

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: P850068

Luminaire Tested: **GLAN-SB7B-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850068
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-SB7B-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25806 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

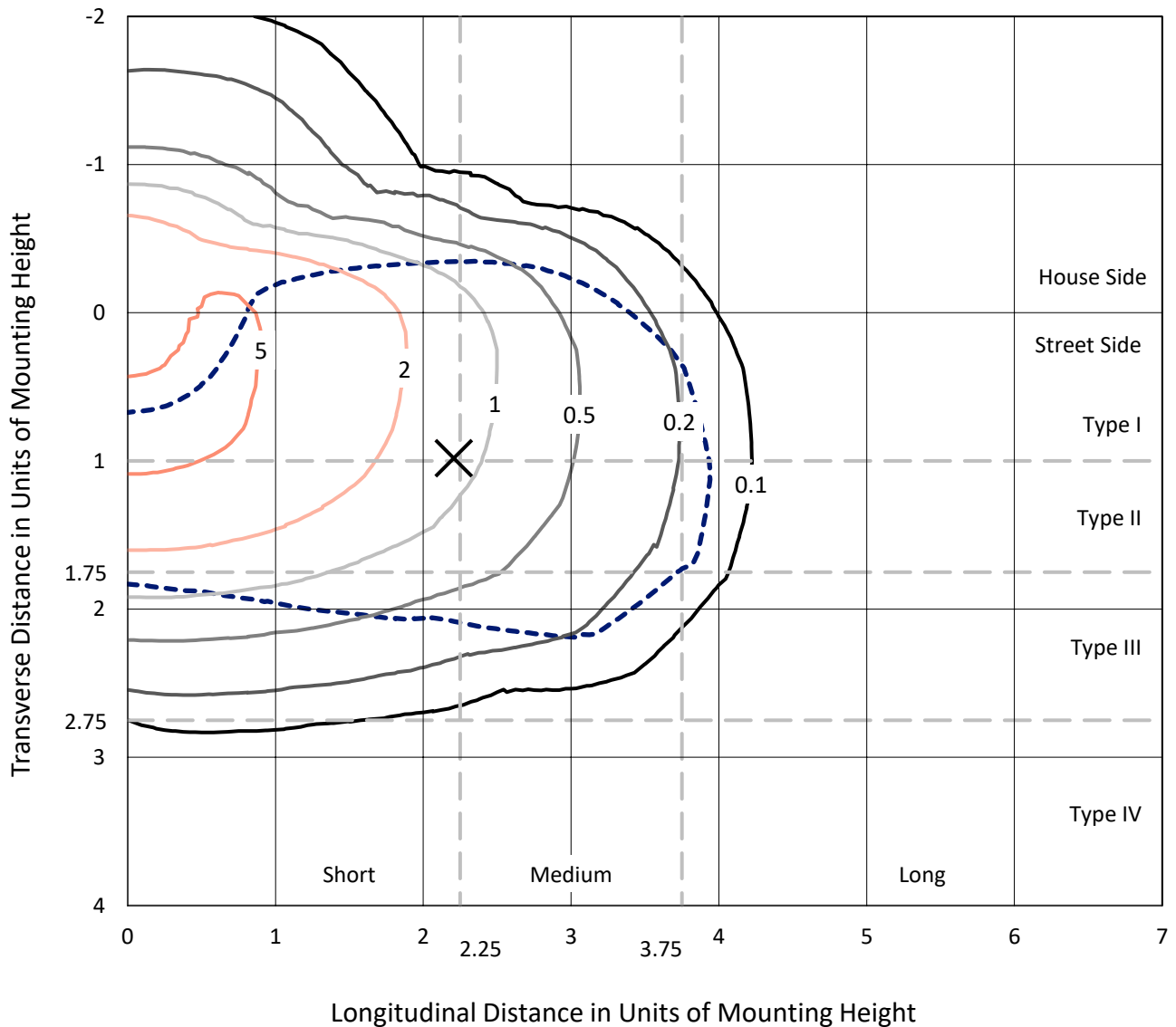
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

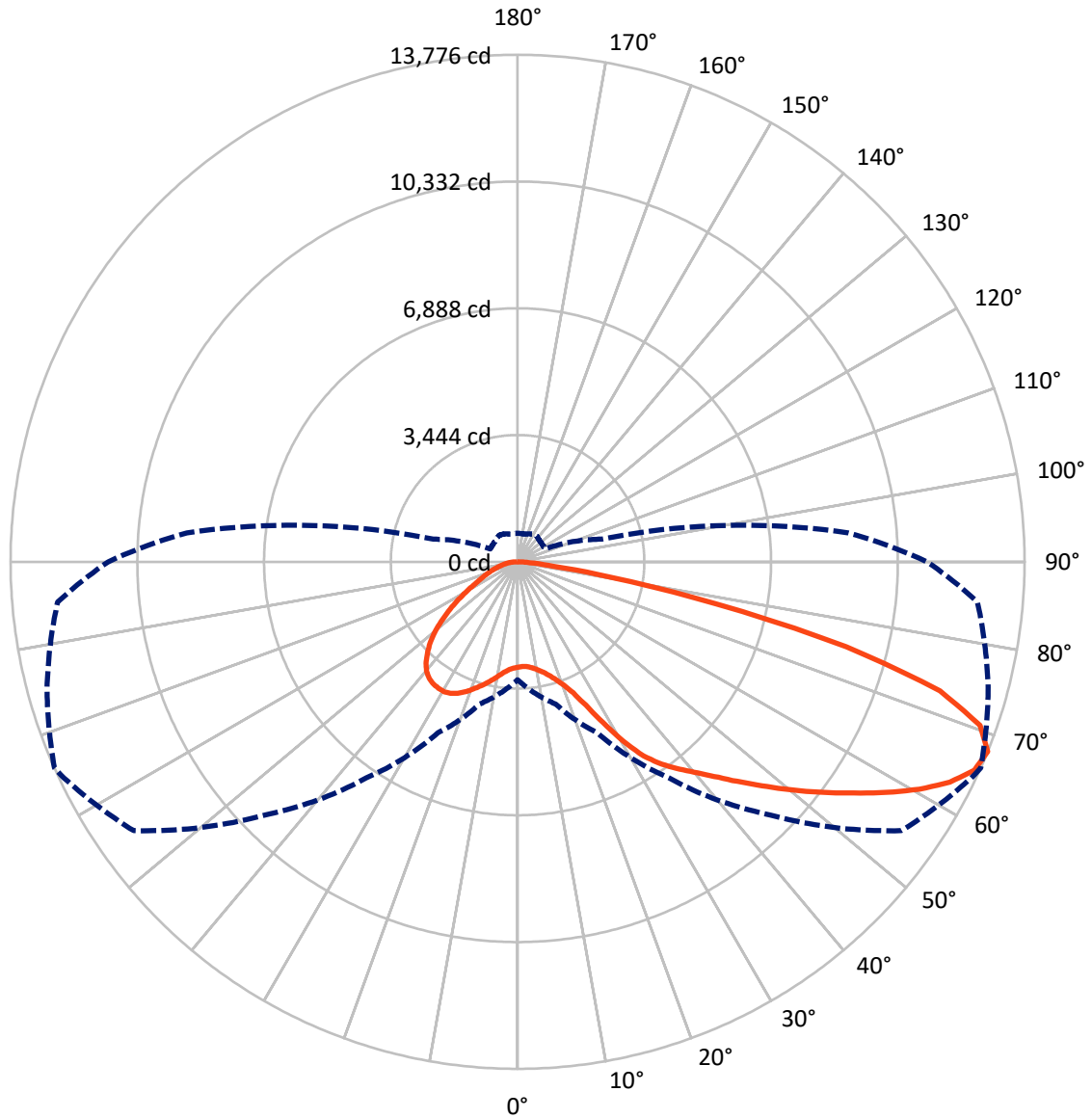
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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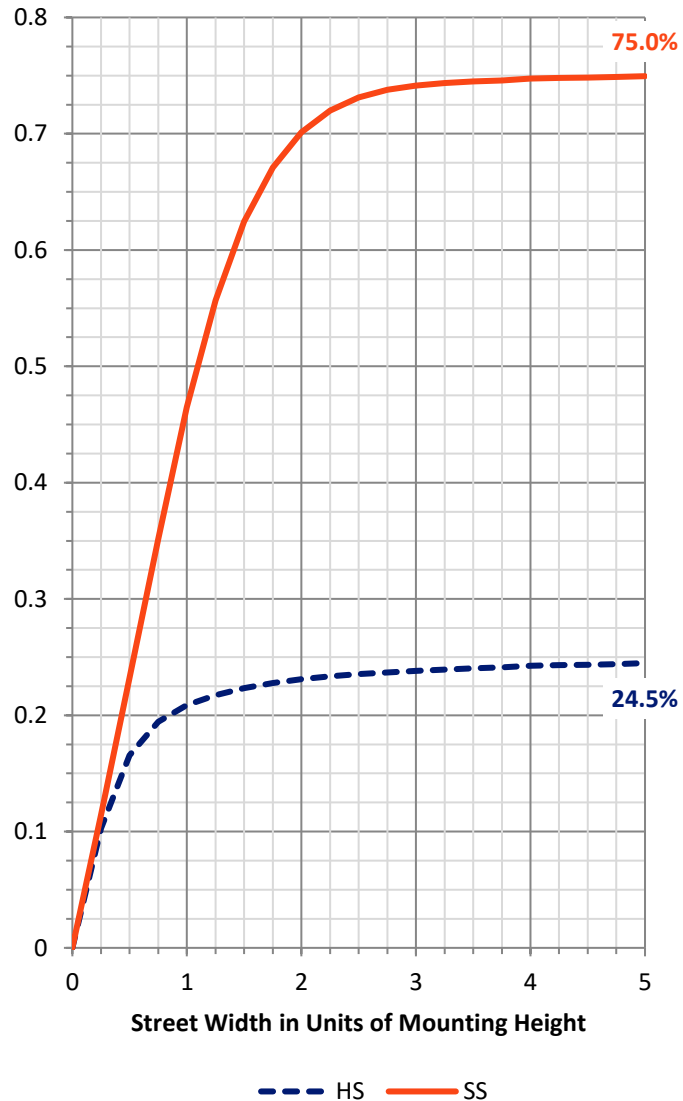
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6416.6	0.0	6416.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	19389.4	0.0	19389.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	25806.0	0.0	25806.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	283.8	1.1
10°-20°	937.6	3.6
20°-30°	1807.1	7.0
30°-40°	3168.5	12.3
40°-50°	4710.6	18.3
50°-60°	5971.1	23.1
60°-70°	5842.6	22.6
70°-80°	2787.0	10.8
80°-90°	297.8	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°	25806.0	100.0
0°-180°	25806.0	100.0

Coefficient of Utilization



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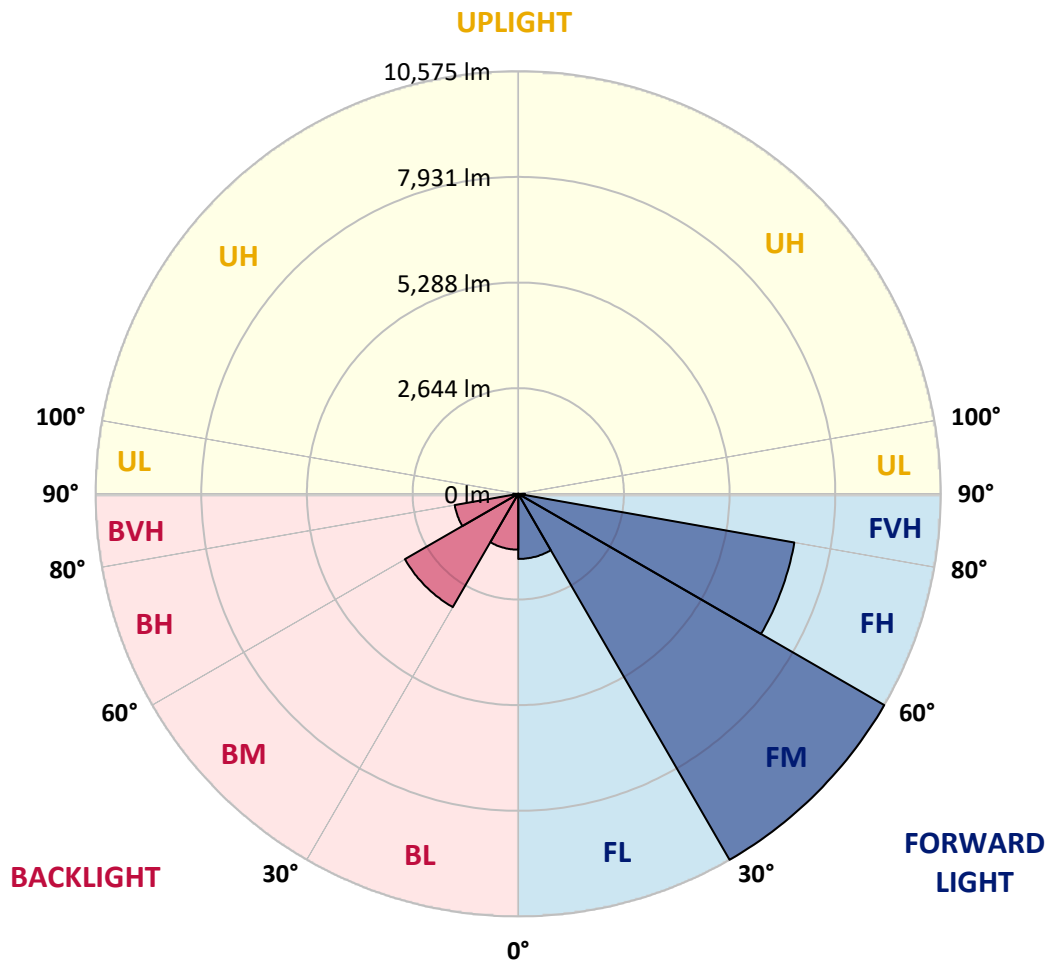
