

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: P849458

Luminaire Tested: **GLAN-SB6C-730-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849458  
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-SB6C-730-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 43899 lumens  
Efficiency: N/A  
Efficacy: 145.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4

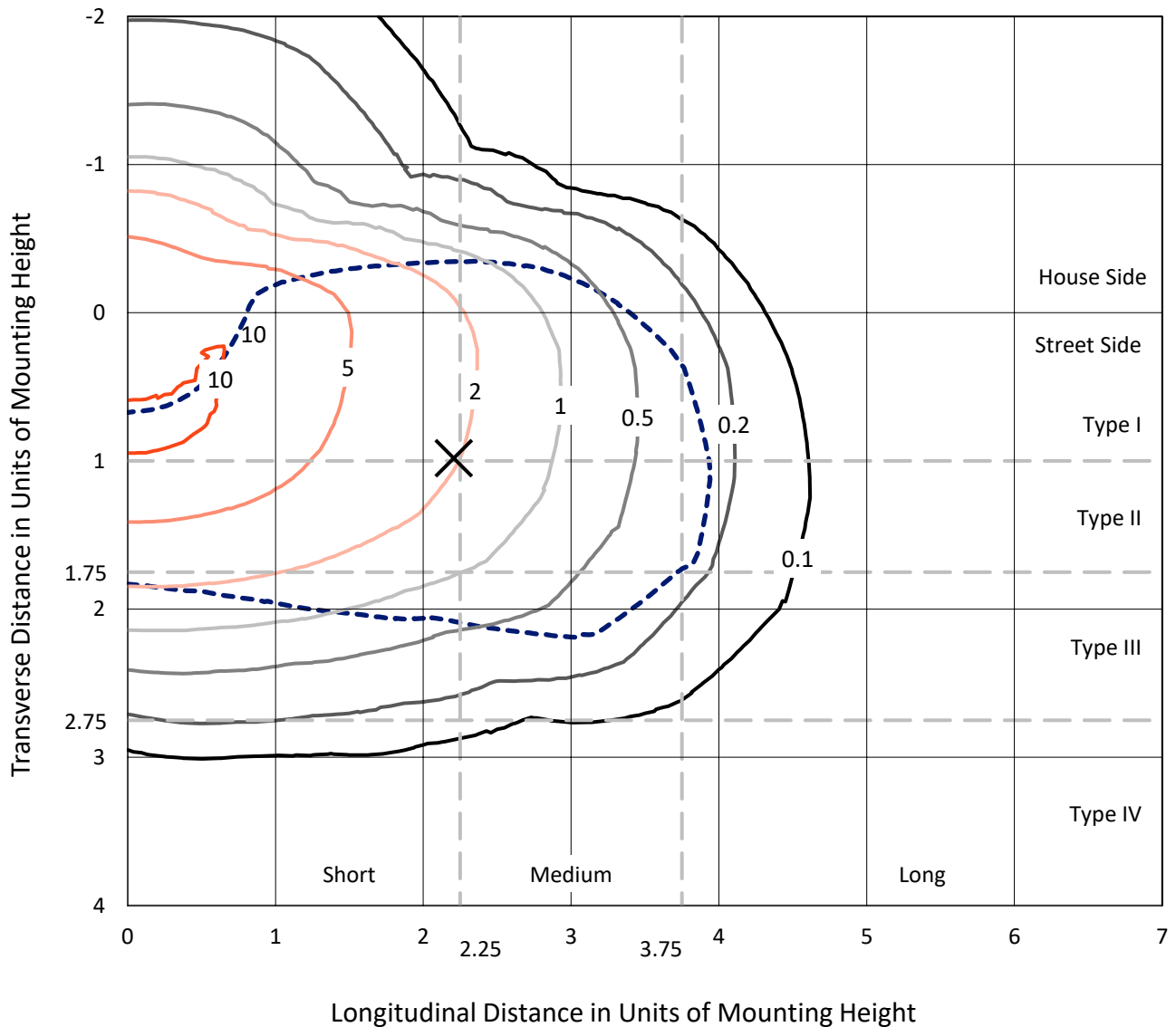
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

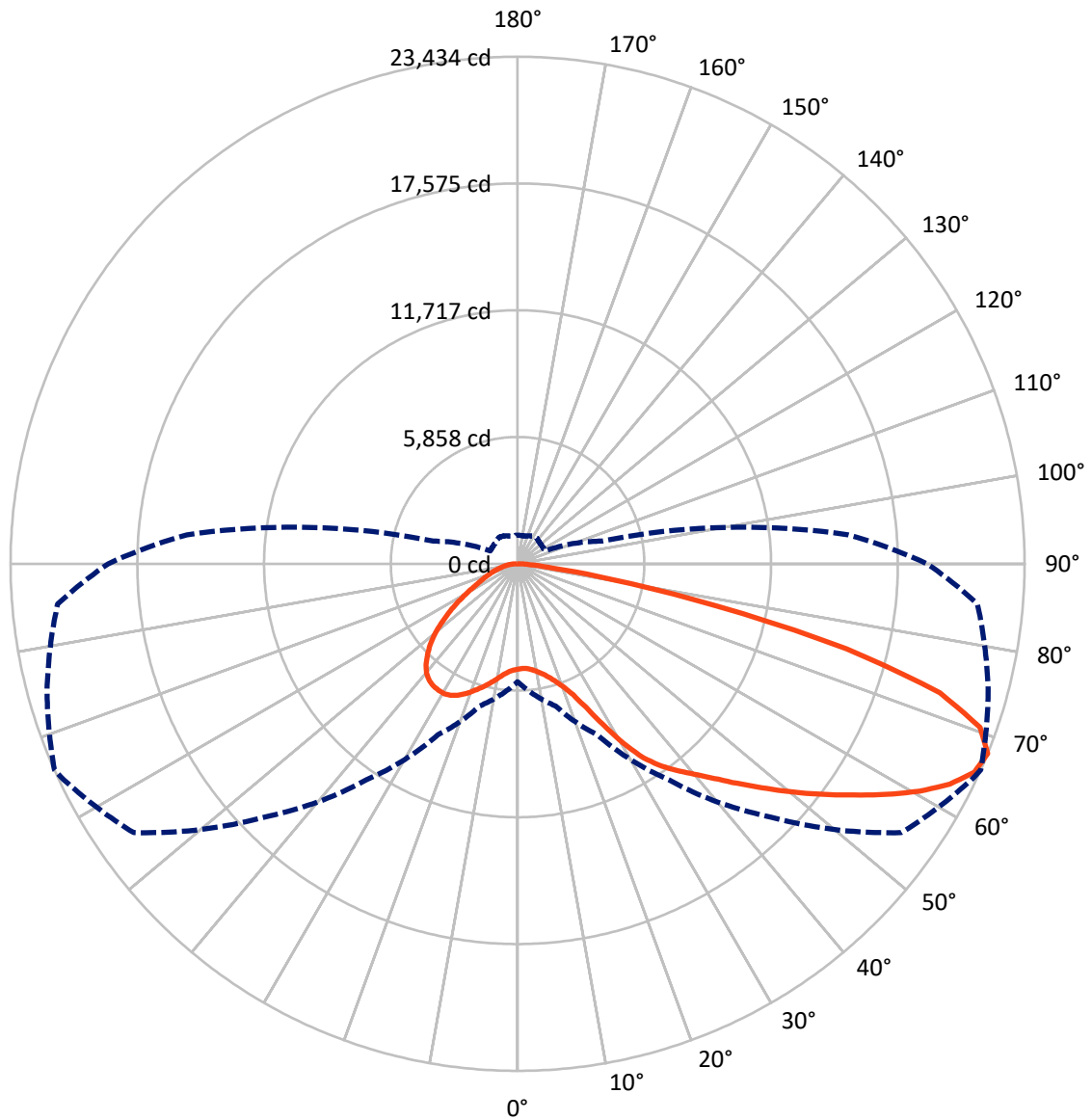
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 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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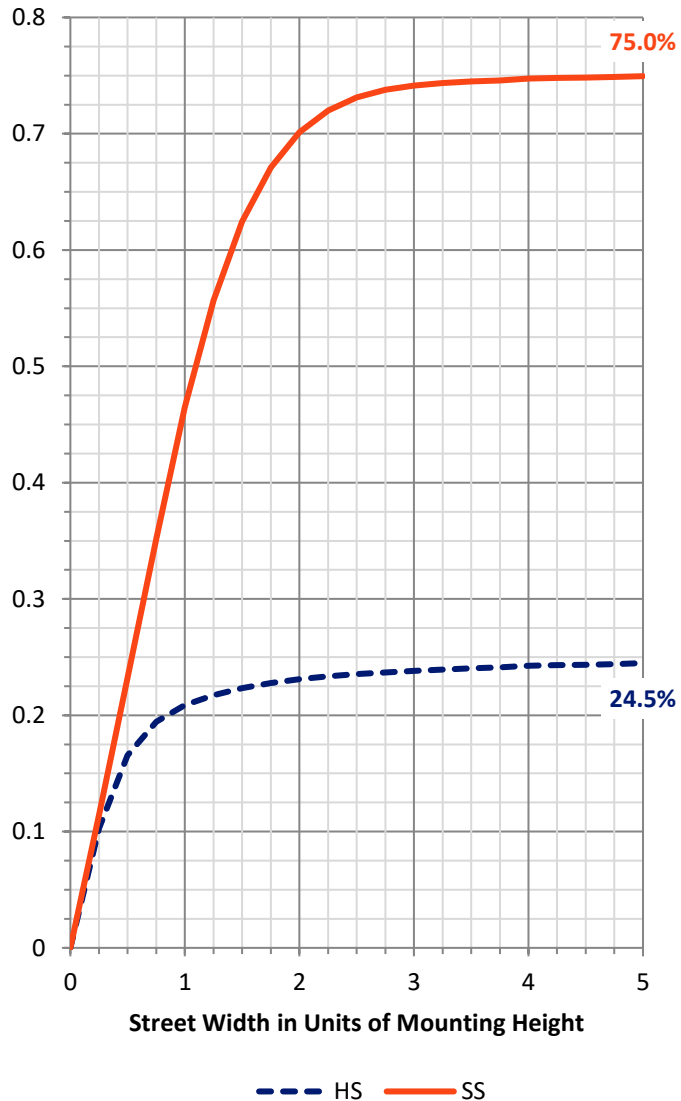
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10915.4	0.0	10915.4
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	32983.6	0.0	32983.6
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	43899.0	0.0	43899.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	482.7	1.1
10°-20°	1594.9	3.6
20°-30°	3074.1	7.0
30°-40°	5390.0	12.3
40°-50°	8013.2	18.3
50°-60°	10157.5	23.1
60°-70°	9938.9	22.6
70°-80°	4740.9	10.8
80°-90°	506.7	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°	43899.0	100.0
0°-180°	43899.0	100.0

**Coefficient of Utilization**

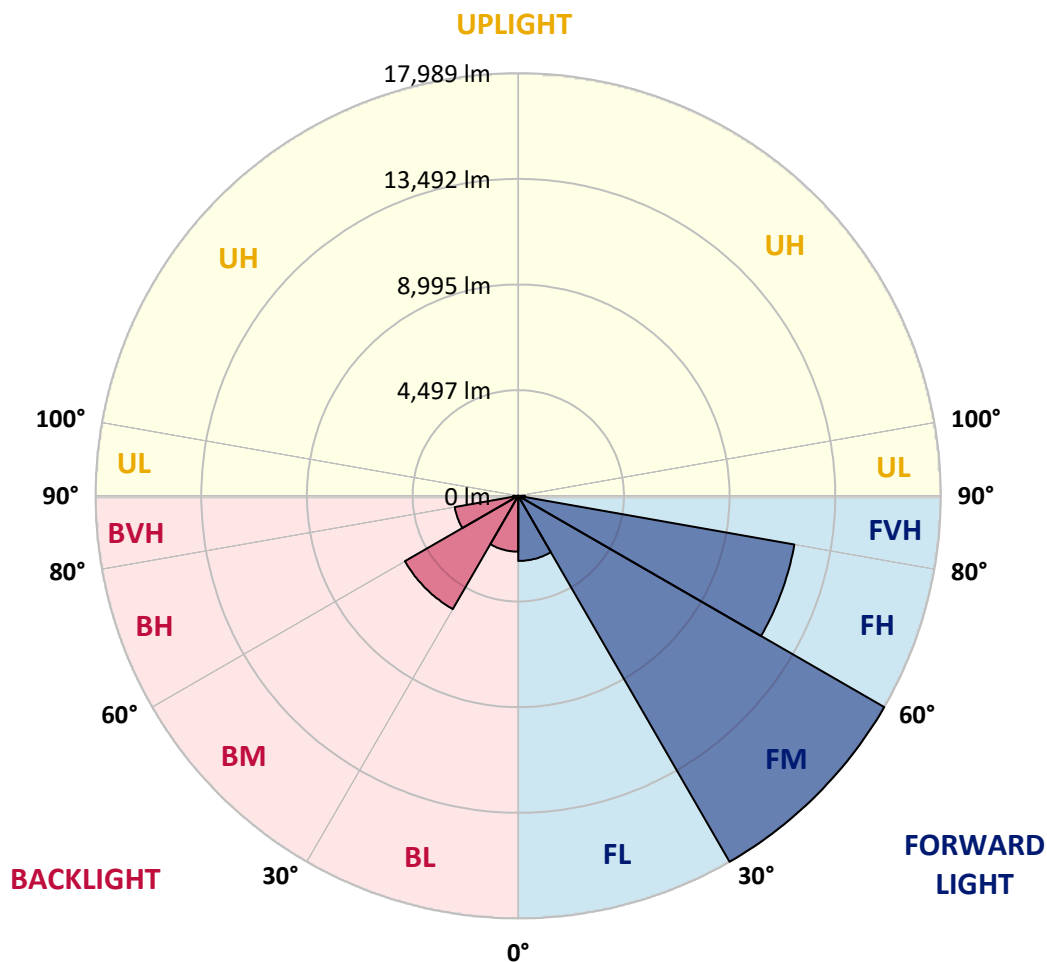


