

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: P852528

Luminaire Tested: **GLAN-SB4C-730-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852528
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4C-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21952 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

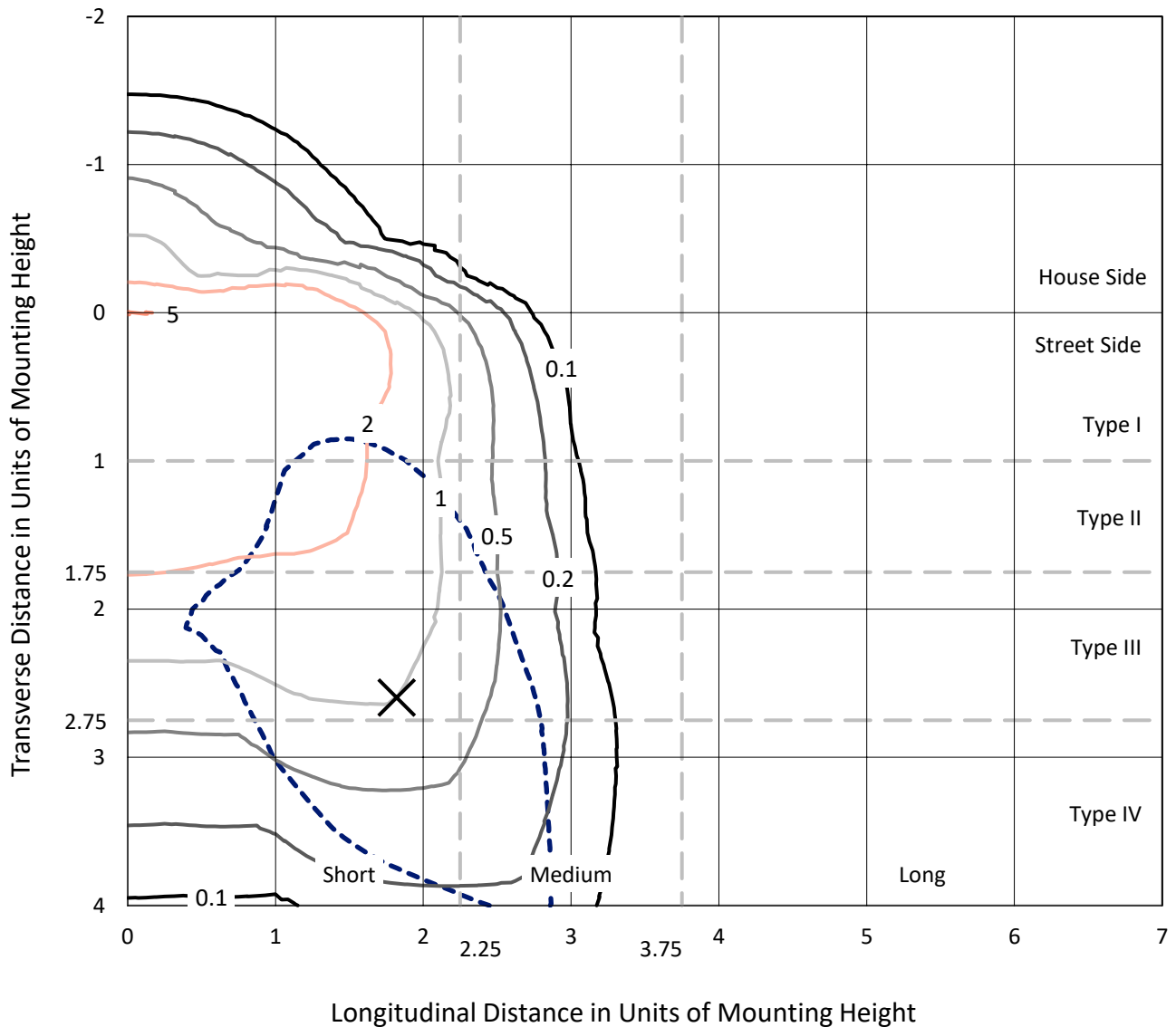
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

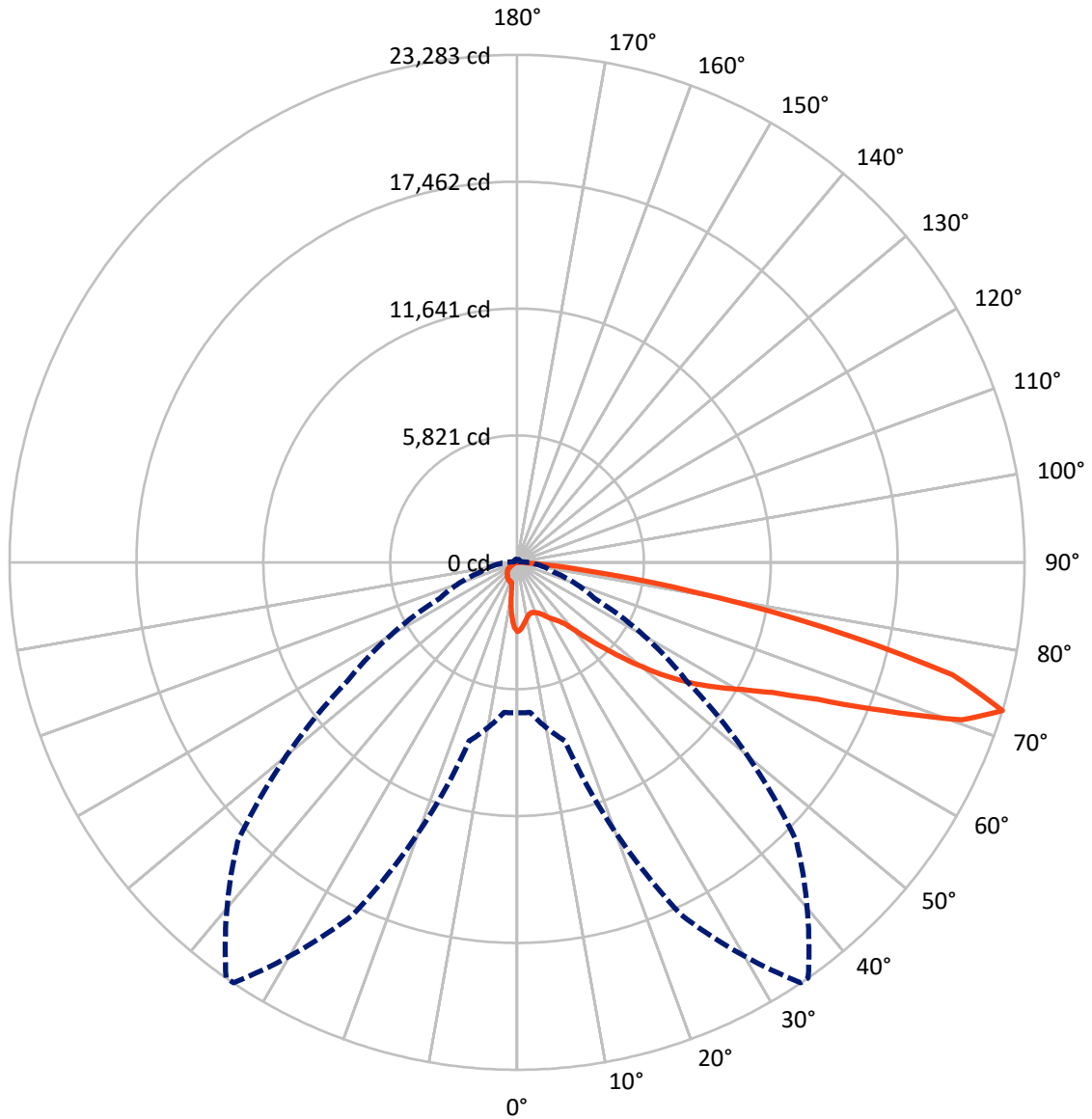
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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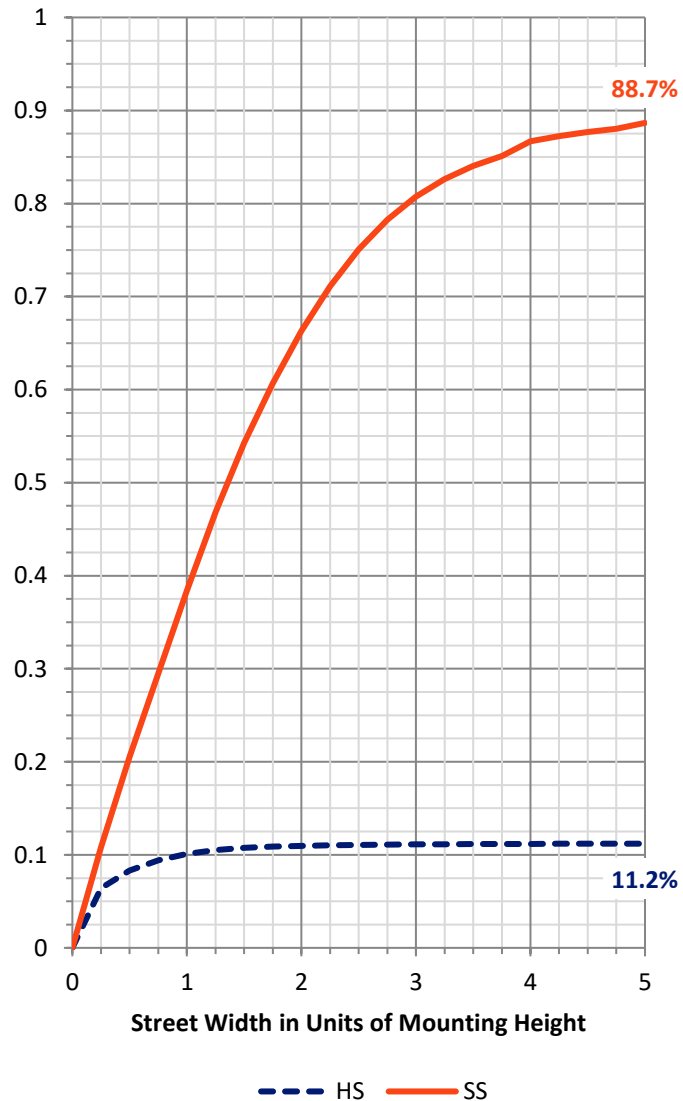
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2470.6	0.0	2470.6
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	19481.4	0.0	19481.4
	% Fixture	88.7	0.0	88.7
Total	Lumens	21952.0	0.0	21952.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.4	1.2
10°-20°	611.6	2.8
20°-30°	993.5	4.5
30°-40°	1657.7	7.6
40°-50°	3136.5	14.3
50°-60°	4983.8	22.7
60°-70°	6165.3	28.1
70°-80°	3832.4	17.5
80°-90°	309.7	1.4
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°	21952.0	100.0
0°-180°	21952.0	100.0

Coefficient of Utilization



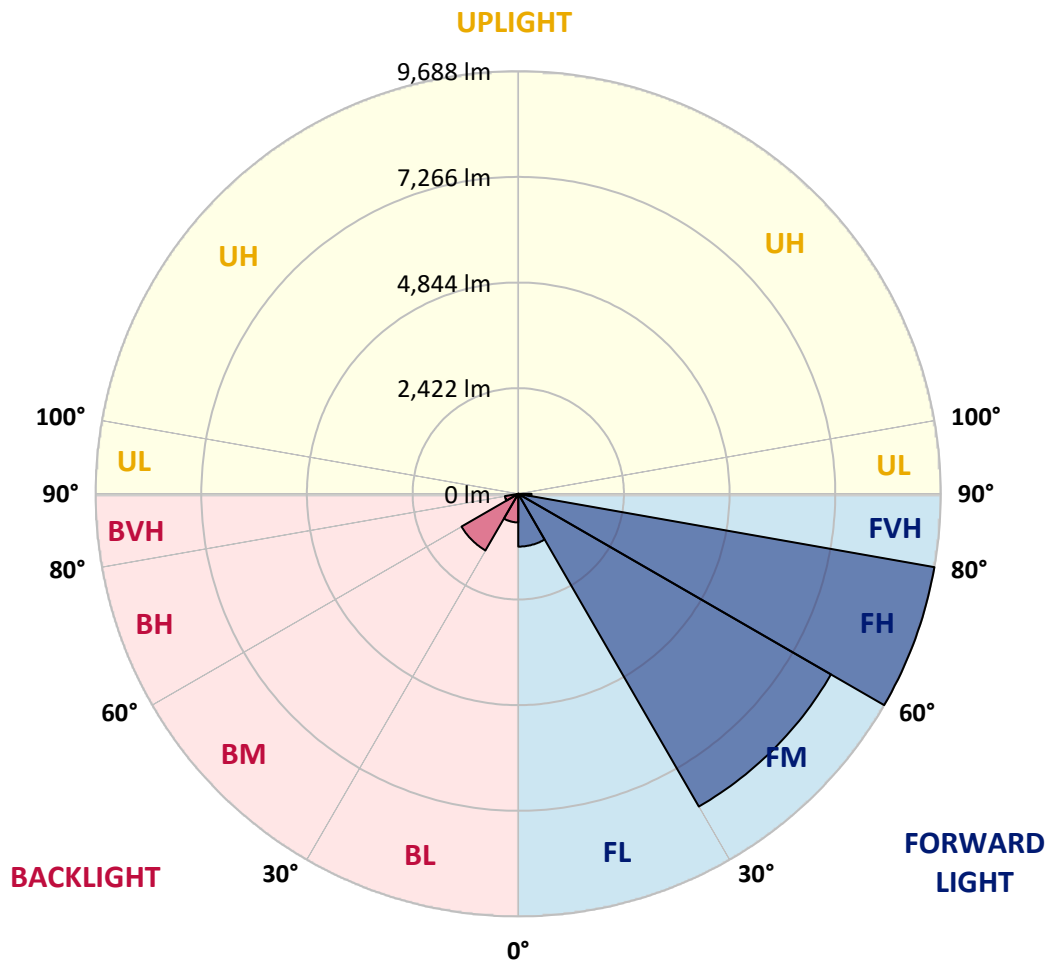
