

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: P853069

Luminaire Tested: **GLAN-SB8C-722-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853069  
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-SB8C-722-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

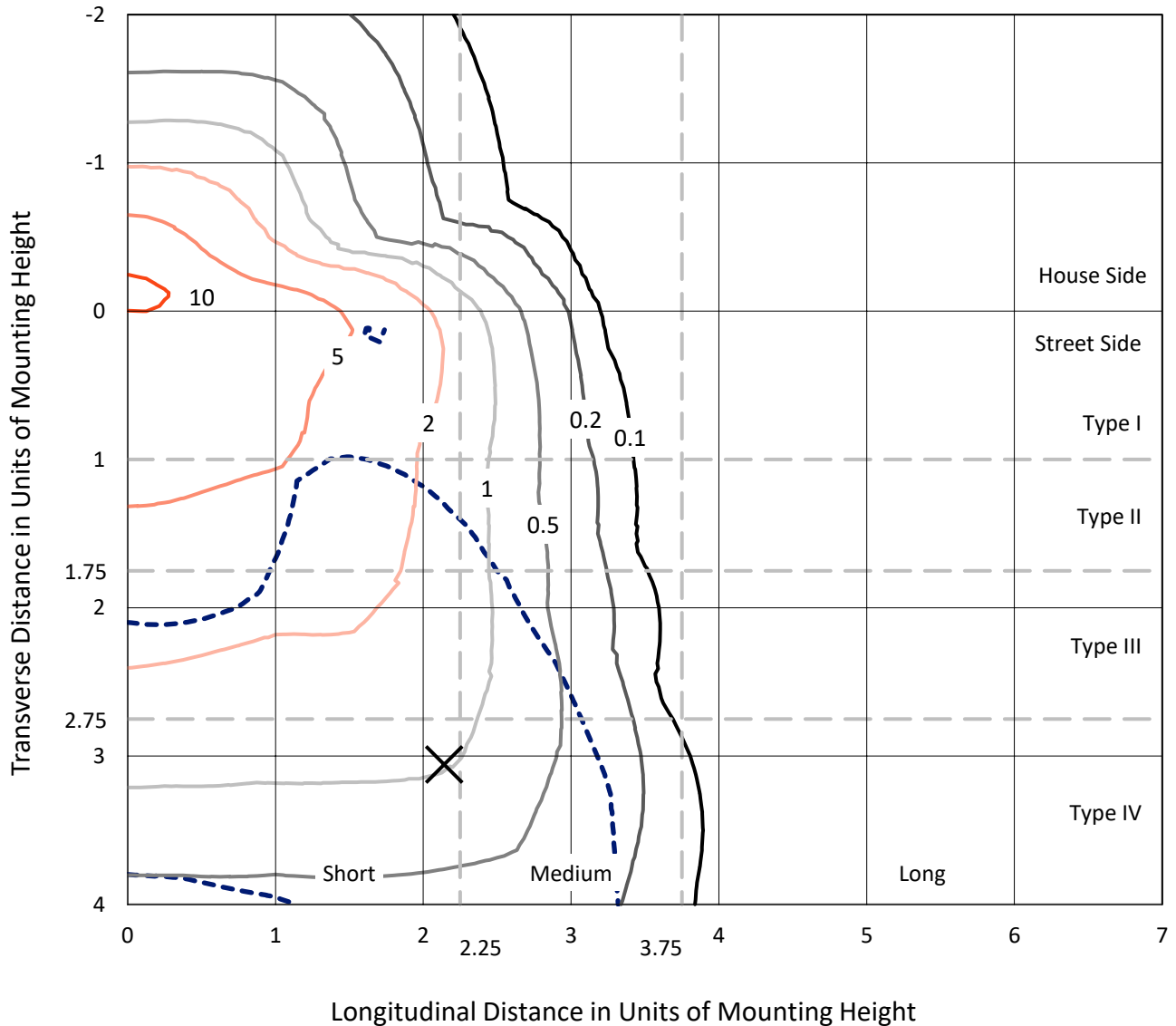
Lumens per Lamp: N/A  
Luminaire Lumens: 46805 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 399.8  
Input Voltage (V): NR  
Input Current (Ain): 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

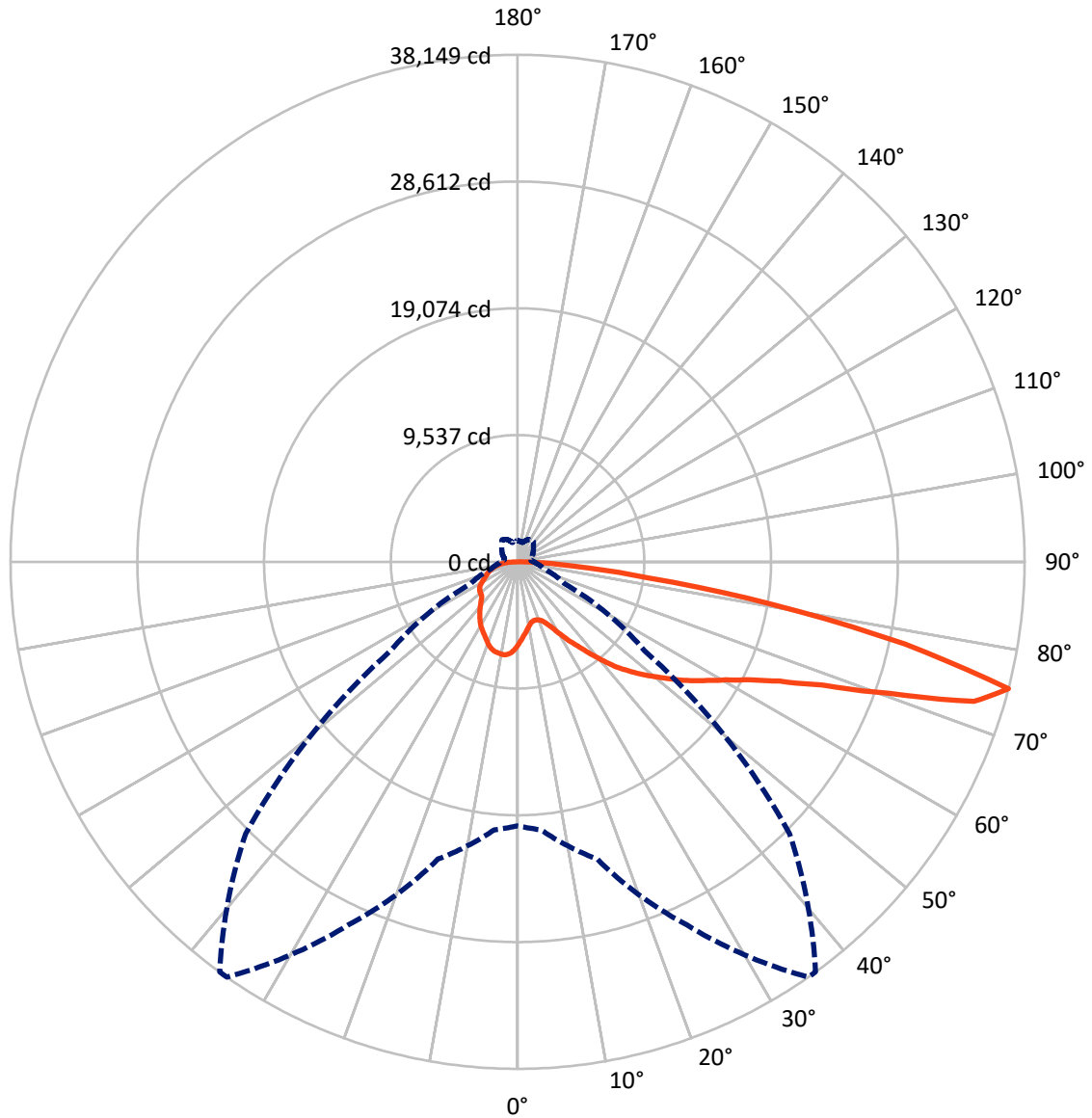
✕ Max cd  
 - - - 1/2 Max cd



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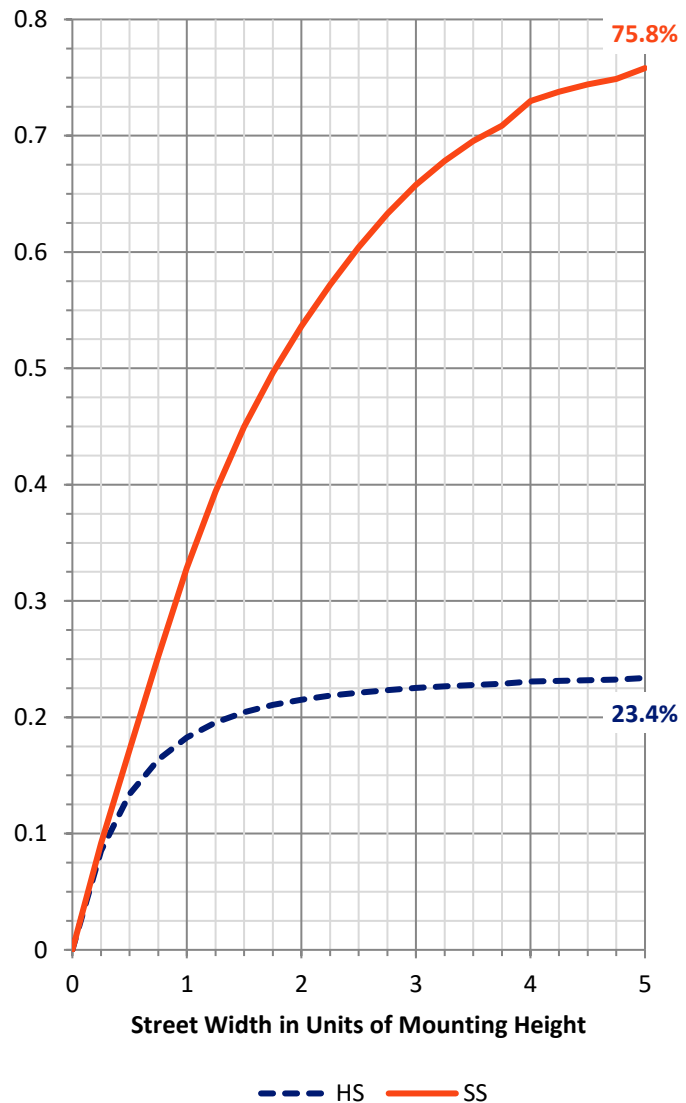
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11138.4	0.0	11138.4
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	35666.6	0.0	35666.6
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	46805.0	0.0	46805.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	590.5	1.3
10°-20°	1703.3	3.6
20°-30°	2860.3	6.1
30°-40°	4445.4	9.5
40°-50°	6598.1	14.1
50°-60°	9109.1	19.5
60°-70°	11051.4	23.6
70°-80°	9133.2	19.5
80°-90°	1313.6	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°	46805.0	100.0
0°-180°	46805.0	100.0

**Coefficient of Utilization**

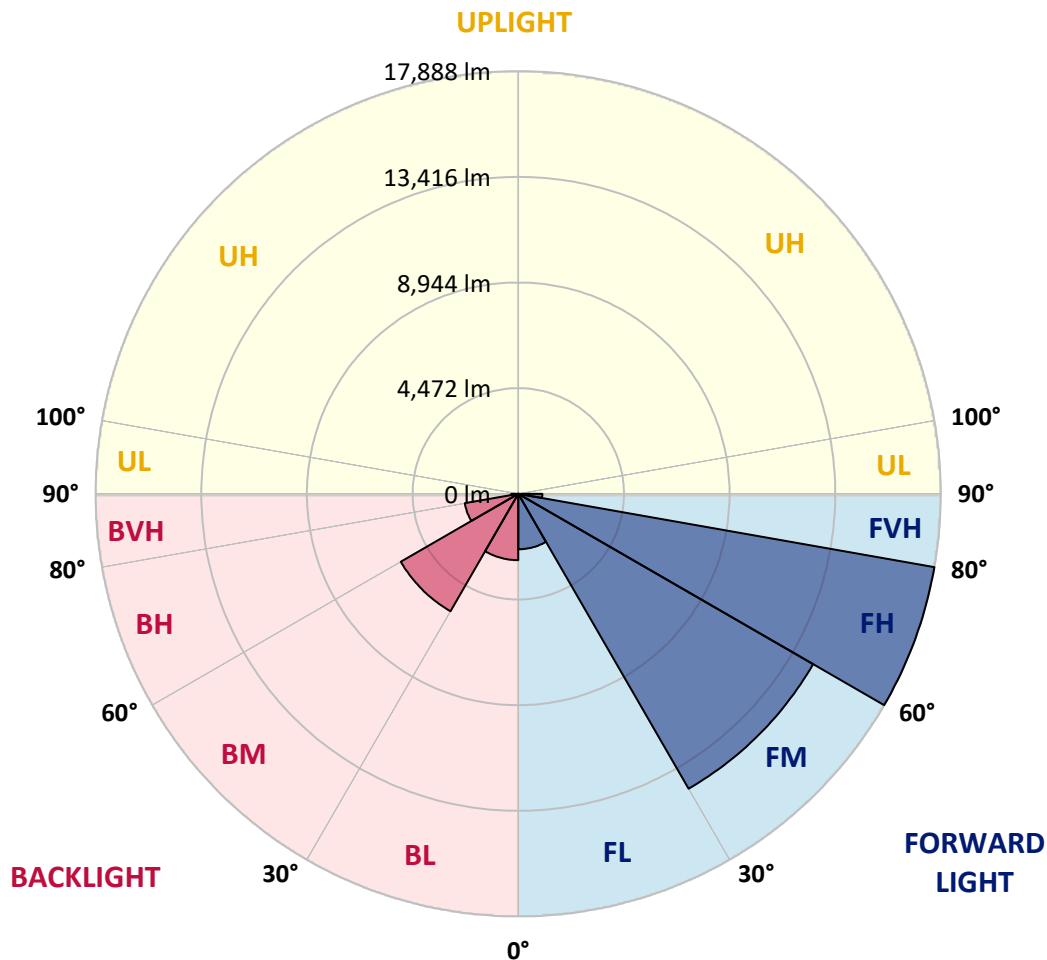


