

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: P849118

Luminaire Tested: **GLAN-SB6A-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849118  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB6A-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26294 lumens  
Efficiency: N/A  
Efficacy: 153.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

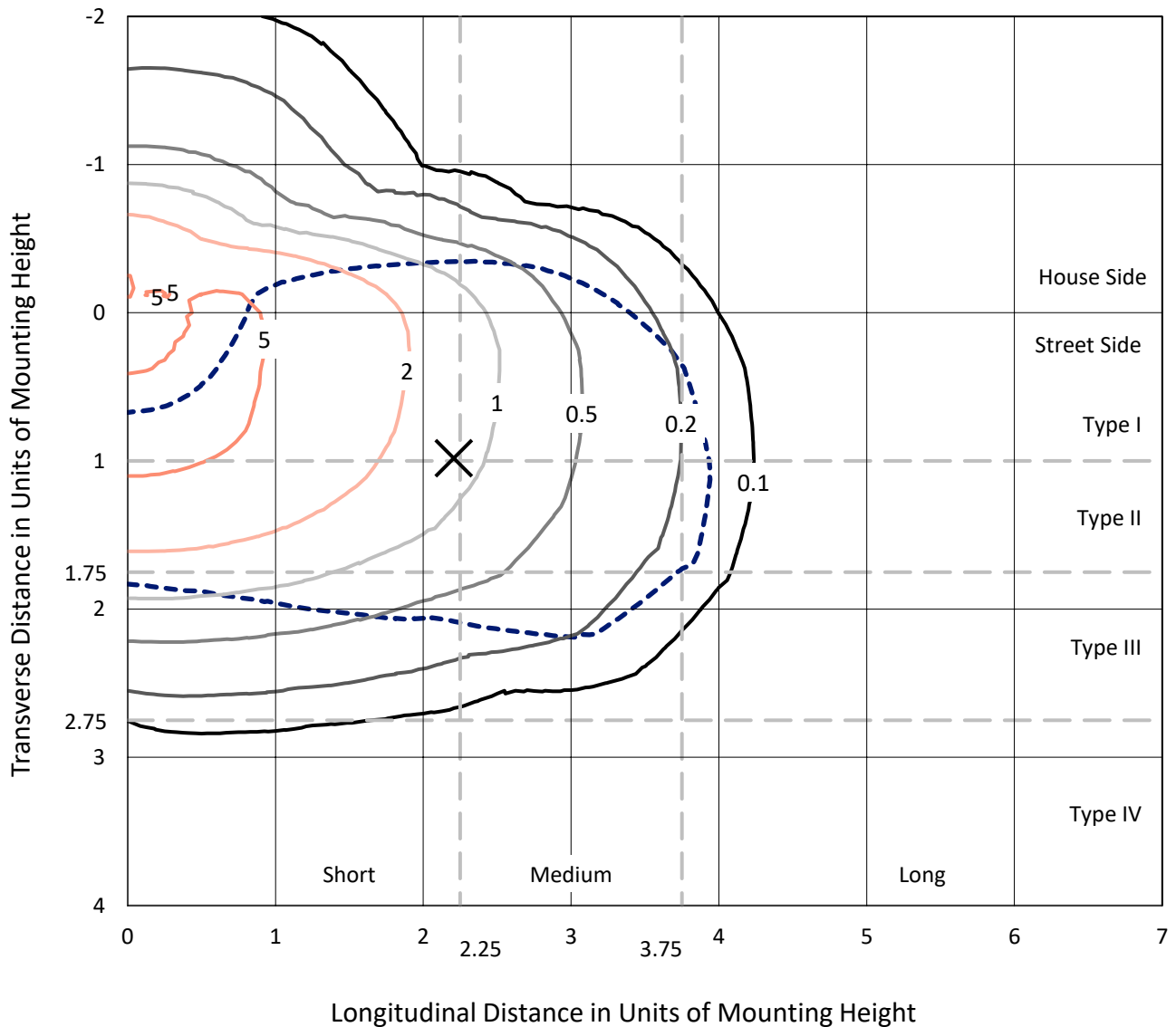
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

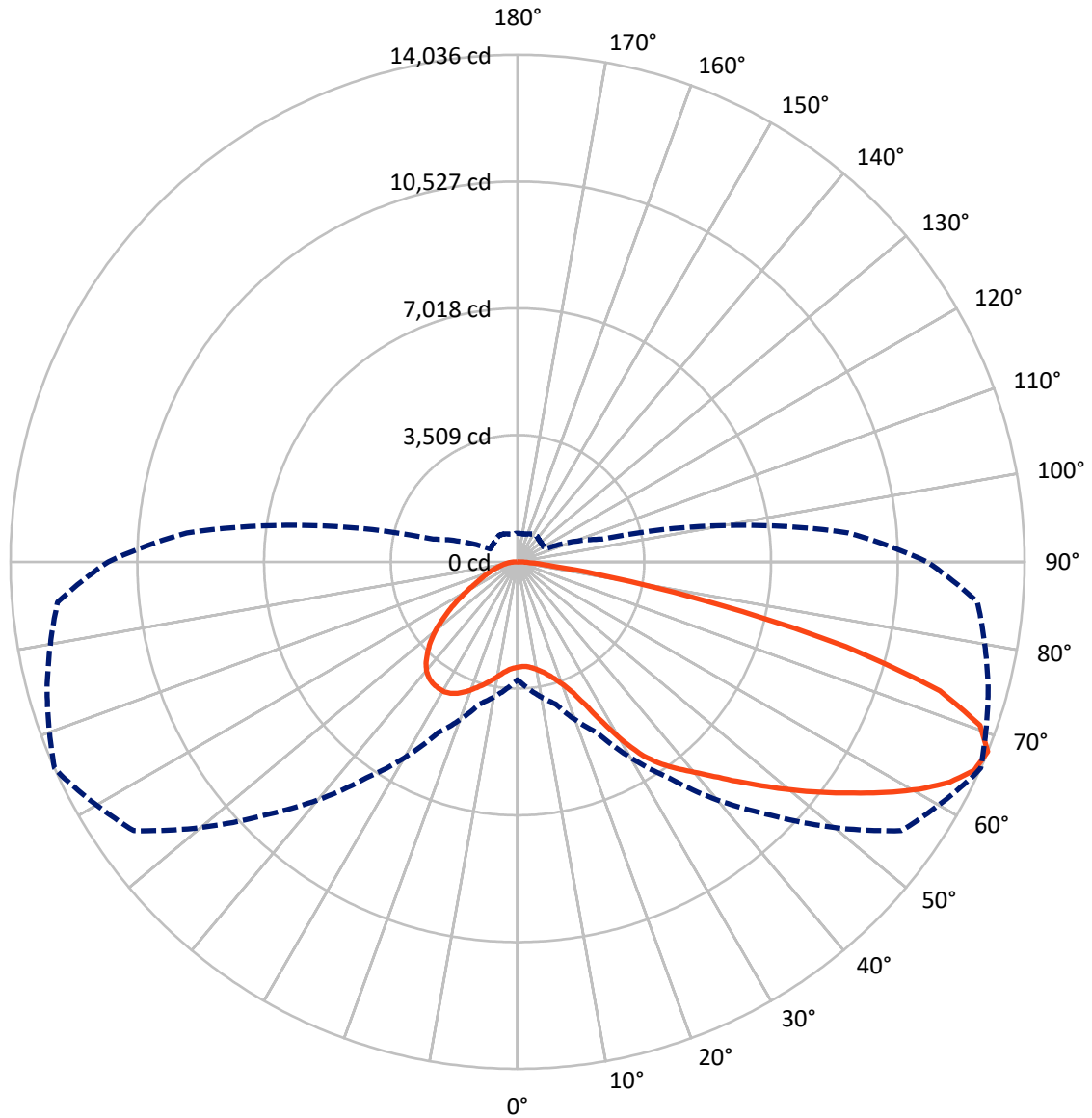
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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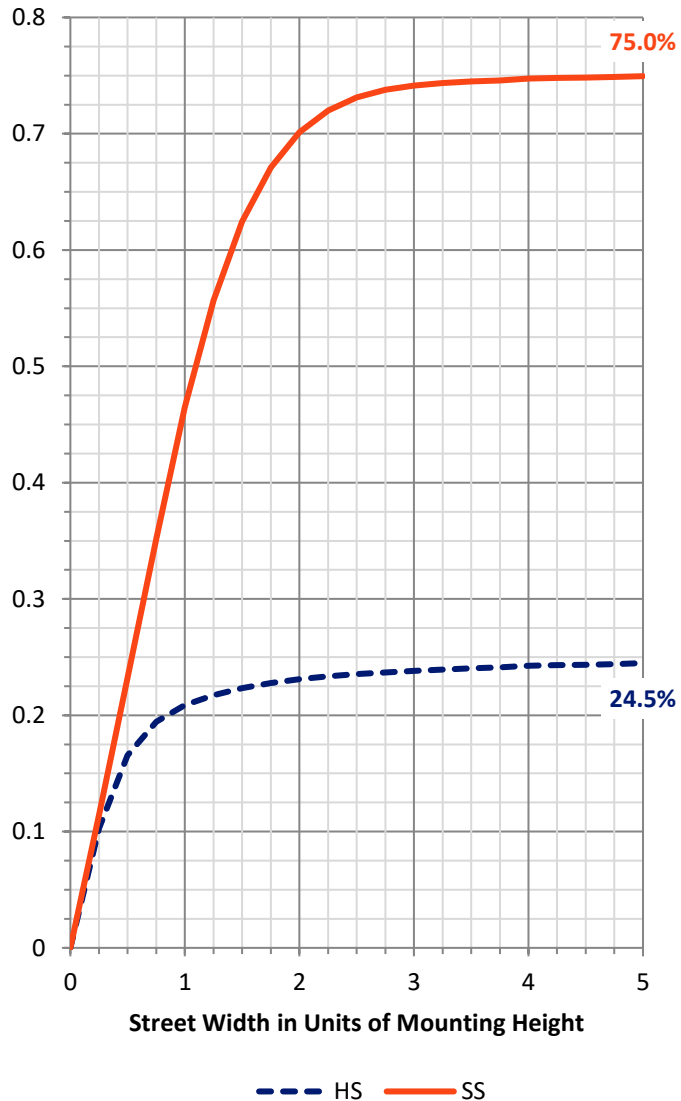
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6537.9	0.0	6537.9
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	19756.1	0.0	19756.1
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	26294.0	0.0	26294.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.1	1.1
10°-20°	955.3	3.6
20°-30°	1841.3	7.0
30°-40°	3228.4	12.3
40°-50°	4799.6	18.3
50°-60°	6084.0	23.1
60°-70°	5953.0	22.6
70°-80°	2839.7	10.8
80°-90°	303.5	1.2
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°	26294.0	100.0
0°-180°	26294.0	100.0

**Coefficient of Utilization**



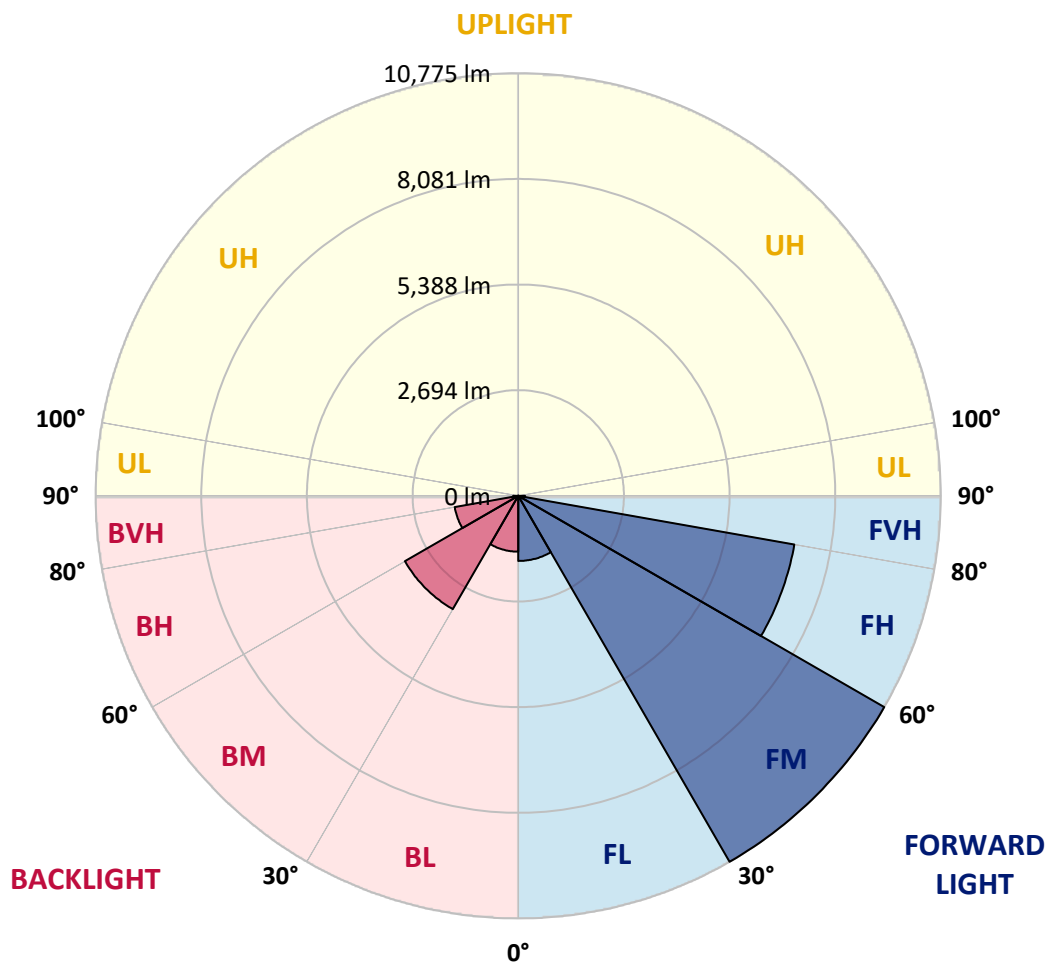
