

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: P848698

Luminaire Tested: **GLAN-SB5B-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848698
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-SB5B-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24441 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

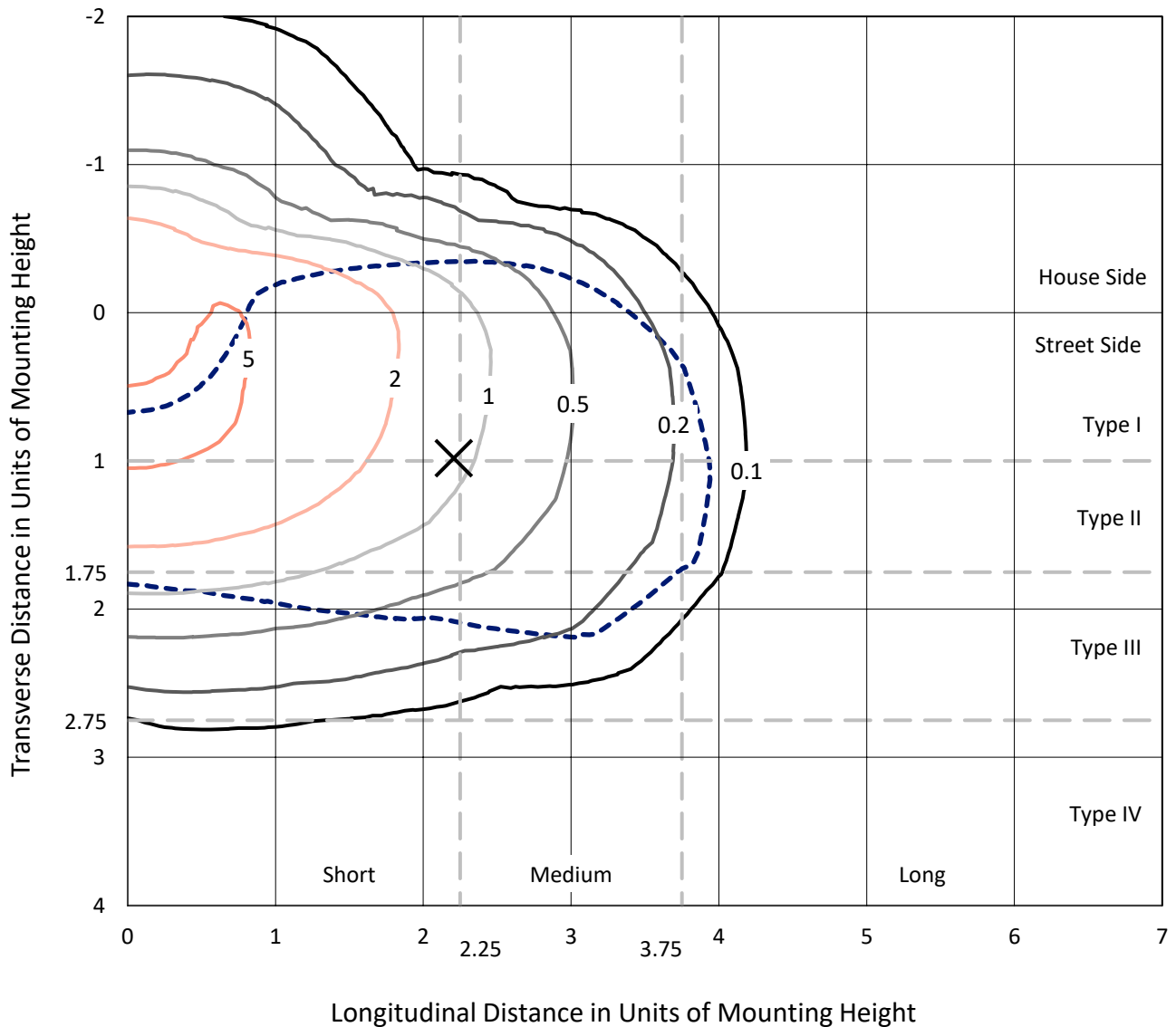
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

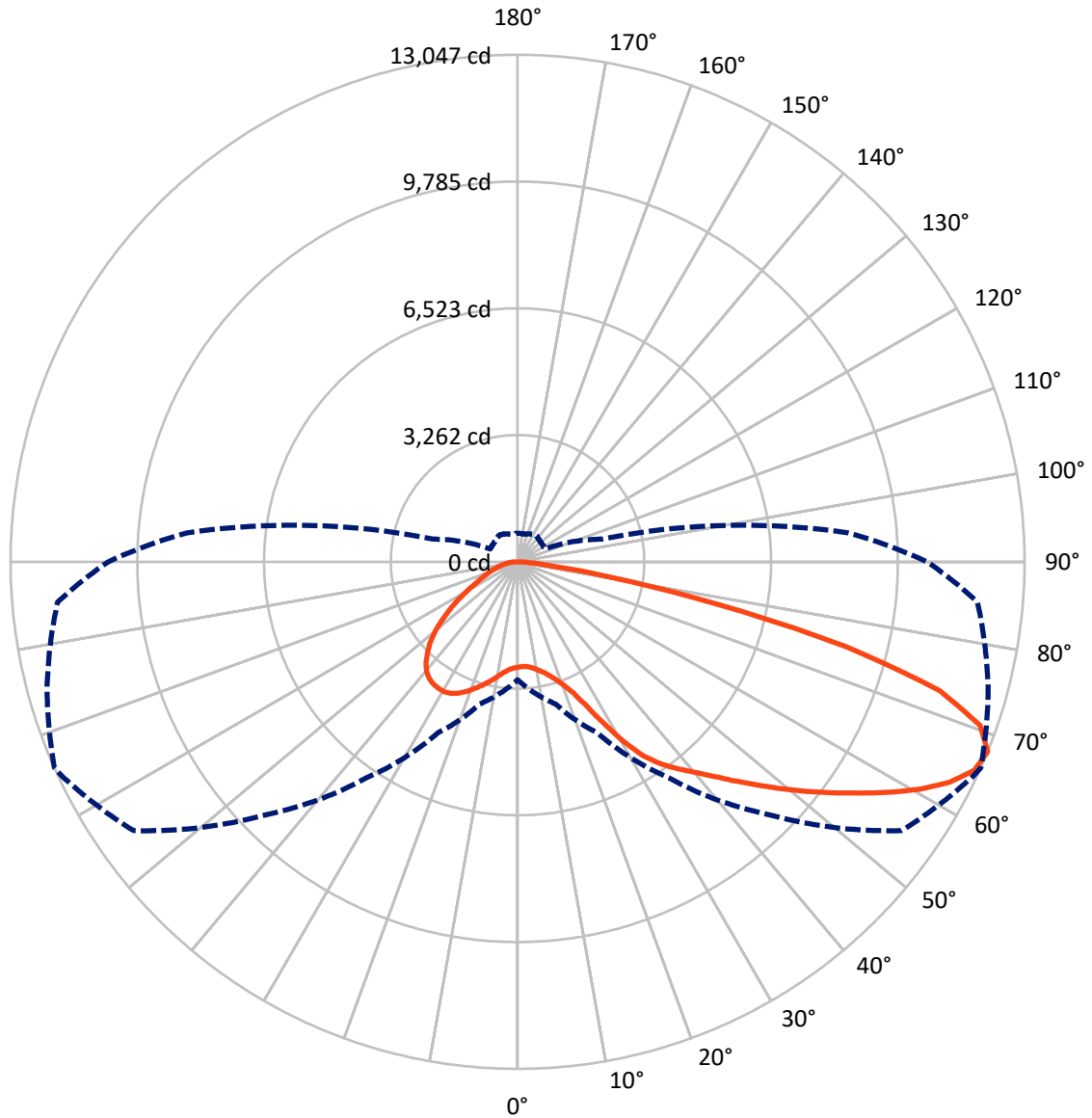
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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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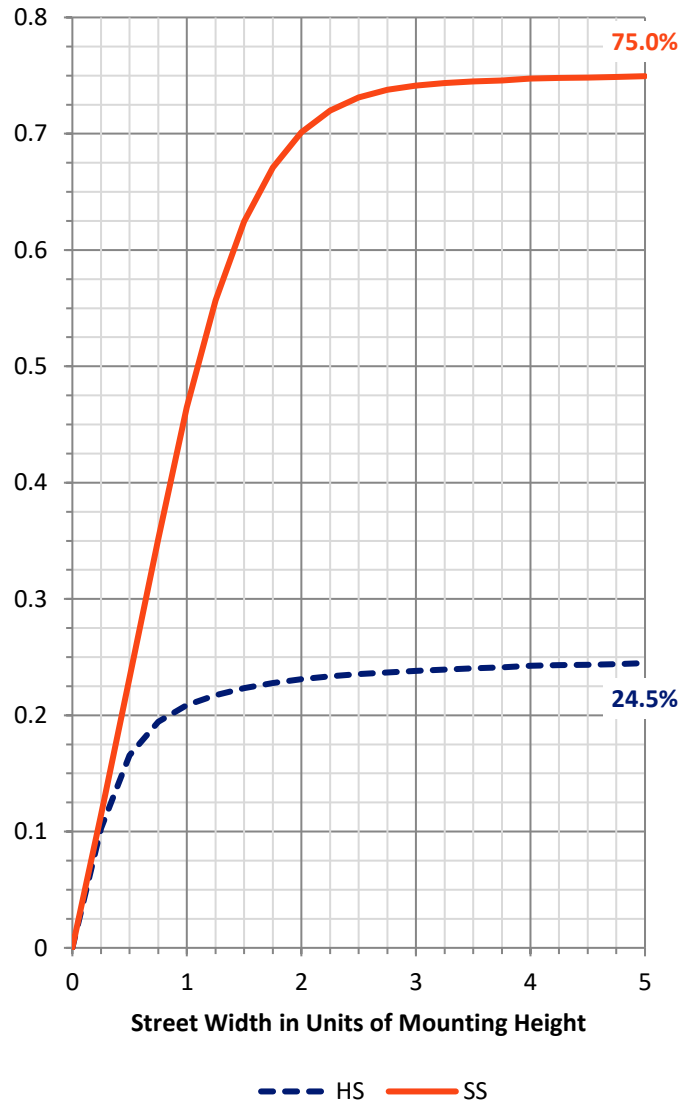
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6077.2	0.0	6077.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	18363.8	0.0	18363.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	24441.0	0.0	24441.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.8	1.1
10°-20°	888.0	3.6
20°-30°	1711.5	7.0
30°-40°	3000.9	12.3
40°-50°	4461.4	18.3
50°-60°	5655.3	23.1
60°-70°	5533.5	22.6
70°-80°	2639.6	10.8
80°-90°	282.1	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°	24441.0	100.0
0°-180°	24441.0	100.0

Coefficient of Utilization



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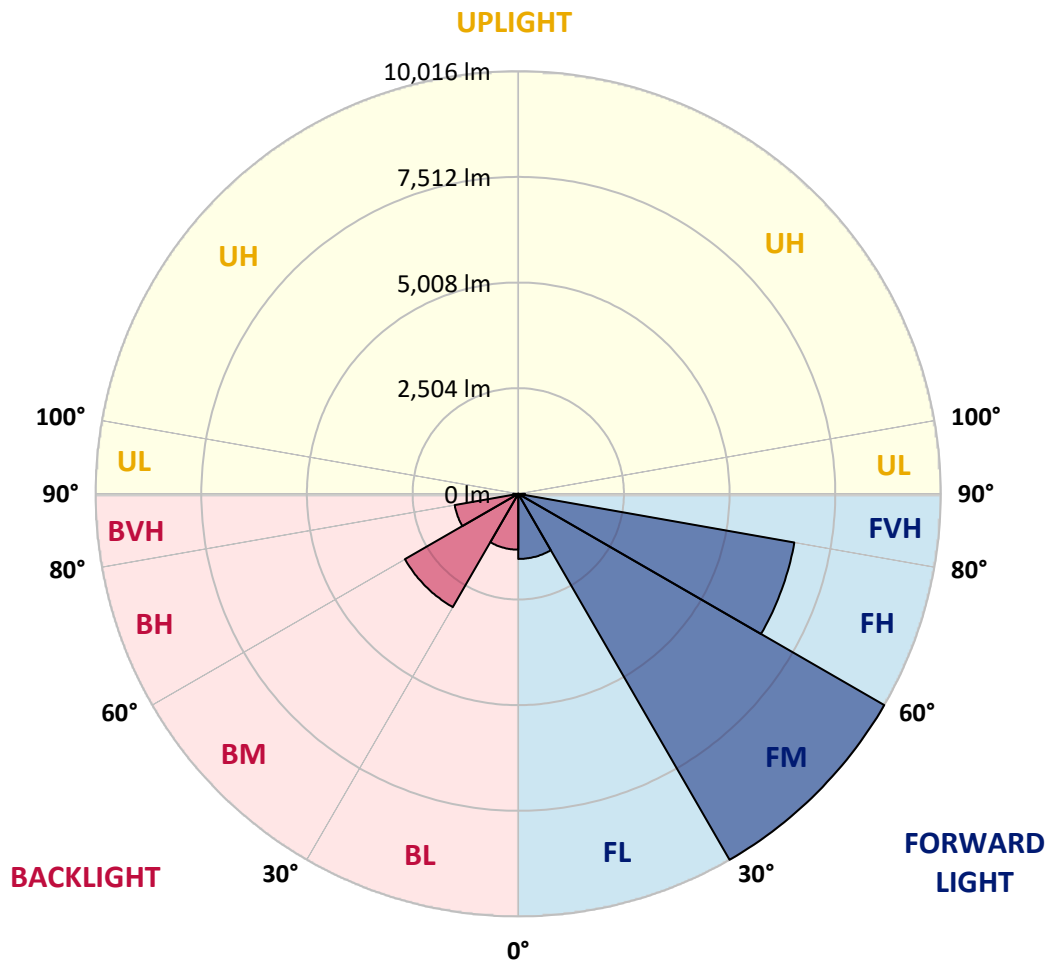
