

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: P848788

Luminaire Tested: **GLAN-SB5C-735-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848788  
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-SB5C-735-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 37149 lumens  
Efficiency: N/A  
Efficacy: 148.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

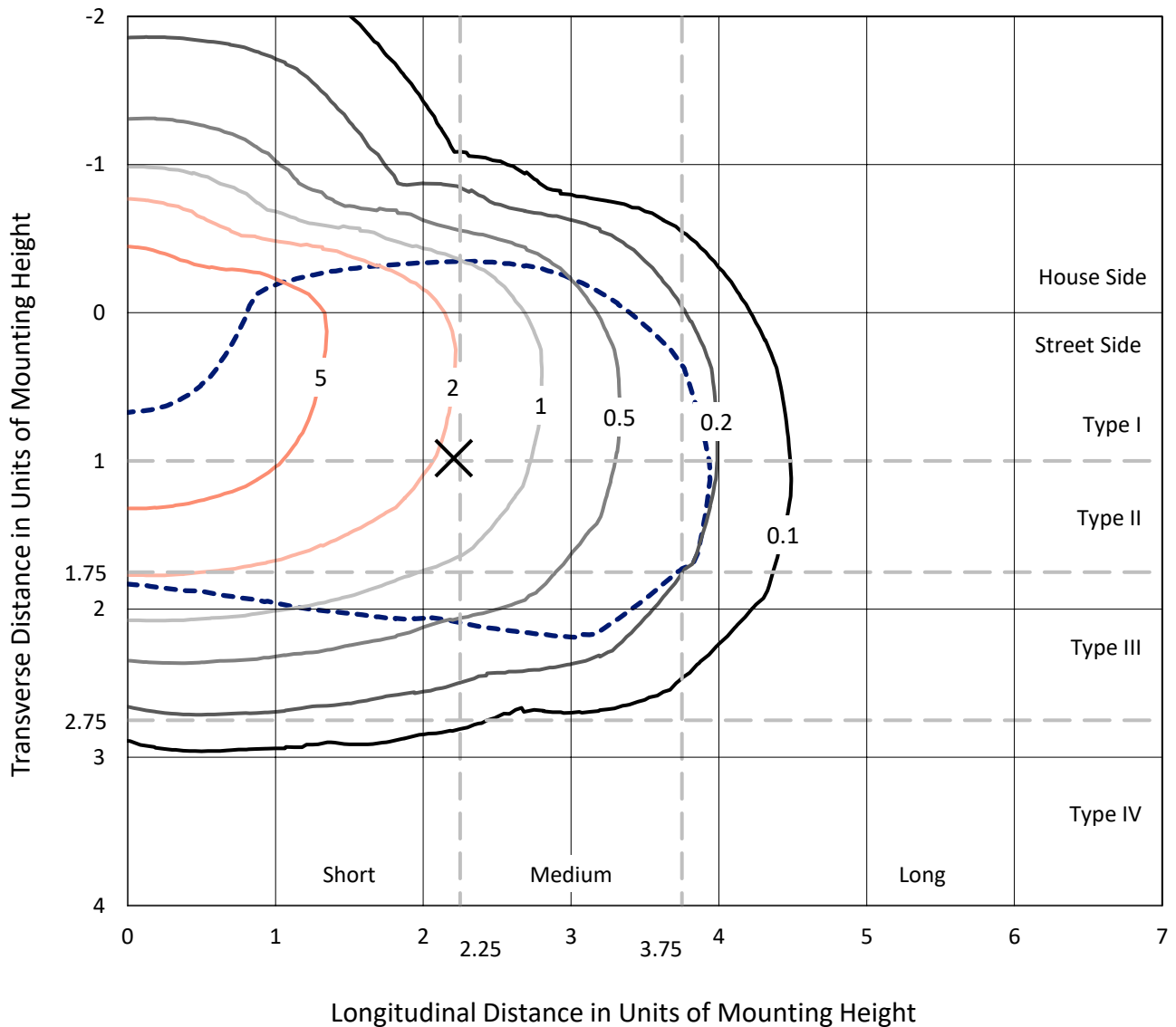
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

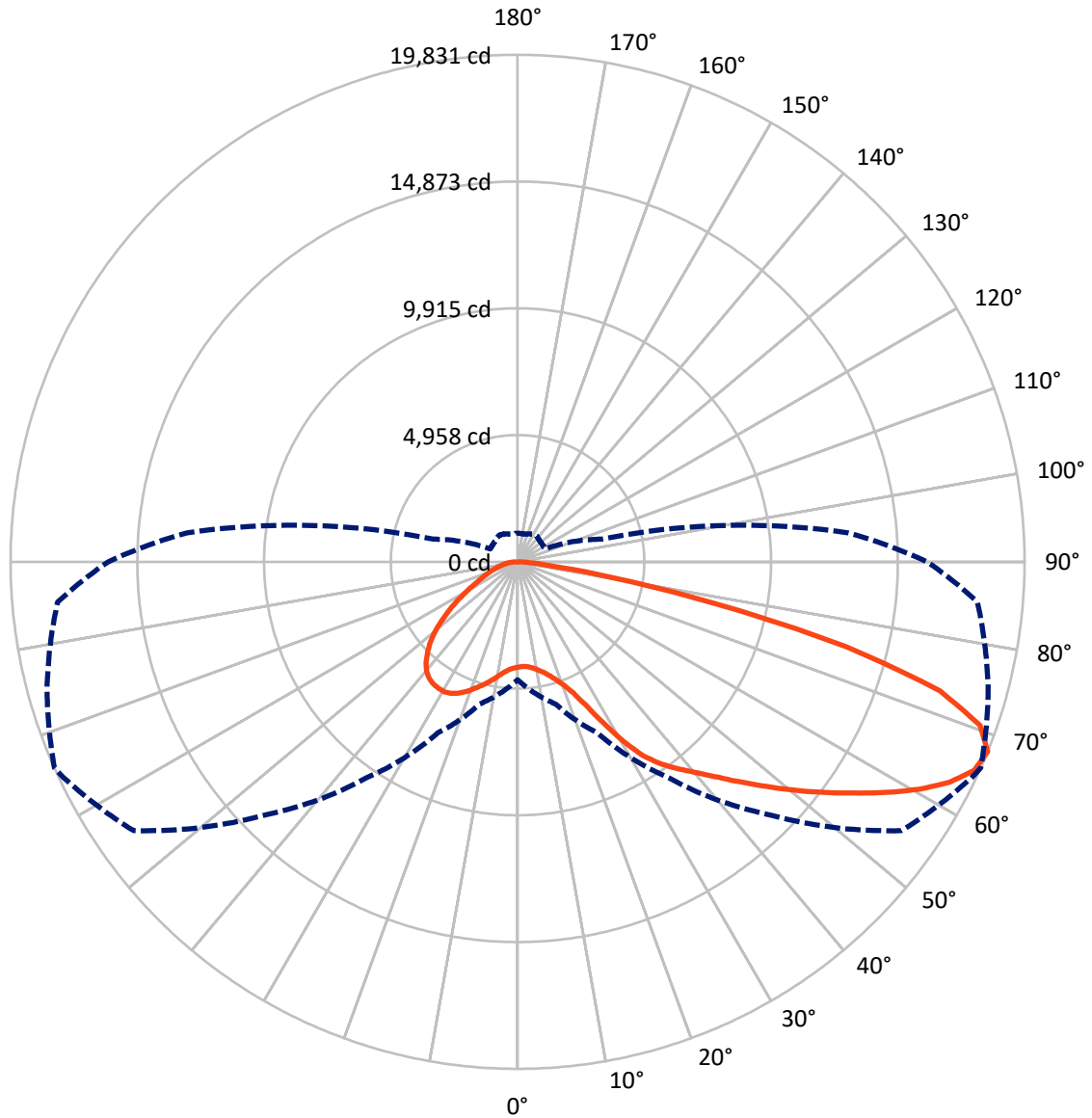
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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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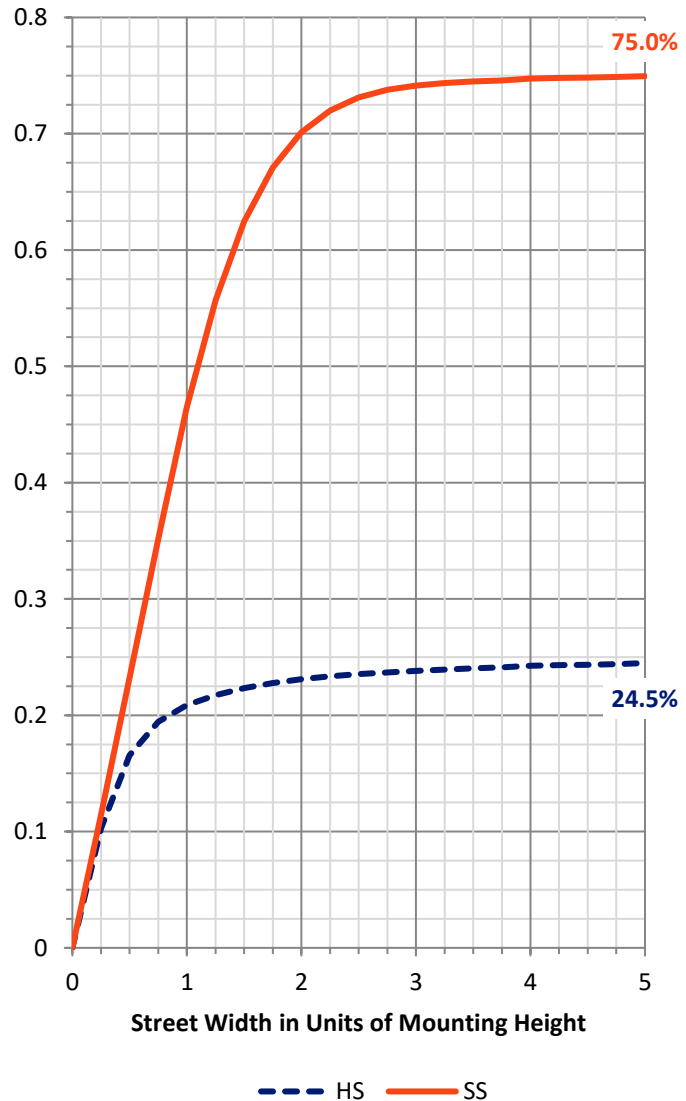
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9237.0	0.0	9237.0
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	27912.0	0.0	27912.0
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	37149.0	0.0	37149.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	408.5	1.1
10°-20°	1349.7	3.6
20°-30°	2601.4	7.0
30°-40°	4561.3	12.3
40°-50°	6781.1	18.3
50°-60°	8595.7	23.1
60°-70°	8410.7	22.6
70°-80°	4012.0	10.8
80°-90°	428.8	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°	37149.0	100.0
0°-180°	37149.0	100.0

**Coefficient of Utilization**



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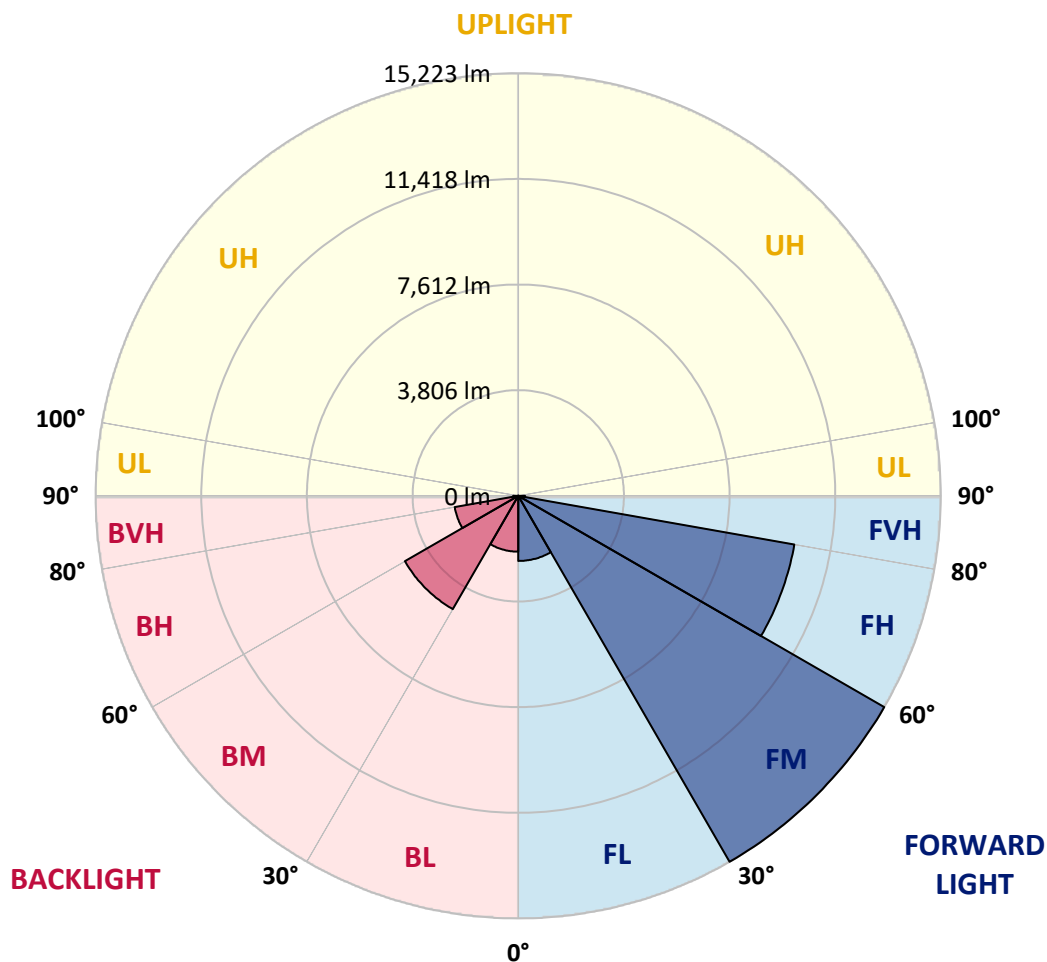
