

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: P852921

Luminaire Tested: **GLAN-SB7B-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852921
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-SB7B-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33986 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

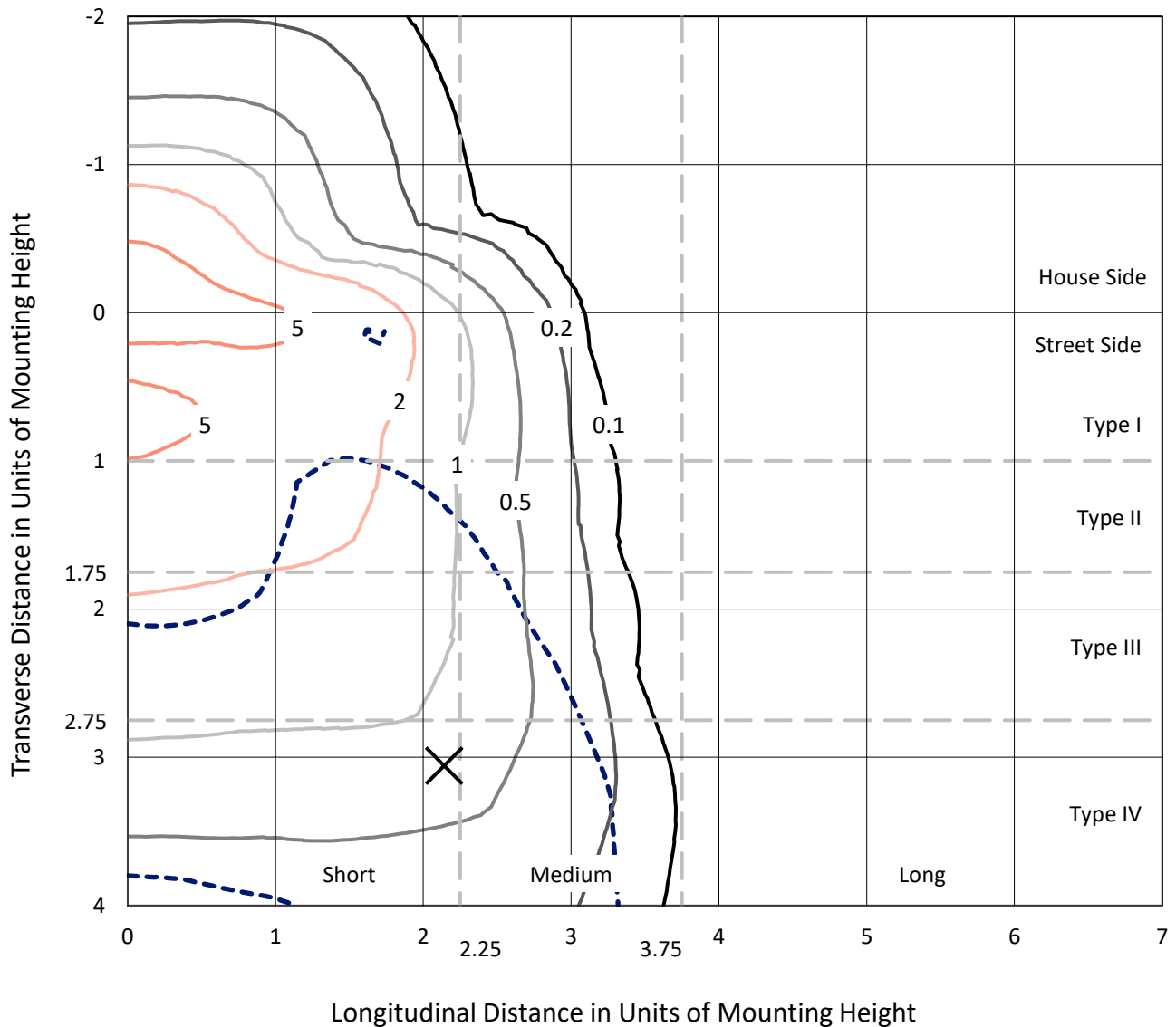
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

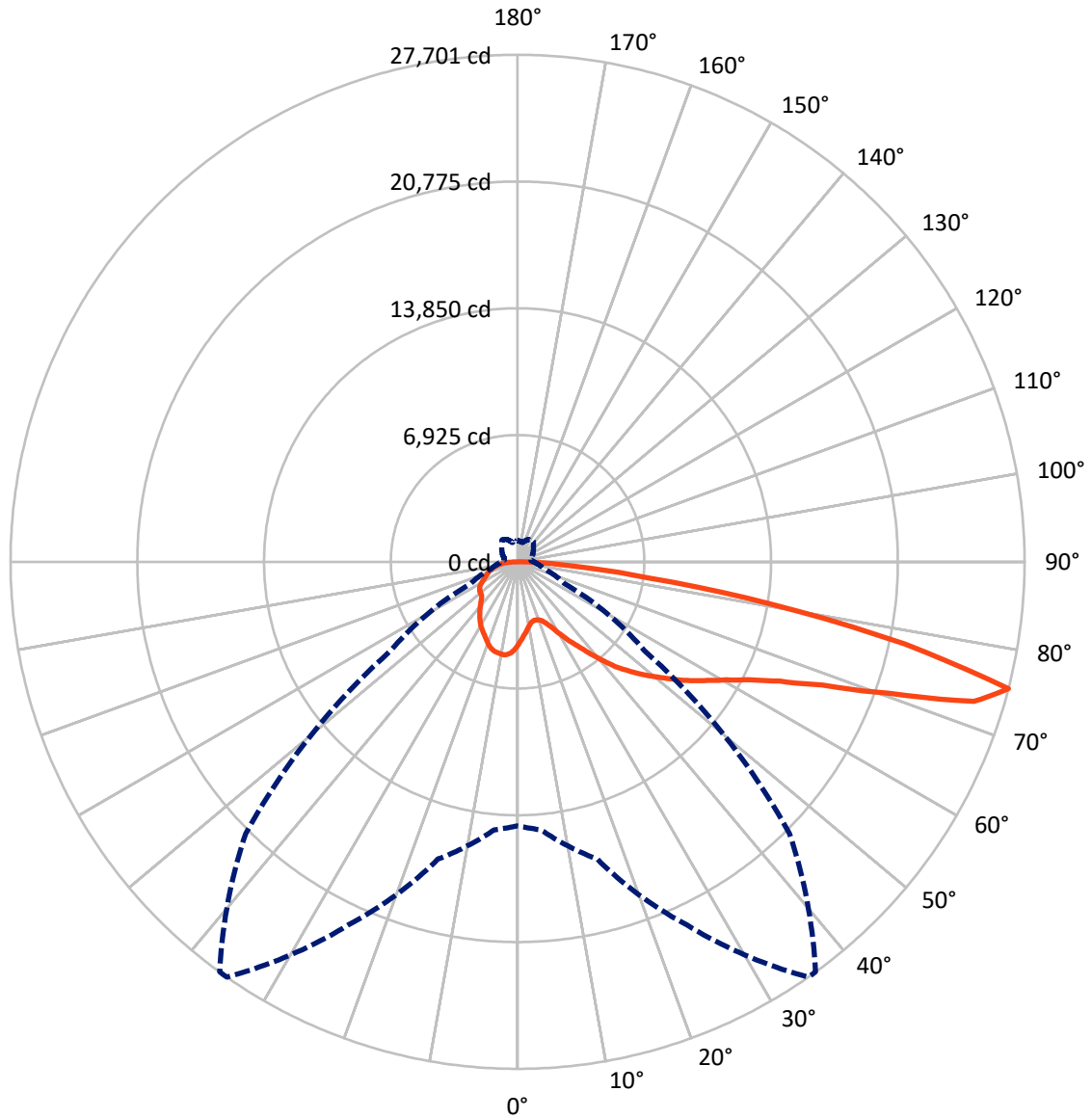
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 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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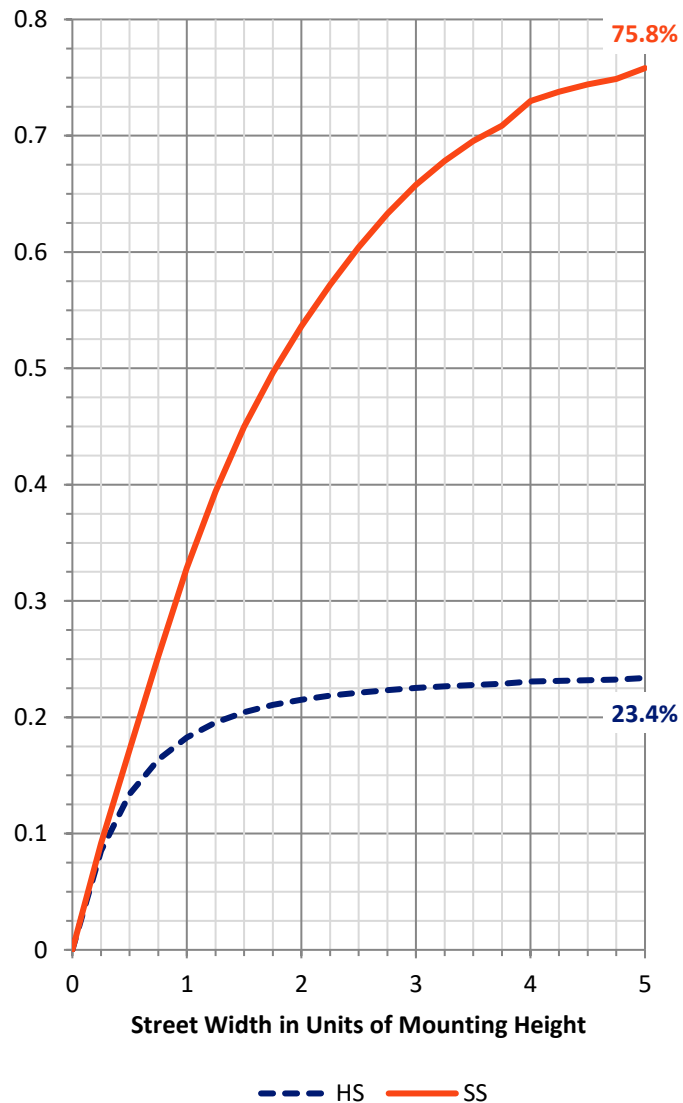
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8087.8	0.0	8087.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	25898.2	0.0	25898.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	33986.0	0.0	33986.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.8	1.3
10°-20°	1236.8	3.6
20°-30°	2076.9	6.1
30°-40°	3227.9	9.5
40°-50°	4791.0	14.1
50°-60°	6614.3	19.5
60°-70°	8024.6	23.6
70°-80°	6631.8	19.5
80°-90°	953.8	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°	33986.0	100.0
0°-180°	33986.0	100.0

Coefficient of Utilization

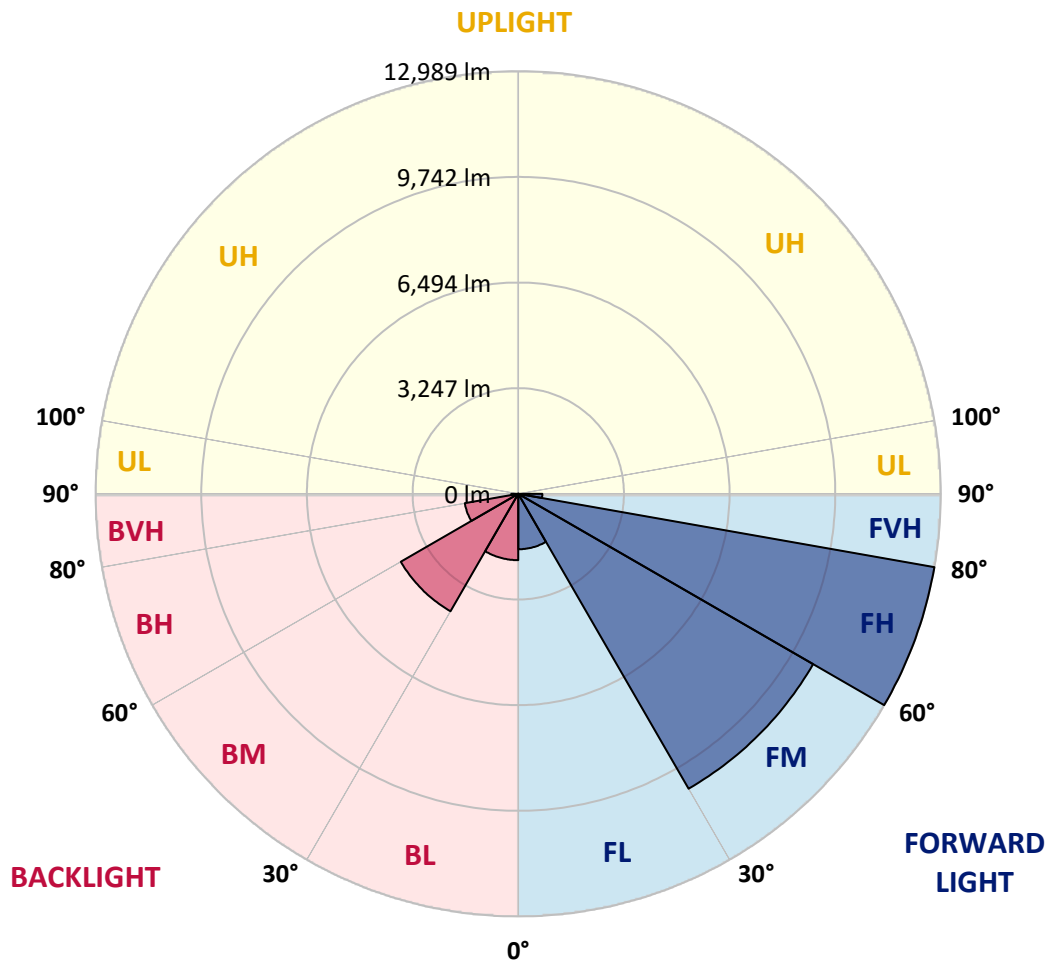


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1704.3	5.0			