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1544.4	6.3			
FM (30°-60°)	10015.7	41.0			
FH (60°-80°)	6643.7	27.2			G3/7500
FVH (80°-90°)	159.9	0.7			G2/225
BL (0°-30°)	1323.8	5.4	B3/2500		
BM (30°-60°)	3101.9	12.7	B3/5000		
BH (60°-80°)	1529.3	6.3	B3/2500		G3/2500
BVH (80°-90°)	122.2	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°	2710.8	2710.8	2710.8	2710.8	2710.8	2710.8	2710.8	2710.8	2710.8	2710.8
2.5°	2682.6	2698.0	2694.1	2687.7	2686.4	2689.0	2692.9	2696.7	2695.4	2701.8
5°	2674.9	2690.3	2689.0	2689.0	2694.1	2704.4	2710.8	2717.3	2710.8	2718.5
7.5°	2680.0	2691.6	2696.7	2701.8	2714.7	2733.9	2749.4	2763.5	2755.8	2764.8
10°	2745.5	2754.5	2759.6	2759.6	2768.6	2790.4	2805.9	2831.5	2825.1	2839.2
12.5°	2864.9	2873.9	2873.9	2868.8	2875.2	2889.3	2894.5	2922.7	2911.2	2934.3
15°	3011.3	3029.3	3015.2	3006.2	3008.8	3022.9	3021.6	3043.4	3031.9	3051.1
17.5°	3173.1	3196.2	3173.1	3171.8	3166.7	3182.1	3183.4	3202.7	3182.1	3196.2
20°	3364.5	3396.6	3377.3	3383.7	3372.2	3378.6	3385.0	3413.3	3381.2	3391.4
22.5°	3634.1	3672.7	3652.1	3676.5	3668.8	3663.7	3662.4	3712.5	3662.4	3666.2
25°	4027.1	4073.3	4037.4	4070.7	4070.7	4087.4	4106.7	4170.9	4087.4	4063.0
27.5°	4607.5	4653.7	4583.1	4603.7	4597.2	4638.3	4617.8	4777.0	4687.1	4647.3