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2347.4	6.3			
FM (30°-60°)	15223.3	41.0			
FH (60°-80°)	10098.1	27.2			G4/12000
FVH (80°-90°)	243.1	0.7			G3/500
BL (0°-30°)	2012.2	5.4	B3/2500		
BM (30°-60°)	4714.7	12.7	B3/5000		
BH (60°-80°)	2324.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	185.7	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°	4120.3	4120.3	4120.3	4120.3	4120.3	4120.3	4120.3	4120.3	4120.3	4120.3
2.5°	4077.4	4100.8	4094.9	4085.2	4083.2	4087.1	4093.0	4098.8	4096.9	4106.7
5°	4065.7	4089.1	4087.1	4087.1	4094.9	4110.6	4120.3	4130.1	4120.3	4132.0
7.5°	4073.5	4091.0	4098.8	4106.7	4126.2	4155.4	4178.9	4200.3	4188.6	4202.3
10°	4173.0	4186.7	4194.5	4194.5	4208.1	4241.3	4264.8	4303.8	4294.0	4315.5
12.5°	4354.5	4368.2	4368.2	4360.4	4370.1	4391.6	4399.4	4442.4	4424.8	4459.9
15°	4577.0	4604.4	4582.9	4569.2	4573.1	4594.6	4592.7	4625.8	4608.3	4637.6
17.5°	4823.0	4858.1	4823.0	4821.0	4813.2	4836.6	4838.6	4867.9	4836.6	4858.1
20°	5113.8	5162.6	5133.3	5143.1	5125.5	5135.3	5145.0	5188.0	5139.2	5154.8
22.5°	5523.7	5582.2	5551.0	5588.1	5576.4	5568.6	5566.6	5642.7	5566.6	5572.5
25°	6120.9	6191.2	6136.6	6187.3	6187.3	6212.7	6242.0	6339.5	6212.7	6175.6
27.5°	7003.2	7073.4	6966.1	6997.3	6987.6	7050.0	7018.8	7260.8	7124.2	7063.7