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2774.0	6.3			
FM (30°-60°)	17989.4	41.0			
FH (60°-80°)	11933.0	27.2			G4/12000
FVH (80°-90°)	287.3	0.7			G3/500
BL (0°-30°)	2377.8	5.4	B3/2500		
BM (30°-60°)	5571.3	12.7	B4/8500		
BH (60°-80°)	2746.9	6.3	B4/5000		G4/5000
BVH (80°-90°)	219.4	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4869.0	4869.0	4869.0	4869.0	4869.0	4869.0	4869.0	4869.0	4869.0	4869.0
2.5°	4818.2	4845.9	4839.0	4827.5	4825.2	4829.8	4836.7	4843.6	4841.3	4852.8
5°	4804.4	4832.1	4829.8	4829.8	4839.0	4857.4	4869.0	4880.5	4869.0	4882.8
7.5°	4813.6	4834.4	4843.6	4852.8	4875.9	4910.5	4938.2	4963.5	4949.7	4965.9
10°	4931.3	4947.4	4956.6	4956.6	4972.8	5012.0	5039.7	5085.8	5074.3	5099.6
12.5°	5145.8	5161.9	5161.9	5152.7	5164.2	5189.6	5198.8	5249.5	5228.8	5270.3
15°	5408.7	5441.0	5415.6	5399.5	5404.1	5429.5	5427.1	5466.4	5445.6	5480.2
17.5°	5699.3	5740.8	5699.3	5697.0	5687.8	5715.5	5717.8	5752.4	5715.5	5740.8
20°	6043.0	6100.6	6066.0	6077.6	6056.8	6068.3	6079.9	6130.6	6073.0	6091.4
22.5°	6527.3	6596.5	6559.6	6603.5	6589.6	6580.4	6578.1	6668.0	6578.1	6585.0
25°	7233.1	7316.2	7251.6	7311.5	7311.5	7341.5	7376.1	7491.4	7341.5	7297.7
27.5°	8275.7	8358.7	8231.8	8268.7	8257.2	8331.0	8294.1	8580.1	8418.7	8347.2
30°	9530.4	9678.0	9438.1	9428.9	9417.4	9535.0	9588.0	9777.2	9613.4	9541.9
