

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: P852445

Luminaire Tested: **GLAN-SB3D-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 5000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25911 lumens
Efficiency: N/A
Efficacy: 118.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

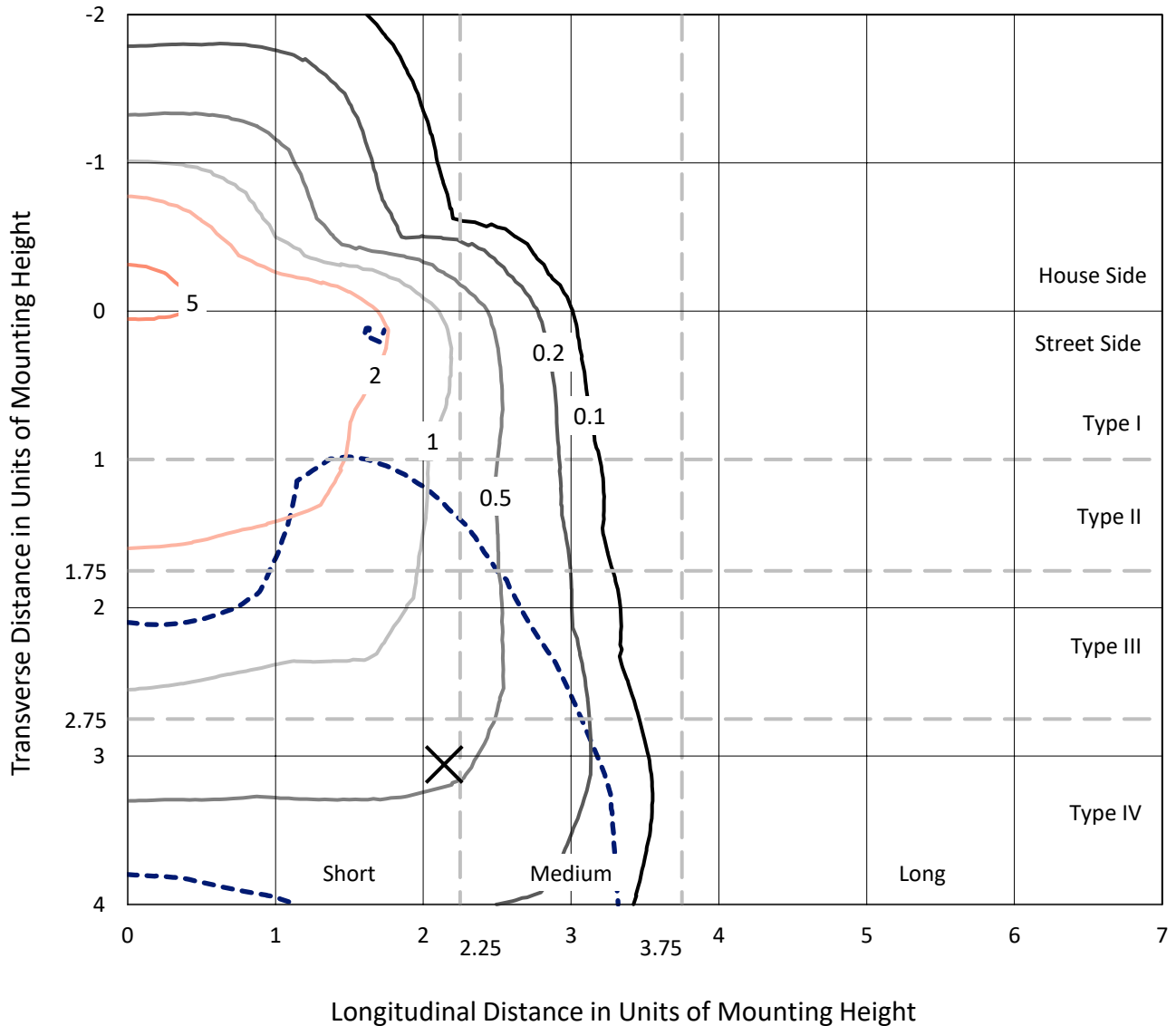
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

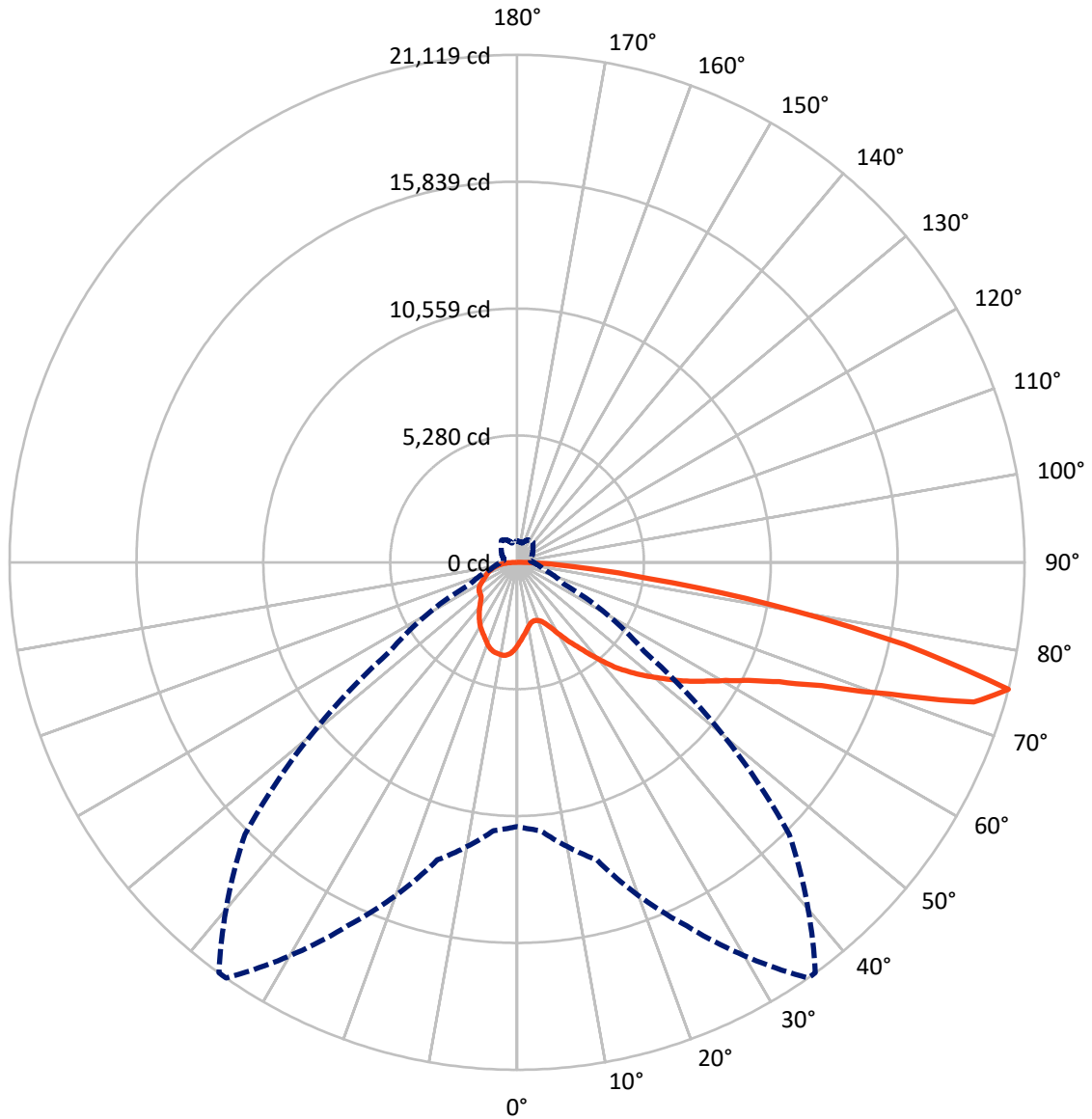
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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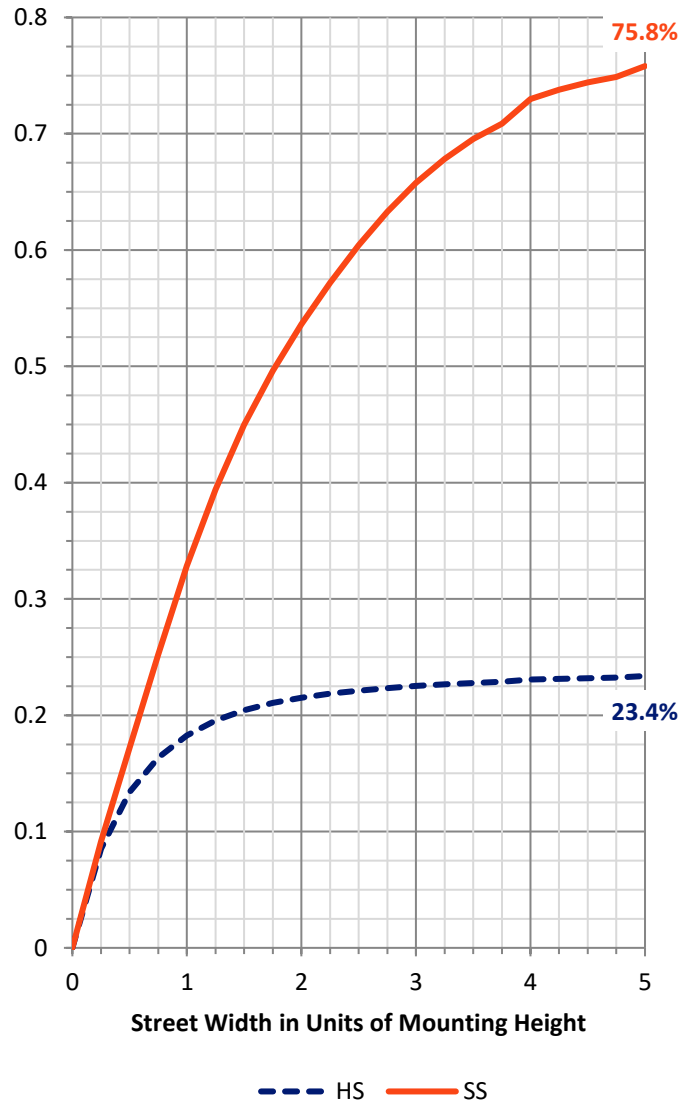
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6166.2	0.0	6166.2
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	19744.8	0.0	19744.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	25911.0	0.0	25911.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.9	1.3
10°-20°	943.0	3.6
20°-30°	1583.5	6.1
30°-40°	2460.9	9.5
40°-50°	3652.7	14.1
50°-60°	5042.7	19.5
60°-70°	6118.0	23.6
70°-80°	5056.1	19.5
80°-90°	727.2	2.8
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°	25911.0	100.0
0°-180°	25911.0	100.0

Coefficient of Utilization

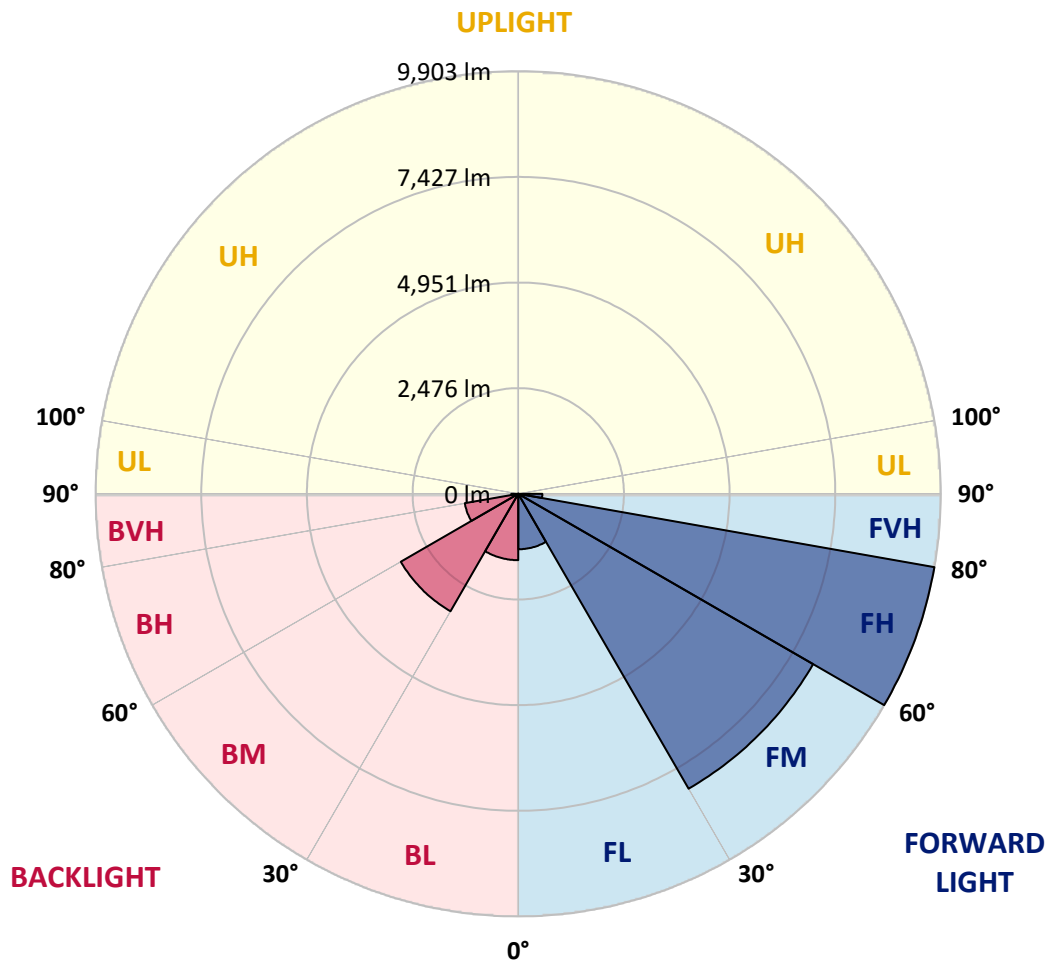


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1299.4	5.0			
FM (30°-60°)	7979.2	30.8			
