

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: P849378

Luminaire Tested: **GLAN-SB6B-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849378
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-SB6B-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 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: 29340 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

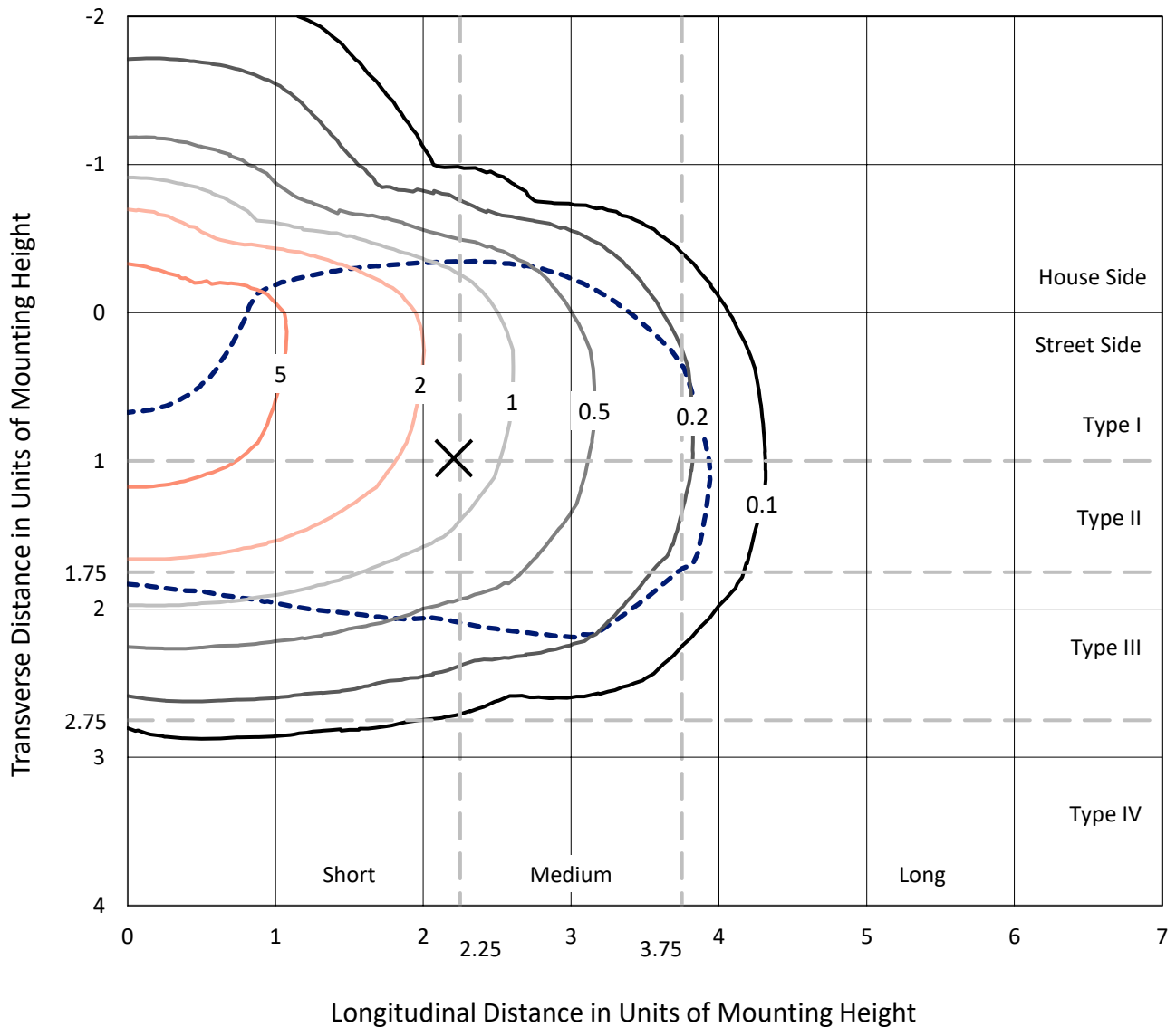
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

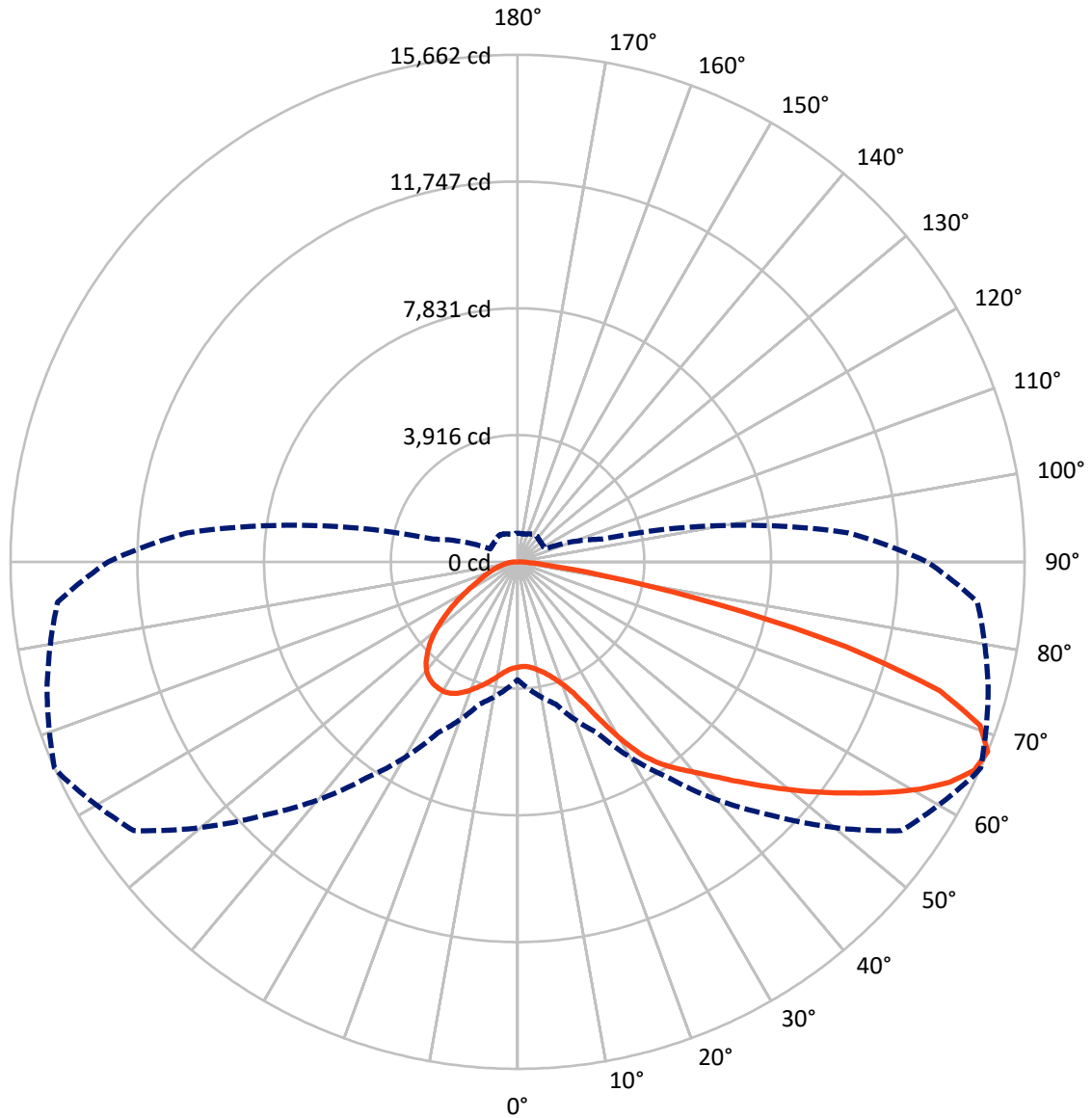
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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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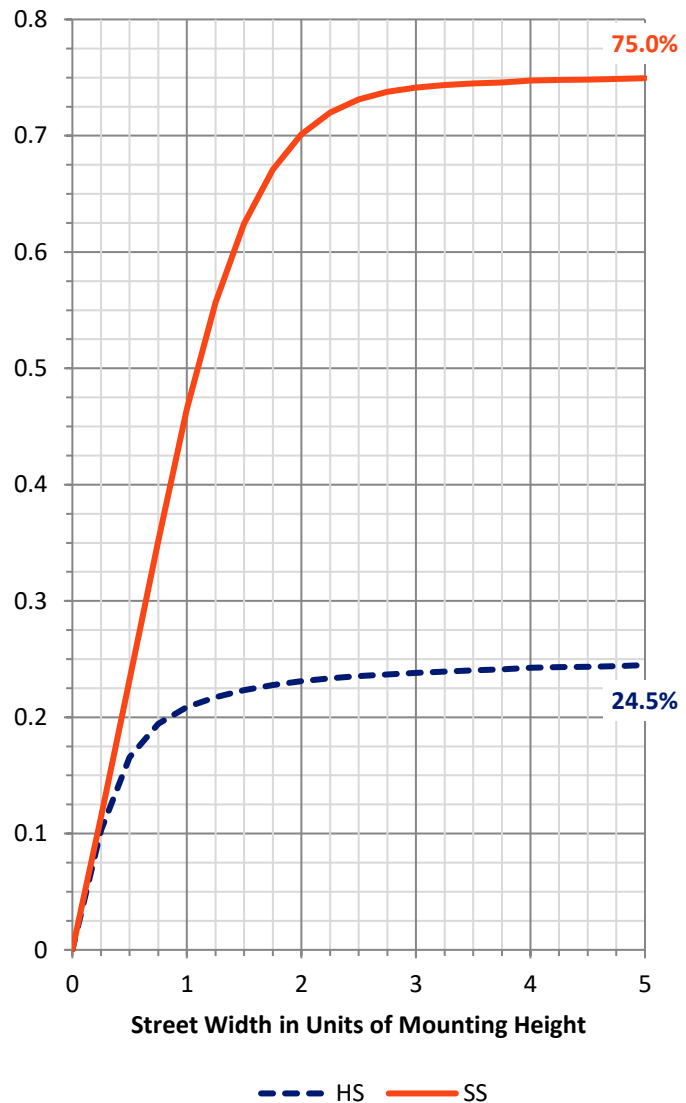
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7295.3	0.0	7295.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	22044.7	0.0	22044.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	29340.0	0.0	29340.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	322.6	1.1
10°-20°	1066.0	3.6
20°-30°	2054.6	7.0
30°-40°	3602.4	12.3
40°-50°	5355.6	18.3
50°-60°	6788.8	23.1
60°-70°	6642.7	22.6
70°-80°	3168.6	10.8
80°-90°	338.6	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°	29340.0	100.0
0°-180°	29340.0	100.0

Coefficient of Utilization