32.5°	10886.6	11041.1	10755.1	10672.1	10628.3	10699.8	10655.9	10808.2	10695.1	10584.4
35°	12321.2	12473.4	12201.3	12039.8	11864.5	11714.6	11557.8	11597.0	11490.9	11322.5
37.5°	13677.4	13956.5	13668.2	13495.2	13172.3	12879.4	12441.2	12258.9	12159.8	12005.2
40°	15059.0	15218.2	14999.0	14851.4	14500.8	14041.9	13340.7	12955.5	12821.7	12671.8
42.5°	16076.2	16228.4	16110.8	16009.3	15734.8	15202.0	14295.6	13813.5	13619.8	13451.4
45°	16883.4	16996.5	16922.6	16959.5	16841.9	16325.3	15285.0	14733.8	14533.1	14327.9
47.5°	17208.6	17328.6	17446.2	17665.3	17866.0	17485.4	16348.3	15730.2	15518.0	15308.1
50°	17171.7	17294.0	17635.3	18101.3	18724.0	18597.1	17469.3	16791.2	16595.1	16355.2
52.5°	16876.5	17014.9	17453.1	18228.1	19219.9	19429.8	18611.0	17886.8	17702.2	17416.2
55°	16101.5	16184.6	16841.9	17939.8	19337.5	20011.0	19729.6	19053.8	18869.3	18470.3
57.5°	14664.6	14784.5	15741.7	17162.5	19042.3	20405.4	20712.2	20280.9	20103.3	19529.0
60°	12789.4	12980.9	14076.4	15857.0	18290.4	20403.1	21604.8	21487.2	21339.6	20571.5
62.5°	10667.5	10888.9	11943.0	14011.9	16975.7	19824.2	22163.0	22497.4	22421.3	21533.3
65°	8192.6	8344.8	9394.3	11624.7	14929.8	18581.0	22227.5	23187.0	23200.9	22264.5
67.5°	5454.8	5893.1	6804.1	8723.1	12189.7	16549.0	21660.2	23300.1	23433.8	22515.9