FH (60°-80°)	9902.8	38.2			G4/12000
FVH (80°-90°)	563.5	2.2			G4/750
BL (0°-30°)	1554.0	6.0	B3/2500		
BM (30°-60°)	3177.2	12.3	B3/5000		
BH (60°-80°)	1271.3	4.9	B3/2500		G3/2500
BVH (80°-90°)	163.8	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-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3452.8	3452.8	3452.8	3452.8	3452.8	3452.8	3452.8	3452.8	3452.8	3452.8
2.5°	3183.9	3203.5	3211.9	3207.7	3228.7	3225.9	3255.3	3291.7	3342.2	3391.2
5°	2938.7	2959.8	2978.0	2994.8	3035.4	3048.0	3094.2	3164.3	3256.7	3350.6
7.5°	2710.4	2728.6	2756.6	2787.5	2856.1	2868.7	2945.7	3055.0	3183.9	3321.1
10°	2524.1	2542.3	2571.8	2606.8	2692.2	2707.6	2805.7	2951.4	3119.4	3293.1
12.5°	2444.3	2449.9	2466.7	2501.7	2576.0	2585.8	2693.6	2860.3	3056.4	3272.1
15°	2440.1	2451.3	2452.7	2470.9	2532.5	2536.7	2636.2	2801.5	3017.2	3267.9
17.5°	2482.1	2490.5	2477.9	2489.1	2540.9	2547.9	2626.4	2773.5	3004.6	3286.1
20°	2594.2	2601.2	2563.3	2547.9	2585.8	2591.4	2668.4	2791.7	3017.2	3323.9
22.5°	2832.3	2836.5	2744.0	2681.0	2683.8	2686.6	2753.8	2865.9	3066.2	3392.6
25°	3203.5	3200.7	3053.6	2931.7	2861.7	2846.3	2891.1	2986.4	3148.9	3483.6
27.5°	3637.7	3616.7	3469.6	3287.5	3134.8	3112.4	3102.6	3143.3	3266.5	3604.1
30°	4128.0	4108.4	3950.1	3712.0	3500.4	3464.0	3371.6	3350.6	3441.6	3768.0