FM	(30°-60°)	10465.8	30.8			
FH	(60°-80°)	12988.9	38.2			G5
FVH	(80°-90°)	739.1	2.2			G4/750
BL	(0°-30°)	2038.2	6.0	B3/2500		
BM	(30°-60°)	4167.3	12.3	B3/5000		
BH	(60°-80°)	1667.5	4.9	B3/2500		G3/2500
BVH	(80°-90°)	214.8	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-G5
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4528.9	4528.9	4528.9	4528.9	4528.9	4528.9	4528.9	4528.9	4528.9	4528.9
2.5°	4176.1	4201.8	4212.9	4207.3	4234.9	4231.2	4269.8	4317.6	4383.7	4448.0
5°	3854.6	3882.1	3906.0	3928.1	3981.4	3997.9	4058.5	4150.4	4271.6	4394.7
7.5°	3555.1	3579.0	3615.7	3656.2	3746.2	3762.7	3863.8	4007.1	4176.1	4356.2
10°	3310.8	3334.6	3373.2	3419.2	3531.2	3551.4	3680.0	3871.1	4091.6	4319.4
12.5°	3206.0	3213.4	3235.4	3281.4	3378.7	3391.6	3533.1	3751.7	4008.9	4291.9
15°	3200.5	3215.2	3217.1	3240.9	3321.8	3327.3	3457.7	3674.5	3957.5	4286.3
17.5°	3255.6	3266.7	3250.1	3264.8	3332.8	3342.0	3444.9	3637.8	3940.9	4310.2
20°	3402.6	3411.8	3362.2	3342.0	3391.6	3398.9	3500.0	3661.7	3957.5	4359.8
22.5°	3715.0	3720.5	3599.2	3516.5	3520.2	3523.9	3612.1	3759.0	4021.8	4449.9
25°	4201.8	4198.2	4005.2	3845.4	3753.5	3733.3	3792.1	3917.1	4130.2	4569.3
27.5°	4771.4	4743.8	4550.9	4312.1	4111.8	4082.4	4069.5	4122.8	4284.5	4727.3