30°	5306.1	5388.3	5254.7	5249.6	5243.2	5308.7	5338.2	5443.5	5352.3	5312.5
32.5°	6061.2	6147.2	5988.0	5941.7	5917.3	5957.1	5932.7	6017.5	5954.6	5892.9
35°	6859.9	6944.7	6793.1	6703.2	6605.6	6522.2	6434.9	6456.7	6397.6	6303.9
37.5°	7615.0	7770.4	7609.8	7513.5	7333.8	7170.7	6926.7	6825.2	6770.0	6684.0
40°	8384.2	8472.8	8350.8	8268.6	8073.4	7817.9	7427.5	7213.0	7138.6	7055.1
42.5°	8950.5	9035.2	8969.8	8913.2	8760.4	8463.8	7959.1	7690.7	7582.9	7489.1
45°	9399.9	9462.9	9421.8	9442.3	9376.8	9089.2	8510.0	8203.1	8091.4	7977.1
47.5°	9581.0	9647.8	9713.3	9835.3	9947.0	9735.1	9102.0	8757.9	8639.7	8522.9
50°	9560.5	9628.5	9818.6	10078.0	10424.7	10354.1	9726.1	9348.6	9239.4	9105.9
52.5°	9396.1	9473.1	9717.1	10148.6	10700.8	10817.6	10361.8	9958.5	9855.8	9696.6
55°	8964.6	9010.8	9376.8	9988.1	10766.3	11141.2	10984.6	10608.3	10505.6	10283.4
57.5°	8164.6	8231.4	8764.3	9555.3	10601.9	11360.8	11531.6	11291.5	11192.6	10872.9
60°	7120.6	7227.2	7837.1	8828.5	10183.3	11359.5	12028.6	11963.1	11880.9	11453.3
62.5°	5939.2	6062.4	6649.3	7801.2	9451.3	11037.2	12339.3	12525.5	12483.2	11988.8
65°	4561.3	4646.0	5230.3	6472.1	8312.3	10345.1	12375.3	12909.5	12917.2	12395.9
67.5°	3037.0	3281.0	3788.2	4856.6	6786.7	9213.7	12059.4	12972.4	13046.9	12535.8
