

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: P852815

Luminaire Tested: **GLAN-SB6C-835-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852815  
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-SB6C-835-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37165 lumens  
Efficiency: N/A  
Efficacy: 123.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

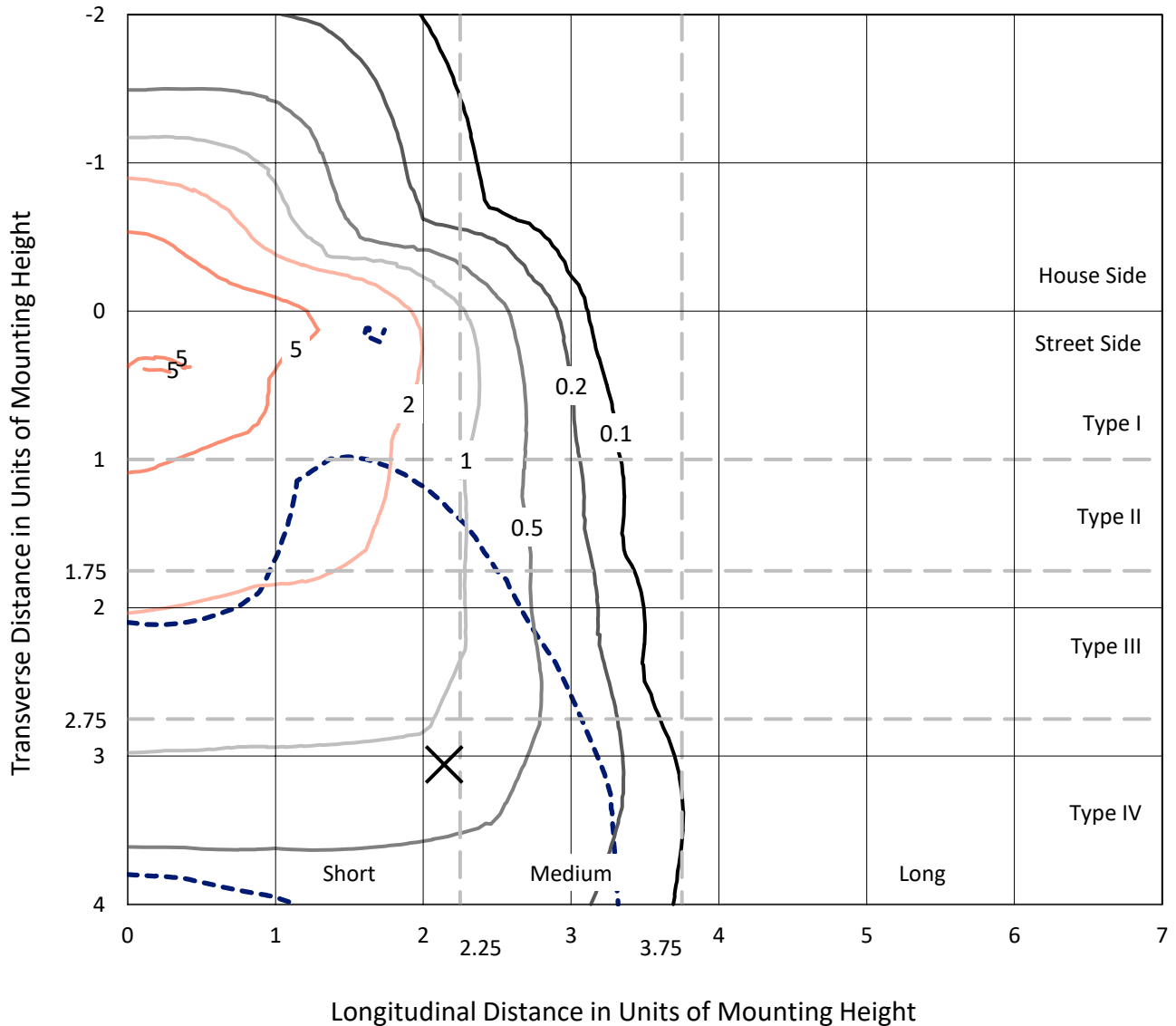
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

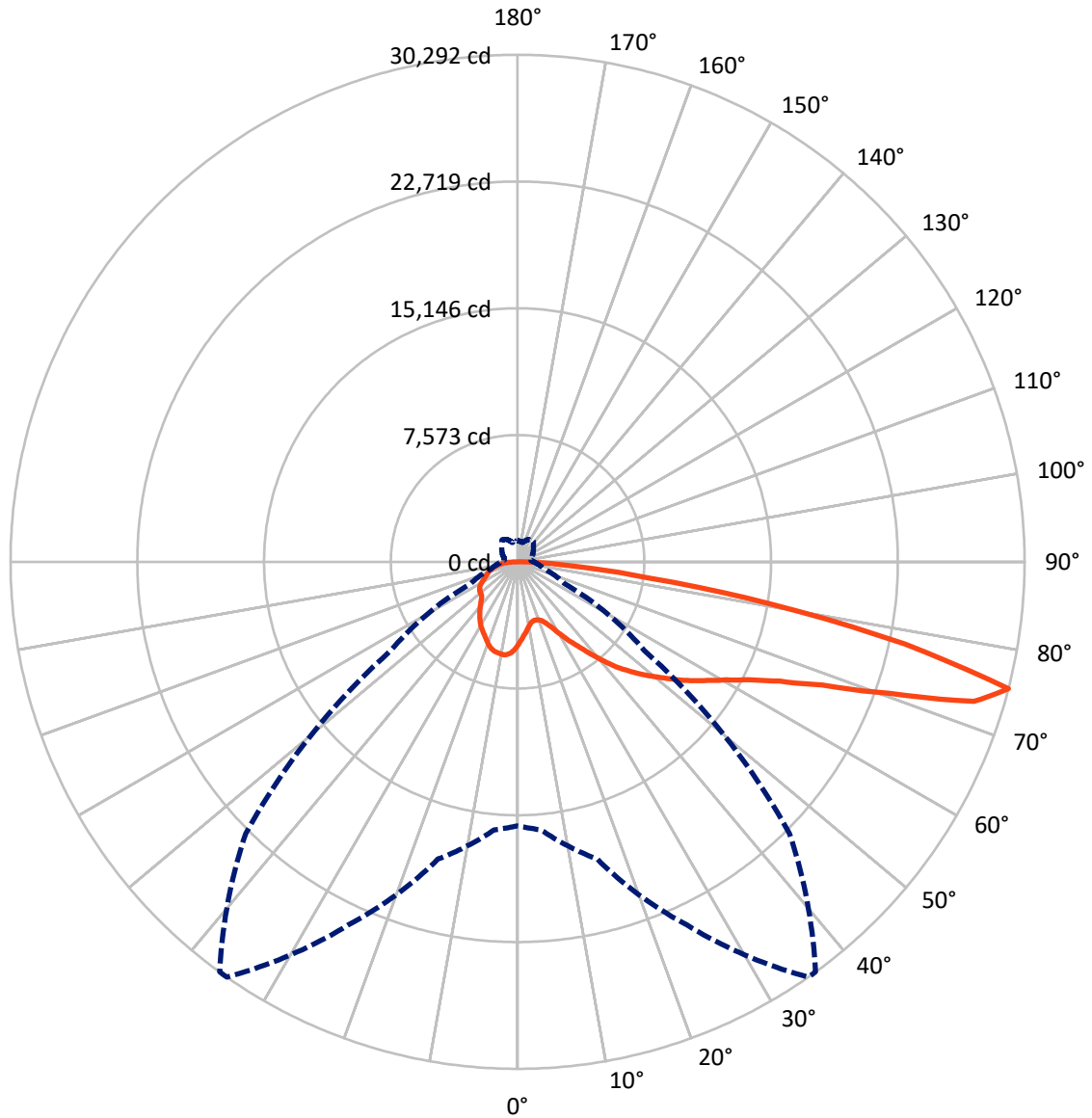
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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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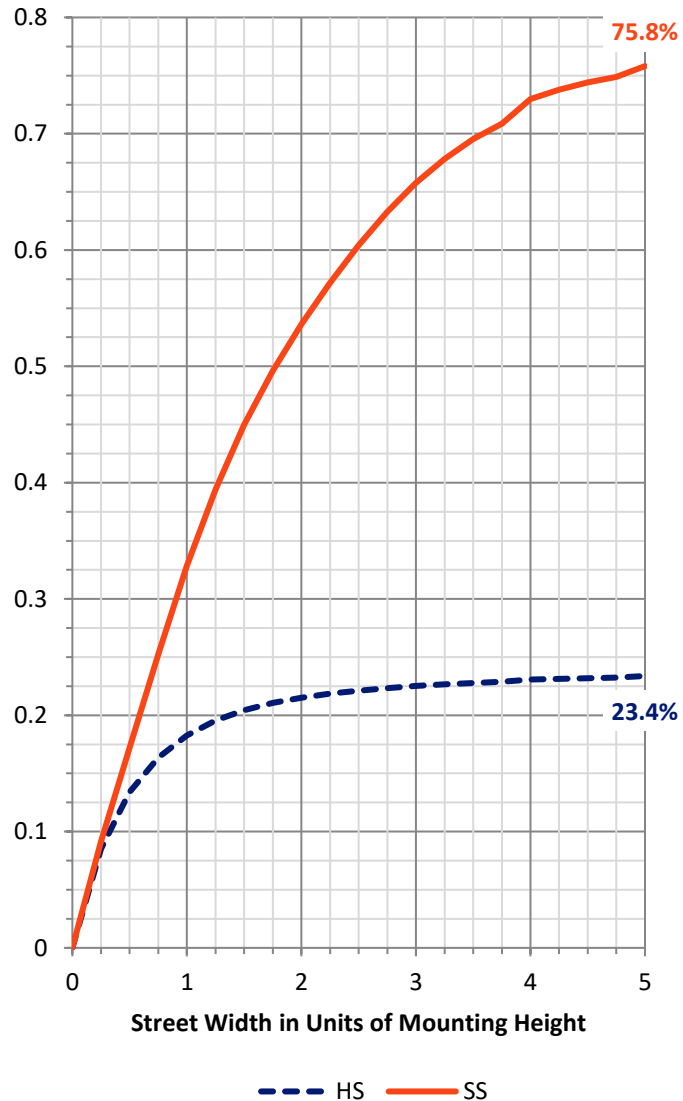
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8844.3	0.0	8844.3
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	28320.7	0.0	28320.7
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	37165.0	0.0	37165.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	468.9	1.3
10°-20°	1352.5	3.6
20°-30°	2271.2	6.1
30°-40°	3529.8	9.5
40°-50°	5239.2	14.1
50°-60°	7233.0	19.5
60°-70°	8775.3	23.6
70°-80°	7252.1	19.5
80°-90°	1043.1	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°	37165.0	100.0
0°-180°	37165.0	100.0

**Coefficient of Utilization**

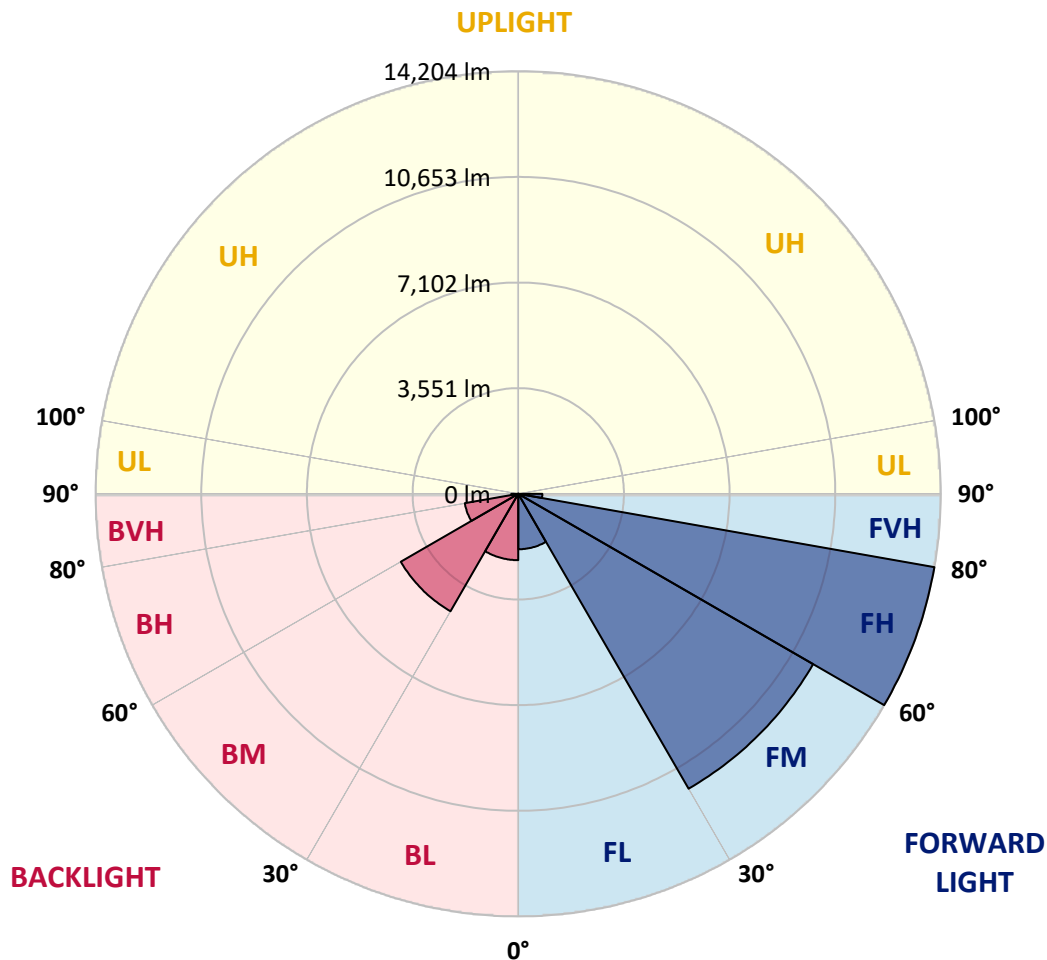