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1210.1	5.5			
FM (30°-60°)	8278.1	37.7			
FH (60°-80°)	9687.7	44.1			G4/12000
FVH (80°-90°)	305.5	1.4			G3/500
BL (0°-30°)	656.5	3.0	B2/1000		
BM (30°-60°)	1499.9	6.8	B2/2500		
BH (60°-80°)	310.0	1.4	B1/500		G1/500
BVH (80°-90°)	4.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	3181.6	3181.6	3181.6	3181.6	3181.6	3181.6	3181.6	3181.6	3181.6	3181.6
2.5°	3040.0	3065.8	3070.6	3078.6	3078.6	3088.3	3104.4	3126.9	3163.9	3183.2
5°	2802.0	2821.3	2845.4	2864.7	2901.7	2906.5	2969.3	3030.4	3115.6	3180.0
7.5°	2562.3	2584.8	2617.0	2663.6	2711.9	2726.4	2821.3	2924.2	3059.3	3180.0
10°	2393.4	2395.0	2424.0	2470.6	2547.8	2565.5	2681.3	2827.7	2996.6	3160.7
12.5°	2298.5	2309.8	2322.7	2358.0	2432.0	2443.3	2567.1	2739.2	2933.9	3149.4
15°	2298.5	2306.6	2314.6	2332.3	2391.8	2401.5	2510.8	2683.0	2901.7	3154.2
17.5°	2322.7	2335.5	2329.1	2350.0	2412.7	2419.2	2515.7	2666.9	2900.1	3184.8
20°	2380.6	2390.2	2377.3	2390.2	2452.9	2465.8	2565.5	2697.4	2927.4	3237.9
22.5°	2472.2	2477.1	2446.5	2456.2	2520.5	2536.6	2652.4	2784.3	2993.4	3323.1
25°	2588.1	2597.7	2551.1	2562.3	2623.4	2642.7	2776.2	2914.6	3097.9	3440.5
27.5°	2721.6	2726.4	2686.2	2684.6	2763.4	2790.7	2925.8	3075.4	3237.9	3588.5