32.5°	4665.9	4653.2	4464.1	4175.6	3892.6	3850.6	3695.1	3639.1	3710.6	4015.9
35°	5116.9	5105.7	4948.8	4651.8	4305.9	4254.0	4095.8	4032.7	4069.1	4333.9
37.5°	5524.5	5518.9	5384.4	5150.5	4793.3	4730.3	4552.4	4531.4	4524.4	4752.7
40°	5902.7	5888.7	5748.6	5625.4	5360.6	5303.2	5146.3	5128.1	5074.9	5268.2
42.5°	6321.5	6285.1	6082.0	6024.6	5953.1	5905.5	5811.7	5814.5	5696.8	5849.5
45°	6663.3	6642.3	6433.6	6400.0	6477.0	6457.4	6538.6	6559.7	6331.3	6458.8
47.5°	7030.3	7010.7	6834.2	6810.4	7019.1	7024.7	7311.8	7318.8	6950.5	7091.9
50°	7482.7	7454.7	7279.6	7309.0	7543.0	7564.0	8089.3	8041.6	7520.6	7734.9
52.5°	7781.1	7797.9	7760.1	7807.7	8127.1	8146.7	8854.1	8732.2	8085.1	8369.4
55°	8001.0	8034.6	8152.3	8261.5	8743.4	8763.0	9575.4	9389.1	8552.9	8957.7
57.5°	8284.0	8236.3	8456.2	8669.2	9328.9	9380.7	10277.2	10022.3	8967.5	9464.8
60°	8690.2	8656.6	8827.4	9142.6	9984.5	10067.1	11019.6	10592.4	9271.5	9866.8
62.5°	9513.8	9429.8	9456.4	9735.1	10810.9	10920.1	11857.2	11089.6	9422.8	10023.7
65°	10745.1	10600.8	10466.3	10659.6	11974.9	12082.8	12802.7	11480.4	9366.7	9719.7
67.5°	12295.7	12152.8	11987.5	12169.6	13689.4	13774.8	13969.5	11700.4	8925.5	8548.7
70°	13574.5	13521.3	13718.8	14468.2	16427.8	16430.6	15465.5	11518.3	7716.7	6061.0