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1863.8	5.0			
FM (30°-60°)	11444.8	30.8			
FH (60°-80°)	14203.9	38.2			G5
FVH (80°-90°)	808.2	2.2			G5
BL (0°-30°)	2228.9	6.0	B3/2500		
BM (30°-60°)	4557.1	12.3	B3/5000		
BH (60°-80°)	1823.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	234.9	0.6			G3/500
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°	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5
2.5°	4566.7	4594.9	4606.9	4600.9	4631.0	4627.0	4669.2	4721.4	4793.8	4864.1
5°	4215.1	4245.3	4271.4	4295.5	4353.8	4371.9	4438.2	4538.6	4671.2	4805.8
7.5°	3887.7	3913.8	3954.0	3998.2	4096.6	4114.7	4225.2	4381.9	4566.7	4763.6
10°	3620.4	3646.6	3688.7	3739.0	3861.5	3883.6	4024.3	4233.2	4474.3	4723.4
12.5°	3505.9	3514.0	3538.1	3588.3	3694.8	3708.8	3863.5	4102.6	4383.9	4693.3
15°	3499.9	3516.0	3518.0	3544.1	3632.5	3638.5	3781.2	4018.2	4327.7	4687.3
17.5°	3560.2	3572.2	3554.1	3570.2	3644.5	3654.6	3767.1	3978.1	4309.6	4713.4
20°	3720.9	3730.9	3676.7	3654.6	3708.8	3716.9	3827.4	4004.2	4327.7	4767.6
22.5°	4062.4	4068.5	3935.9	3845.5	3849.5	3853.5	3949.9	4110.7	4398.0	4866.1
25°	4594.9	4590.8	4379.9	4205.1	4104.6	4082.5	4146.8	4283.4	4516.5	4996.7
27.5°	5217.7	5187.6	4976.6	4715.4	4496.4	4464.3	4450.2	4508.5	4685.3	5169.5