70°	2661.7	3238.3	4130.9	5669.3	8723.1	13432.9	20177.1	22372.9	22670.4	21782.4
72.5°	1104.8	1291.6	1778.3	2797.8	5007.4	9064.5	17197.1	19858.8	20410.0	19300.6
75°	745.0	807.3	1017.2	1434.6	2281.1	4470.0	12401.9	14807.6	15695.6	14577.0
77.5°	574.3	613.5	740.4	1003.3	1356.2	1690.6	6638.0	8923.8	9382.8	8686.2
80°	452.1	482.1	553.6	731.2	961.8	904.1	2262.7	4043.3	4308.5	3614.3
82.5°	392.1	403.6	396.7	495.9	638.9	528.2	742.7	1492.3	1646.8	1194.8
85°	283.7	316.0	329.8	306.8	339.1	267.6	304.5	528.2	581.2	519.0
87.5°	115.3	170.7	209.9	198.4	124.5	76.1	94.6	154.5	177.6	193.7
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°
4869.0	0°	4869.0	4869.0	4869.0	4869.0	4869.0	4869.0	4869.0	4869.0	4869.0	4869.0
4871.3	2.5°	4873.6	4889.7	4901.3	4915.1	4924.3	4938.2	4965.9	4982.0	4984.3	4995.8
4908.2	5°	4917.4	4940.5	4965.9	5002.8	5044.3	5078.9	5131.9	5168.8	5182.7	5194.2
4998.1	7.5°	5012.0	5044.3	5090.4	5155.0	5215.0	5261.1	5325.7	5369.5	5413.3	5429.5
5141.1	10°	5152.7	5198.8	5265.7	5353.3	5417.9	5477.9	5544.8	5581.7	5625.5	5644.0
5311.8	12.5°	5328.0	5376.4	5464.1	5586.3	5646.3	5687.8	5710.8	5701.6	5710.8	5727.0
5517.1	15°	5528.6	5581.7	5680.9	5812.3	5853.8	5816.9	5766.2	5720.1	5713.2	5717.8
5766.2	17.5°	5766.2	5805.4	5920.7	6031.4	6001.5	5849.2	5738.5	5664.7	5627.8	5616.3
6084.5	20°	6098.3	6098.3	6192.9	6262.1	6061.4	5803.1	5630.1	5510.2	5434.1	5401.8