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1630.7	6.3			
FM (30°-60°)	10575.1	41.0			
FH (60°-80°)	7014.8	27.2			G3/7500
FVH (80°-90°)	168.9	0.7			G2/225
BL (0°-30°)	1397.8	5.4	B3/2500		
BM (30°-60°)	3275.1	12.7	B3/5000		
BH (60°-80°)	1614.7	6.3	B3/2500		G3/2500
BVH (80°-90°)	129.0	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°	2862.2	2862.2	2862.2	2862.2	2862.2	2862.2	2862.2	2862.2	2862.2	2862.2
2.5°	2832.4	2848.7	2844.6	2837.8	2836.5	2839.2	2843.2	2847.3	2846.0	2852.7
5°	2824.3	2840.5	2839.2	2839.2	2844.6	2855.4	2862.2	2869.0	2862.2	2870.4
7.5°	2829.7	2841.9	2847.3	2852.7	2866.3	2886.6	2902.9	2917.8	2909.7	2919.2
10°	2898.8	2908.3	2913.7	2913.7	2923.2	2946.3	2962.6	2989.7	2982.9	2997.8
12.5°	3024.9	3034.4	3034.4	3029.0	3035.8	3050.7	3056.1	3085.9	3073.7	3098.1
15°	3179.5	3198.5	3183.6	3174.1	3176.8	3191.7	3190.3	3213.4	3201.2	3221.5
17.5°	3350.3	3374.7	3350.3	3349.0	3343.6	3359.8	3361.2	3381.5	3359.8	3374.7
20°	3552.4	3586.3	3565.9	3572.7	3560.5	3567.3	3574.1	3603.9	3570.0	3580.8
22.5°	3837.1	3877.8	3856.1	3881.8	3873.7	3868.3	3866.9	3919.8	3866.9	3871.0
25°	4252.0	4300.8	4262.8	4298.1	4298.1	4315.7	4336.0	4403.8	4315.7	4289.9
27.5°	4864.8	4913.6	4839.1	4860.8	4854.0	4897.4	4875.7	5043.8	4948.9	4906.9
