°	3958.1	3981.6	3978.8	3984.4	4002.3	4006.5	4010.6	4002.3	3980.2	3958.1
7.5°	3913.9	3940.2	3948.4	3981.6	4036.9	4086.6	4123.9	4139.1	4118.4	4086.6
10°	3764.7	3793.7	3822.7	3901.5	3999.6	4117.0	4216.5	4275.9	4271.7	4241.3
12.5°	3462.1	3492.5	3554.7	3708.1	3887.7	4094.9	4280.0	4404.4	4447.2	4425.1
15°	3220.4	3246.6	3293.6	3451.1	3684.6	3999.6	4303.5	4545.3	4654.4	4642.0
17.5°	3213.5	3224.5	3253.5	3328.1	3507.7	3850.4	4278.6	4683.4	4892.0	4890.7
20°	3335.0	3339.2	3355.8	3371.0	3473.2	3737.1	4215.1	4798.1	5158.7	5158.7
22.5°	3503.6	3500.8	3517.4	3503.6	3553.3	3727.4	4175.0	4899.0	5455.7	5477.8
25°	3756.4	3742.6	3738.5	3706.7	3716.4	3817.2	4219.2	5013.6	5808.0	5853.6
27.5°	4093.5	4071.4	4056.2	3983.0	3958.1	4002.3	4354.6	5151.8	6200.4	6279.1
30°	4532.8	4492.8	4470.7	4343.6	4253.8	4260.7	4559.1	5335.5	6610.7	6737.8
32.5°	5132.4	5070.3	5010.9	4802.2	4637.8	4584.0	4823.0	5589.7	7055.5	7258.6
35°	5803.9	5754.1	5690.6	5368.7	5115.9	4991.5	5179.4	5944.8	7576.4	7898.3
37.5°	6450.4	6407.6	6438.0	6004.2	5678.1	5497.2	5646.4	6421.4	8218.8	8694.0
40°	7119.1	7085.9	7090.1	6675.6	6295.7	6092.6	6212.8	7019.6	8955.2	9640.4
42.5°	7845.8	7820.9	7738.0	7370.5	6943.6	6754.4	6864.9	7710.4	9745.4	10718.0
45°	8659.5	8644.3	8566.9	8145.6	7656.5	7443.8	7593.0	8473.0	10539.8	11732.1
47.5°	9362.7	9375.2	9365.5	9010.4	8503.4	8191.2	8369.4	9268.8	11278.9	12685.3
50°	9701.2	9766.1	9861.5	9750.9	9435.9	9118.2	9152.7	10036.9	11983.5	13579.2
52.5°	9524.4	9647.3	9907.0	10083.9	10205.5	10139.1	10046.6	10799.5	12646.6	14386.0
55°	8865.4	9038.1	9469.1	9896.0	10516.3	10998.5	11120.0	11645.0	13293.2	15096.1
57.5°	7664.8	7945.3	8332.1	9195.5	10240.0	11414.3	12371.7	12818.0	13978.5	15854.6
60°	5606.3	5982.1	6462.9	7747.7	9272.9	11191.9	13436.9	14619.5	14952.4	16836.9
62.5°	3587.9	3820.0	4262.1	5472.3	7225.5	10052.1	13762.9	16871.4	16603.4	18447.7
65°	2456.4	2605.6	3010.4	3690.1	4671.0	7482.4	12889.8	18559.6	19225.6	21000.8
67.5°	1785.0	1898.2	2243.6	2839.1	3043.5	4427.8	10002.4	18482.3	21774.5	23631.3
70°	1301.4	1381.5	1671.7	2243.6	2341.7	2463.3	6059.4	15710.9	21719.2	24330.4
72.5°	964.3	1019.6	1214.4	1740.7	1895.5	1663.4	2999.3	11418.5	18663.3	22006.6
75°	697.7	739.1	882.8	1331.8	1516.9	1266.9	1496.2	6672.9	13018.3	15480.2
77.5°	533.3	565.1	659.0	975.4	1214.4	950.5	928.4	3069.8	6172.7	6203.1
80°	428.3	449.0	500.1	686.6	931.2	711.5	605.1	1239.2	1950.7	1650.9
82.5°	315.0	349.5	422.8	482.2	665.9	490.4	368.9	625.8	741.9	638.3
85°	179.6	203.1	255.6	345.4	425.5	299.8	211.4	277.7	345.4	283.2
87.5°	63.6	82.9	89.8	135.4	185.1	124.3	81.5	80.1	113.3	84.3
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°
3817.2	0°	3817.2	3817.2	3817.2	3817.2	3817.2	3817.2	3817.2	3817.2	3817.2	3817.2
3858.6	2.5°	3844.8	3837.9	3810.3	3773.0	3734.3	3697.0	3684.6	3658.3	3640.4	3630.7
3948.4	5°	3922.2	3900.1	3835.2	3752.3	3665.2	3571.3	3505.0	3444.2	3400.0	3358.5
4071.4	7.5°	4032.7	3994.0	3882.1	3737.1	3582.3	3426.2	3310.2	3221.8	3162.4	3123.7