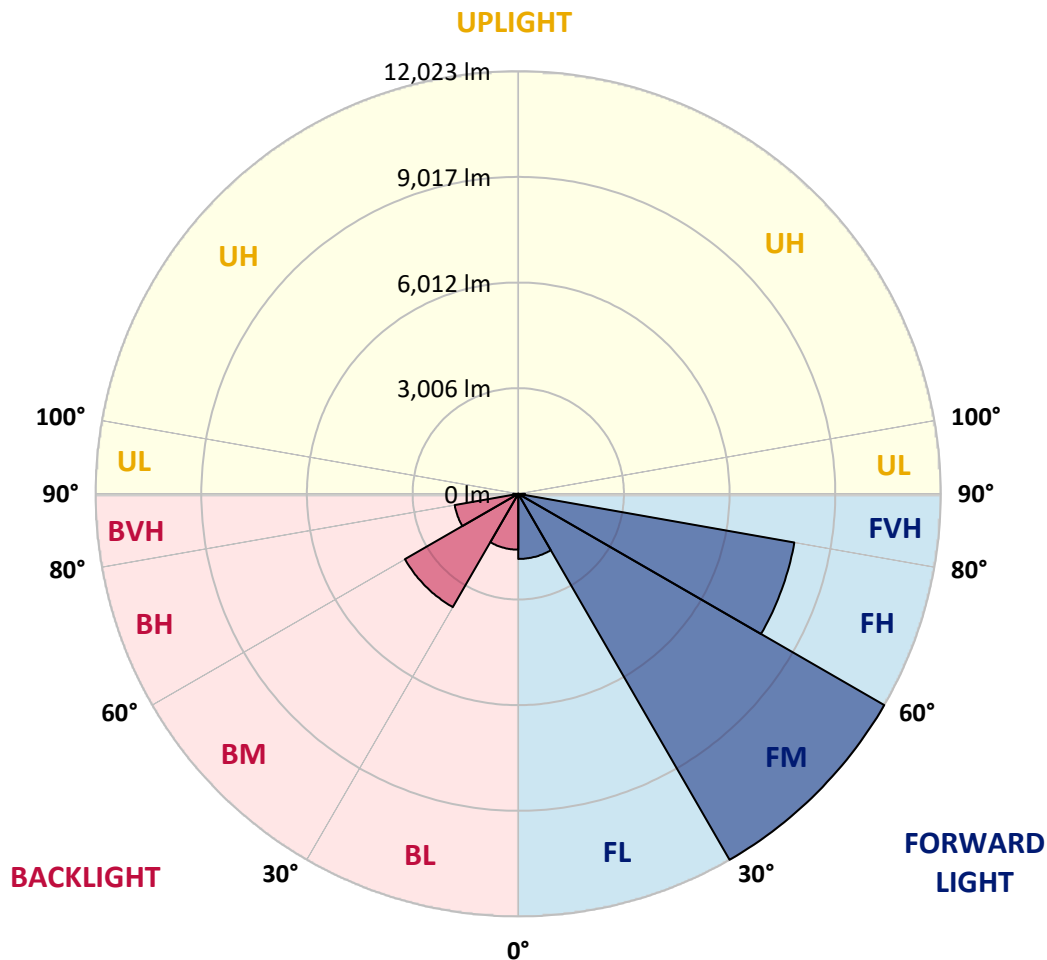
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1854.0	6.3			
FM (30°-60°)	12023.3	41.0			
FH (60°-80°)	7975.4	27.2			G4/12000
FVH (80°-90°)	192.0	0.7			G2/225
BL (0°-30°)	1589.2	5.4	B3/2500		
BM (30°-60°)	3723.6	12.7	B3/5000		
BH (60°-80°)	1835.9	6.3	B3/2500		G3/2500
BVH (80°-90°)	146.6	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-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3254.2	3254.2	3254.2	3254.2	3254.2	3254.2	3254.2	3254.2	3254.2	3254.2
2.5°	3220.3	3238.8	3234.2	3226.4	3224.9	3228.0	3232.6	3237.2	3235.7	3243.4
5°	3211.0	3229.5	3228.0	3228.0	3234.2	3246.5	3254.2	3261.9	3254.2	3263.4
7.5°	3217.2	3231.1	3237.2	3243.4	3258.8	3281.9	3300.4	3317.4	3308.1	3318.9
10°	3295.8	3306.6	3312.8	3312.8	3323.6	3349.8	3368.3	3399.1	3391.4	3408.3
12.5°	3439.2	3450.0	3450.0	3443.8	3451.5	3468.5	3474.6	3508.5	3494.7	3522.4
15°	3614.9	3636.5	3619.5	3608.7	3611.8	3628.8	3627.2	3653.5	3639.6	3662.7
17.5°	3809.1	3836.9	3809.1	3807.6	3801.4	3819.9	3821.5	3844.6	3819.9	3836.9
20°	4038.8	4077.4	4054.3	4062.0	4048.1	4055.8	4063.5	4097.4	4058.9	4071.2
22.5°	4362.6	4408.8	4384.1	4413.4	4404.2	4398.0	4396.5	4456.6	4396.5	4401.1
25°	4834.3	4889.8	4846.6	4886.7	4886.7	4906.7	4929.8	5006.9	4906.7	4877.4
27.5°	5531.1	5586.5	5501.8	5526.4	5518.7	5568.0	5543.4	5734.5	5626.6	5578.8