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2347.2	5.0			
FM (30°-60°)	14413.4	30.8			
FH (60°-80°)	17888.2	38.2			G5
FVH (80°-90°)	1017.8	2.2			G5
BL (0°-30°)	2807.0	6.0	B4/5000		
BM (30°-60°)	5739.2	12.3	B4/8500		
BH (60°-80°)	2296.4	4.9	B3/2500		G3/2500
BVH (80°-90°)	295.8	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	6237.1	6237.1	6237.1	6237.1	6237.1	6237.1	6237.1	6237.1	6237.1	6237.1
2.5°	5751.3	5786.7	5801.9	5794.3	5832.2	5827.2	5880.3	5946.1	6037.2	6125.8
5°	5308.5	5346.4	5379.3	5409.7	5483.1	5505.8	5589.3	5715.8	5882.8	6052.4
7.5°	4896.0	4928.9	4979.5	5035.2	5159.2	5182.0	5321.1	5518.5	5751.3	5999.2
10°	4559.5	4592.4	4645.6	4708.8	4863.2	4891.0	5068.1	5331.3	5634.9	5948.6
12.5°	4415.3	4425.4	4455.8	4519.0	4653.1	4670.9	4865.7	5166.8	5521.0	5910.7
15°	4407.7	4427.9	4430.5	4463.4	4574.7	4582.3	4761.9	5060.5	5450.2	5903.1
17.5°	4483.6	4498.8	4476.0	4496.3	4589.9	4602.5	4744.2	5009.9	5427.4	5936.0
20°	4686.0	4698.7	4630.4	4602.5	4670.9	4681.0	4820.1	5042.8	5450.2	6004.3
22.5°	5116.2	5123.8	4956.8	4842.9	4848.0	4853.0	4974.5	5176.9	5538.7	6128.3
25°	5786.7	5781.6	5516.0	5295.8	5169.3	5141.5	5222.4	5394.5	5688.0	6292.7
27.5°	6571.1	6533.1	6267.4	5938.5	5662.7	5622.2	5604.5	5677.9	5900.6	6510.4
30°	7456.7	7421.2	7135.3	6705.2	6323.1	6257.3	6090.3	6052.4	6216.8	6806.4