70°	1481.9	1802.9	2299.9	3156.4	4856.6	7478.9	11233.7	12456.2	12621.9	12127.5
72.5°	615.1	719.1	990.1	1557.7	2787.9	5046.7	9574.6	11056.5	11363.4	10745.7
75°	414.8	449.5	566.3	798.7	1270.0	2488.7	6904.8	8244.2	8738.6	8115.8
77.5°	319.8	341.6	412.2	558.6	755.1	941.3	3695.8	4968.4	5223.9	4836.1
80°	251.7	268.4	308.2	407.1	535.5	503.4	1259.7	2251.1	2398.8	2012.3
82.5°	218.3	224.7	220.9	276.1	355.7	294.1	413.5	830.8	916.9	665.2
85°	157.9	175.9	183.6	170.8	188.8	149.0	169.5	294.1	323.6	288.9
87.5°	64.2	95.0	116.9	110.4	69.3	42.4	52.6	86.0	98.9	107.9
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°
2710.8	0°	2710.8	2710.8	2710.8	2710.8	2710.8	2710.8	2710.8	2710.8	2710.8	2710.8
2712.1	2.5°	2713.4	2722.4	2728.8	2736.5	2741.6	2749.4	2764.8	2773.8	2775.0	2781.5
2732.7	5°	2737.8	2750.6	2764.8	2785.3	2808.4	2827.7	2857.2	2877.8	2885.5	2891.9
2782.7	7.5°	2790.4	2808.4	2834.1	2870.1	2903.5	2929.1	2965.1	2989.5	3013.9	3022.9
2862.4	10°	2868.8	2894.5	2931.7	2980.5	3016.5	3049.8	3087.1	3107.6	3132.0	3142.3
2957.4	12.5°	2966.4	2993.3	3042.1	3110.2	3143.6	3166.7	3179.5	3174.4	3179.5	3188.5
3071.7	15°	3078.1	3107.6	3162.8	3236.0	3259.2	3238.6	3210.4	3184.7	3180.8	3183.4
3210.4	17.5°	3210.4	3232.2	3296.4	3358.0	3341.3	3256.6	3195.0	3153.9	3133.3	3126.9