30°	2874.4	2888.8	2850.2	2843.8	2943.5	2966.0	3099.5	3273.3	3443.8	3810.5
32.5°	2995.0	3006.3	2983.7	2999.8	3101.2	3118.8	3310.3	3553.1	3767.1	4125.8
35°	3168.7	3175.1	3123.7	3152.6	3268.4	3313.5	3598.2	3945.6	4174.0	4521.4
37.5°	3797.6	3797.6	3578.9	3435.7	3546.7	3586.9	3992.3	4439.4	4675.9	5052.2
40°	4667.8	4653.3	4333.3	4040.5	4026.0	4104.9	4553.6	5061.9	5324.1	5689.2
42.5°	5595.9	5573.4	5137.5	4848.0	4799.7	4827.1	5201.8	5829.1	6096.2	6466.1
45°	6419.5	6413.0	6014.1	5624.9	5538.0	5624.9	6010.9	6726.7	6918.1	7307.3
47.5°	7109.5	7109.5	6818.4	6564.2	6519.2	6570.7	7106.3	7722.3	7704.6	8203.3
50°	7904.1	7897.7	7621.0	7511.6	7558.3	7630.6	8367.3	8771.1	8518.5	9083.1
52.5°	8460.6	8499.2	8404.3	8386.6	8624.7	8750.2	9647.7	9797.3	9247.2	9917.9
55°	8901.3	8946.4	9055.8	9179.6	9638.0	9802.1	10887.8	10770.4	9856.8	10641.7
57.5°	9525.4	9461.1	9630.0	9874.5	10616.0	10813.8	12089.4	11688.9	10347.4	11228.8
60°	10283.0	10292.7	10321.6	10630.5	11592.3	11846.5	13273.2	12557.4	10662.6	11589.1
62.5°	11193.4	11207.9	11267.4	11741.9	12903.3	13142.9	14534.3	13268.4	10807.4	11487.8
65°	11130.7	11191.8	11856.1	13479.1	14896.2	15132.6	16006.0	13767.0	10588.6	10561.3