30°	6369.6	6468.3	6308.0	6301.8	6294.1	6372.7	6408.2	6534.6	6425.1	6377.4
32.5°	7276.1	7379.4	7188.2	7132.7	7103.4	7151.2	7121.9	7223.7	7148.1	7074.1
35°	8234.9	8336.7	8154.8	8046.8	7929.7	7829.5	7724.7	7750.9	7680.0	7567.4
37.5°	9141.3	9327.9	9135.2	9019.6	8803.7	8608.0	8315.1	8193.3	8127.0	8023.7
40°	10064.7	10171.1	10024.6	9926.0	9691.7	9384.9	8916.3	8658.8	8569.4	8469.2
42.5°	10744.5	10846.3	10767.7	10699.8	10516.4	10160.3	9554.5	9232.3	9102.8	8990.3
45°	11284.1	11359.6	11310.3	11335.0	11256.3	10911.0	10215.8	9847.4	9713.3	9576.1
47.5°	11501.4	11581.6	11660.2	11806.7	11940.8	11686.4	10926.4	10513.3	10371.5	10231.2
50°	11476.8	11558.5	11786.6	12098.0	12514.2	12429.4	11675.6	11222.4	11091.4	10931.1
52.5°	11279.5	11372.0	11664.8	12182.8	12845.7	12985.9	12438.7	11954.7	11831.3	11640.2
55°	10761.5	10817.0	11256.3	11990.1	12924.3	13374.4	13186.3	12734.7	12611.3	12344.7
57.5°	9801.1	9881.3	10521.0	11470.6	12727.0	13638.0	13843.0	13554.8	13436.1	13052.2
60°	8547.8	8675.8	9408.0	10598.1	12224.4	13636.5	14439.6	14361.0	14262.3	13749.0
62.5°	7129.6	7277.6	7982.1	9364.9	11345.7	13249.5	14812.7	15036.2	14985.3	14391.8
65°	5475.6	5577.3	6278.7	7769.4	9978.4	12418.7	14855.8	15497.1	15506.4	14880.5
67.5°	3645.7	3938.6	4547.5	5830.1	8147.0	11060.6	14476.6	15572.7	15662.1	15048.5