3387.6	20°	3395.3	3395.3	3447.9	3486.5	3374.7	3230.9	3134.6	3067.8	3025.4	3007.5
3629.0	22.5°	3620.0	3599.5	3632.8	3605.9	3368.3	3159.0	3025.4	2909.9	2845.7	2820.0
3966.7	25°	3905.1	3880.7	3871.7	3704.8	3322.1	3044.7	2827.7	2687.7	2631.2	2617.1
4453.4	27.5°	4335.3	4273.6	4156.8	3758.7	3237.3	2864.9	2596.5	2466.8	2434.7	2436.0
5078.8	30°	4908.0	4784.7	4498.4	3767.7	3098.6	2610.7	2360.3	2267.8	2252.4	2258.8
5604.0	32.5°	5438.4	5321.5	4847.6	3726.6	2885.5	2361.5	2148.4	2086.7	2063.6	2071.3
6004.7	35°	5854.4	5822.3	5171.3	3668.8	2623.5	2127.8	1958.3	1905.7	1860.7	1850.5
6382.2	37.5°	6247.4	6234.5	5414.0	3587.9	2364.1	1962.2	1805.5	1736.2	1670.7	1634.7
6799.5	40°	6678.8	6666.0	5573.2	3463.3	2134.2	1818.3	1668.1	1576.9	1496.0	1430.5
7272.1	42.5°	7164.2	7088.5	5649.0	3284.8	1939.1	1696.4	1556.4	1433.1	1326.5	1266.2
7806.3	45°	7694.6	7523.8	5647.7	3057.5	1774.7	1584.6	1437.0	1262.3	1163.4	1106.9
8354.6	47.5°	8257.1	7939.9	5578.3	2805.9	1615.5	1461.4	1252.0	1118.5	1053.0	1018.3
8950.5	50°	8837.5	8329.0	5460.2	2516.9	1452.4	1321.4	1136.5	1045.3	995.2	963.1
9541.2	52.5°	9383.2	8682.1	5317.6	2189.5	1286.7	1185.3	1085.1	1014.5	961.8	925.9
10113.9	55°	9890.5	8986.4	5116.0	1854.3	1151.9	1094.1	1060.7	1001.6	941.3	898.9
10695.6	57.5°	10341.2	9184.2	4768.0	1539.7	1055.6	1031.2	1035.0	979.8	910.5	874.5