30°	5920.9	5892.8	5665.7	5324.2	5020.8	4968.6	4836.0	4805.8	4936.4	5404.5
32.5°	6692.4	6674.3	6403.1	5989.2	5583.4	5523.1	5300.1	5219.7	5322.2	5760.2
35°	7339.3	7323.3	7098.2	6672.3	6176.0	6101.7	5874.7	5784.3	5836.5	6216.2
37.5°	7924.0	7915.9	7723.1	7387.5	6875.2	6784.8	6529.6	6499.5	6489.5	6817.0
40°	8466.4	8446.4	8245.4	8068.6	7688.9	7606.5	7381.5	7355.4	7279.1	7556.3
42.5°	9067.2	9014.9	8723.6	8641.2	8538.8	8470.5	8335.9	8339.9	8171.1	8390.1
45°	9557.4	9527.3	9227.9	9179.7	9290.2	9262.1	9378.6	9408.7	9081.2	9264.1
47.5°	10083.8	10055.7	9802.5	9768.4	10067.7	10075.8	10487.6	10497.7	9969.3	10172.2
50°	10732.7	10692.6	10441.4	10483.6	10819.1	10849.3	11602.7	11534.4	10787.0	11094.4
52.5°	11160.7	11184.8	11130.5	11198.9	11656.9	11685.1	12699.7	12524.9	11596.7	12004.5
55°	11476.1	11524.3	11693.1	11849.8	12540.9	12569.1	13734.4	13467.2	12267.7	12848.3
57.5°	11882.0	11813.6	12129.1	12434.5	13380.8	13455.1	14740.9	14375.3	12862.4	13575.6
60°	12464.6	12416.4	12661.5	13113.5	14321.0	14439.6	15805.8	15193.0	13298.4	14152.3
62.5°	13646.0	13525.4	13563.6	13963.4	15506.4	15663.1	17007.2	15906.2	13515.4	14377.3
65°	15412.0	15205.0	15012.2	15289.4	17176.0	17330.7	18363.4	16466.8	13435.0	13941.3
67.5°	17636.1	17431.1	17194.1	17455.3	19635.2	19757.7	20037.0	16782.2	12802.1	12261.7