30°	5602.4	5689.2	5548.2	5542.8	5536.0	5605.1	5636.3	5747.5	5651.2	5609.2
32.5°	6399.7	6490.5	6322.4	6273.6	6247.8	6289.8	6264.1	6353.6	6287.1	6222.1
35°	7243.0	7332.5	7172.5	7077.6	6974.6	6886.4	6794.2	6817.3	6754.9	6655.9
37.5°	8040.3	8204.3	8034.8	7933.2	7743.3	7571.1	7313.5	7206.4	7148.1	7057.3
40°	8852.4	8946.0	8817.2	8730.4	8524.3	8254.5	7842.3	7615.9	7537.2	7449.1
42.5°	9450.4	9539.9	9470.7	9411.0	9249.7	8936.5	8403.6	8120.3	8006.4	7907.4
45°	9924.9	9991.4	9948.0	9969.7	9900.5	9596.8	8985.3	8661.3	8543.3	8422.6
47.5°	10116.1	10186.6	10255.7	10384.6	10502.5	10278.8	9610.4	9247.0	9122.2	8998.9
50°	10094.4	10166.3	10366.9	10640.8	11006.9	10932.3	10269.3	9870.7	9755.4	9614.4
52.5°	9920.8	10002.2	10259.8	10715.4	11298.4	11421.8	10940.5	10514.7	10406.2	10238.1
55°	9465.3	9514.1	9900.5	10545.9	11367.6	11763.5	11598.1	11200.8	11092.3	10857.7
57.5°	8620.6	8691.1	9253.8	10089.0	11194.0	11995.3	12175.6	11922.1	11817.7	11480.1
60°	7518.3	7630.8	8274.8	9321.6	10752.0	11994.0	12700.4	12631.2	12544.4	12092.9
62.5°	6270.9	6401.0	7020.7	8236.9	9979.2	11653.6	13028.5	13225.1	13180.3	12658.3
65°	4816.0	4905.5	5522.4	6833.5	8776.5	10922.8	13066.5	13630.5	13638.6	13088.1
67.5°	3206.6	3464.2	3999.8	5127.9	7165.7	9728.3	12732.9	13696.9	13775.6	13235.9