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1661.5	6.3			
FM (30°-60°)	10775.1	41.0			
FH (60°-80°)	7147.4	27.2			G3/7500
FVH (80°-90°)	172.1	0.7			G2/225
BL (0°-30°)	1424.2	5.4	B3/2500		
BM (30°-60°)	3337.0	12.7	B3/5000		
BH (60°-80°)	1645.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	131.4	0.5			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2916.4	2916.4	2916.4	2916.4	2916.4	2916.4	2916.4	2916.4	2916.4	2916.4
2.5°	2886.0	2902.5	2898.4	2891.5	2890.1	2892.9	2897.0	2901.2	2899.8	2906.7
5°	2877.7	2894.2	2892.9	2892.9	2898.4	2909.4	2916.4	2923.3	2916.4	2924.6
7.5°	2883.2	2895.6	2901.2	2906.7	2920.5	2941.2	2957.8	2973.0	2964.7	2974.4
10°	2953.7	2963.3	2968.8	2968.8	2978.5	3002.0	3018.6	3046.2	3039.3	3054.5
12.5°	3082.1	3091.8	3091.8	3086.3	3093.2	3108.4	3113.9	3144.3	3131.9	3156.7
15°	3239.6	3259.0	3243.8	3234.1	3236.9	3252.1	3250.7	3274.2	3261.7	3282.5
17.5°	3413.7	3438.6	3413.7	3412.3	3406.8	3423.4	3424.7	3445.5	3423.4	3438.6
20°	3619.5	3654.1	3633.4	3640.3	3627.8	3634.7	3641.6	3672.0	3637.5	3648.5
22.5°	3909.7	3951.1	3929.0	3955.2	3947.0	3941.4	3940.0	3993.9	3940.0	3944.2
25°	4332.4	4382.1	4343.4	4379.4	4379.4	4397.3	4418.0	4487.1	4397.3	4371.1
27.5°	4956.8	5006.6	4930.6	4952.7	4945.8	4990.0	4967.9	5139.2	5042.5	4999.7