30°	5414.4	5388.7	5181.1	4868.8	4591.3	4543.6	4422.3	4394.7	4514.2	4942.2
32.5°	6119.9	6103.4	5855.4	5476.9	5105.8	5050.6	4846.7	4773.2	4866.9	5267.4
35°	6711.5	6696.8	6491.1	6101.6	5647.8	5579.8	5372.2	5289.5	5337.3	5684.5
37.5°	7246.2	7238.8	7062.5	6755.6	6287.1	6204.5	5971.1	5943.6	5934.4	6233.8
40°	7742.2	7723.9	7540.1	7378.5	7031.2	6955.9	6750.1	6726.2	6656.4	6910.0
42.5°	8291.6	8243.8	7977.4	7902.1	7808.4	7745.9	7622.8	7626.5	7472.2	7672.4
45°	8739.9	8712.3	8438.6	8394.5	8495.5	8469.8	8576.4	8603.9	8304.4	8471.6
47.5°	9221.2	9195.5	8964.0	8932.8	9206.5	9213.9	9590.5	9599.7	9116.5	9302.1
50°	9814.7	9777.9	9548.3	9586.9	9893.7	9921.2	10610.2	10547.8	9864.3	10145.4
52.5°	10206.0	10228.1	10178.5	10240.9	10659.8	10685.5	11613.4	11453.5	10604.7	10977.7
55°	10494.5	10538.6	10692.9	10836.2	11468.2	11493.9	12559.6	12315.2	11218.4	11749.3
57.5°	10865.6	10803.1	11091.6	11370.8	12236.2	12304.2	13480.0	13145.6	11762.2	12414.4
60°	11398.4	11354.3	11578.5	11991.8	13096.0	13204.4	14453.8	13893.4	12160.9	12941.7
62.5°	12478.7	12368.5	12403.4	12769.0	14180.0	14323.3	15552.5	14545.6	12359.3	13147.5
65°	14093.7	13904.4	13728.1	13981.6	15706.8	15848.3	16792.6	15058.2	12285.8	12748.8
67.5°	16127.5	15940.1	15723.3	15962.2	17955.6	18067.7	18323.1	15346.7	11707.1	11212.8
70°	17805.0	17735.1	17994.2	18977.1	21547.5	21551.1	20285.3	15107.9	10121.5	7949.9