6518.1	22.5°	6502.0	6465.1	6525.0	6476.6	6049.9	5673.9	5434.1	5226.5	5111.2	5065.0
7124.7	25°	7014.0	6970.2	6954.0	6654.2	5966.9	5468.7	5078.9	4827.5	4726.0	4700.6
7998.9	27.5°	7786.7	7676.0	7466.1	6751.1	5814.6	5145.8	4663.7	4430.7	4373.1	4375.4
9122.1	30°	8815.4	8593.9	8079.6	6767.2	5565.5	4689.1	4239.3	4073.2	4045.6	4057.1
10065.5	32.5°	9767.9	9558.1	8707.0	6693.4	5182.7	4241.6	3858.7	3748.0	3706.5	3720.4
10785.1	35°	10515.2	10457.6	9288.2	6589.6	4712.1	3821.8	3517.4	3422.8	3342.1	3323.6
11463.2	37.5°	11221.0	11198.0	9724.1	6444.3	4246.2	3524.3	3242.9	3118.4	3000.7	2936.1
12212.8	40°	11996.0	11972.9	10010.1	6220.6	3833.4	3266.0	2996.1	2832.4	2687.0	2569.4
13061.6	42.5°	12867.9	12731.8	10146.2	5900.0	3482.8	3046.9	2795.5	2574.0	2382.6	2274.2
14021.1	45°	13820.4	13513.7	10143.9	5491.7	3187.6	2846.2	2581.0	2267.3	2089.7	1988.2
15006.0	47.5°	14830.7	14261.0	10019.3	5039.7	2901.6	2624.8	2248.8	2008.9	1891.3	1829.0
16076.2	50°	15873.2	14959.8	9807.2	4520.7	2608.6	2373.4	2041.2	1877.5	1787.5	1729.9
17137.1	52.5°	16853.4	15594.1	9551.1	3932.5	2311.1	2128.9	1949.0	1822.1	1727.6	1663.0
18165.8	55°	17764.5	16140.7	9189.0	3330.6	2068.9	1965.1	1905.2	1799.1	1690.6	1614.5
19210.7	57.5°	18574.1	16495.9	8564.0	2765.5	1895.9	1852.1	1859.0	1759.8	1635.3	1570.7