70°	1564.7	1903.6	2428.4	3332.7	5127.9	7896.5	11861.1	13151.9	13326.8	12804.8
72.5°	649.5	759.3	1045.4	1644.7	2943.6	5328.5	10109.3	11674.0	11998.0	11345.9
75°	437.9	474.6	597.9	843.3	1340.9	2627.7	7290.5	8704.6	9226.6	8569.1
77.5°	337.6	360.7	435.2	589.8	797.2	993.8	3902.2	5245.8	5515.6	5106.2
80°	265.7	283.4	325.4	429.8	565.4	531.5	1330.1	2376.8	2532.8	2124.6
82.5°	230.5	237.3	233.2	291.5	375.6	310.5	436.6	877.2	968.1	702.3
85°	166.8	185.8	193.9	180.3	199.3	157.3	179.0	310.5	341.7	305.1
87.5°	67.8	100.3	123.4	116.6	73.2	44.7	55.6	90.8	104.4	113.9
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°
2862.2	0°	2862.2	2862.2	2862.2	2862.2	2862.2	2862.2	2862.2	2862.2	2862.2	2862.2
2863.6	2.5°	2864.9	2874.4	2881.2	2889.3	2894.8	2902.9	2919.2	2928.7	2930.0	2936.8
2885.3	5°	2890.7	2904.3	2919.2	2940.9	2965.3	2985.6	3016.8	3038.5	3046.6	3053.4
2938.2	7.5°	2946.3	2965.3	2992.4	3030.4	3065.6	3092.7	3130.7	3156.4	3182.2	3191.7
3022.2	10°	3029.0	3056.1	3095.4	3147.0	3184.9	3220.2	3259.5	3281.2	3306.9	3317.8
3122.6	12.5°	3132.0	3160.5	3212.0	3283.9	3319.2	3343.6	3357.1	3351.7	3357.1	3366.6
3243.2	15°	3250.0	3281.2	3339.5	3416.8	3441.2	3419.5	3389.7	3362.5	3358.5	3361.2
3389.7	17.5°	3389.7	3412.7	3480.5	3545.6	3528.0	3438.5	3373.4	3330.0	3308.3	3301.5