30°	5708.4	5796.8	5653.1	5647.6	5640.7	5711.1	5742.9	5856.2	5758.1	5715.3
32.5°	6520.7	6613.3	6441.9	6392.2	6366.0	6408.8	6382.5	6473.7	6406.0	6339.7
35°	7380.0	7471.2	7308.1	7211.4	7106.4	7016.7	6922.7	6946.2	6882.6	6781.8
37.5°	8192.3	8359.5	8186.8	8083.2	7889.8	7714.3	7451.8	7342.7	7283.3	7190.7
40°	9019.8	9115.2	8983.9	8895.5	8685.5	8410.6	7990.6	7759.9	7679.8	7590.0
42.5°	9629.1	9720.3	9649.8	9589.0	9424.6	9105.5	8562.6	8273.8	8157.8	8056.9
45°	10112.6	10180.3	10136.1	10158.2	10087.7	9778.3	9155.2	8825.0	8704.8	8581.9
47.5°	10307.4	10379.2	10449.7	10580.9	10701.1	10473.2	9792.1	9421.8	9294.7	9169.0
50°	10285.3	10358.5	10563.0	10842.0	11215.0	11139.1	10463.5	10057.3	9939.9	9796.2
52.5°	10108.5	10191.3	10453.8	10918.0	11512.1	11637.8	11147.3	10713.6	10603.0	10431.7
55°	9644.3	9694.0	10087.7	10745.3	11582.5	11985.9	11817.4	11412.6	11302.1	11063.1
57.5°	8783.6	8855.4	9428.8	10279.8	11405.7	12222.2	12405.9	12147.6	12041.2	11697.2
60°	7660.4	7775.1	8431.3	9497.8	10955.3	12220.8	12940.5	12870.1	12781.7	12321.6
62.5°	6389.4	6522.1	7153.4	8392.6	10167.9	11874.0	13274.9	13475.2	13429.6	12897.7
65°	4907.1	4998.3	5626.9	6962.8	8942.5	11129.4	13313.5	13888.2	13896.5	13335.6
67.5°	3267.3	3529.7	4075.4	5224.8	7301.2	9912.3	12973.7	13955.9	14036.1	13486.2