30°	8065.0	8189.9	7986.9	7979.1	7969.3	8068.9	8113.8	8273.8	8135.2	8074.7
32.5°	9212.6	9343.4	9101.4	9031.1	8994.0	9054.5	9017.5	9146.3	9050.6	8957.0
35°	10426.7	10555.5	10325.2	10188.6	10040.2	9913.3	9780.6	9813.8	9724.0	9581.5
37.5°	11574.4	11810.5	11566.5	11420.2	11146.9	10899.0	10528.2	10374.0	10290.1	10159.3
40°	12743.5	12878.2	12692.8	12567.8	12271.2	11882.7	11289.4	10963.4	10850.2	10723.4
42.5°	13604.3	13733.1	13633.5	13547.7	13315.4	12864.5	12097.4	11689.5	11525.6	11383.1
45°	14287.4	14383.0	14320.6	14351.8	14252.3	13815.1	12934.8	12468.3	12298.5	12124.8
47.5°	14562.6	14664.1	14763.6	14949.1	15118.9	14796.8	13834.6	13311.5	13131.9	12954.3
50°	14531.4	14634.8	14923.7	15318.0	15845.0	15737.6	14783.2	14209.3	14043.4	13840.4
52.5°	14281.5	14398.7	14769.5	15425.3	16264.6	16442.2	15749.3	15136.4	14980.3	14738.3
55°	13625.7	13696.0	14252.3	15181.3	16364.2	16934.1	16696.0	16124.1	15967.9	15630.3
57.5°	12409.7	12511.2	13321.2	14523.6	16114.3	17267.8	17527.4	17162.4	17012.2	16526.2
60°	10822.9	10984.9	11912.0	13418.8	15478.0	17265.9	18282.8	18183.3	18058.3	17408.4
62.5°	9027.2	9214.6	10106.6	11857.4	14365.5	16776.0	18755.1	19038.2	18973.7	18222.3
65°	6932.9	7061.7	7949.8	9837.2	12634.2	15723.9	18809.8	19621.8	19633.5	18841.0
67.5°	4616.1	4986.9	5757.9	7381.8	10315.4	14004.4	18329.6	19717.4	19830.6	19053.8