72.5°	13405.1	13372.8	14413.6	16730.4	19879.3	19805.0	16881.7	10139.9	5198.1	2734.2
75°	10997.2	11205.9	12818.1	16689.8	21118.9	21109.1	16014.6	6446.2	2150.1	1133.2
77.5°	5897.1	6227.7	8321.8	12322.3	16486.7	16734.6	11259.1	2255.2	923.1	725.6
80°	1923.2	2211.8	3316.9	6273.9	10712.8	10666.6	4825.5	885.3	631.7	514.1
82.5°	816.6	850.2	1482.0	2962.6	5497.9	5412.4	1536.6	508.5	444.0	351.6
85°	319.4	357.2	654.1	1369.9	2381.3	2329.4	554.7	252.1	284.3	229.7
87.5°	105.1	127.5	233.9	469.2	741.0	714.4	135.9	86.8	123.3	105.1
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°
3452.8	0°	3452.8	3452.8	3452.8	3452.8	3452.8	3452.8	3452.8	3452.8	3452.8	3452.8
3462.6	2.5°	3482.2	3504.6	3531.3	3570.5	3604.1	3632.1	3661.5	3679.7	3686.7	3707.8
3468.2	5°	3507.4	3556.5	3622.3	3686.7	3749.8	3787.6	3821.2	3838.0	3853.4	3864.6
3483.6	7.5°	3549.5	3612.5	3716.2	3800.2	3853.4	3884.2	3906.7	3901.1	3906.7	3909.5
3500.4	10°	3585.9	3674.1	3797.4	3877.2	3917.9	3919.3	3913.7	3894.0	3884.2	3885.6
3525.7	12.5°	3629.3	3727.4	3860.4	3927.7	3938.9	3908.1	3884.2	3850.6	3838.0	3832.4
3563.5	15°	3688.1	3800.2	3929.1	3954.3	3926.3	3887.0	3846.4	3791.8	3763.8	3741.4
3627.9	17.5°	3759.6	3882.8	3982.3	3964.1	3903.9	3839.4	3773.6	3690.9	3633.5	3609.7
3716.2	20°	3859.0	3969.7	4022.9	3943.1	3852.0	3754.0	3641.9	3541.1	3487.8	3464.0