11268.4	60°	10716.2	9329.3	4253.1	1248.2	977.2	969.5	995.2	938.7	857.8	816.7
11752.5	62.5°	10940.9	9326.7	3621.3	1022.2	910.5	913.0	942.6	887.3	805.2	766.6
12005.5	65°	10921.7	9098.2	2927.9	874.5	846.3	848.8	887.3	830.8	761.5	738.4
11878.3	67.5°	10535.1	8540.8	2246.0	778.2	775.6	787.2	832.1	792.3	734.5	732.0
11120.7	70°	9488.5	7383.8	1618.0	701.1	702.4	719.1	778.2	767.9	720.4	725.5
9349.9	72.5°	7608.6	5629.7	1086.4	620.2	621.5	648.5	726.8	748.7	706.3	774.3
6633.9	75°	5067.2	3510.9	698.6	534.2	535.5	570.2	681.9	711.4	667.8	771.8
3451.8	77.5°	2434.7	1578.2	506.0	449.5	449.5	481.6	589.4	636.9	568.9	599.7
1109.5	80°	841.1	593.3	398.1	362.1	354.4	376.3	497.0	552.2	490.5	452.0
362.1	82.5°	331.3	308.2	319.8	281.2	255.5	269.7	386.5	455.9	360.8	326.2
204.2	85°	190.1	200.3	226.0	186.2	147.7	165.7	283.8	327.5	272.2	240.1
66.8	87.5°	51.4	70.6	104.0	96.3	66.8	70.6	134.8	181.1	156.7	120.7
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°
2710.8
2780.2
2890.6
3024.2
3147.4
3191.1
3192.4
3135.9
3003.6
2816.1
2619.7
2439.9
2280.6
2081.6
1858.2
1636.0
1437.0
1270.0
1104.4
1010.6
951.6
910.5
882.2
851.4
798.7
755.1
737.1
735.8
724.3
784.6
778.2
549.6
423.8
324.9
245.3
124.6
0.0

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