4215.1	10°	4161.2	4101.8	3930.5	3713.6	3474.6	3250.8	3114.0	3038.0	3000.7	2980.0
4379.5	12.5°	4309.0	4224.8	3980.2	3659.7	3310.2	3054.6	2960.6	2938.5	2939.9	2941.3
4586.7	15°	4491.4	4374.0	4020.3	3542.3	3096.0	2904.0	2887.4	2923.3	2960.6	2978.6
4821.6	17.5°	4697.2	4531.5	4027.2	3348.9	2886.0	2807.3	2859.8	2937.2	2993.8	3018.7
5084.1	20°	4918.3	4691.7	3977.5	3075.3	2713.4	2728.5	2822.5	2922.0	2984.1	3015.9
5383.9	22.5°	5171.1	4863.0	3858.6	2788.0	2572.4	2642.9	2753.4	2850.1	2915.1	2946.8
5736.2	25°	5459.9	5055.1	3672.1	2546.2	2450.9	2546.2	2656.7	2736.8	2789.3	2818.3
6129.9	27.5°	5780.4	5255.4	3423.5	2354.1	2344.5	2446.7	2537.9	2600.1	2627.7	2649.8
6548.5	30°	6102.3	5437.8	3122.3	2209.1	2251.9	2348.6	2413.6	2441.2	2449.5	2453.6
7015.5	32.5°	6450.4	5595.2	2805.9	2088.9	2163.5	2253.3	2292.0	2304.4	2265.7	2239.5
7581.9	35°	6871.8	5763.8	2496.4	1993.6	2076.5	2153.8	2166.3	2155.2	2109.6	2055.7
8292.0	37.5°	7392.6	5973.8	2249.2	1925.9	1994.9	2046.1	2030.9	2028.1	2032.2	1968.7
9145.8	40°	8030.9	6247.3	2068.2	1873.4	1928.6	1939.7	1896.9	1920.3	1941.1	1844.4
10082.5	42.5°	8739.6	6577.5	1953.5	1837.5	1873.4	1847.1	1780.8	1807.1	1804.3	1677.2
11023.3	45°	9462.2	6936.7	1913.4	1811.2	1822.3	1769.8	1696.5	1703.4	1645.4	1530.7
11925.5	47.5°	10180.6	7322.2	1938.3	1789.1	1758.7	1699.3	1642.7	1612.3	1526.6	1440.9
12790.3	50°	10885.2	7727.0	2029.5	1744.9	1671.7	1637.1	1595.7	1541.8	1450.6	1377.4
13608.2	52.5°	11538.6	8134.5	2131.7	1671.7	1562.5	1583.2	1557.0	1494.8	1405.0	1330.4
14381.9	55°	12157.6	8542.1	2171.8	1570.8	1460.3	1536.3	1521.1	1406.4	1298.7	1237.9
15191.4	57.5°	12831.8	9032.5	2127.6	1442.3	1377.4	1482.4	1424.4	1297.3	1235.1	1189.5
16245.6	60°	13765.7	9802.0	2032.2	1283.5	1298.7	1402.3	1302.8	1250.3	1182.6	1131.5
17826.0	62.5°	15317.2	11237.5	1878.9	1126.0	1206.1	1283.5	1244.8	1192.3	1123.2	1073.5
20528.3	65°	17610.5	13232.4	1590.2	1003.0	1102.5	1167.4	1182.6	1130.1	1058.3	1005.8
22896.3	67.5°	19544.7	14484.1	1203.3	900.8	996.1	1073.5	1116.3	1065.2	989.2	938.1
23450.3	70°	19438.3	13575.0	918.7	799.9	902.1	980.9	1036.2	996.1	914.6	866.2
21300.6	72.5°	17265.1	11356.3	743.3	697.7	806.8	884.2	950.5	920.1	837.2	790.2
15604.5	75°	12683.9	8061.3	594.1	594.1	688.0	783.3	856.6	837.2	761.2	728.1
6551.3	77.5°	5346.6	3382.0	465.6	493.2	572.0	672.8	764.0	770.9	704.6	746.0
1732.5	80°	1421.6	932.5	355.1	388.2	449.0	555.4	664.5	661.8	589.9	551.2
643.8	82.5°	541.6	367.5	252.8	273.5	324.7	425.5	526.4	542.9	471.1	407.6
252.8	85°	208.6	157.5	156.1	164.4	189.3	281.8	397.9	411.7	355.1	301.2
70.5	87.5°	53.9	47.0	58.0	55.3	87.0	150.6	228.0	236.2	216.9	125.7
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°
3817.2
3641.7
3375.1
3132.0
2985.5
2944.1
2977.2
3024.2
3024.2
2955.1
2826.6
2658.1
2463.3
2247.8
2058.5
1972.8
1847.1
1675.8
1534.9
1440.9
1371.9
1331.8
1232.3
1185.4
1128.7
1073.5
1008.5
939.4
870.4
790.2
718.4
677.0
512.6
407.6
310.8
179.6
0.0

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