3828.2	22.5°	3979.5	4085.9	4062.1	3906.7	3777.8	3620.9	3480.8	3406.6	3380.0	3363.2
3972.5	25°	4123.8	4214.8	4090.2	3853.4	3655.9	3444.4	3336.6	3312.7	3300.1	3287.5
4149.0	27.5°	4311.5	4360.5	4111.2	3775.0	3465.4	3256.7	3217.5	3221.7	3217.5	3196.5
4394.1	30°	4559.4	4549.6	4130.8	3647.5	3246.9	3087.2	3090.0	3108.2	3111.0	3097.0
4735.9	32.5°	4885.8	4786.3	4140.6	3482.2	3038.2	2938.7	2941.5	2961.2	2975.2	2951.4
5182.7	35°	5280.8	5062.3	4125.2	3274.9	2877.1	2797.3	2776.3	2781.9	2786.1	2763.7
5724.8	37.5°	5741.6	5371.8	4056.5	3045.2	2744.0	2658.6	2613.8	2576.0	2553.5	2532.5
6338.3	40°	6247.3	5709.4	3930.5	2821.1	2595.6	2511.5	2444.3	2372.8	2297.2	2269.2
6988.3	42.5°	6776.8	6056.8	3777.8	2606.8	2424.7	2356.0	2284.6	2180.9	2067.5	2010.1
7663.4	45°	7325.9	6412.6	3627.9	2395.3	2249.6	2220.2	2137.5	2012.9	1889.6	1816.8
8340.0	47.5°	7863.7	6748.7	3408.0	2182.3	2085.7	2117.9	2053.5	1938.6	1801.3	1686.5
9010.9	50°	8377.8	7063.9	3048.0	1966.6	1952.6	2087.1	2025.5	1860.2	1703.3	1556.2
9669.3	52.5°	8887.7	7318.8	2587.2	1770.5	1881.2	2078.7	1989.0	1807.0	1615.0	1461.0
10288.4	55°	9320.5	7450.5	2143.1	1602.4	1777.5	2007.3	1945.6	1743.9	1490.4	1326.5
10712.8	57.5°	9567.0	7344.1	1773.3	1437.2	1634.7	1889.6	1871.4	1609.4	1341.9	1215.8