20239.4	60°	19247.6	16756.6	7639.1	2241.9	1755.2	1741.4	1787.5	1686.0	1540.7	1466.9
21108.9	62.5°	19651.2	16752.0	6504.3	1836.0	1635.3	1639.9	1693.0	1593.8	1446.2	1377.0
21563.3	65°	19616.6	16341.4	5258.8	1570.7	1520.0	1524.6	1593.8	1492.3	1367.7	1326.2
21334.9	67.5°	18922.4	15340.4	4034.0	1397.7	1393.1	1413.9	1494.6	1423.1	1319.3	1314.7
19974.1	70°	17042.6	13262.3	2906.2	1259.3	1261.6	1291.6	1397.7	1379.3	1293.9	1303.2
16793.5	72.5°	13665.9	10111.6	1951.3	1114.0	1116.3	1164.8	1305.5	1344.7	1268.6	1390.8
11915.3	75°	9101.4	6305.9	1254.7	959.5	961.8	1024.1	1224.7	1277.8	1199.4	1386.2
6199.8	77.5°	4373.1	2834.7	908.8	807.3	807.3	864.9	1058.7	1144.0	1021.8	1077.1
1992.8	80°	1510.7	1065.6	715.0	650.4	636.6	675.8	892.6	991.8	881.1	811.9
650.4	82.5°	595.1	553.6	574.3	505.1	459.0	484.4	694.3	818.8	648.1	585.8
366.7	85°	341.4	359.8	405.9	334.4	265.2	297.5	509.7	588.2	489.0	431.3
119.9	87.5°	92.3	126.9	186.8	173.0	119.9	126.9	242.2	325.2	281.4	216.8
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°
4869.0
4993.5
5191.9
5431.8
5653.2
5731.6
5733.9
5632.4
5394.9
5058.1
4705.2
4382.3
4096.3
3738.8
3337.5
2938.5
2581.0
2281.1
1983.6
1815.2
1709.1
1635.3
1584.6
1529.2
1434.6
1356.2
1323.9
1321.6
1300.9
1409.3
1397.7
987.2
761.1
583.5
440.5
223.7
0.0

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