72.5°	17582.7	17540.4	18905.5	21944.3	26074.5	25977.1	22142.7	13300.0	6818.1	3586.3
75°	14424.4	14698.1	16812.8	21891.0	27700.5	27687.6	21005.5	8455.1	2820.2	1486.3
77.5°	7734.9	8168.5	10915.2	16162.4	21624.6	21949.8	14768.0	2958.0	1210.8	951.7
80°	2522.6	2901.0	4350.6	8229.1	14051.4	13990.8	6329.4	1161.2	828.6	674.3
82.5°	1071.1	1115.2	1943.8	3885.8	7211.3	7099.2	2015.5	666.9	582.4	461.2
85°	418.9	468.5	858.0	1796.8	3123.4	3055.4	727.6	330.7	373.0	301.3
87.5°	137.8	167.2	306.8	615.5	971.9	937.0	178.2	113.9	161.7	137.8
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°
4528.9	0°	4528.9	4528.9	4528.9	4528.9	4528.9	4528.9	4528.9	4528.9	4528.9	4528.9
4541.7	2.5°	4567.4	4596.8	4631.8	4683.2	4727.3	4764.0	4802.6	4826.5	4835.7	4863.2
4549.1	5°	4600.5	4664.8	4751.2	4835.7	4918.4	4968.0	5012.1	5034.1	5054.3	5069.0
4569.3	7.5°	4655.6	4738.3	4874.3	4984.5	5054.3	5094.7	5124.1	5116.8	5124.1	5127.8
4591.3	10°	4703.4	4819.2	4980.8	5085.6	5138.8	5140.7	5133.3	5107.6	5094.7	5096.6
4624.4	12.5°	4760.4	4889.0	5063.5	5151.7	5166.4	5126.0	5094.7	5050.6	5034.1	5026.8
4674.0	15°	4837.5	4984.5	5153.5	5186.6	5149.9	5098.4	5045.1	4973.5	4936.7	4907.3
4758.5	17.5°	4931.2	5092.9	5223.4	5199.5	5120.5	5036.0	4949.6	4841.2	4765.9	4734.6