70°	1778.9	2164.3	2760.9	3789.1	5830.1	8977.9	13485.4	14953.0	15151.8	14558.3
72.5°	738.4	863.3	1188.5	1869.9	3346.7	6058.3	11493.7	13272.7	13641.1	12899.6
75°	497.9	539.5	679.8	958.8	1524.6	2987.5	8288.9	9896.7	10490.2	9742.5
77.5°	383.8	410.0	494.8	670.6	906.4	1129.9	4436.6	5964.2	6271.0	5805.4
80°	302.1	322.2	370.0	488.7	642.8	604.3	1512.3	2702.3	2879.6	2415.6
82.5°	262.1	269.8	265.1	331.4	427.0	353.0	496.4	997.4	1100.7	798.5
85°	189.6	211.2	220.4	205.0	226.6	178.8	203.5	353.0	388.5	346.8
87.5°	77.1	114.1	140.3	132.6	83.2	50.9	63.2	103.3	118.7	129.5
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°
3254.2	0°	3254.2	3254.2	3254.2	3254.2	3254.2	3254.2	3254.2	3254.2	3254.2	3254.2
3255.7	2.5°	3257.3	3268.1	3275.8	3285.0	3291.2	3300.4	3318.9	3329.7	3331.3	3339.0
3280.4	5°	3286.6	3302.0	3318.9	3343.6	3371.4	3394.5	3429.9	3454.6	3463.8	3471.6
3340.5	7.5°	3349.8	3371.4	3402.2	3445.3	3485.4	3516.3	3559.4	3588.7	3618.0	3628.8
3436.1	10°	3443.8	3474.6	3519.3	3577.9	3621.1	3661.2	3705.9	3730.5	3759.8	3772.2
3550.2	12.5°	3561.0	3593.3	3651.9	3733.6	3773.7	3801.4	3816.9	3810.7	3816.9	3827.6
3687.4	15°	3695.1	3730.5	3796.8	3884.7	3912.4	3887.8	3853.9	3823.0	3818.4	3821.5
3853.9	17.5°	3853.9	3880.1	3957.1	4031.1	4011.1	3909.3	3835.4	3786.0	3761.4	3753.7