70°	19470.4	19394.1	19677.3	20752.2	23563.0	23567.0	22182.7	16521.0	11068.3	8693.5
72.5°	19227.3	19181.1	20673.9	23997.0	28513.5	28407.0	24213.9	14544.0	7455.9	3921.8
75°	15773.6	16073.0	18385.5	23938.7	30291.5	30277.5	22970.3	9246.0	3084.0	1625.4
77.5°	8458.4	8932.6	11936.2	17674.3	23647.4	24003.0	16149.3	3234.7	1324.0	1040.7
80°	2758.5	3172.4	4757.6	8998.9	15365.8	15299.5	6921.4	1269.8	906.1	737.3
82.5°	1171.3	1219.5	2125.7	4249.3	7885.8	7763.3	2204.0	729.3	636.9	504.3
85°	458.1	512.3	938.3	1964.9	3415.5	3341.2	795.6	361.6	407.9	329.5
87.5°	150.7	182.8	335.5	673.1	1062.8	1024.7	194.9	124.6	176.8	150.7
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°
4952.5	0°	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5	4952.5
4966.6	2.5°	4994.7	5026.8	5065.0	5121.3	5169.5	5209.7	5251.8	5278.0	5288.0	5318.1
4974.6	5°	5030.8	5101.2	5195.6	5288.0	5378.4	5432.7	5480.9	5505.0	5527.1	5543.2
4996.7	7.5°	5091.1	5181.5	5330.2	5450.8	5527.1	5571.3	5603.4	5595.4	5603.4	5607.5
5020.8	10°	5143.4	5269.9	5446.7	5561.3	5619.5	5621.5	5613.5	5585.4	5571.3	5573.3
5057.0	12.5°	5205.6	5346.3	5537.1	5633.6	5649.7	5605.5	5571.3	5523.1	5505.0	5497.0
5111.2	15°	5290.0	5450.8	5635.6	5671.8	5631.6	5575.3	5517.1	5438.7	5398.5	5366.4
5203.6	17.5°	5392.5	5569.3	5711.9	5685.8	5599.4	5507.0	5412.6	5294.0	5211.7	5177.5