67.5°	10139.9	10239.6	11351.1	15554.0	17900.8	18164.6	17785.0	13865.1	9644.5	8212.9
70°	8840.2	8875.6	10212.3	17419.9	21380.0	21647.0	19377.4	12785.8	7318.6	4581.0
72.5°	6903.6	6911.7	8479.9	17852.6	23268.3	23282.8	18127.6	9491.7	3936.0	1759.7
75°	4931.6	4883.4	5679.6	14478.0	20471.2	20635.2	13590.1	4452.3	1503.9	831.6
77.5°	2644.3	2697.4	3213.8	8586.1	14141.8	14421.7	7415.1	1283.6	765.6	566.2
80°	817.1	862.1	1317.3	3931.1	8010.2	8179.1	2748.9	571.0	534.0	403.7
82.5°	257.4	267.0	614.4	1651.9	3324.7	3401.9	796.2	323.3	365.1	267.0
85°	74.0	75.6	273.4	616.0	821.9	838.0	223.6	125.5	209.1	165.7
87.5°	8.0	25.7	102.9	102.9	72.4	70.8	24.1	27.3	59.5	20.9
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°
3181.6	0°	3181.6	3181.6	3181.6	3181.6	3181.6	3181.6	3181.6	3181.6	3181.6	3181.6
3196.1	2.5°	3188.0	3189.6	3168.7	3133.3	3094.7	3062.6	3022.3	2990.2	2967.7	2961.2
3225.0	5°	3210.5	3199.3	3139.8	3032.0	2903.3	2792.3	2668.5	2570.4	2506.0	2478.7
3255.6	7.5°	3244.3	3212.1	3081.9	2869.5	2623.4	2404.7	2182.7	2010.6	1901.2	1846.5
3284.5	10°	3273.3	3208.9	2985.3	2634.7	2258.3	1927.0	1627.8	1420.3	1304.5	1249.8
3318.3	12.5°	3300.6	3207.3	2859.9	2356.4	1846.5	1441.2	1162.9	1060.0	1027.8	1016.6