4066.6	20°	4075.8	4075.8	4139.0	4185.3	4051.2	3878.5	3762.9	3682.7	3631.9	3610.3
4356.4	22.5°	4345.6	4320.9	4361.0	4328.6	4043.5	3792.2	3631.9	3493.1	3416.1	3385.2
4761.8	25°	4687.8	4658.5	4647.7	4447.3	3988.0	3655.0	3394.5	3226.4	3158.6	3141.7
5346.1	27.5°	5204.2	5130.2	4990.0	4512.1	3886.2	3439.2	3117.0	2961.3	2922.8	2924.3
6096.8	30°	5891.8	5743.8	5400.0	4522.9	3719.7	3134.0	2833.4	2722.4	2703.9	2711.6
6727.3	32.5°	6528.4	6388.1	5819.3	4473.6	3463.8	2834.9	2579.0	2505.0	2477.3	2486.5
7208.2	35°	7027.9	6989.3	6207.8	4404.2	3149.4	2554.3	2350.9	2287.6	2233.7	2221.4
7661.5	37.5°	7499.6	7484.2	6499.1	4307.1	2838.0	2355.5	2167.4	2084.2	2005.5	1962.4
8162.5	40°	8017.6	8002.1	6690.3	4157.5	2562.0	2182.8	2002.5	1893.0	1795.9	1717.3
8729.7	42.5°	8600.3	8509.3	6781.2	3943.3	2327.7	2036.4	1868.3	1720.4	1592.4	1520.0
9371.0	45°	9236.9	9031.9	6779.7	3670.4	2130.4	1902.3	1725.0	1515.3	1396.6	1328.8
10029.3	47.5°	9912.1	9531.4	6696.5	3368.3	1939.3	1754.3	1503.0	1342.7	1264.1	1222.4
10744.5	50°	10608.9	9998.4	6554.6	3021.4	1743.5	1586.2	1364.3	1254.8	1194.7	1156.2
11453.7	52.5°	11264.0	10422.4	6383.5	2628.3	1544.6	1422.8	1302.6	1217.8	1154.6	1111.5
12141.2	55°	11873.0	10787.7	6141.5	2226.0	1382.8	1313.4	1273.3	1202.4	1129.9	1079.1
12839.5	57.5°	12414.0	11025.1	5723.7	1848.3	1267.1	1237.9	1242.5	1176.2	1093.0	1049.8