32.5°	8428.3	8405.5	8063.9	7542.7	7031.6	6955.7	6674.8	6573.6	6702.7	7254.2
35°	9243.0	9222.8	8939.4	8403.0	7778.0	7684.4	7398.5	7284.6	7350.4	7828.6
37.5°	9979.3	9969.2	9726.3	9303.8	8658.5	8544.7	8223.3	8185.4	8172.7	8585.2
40°	10662.5	10637.2	10384.2	10161.5	9683.3	9579.6	9296.2	9263.3	9167.1	9516.3
42.5°	11419.0	11353.3	10986.4	10882.6	10753.6	10667.6	10498.0	10503.1	10290.6	10566.4
45°	12036.4	11998.5	11621.5	11560.7	11699.9	11664.5	11811.2	11849.2	11436.8	11667.0
47.5°	12699.4	12663.9	12345.1	12302.1	12679.1	12689.2	13207.9	13220.6	12555.1	12810.7
50°	13516.6	13466.0	13149.7	13202.9	13625.4	13663.4	14612.2	14526.2	13584.9	13972.1
52.5°	14055.6	14085.9	14017.6	14103.7	14680.5	14716.0	15993.8	15773.6	14604.6	15118.3
55°	14452.8	14513.6	14726.1	14923.5	15793.9	15829.3	17296.8	16960.3	15449.7	16181.0
57.5°	14963.9	14877.9	15275.2	15659.8	16851.5	16945.1	18564.5	18104.0	16198.7	17096.9
60°	15697.7	15637.0	15945.7	16515.0	18035.7	18185.0	19905.5	19133.8	16747.8	17823.1
62.5°	17185.5	17033.7	17081.8	17585.3	19528.5	19725.9	21418.6	20032.0	17021.0	18106.5
65°	19409.6	19149.0	18906.1	19255.3	21631.2	21826.0	23126.5	20738.0	16919.8	17557.5
67.5°	22210.6	21952.5	21653.9	21982.9	24728.2	24882.5	25234.3	21135.2	16122.8	15442.2
70°	24520.7	24424.6	24781.3	26135.0	29674.9	29679.9	27936.6	20806.3	13939.2	10948.4