3373.0	15°	3352.1	3212.1	2702.3	2037.9	1436.4	1088.9	987.6	986.0	992.4	989.2
3456.6	17.5°	3422.9	3217.0	2523.7	1700.2	1108.2	960.3	955.4	969.9	979.6	974.7
3561.2	20°	3514.5	3236.3	2333.9	1365.6	952.2	928.1	939.4	952.2	960.3	952.2
3701.1	22.5°	3643.2	3270.0	2126.4	1097.0	902.4	908.8	918.4	932.9	941.0	929.7
3879.7	25°	3800.8	3323.1	1922.1	953.8	878.2	886.3	900.8	916.8	926.5	915.2
4104.9	27.5°	4005.1	3408.4	1733.9	921.7	854.1	858.9	879.8	904.0	916.8	902.4
4424.9	30°	4301.1	3548.3	1571.5	936.1	839.6	828.4	857.3	891.1	905.6	892.7
4860.8	32.5°	4693.6	3746.2	1471.8	958.7	833.2	793.0	820.3	863.8	887.9	879.8
5430.2	35°	5208.3	4046.9	1433.2	984.4	828.4	756.0	775.3	821.9	863.8	871.8
6147.6	37.5°	5832.4	4465.2	1444.4	995.7	813.9	725.4	735.1	775.3	830.0	855.7
6955.1	40°	6541.7	4952.5	1508.8	984.4	797.8	699.7	701.3	731.9	780.1	818.7
7823.7	42.5°	7273.6	5521.9	1627.8	942.6	783.3	677.2	672.3	693.3	725.4	752.8
8690.6	45°	7970.0	6107.4	1745.2	884.7	765.6	654.7	643.4	651.4	657.9	669.1
9535.1	47.5°	8578.0	6519.2	1711.4	831.6	741.5	628.9	609.6	606.4	587.1	585.5
10289.5	50°	8997.9	6609.3	1520.0	778.5	706.1	600.0	569.4	550.1	516.3	500.2
10854.0	52.5°	9131.4	6253.8	1241.7	725.4	648.2	561.4	517.9	487.4	445.5	431.1