70°	1594.3	1939.6	2474.3	3395.7	5224.8	8045.9	12085.4	13400.6	13578.8	13046.9
72.5°	661.7	773.6	1065.1	1675.8	2999.2	5429.3	10300.5	11894.7	12224.9	11560.4
75°	446.2	483.5	609.2	859.3	1366.3	2677.4	7428.3	8869.2	9401.1	8731.1
77.5°	344.0	367.5	443.5	601.0	812.3	1012.6	3976.0	5345.0	5620.0	5202.7
80°	270.8	288.7	331.6	437.9	576.1	541.5	1355.3	2421.8	2580.6	2164.8
82.5°	234.9	241.8	237.6	297.0	382.7	316.4	444.8	893.8	986.4	715.6
85°	169.9	189.3	197.6	183.7	203.1	160.3	182.4	316.4	348.1	310.8
87.5°	69.1	102.2	125.7	118.8	74.6	45.6	56.6	92.6	106.4	116.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2916.4	0°	2916.4	2916.4	2916.4	2916.4	2916.4	2916.4	2916.4	2916.4	2916.4	2916.4
2917.7	2.5°	2919.1	2928.8	2935.7	2944.0	2949.5	2957.8	2974.4	2984.0	2985.4	2992.3
2939.8	5°	2945.4	2959.2	2974.4	2996.5	3021.3	3042.1	3073.8	3095.9	3104.2	3111.1
2993.7	7.5°	3002.0	3021.3	3049.0	3087.7	3123.6	3151.2	3189.9	3216.1	3242.4	3252.1
3079.4	10°	3086.3	3113.9	3154.0	3206.5	3245.1	3281.1	3321.1	3343.2	3369.5	3380.5
3181.6	12.5°	3191.3	3220.3	3272.8	3346.0	3381.9	3406.8	3420.6	3415.1	3420.6	3430.3
3304.6	15°	3311.5	3343.2	3402.6	3481.4	3506.3	3484.1	3453.8	3426.1	3422.0	3424.7
3453.8	17.5°	3453.8	3477.2	3546.3	3612.6	3594.7	3503.5	3437.2	3393.0	3370.9	3364.0