3576.8	20°	3584.9	3584.9	3640.5	3681.2	3563.2	3411.4	3309.7	3239.2	3194.4	3175.4
3831.7	22.5°	3822.2	3800.5	3835.7	3807.3	3556.4	3335.4	3194.4	3072.4	3004.6	2977.5
4188.3	25°	4123.2	4097.4	4087.9	3911.7	3507.6	3214.8	2985.6	2837.8	2778.2	2763.2
4702.1	27.5°	4577.4	4512.3	4388.9	3968.6	3418.1	3024.9	2741.6	2604.6	2570.7	2572.1
5362.4	30°	5182.1	5051.9	4749.6	3978.1	3271.7	2756.5	2492.1	2394.5	2378.2	2385.0
5917.0	32.5°	5742.1	5618.7	5118.4	3934.7	3046.6	2493.4	2268.4	2203.3	2178.9	2187.0
6340.0	35°	6181.4	6147.5	5460.1	3873.7	2770.0	2246.7	2067.7	2012.1	1964.6	1953.8
6738.6	37.5°	6596.3	6582.7	5716.3	3788.3	2496.1	2071.8	1906.3	1833.1	1764.0	1726.0
7179.3	40°	7051.8	7038.3	5884.4	3656.8	2253.4	1919.9	1761.3	1665.0	1579.6	1510.4
7678.3	42.5°	7564.4	7484.4	5964.4	3468.3	2047.4	1791.1	1643.3	1513.1	1400.6	1336.9
8242.3	45°	8124.3	7944.0	5963.1	3228.3	1873.8	1673.1	1517.2	1332.8	1228.4	1168.8
8821.2	47.5°	8718.2	8383.3	5889.9	2962.6	1705.7	1543.0	1322.0	1181.0	1111.8	1075.2
9450.4	50°	9331.0	8794.1	5765.1	2657.5	1533.5	1395.2	1199.9	1103.7	1050.8	1016.9
10074.1	52.5°	9907.3	9167.0	5614.6	2311.7	1358.6	1251.5	1145.7	1071.1	1015.5	977.6
10678.8	55°	10442.9	9488.3	5401.8	1957.9	1216.2	1155.2	1119.9	1057.6	993.8	949.1
11293.0	57.5°	10918.8	9697.1	5034.3	1625.7	1114.5	1088.8	1092.8	1034.5	961.3	923.3