70°	2252.4	2740.4	3495.7	4797.6	7381.8	11367.5	17074.6	18932.8	19184.5	18433.1
72.5°	934.9	1093.0	1504.9	2367.6	4237.4	7670.7	14552.9	16805.3	17271.8	16332.9
75°	630.4	683.1	860.8	1214.0	1930.4	3782.6	10495.0	12530.8	13282.2	12335.6
77.5°	486.0	519.2	626.5	849.0	1147.7	1430.7	5617.4	7551.6	7940.0	7350.6
80°	382.6	407.9	468.4	618.7	813.9	765.1	1914.7	3421.6	3646.0	3058.5
82.5°	331.8	341.6	335.7	419.6	540.7	447.0	628.5	1262.8	1393.6	1011.0
85°	240.1	267.4	279.1	259.6	286.9	226.4	257.6	447.0	491.9	439.2
87.5°	97.6	144.4	177.6	167.9	105.4	64.4	80.0	130.8	150.3	164.0
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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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4120.3	0°	4120.3	4120.3	4120.3	4120.3	4120.3	4120.3	4120.3	4120.3	4120.3	4120.3
4122.3	2.5°	4124.2	4137.9	4147.6	4159.4	4167.2	4178.9	4202.3	4216.0	4217.9	4227.7
4153.5	5°	4161.3	4180.8	4202.3	4233.5	4268.7	4297.9	4342.8	4374.1	4385.8	4395.5
4229.6	7.5°	4241.3	4268.7	4307.7	4362.3	4413.1	4452.1	4506.8	4543.9	4580.9	4594.6
4350.6	10°	4360.4	4399.4	4456.0	4530.2	4584.9	4635.6	4692.2	4723.4	4760.5	4776.1
4495.1	12.5°	4508.7	4549.7	4623.9	4727.3	4778.1	4813.2	4832.7	4824.9	4832.7	4846.4
4668.8	15°	4678.5	4723.4	4807.4	4918.6	4953.7	4922.5	4879.6	4840.5	4834.7	4838.6