3644.4	20°	3652.7	3652.7	3709.3	3750.8	3630.6	3475.9	3372.2	3300.4	3254.8	3235.5
3904.1	22.5°	3894.5	3872.4	3908.3	3879.3	3623.7	3398.5	3254.8	3130.5	3061.4	3033.8
4267.5	25°	4201.1	4174.9	4165.2	3985.6	3573.9	3275.5	3042.1	2891.5	2830.7	2815.5
4791.1	27.5°	4664.0	4597.6	4471.9	4043.7	3482.8	3082.1	2793.4	2653.9	2619.3	2620.7
5463.8	30°	5280.1	5147.5	4839.4	4053.3	3333.6	2808.6	2539.2	2439.7	2423.2	2430.1
6028.9	32.5°	5850.7	5724.9	5215.2	4009.1	3104.2	2540.6	2311.3	2244.9	2220.1	2228.4
6459.9	35°	6298.3	6263.7	5563.3	3947.0	2822.4	2289.1	2106.8	2050.1	2001.8	1990.7
6866.1	37.5°	6721.0	6707.2	5824.4	3859.9	2543.3	2110.9	1942.4	1867.8	1797.3	1758.7
7315.1	40°	7185.2	7171.4	5995.7	3725.9	2296.1	1956.2	1794.6	1696.5	1609.5	1539.0
7823.4	42.5°	7707.4	7625.9	6077.2	3533.9	2086.1	1825.0	1674.4	1541.8	1427.1	1362.2
8398.2	45°	8278.0	8094.2	6075.8	3289.4	1909.2	1704.8	1545.9	1358.0	1251.6	1190.9
8988.1	47.5°	8883.1	8541.8	6001.2	3018.6	1737.9	1572.2	1347.0	1203.3	1132.8	1095.5
9629.1	50°	9507.5	8960.4	5874.1	2707.7	1562.5	1421.6	1222.6	1124.5	1070.7	1036.1
10264.6	52.5°	10094.6	9340.3	5720.8	2355.5	1384.3	1275.1	1167.4	1091.4	1034.7	996.1
10880.7	55°	10640.3	9667.8	5503.9	1994.9	1239.2	1177.0	1141.1	1077.6	1012.6	967.1
11506.5	57.5°	11125.2	9880.5	5129.5	1656.4	1135.6	1109.3	1113.5	1054.1	979.5	940.8