4874.3	20°	5061.7	5206.8	5276.6	5171.9	5052.5	4923.9	4776.9	4644.6	4574.8	4543.6
5021.3	22.5°	5219.7	5359.3	5328.1	5124.1	4955.1	4749.3	4565.6	4468.2	4433.3	4411.3
5210.5	25°	5408.9	5528.3	5364.8	5054.3	4795.3	4517.8	4376.4	4345.1	4328.6	4312.1
5442.0	27.5°	5655.1	5719.4	5392.4	4951.4	4545.4	4271.6	4220.2	4225.7	4220.2	4192.6
5763.5	30°	5980.3	5967.4	5418.1	4784.2	4258.8	4049.3	4053.0	4076.9	4080.6	4062.2
6211.8	32.5°	6408.4	6277.9	5431.0	4567.4	3985.0	3854.6	3858.3	3884.0	3902.4	3871.1
6797.9	35°	6926.5	6639.9	5410.8	4295.5	3773.7	3669.0	3641.5	3648.8	3654.3	3624.9
7508.9	37.5°	7531.0	7045.9	5320.7	3994.2	3599.2	3487.1	3428.3	3378.7	3349.3	3321.8
8313.6	40°	8194.2	7488.7	5155.4	3700.3	3404.5	3294.2	3206.0	3112.3	3013.1	2976.4
9166.1	42.5°	8888.7	7944.3	4955.1	3419.2	3180.3	3090.3	2996.6	2860.6	2711.8	2636.5
10051.7	45°	9608.9	8411.0	4758.5	3141.7	2950.7	2912.1	2803.7	2640.2	2478.5	2382.9
10939.1	47.5°	10314.4	8852.0	4470.1	2862.5	2735.7	2777.9	2693.4	2542.8	2362.7	2212.1
11819.1	50°	10988.7	9265.3	3997.9	2579.5	2561.2	2737.5	2656.7	2439.9	2234.1	2041.2
12682.7	52.5°	11657.5	9599.7	3393.4	2322.3	2467.5	2726.5	2608.9	2370.1	2118.4	1916.3
13494.7	55°	12225.2	9772.4	2811.0	2101.8	2331.5	2632.8	2552.0	2287.4	1954.9	1739.9
14051.4	57.5°	12548.5	9632.8	2326.0	1885.0	2144.1	2478.5	2454.6	2111.0	1760.1	1594.7