13527.0	60°	12864.2	11199.3	5105.6	1498.4	1173.1	1163.9	1194.7	1126.9	1029.7	980.4
14108.2	62.5°	13133.9	11196.2	4347.1	1227.1	1093.0	1096.0	1131.5	1065.2	966.5	920.3
14411.9	65°	13110.8	10921.8	3514.7	1049.8	1015.9	1019.0	1065.2	997.4	914.1	886.4
14259.3	67.5°	12646.8	10252.8	2696.2	934.2	931.1	945.0	998.9	951.1	881.8	878.7
13349.7	70°	11390.4	8863.9	1942.3	841.7	843.2	863.3	934.2	921.8	864.8	871.0
11224.0	72.5°	9133.6	6758.1	1304.1	744.6	746.1	778.5	872.5	898.7	847.8	929.5
7963.6	75°	6082.9	4214.6	838.6	641.3	642.8	684.4	818.6	854.0	801.6	926.5
4143.7	77.5°	2922.8	1894.6	607.4	539.5	539.5	578.1	707.6	764.6	682.9	719.9
1331.9	80°	1009.7	712.2	477.9	434.7	425.5	451.7	596.6	662.9	588.9	542.6
434.7	82.5°	397.7	370.0	383.8	337.6	306.8	323.7	464.0	547.2	433.2	391.6
245.1	85°	228.1	240.5	271.3	223.5	177.3	198.9	340.7	393.1	326.8	288.3
80.2	87.5°	61.7	84.8	124.9	115.6	80.2	84.8	161.9	217.4	188.1	144.9
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°
3254.2
3337.4
3470.0
3630.3
3778.3
3830.7
3832.3
3764.4
3605.7
3380.6
3144.7
2928.9
2737.8
2498.8
2230.6
1963.9
1725.0
1524.6
1325.7
1213.2
1142.3
1093.0
1059.0
1022.0
958.8
906.4
884.8
883.3
869.4
941.9
934.2
659.8
508.7
390.0
294.4
149.5
0.0

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