72.5°	24214.6	24156.4	26036.3	30221.4	35909.4	35775.3	30494.7	18316.5	9389.8	4939.1
75°	19865.0	20242.1	23154.4	30148.0	38148.7	38131.0	28928.4	11644.2	3883.9	2047.0
77.5°	10652.4	11249.5	15032.3	22258.7	29781.1	30229.0	20338.2	4073.7	1667.4	1310.7
80°	3474.0	3995.3	5991.6	11333.0	19351.4	19267.9	8716.7	1599.1	1141.1	928.6
82.5°	1475.1	1535.9	2677.0	5351.5	9931.3	9776.9	2775.7	918.5	802.1	635.1
85°	576.9	645.2	1181.6	2474.6	4301.4	4207.8	1002.0	455.4	513.6	415.0
87.5°	189.8	230.3	422.6	847.6	1338.5	1290.4	245.4	156.9	222.7	189.8
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°
6237.1	0°	6237.1	6237.1	6237.1	6237.1	6237.1	6237.1	6237.1	6237.1	6237.1	6237.1
6254.8	2.5°	6290.2	6330.7	6378.8	6449.6	6510.4	6561.0	6614.1	6647.0	6659.6	6697.6
6264.9	5°	6335.8	6424.3	6543.2	6659.6	6773.5	6841.8	6902.5	6932.9	6960.7	6981.0
6292.7	7.5°	6411.7	6525.5	6712.8	6864.6	6960.7	7016.4	7056.9	7046.8	7056.9	7061.9
6323.1	10°	6477.5	6636.9	6859.5	7003.8	7077.1	7079.7	7069.5	7034.1	7016.4	7018.9
6368.7	12.5°	6555.9	6733.0	6973.4	7094.8	7115.1	7059.4	7016.4	6955.7	6932.9	6922.8
6437.0	15°	6662.2	6864.6	7097.4	7142.9	7092.3	7021.5	6948.1	6849.4	6798.8	6758.3
6553.4	17.5°	6791.2	7013.9	7193.5	7160.6	7051.8	6935.4	6816.5	6667.2	6563.5	6520.5
6712.8	20°	6970.9	7170.7	7266.9	7122.7	6958.2	6781.1	6578.7	6396.5	6300.3	6257.3