11897.7	60°	11314.7	9850.3	4490.6	1317.9	1031.8	1023.7	1050.8	991.1	905.7	862.3
12408.9	62.5°	11552.0	9847.6	3823.5	1079.3	961.3	964.0	995.2	936.9	850.1	809.5
12676.0	65°	11531.6	9606.3	3091.4	923.3	893.5	896.2	936.9	877.2	804.0	779.6
12541.7	67.5°	11123.5	9017.8	2371.4	821.7	818.9	831.1	878.6	836.6	775.6	772.8
11741.8	70°	10018.5	7796.2	1708.4	740.3	741.7	759.3	821.7	810.8	760.6	766.1
9872.0	72.5°	8033.5	5944.1	1147.1	654.9	656.2	684.7	767.4	790.5	745.7	817.6
7004.4	75°	5350.2	3706.9	737.6	564.0	565.4	602.0	720.0	751.1	705.0	814.9
3644.6	77.5°	2570.7	1666.4	534.2	474.6	474.6	508.4	622.3	672.5	600.6	633.2
1171.5	80°	888.1	626.4	420.3	382.4	374.2	397.3	524.7	583.0	517.9	477.3
382.4	82.5°	349.8	325.4	337.6	296.9	269.8	284.7	408.1	481.3	381.0	344.4
215.6	85°	200.7	211.5	238.6	196.6	155.9	174.9	299.6	345.7	287.4	253.5
70.5	87.5°	54.2	74.6	109.8	101.7	70.5	74.6	142.4	191.2	165.4	127.5
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°
2862.2
2935.4
3052.0
3193.1
3323.2
3369.3
3370.7
3311.0
3171.4
2973.4
2766.0
2576.1
2408.0
2197.9
1961.9
1727.4
1517.2
1340.9
1166.0
1067.1
1004.7
961.3
931.5
898.9
843.3
797.2
778.3
776.9
764.7
828.4
821.7
580.3
447.4
343.0
259.0
131.5
0.0

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