10795.5	60°	9460.6	6912.6	1470.8	1292.9	1498.8	1762.1	1742.5	1476.4	1228.4	1109.4
10352.8	62.5°	8873.7	6090.4	1231.2	1166.8	1375.5	1631.9	1613.6	1374.1	1141.6	1026.7
9177.6	65°	7691.4	4954.4	1044.9	1061.8	1250.9	1475.0	1501.6	1288.7	1073.0	960.9
7100.3	67.5°	5866.3	3588.7	899.3	970.7	1129.0	1320.9	1397.9	1227.0	1015.5	909.1
4108.4	70°	3343.6	2038.1	776.0	882.5	1021.1	1178.0	1318.1	1178.0	953.9	865.7
1539.4	72.5°	1267.7	935.7	671.0	794.2	917.5	1057.6	1229.8	1101.0	882.5	816.6
795.6	75°	676.6	570.1	564.5	690.6	798.4	939.9	1119.2	1025.3	829.2	862.9
550.5	77.5°	460.8	403.4	472.0	591.1	668.2	809.6	1001.5	910.5	718.6	715.8
381.0	80°	319.4	285.8	383.8	476.3	516.9	680.8	874.1	781.6	585.5	546.3
235.3	82.5°	191.9	186.3	287.2	355.8	365.6	525.3	724.2	655.5	479.1	417.4
140.1	85°	105.1	110.7	183.5	208.7	212.9	367.0	567.3	507.1	368.4	309.6
50.4	87.5°	29.4	37.8	67.2	82.6	102.3	190.5	337.6	301.2	184.9	128.9
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°
3452.8
3706.3
3867.4
3913.7
3888.4
3829.6
3748.4
3611.1
3461.2
3366.0
3287.5
3200.7
3104.0
2962.6
2779.1
2546.5
2281.8
2017.1
1811.2
1673.9
1543.6
1444.2
1312.5
1199.0
1092.6
1008.5
942.7
892.3
854.4
805.4
890.9
659.7
522.5
420.2
312.4
128.9
0.0

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