14159.8	60°	12408.9	9066.9	1929.1	1695.8	1965.9	2311.3	2285.6	1936.5	1611.3	1455.1
13579.2	62.5°	11639.1	7988.4	1615.0	1530.4	1804.2	2140.4	2116.5	1802.4	1497.4	1346.7
12037.8	65°	10088.4	6498.4	1370.6	1392.6	1640.7	1934.6	1969.6	1690.3	1407.3	1260.4
9313.1	67.5°	7694.5	4707.1	1179.5	1273.2	1480.8	1732.5	1833.6	1609.4	1332.0	1192.4
5388.7	70°	4385.6	2673.2	1017.8	1157.5	1339.4	1545.1	1728.9	1545.1	1251.2	1135.4
2019.2	72.5°	1662.7	1227.3	880.1	1041.7	1203.4	1387.1	1613.1	1444.1	1157.5	1071.1
1043.6	75°	887.4	747.8	740.4	905.8	1047.2	1232.8	1468.0	1344.9	1087.7	1131.8
722.0	77.5°	604.5	529.1	619.2	775.3	876.4	1061.9	1313.6	1194.2	942.5	938.8
499.7	80°	418.9	374.8	503.4	624.7	678.0	892.9	1146.5	1025.2	768.0	716.5
308.7	82.5°	251.7	244.4	376.6	466.7	479.5	689.0	949.9	859.8	628.3	547.5
183.7	85°	137.8	145.1	240.7	273.8	279.3	481.4	744.1	665.1	483.2	406.0
66.1	87.5°	38.6	49.6	88.2	108.4	134.1	249.9	442.8	395.0	242.5	169.0
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°
4528.9
4861.4
5072.7
5133.3
5100.3
5023.1
4916.5
4736.5
4539.9
4415.0
4312.1
4198.2
4071.4
3885.8
3645.1
3340.2
2992.9
2645.7
2375.6
2195.5
2024.7
1894.2
1721.5
1572.7
1433.1
1322.8
1236.5
1170.3
1120.7
1056.4
1168.5
865.4
685.3
551.2
409.7
169.0
0.0

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