12122.7	60°	11528.6	10036.6	4575.5	1342.8	1051.3	1043.0	1070.7	1009.9	922.8	878.6
12643.5	62.5°	11770.4	10033.9	3895.8	1099.7	979.5	982.2	1014.0	954.6	866.2	824.8
12915.7	65°	11749.7	9787.9	3149.8	940.8	910.4	913.2	954.6	893.8	819.2	794.4
12778.9	67.5°	11333.8	9188.4	2416.2	837.2	834.4	846.9	895.2	852.4	790.2	787.5
11963.8	70°	10207.9	7943.6	1740.7	754.3	755.7	773.6	837.2	826.1	775.0	780.5
10058.7	72.5°	8185.4	6056.5	1168.8	667.3	668.6	697.7	781.9	805.4	759.8	833.0
7136.8	75°	5451.4	3777.0	751.5	574.7	576.1	613.4	733.6	765.4	718.4	830.3
3713.5	77.5°	2619.3	1697.9	544.3	483.5	483.5	518.1	634.1	685.2	612.0	645.2
1193.6	80°	904.9	638.3	428.3	389.6	381.3	404.8	534.6	594.0	527.7	486.3
389.6	82.5°	356.4	331.6	344.0	302.5	274.9	290.1	415.8	490.4	388.2	350.9
219.7	85°	204.5	215.5	243.1	200.3	158.9	178.2	305.3	352.3	292.9	258.3
71.8	87.5°	55.3	76.0	111.9	103.6	71.8	76.0	145.1	194.8	168.5	129.9
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°
2916.4
2991.0
3109.8
3253.4
3386.1
3433.0
3434.4
3373.6
3231.3
3029.6
2818.3
2624.9
2453.5
2239.4
1999.0
1760.0
1545.9
1366.3
1188.1
1087.2
1023.7
979.5
949.1
915.9
859.3
812.3
793.0
791.6
779.2
844.1
837.2
591.3
455.9
349.5
263.9
134.0
0.0

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