5330.2	20°	5535.1	5693.9	5770.2	5655.7	5525.1	5384.4	5223.7	5079.1	5002.7	4968.6
5490.9	22.5°	5707.9	5860.6	5826.5	5603.4	5418.6	5193.6	4992.7	4886.2	4848.0	4823.9
5697.9	25°	5914.9	6045.5	5866.6	5527.1	5243.8	4940.4	4785.7	4751.6	4733.5	4715.4
5951.0	27.5°	6184.1	6254.4	5896.8	5414.6	4970.6	4671.2	4615.0	4621.0	4615.0	4584.8
6302.6	30°	6539.7	6525.6	5924.9	5231.8	4657.1	4428.1	4432.1	4458.2	4462.3	4442.2
6792.8	32.5°	7007.8	6865.2	5939.0	4994.7	4357.8	4215.1	4219.2	4247.3	4267.4	4233.2
7433.8	35°	7574.4	7261.0	5916.9	4697.3	4126.7	4012.2	3982.1	3990.1	3996.1	3964.0
8211.3	37.5°	8235.4	7705.0	5818.4	4367.8	3935.9	3813.3	3749.0	3694.8	3662.6	3632.5
9091.3	40°	8960.7	8189.2	5637.6	4046.4	3722.9	3602.4	3505.9	3403.5	3295.0	3254.8
10023.5	42.5°	9720.1	8687.4	5418.6	3739.0	3477.8	3379.3	3276.9	3128.2	2965.5	2883.1
10991.9	45°	10507.7	9197.8	5203.6	3435.6	3226.7	3184.5	3065.9	2887.1	2710.3	2605.8
11962.3	47.5°	11279.2	9680.0	4888.2	3130.2	2991.6	3037.8	2945.4	2780.6	2583.7	2419.0
12924.7	50°	12016.6	10132.0	4371.9	2820.8	2800.7	2993.6	2905.2	2668.1	2443.1	2232.1
13869.0	52.5°	12747.9	10497.7	3710.8	2539.5	2698.3	2981.5	2853.0	2591.8	2316.5	2095.5
14757.0	55°	13368.7	10686.5	3074.0	2298.4	2549.6	2879.1	2790.7	2501.4	2137.7	1902.6
15365.8	57.5°	13722.3	10533.8	2543.5	2061.4	2344.6	2710.3	2684.2	2308.5	1924.7	1743.9