6915.2	22.5°	7188.5	7380.8	7337.7	7056.9	6824.1	6540.7	6287.7	6153.6	6105.5	6075.1
7175.8	25°	7449.1	7613.5	7388.3	6960.7	6604.0	6221.9	6027.1	5984.1	5961.3	5938.5
7494.6	27.5°	7788.1	7876.7	7426.3	6819.0	6259.9	5882.8	5812.0	5819.6	5812.0	5774.0
7937.4	30°	8236.0	8218.3	7461.7	6588.8	5865.1	5576.7	5581.7	5614.6	5619.7	5594.4
8554.8	32.5°	8825.5	8645.9	7479.4	6290.2	5488.1	5308.5	5313.5	5349.0	5374.3	5331.3
9361.9	35°	9539.1	9144.3	7451.6	5915.7	5197.1	5052.9	5015.0	5025.1	5032.7	4992.2
10341.2	37.5°	10371.5	9703.5	7327.6	5500.8	4956.8	4802.4	4721.5	4653.1	4612.7	4574.7
11449.4	40°	11284.9	10313.3	7099.9	5095.9	4688.6	4536.8	4415.3	4286.3	4149.6	4099.0
12623.5	42.5°	12241.4	10940.8	6824.1	4708.8	4379.9	4255.9	4126.8	3939.6	3734.7	3630.9
13843.0	45°	13233.2	11583.5	6553.4	4326.7	4063.6	4010.5	3861.2	3636.0	3413.3	3281.7
15065.1	47.5°	14204.9	12190.8	6156.1	3942.1	3767.6	3825.7	3709.4	3501.9	3253.9	3046.4
16277.1	50°	15133.5	12760.1	5505.8	3552.5	3527.2	3770.1	3658.8	3360.2	3076.8	2811.1
17466.4	52.5°	16054.5	13220.6	4673.4	3198.2	3398.1	3754.9	3593.0	3264.0	2917.4	2639.1
18584.7	55°	16836.3	13458.4	3871.3	2894.6	3210.9	3625.9	3514.5	3150.2	2692.2	2396.2
19351.4	57.5°	17281.7	13266.1	3203.3	2596.0	2952.8	3413.3	3380.4	2907.3	2424.0	2196.3