11179.0	55°	8954.4	5557.3	992.4	661.1	567.8	509.9	461.6	421.4	387.6	370.0
11214.3	57.5°	8521.7	4671.0	784.9	585.5	482.5	452.0	403.7	363.5	334.6	316.9
10821.9	60°	7804.4	3709.2	620.9	495.4	411.8	389.3	339.4	313.7	287.9	267.0
9808.5	62.5°	6715.4	2647.6	487.4	392.5	344.2	318.5	289.5	270.2	239.7	210.7
7986.1	65°	5240.4	1619.7	376.4	287.9	276.7	263.8	246.1	228.4	191.4	162.5
5209.9	67.5°	3305.4	767.2	268.6	217.1	218.8	212.3	204.3	189.8	162.5	136.7
2333.9	70°	1455.7	371.6	176.9	165.7	162.5	162.5	168.9	164.1	138.3	114.2
810.7	72.5°	495.4	199.5	131.9	125.5	117.4	115.8	141.5	136.7	111.0	88.5
403.7	75°	259.0	133.5	96.5	90.1	70.8	85.2	112.6	106.2	78.8	57.9
267.0	77.5°	168.9	94.9	65.9	57.9	40.2	56.3	83.6	74.0	46.6	29.0
175.3	80°	106.2	62.7	38.6	27.3	19.3	30.6	45.0	32.2	17.7	6.4
102.9	82.5°	56.3	32.2	14.5	9.7	8.0	9.7	11.3	8.0	3.2	0.0
53.1	85°	22.5	11.3	4.8	3.2	1.6	0.0	3.2	1.6	0.0	0.0
9.7	87.5°	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
3181.6
2972.5
2488.3
1854.6
1251.4
1013.3
987.6
973.1
950.6
928.1
913.6
902.4
891.1
879.8
871.8
862.1
831.6
764.0
675.6
583.9
501.8
429.5
370.0
313.7
262.2
205.9
157.6
133.5
109.4
83.6
53.1
25.7
4.8
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