15484.3	60°	13569.6	9915.0	2109.6	1854.4	2149.8	2527.5	2499.3	2117.6	1762.0	1591.2
14849.4	62.5°	12727.8	8735.7	1766.0	1673.6	1973.0	2340.6	2314.5	1970.9	1637.4	1472.7
13163.8	65°	11032.1	7106.3	1498.8	1522.9	1794.1	2115.6	2153.8	1848.4	1539.0	1378.3
10184.2	67.5°	8414.2	5147.4	1289.9	1392.3	1619.4	1894.6	2005.1	1760.0	1456.6	1303.9
5892.8	70°	4795.8	2923.3	1113.1	1265.7	1464.7	1689.7	1890.6	1689.7	1368.2	1241.6
2208.0	72.5°	1818.3	1342.1	962.4	1139.2	1316.0	1516.9	1764.0	1579.2	1265.7	1171.3
1141.2	75°	970.4	817.7	809.7	990.5	1145.2	1348.1	1605.3	1470.7	1189.4	1237.6
789.6	77.5°	661.0	578.6	677.1	847.8	958.4	1161.3	1436.5	1305.9	1030.7	1026.7
546.5	80°	458.1	409.9	550.5	683.1	741.4	976.4	1253.7	1121.1	839.8	783.6
337.5	82.5°	275.2	267.2	411.9	510.3	524.4	753.4	1038.7	940.3	687.1	598.7
200.9	85°	150.7	158.7	263.2	299.4	305.4	526.4	813.7	727.3	528.4	444.0
72.3	87.5°	42.2	54.2	96.4	118.5	146.7	273.2	484.2	432.0	265.2	184.8
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°
4952.5
5316.1
5547.2
5613.5
5577.3
5492.9
5376.4
5179.5
4964.5
4827.9
4715.4
4590.8
4452.2
4249.3
3986.1
3652.6
3272.9
2893.1
2597.8
2400.9
2214.1
2071.4
1882.5
1719.8
1567.1
1446.6
1352.1
1279.8
1225.6
1155.2
1277.8
946.3
749.4
602.7
448.0
184.8
0.0

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