19500.7	60°	17089.4	12486.8	2656.8	2335.4	2707.4	3183.1	3147.6	2666.9	2219.0	2004.0
18701.1	62.5°	16029.2	11001.6	2224.1	2107.7	2484.7	2947.7	2914.9	2482.2	2062.2	1854.7
16578.2	65°	13893.6	8949.5	1887.6	1917.9	2259.5	2664.4	2712.4	2327.8	1938.2	1735.8
12825.9	67.5°	10596.7	6482.5	1624.4	1753.5	2039.4	2386.0	2525.2	2216.5	1834.4	1642.1
7421.2	70°	6039.7	3681.5	1401.8	1594.1	1844.6	2127.9	2381.0	2127.9	1723.1	1563.7
2780.8	72.5°	2289.9	1690.2	1212.0	1434.7	1657.3	1910.3	2221.6	1988.8	1594.1	1475.1
1437.2	75°	1222.1	1029.8	1019.7	1247.4	1442.2	1697.8	2021.7	1852.1	1497.9	1558.6
994.4	77.5°	832.5	728.7	852.7	1067.8	1206.9	1462.5	1809.1	1644.7	1298.0	1293.0
688.2	80°	576.9	516.2	693.3	860.3	933.7	1229.7	1578.9	1411.9	1057.6	986.8
425.1	82.5°	346.6	336.5	518.7	642.7	660.4	948.8	1308.1	1184.2	865.3	754.0
253.0	85°	189.8	199.9	331.5	377.0	384.6	662.9	1024.8	916.0	665.5	559.2
91.1	87.5°	53.1	68.3	121.5	149.3	184.7	344.1	609.8	544.0	334.0	232.8
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°
6237.1
6695.1
6986.0
7069.5
7024.0
6917.7
6771.0
6523.0
6252.3
6080.2
5938.5
5781.6
5607.0
5351.5
5020.0
4600.0
4121.8
3643.6
3271.6
3023.7
2788.3
2608.7
2370.9
2165.9
1973.6
1821.8
1702.9
1611.8
1543.5
1454.9
1609.2
1191.8
943.8
759.1
564.2
232.8
0.0

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