4879.6	17.5°	4879.6	4912.8	5010.3	5104.0	5078.7	4949.8	4856.2	4793.7	4762.5	4752.7
5148.9	20°	5160.6	5160.6	5240.7	5299.2	5129.4	4910.8	4764.4	4662.9	4598.5	4571.2
5515.9	22.5°	5502.2	5471.0	5521.7	5480.7	5119.7	4801.5	4598.5	4422.8	4325.3	4286.2
6029.2	25°	5935.5	5898.4	5884.8	5631.0	5049.4	4627.8	4297.9	4085.2	3999.3	3977.8
6768.9	27.5°	6589.4	6495.7	6318.1	5713.0	4920.6	4354.5	3946.6	3749.5	3700.7	3702.6
7719.5	30°	7459.9	7272.5	6837.3	5726.7	4709.8	3968.1	3587.5	3446.9	3423.5	3433.3
8517.8	32.5°	8266.0	8088.4	7368.2	5664.2	4385.8	3589.4	3265.4	3171.7	3136.6	3148.3
9126.8	35°	8898.4	8849.6	7860.0	5576.4	3987.6	3234.2	2976.5	2896.5	2828.2	2812.6
9700.6	37.5°	9495.7	9476.1	8228.9	5453.4	3593.3	2982.4	2744.3	2638.9	2539.3	2484.7
10334.9	40°	10151.5	10132.0	8470.9	5264.1	3243.9	2763.8	2535.4	2396.8	2273.9	2174.3
11053.2	42.5°	10889.3	10774.1	8586.1	4992.8	2947.3	2578.4	2365.6	2178.2	2016.2	1924.5
11865.2	45°	11695.4	11435.8	8584.2	4647.3	2697.4	2408.6	2184.1	1918.6	1768.4	1682.5
12698.6	47.5°	12550.3	12068.2	8478.8	4264.8	2455.4	2221.2	1903.0	1700.0	1600.5	1547.8
13604.3	50°	13432.5	12659.6	8299.2	3825.6	2207.5	2008.4	1727.4	1588.8	1512.7	1463.9
14502.1	52.5°	14262.0	13196.3	8082.5	3327.9	1955.7	1801.5	1649.3	1541.9	1461.9	1407.3
15372.6	55°	15033.0	13658.9	7776.1	2818.4	1750.8	1663.0	1612.2	1522.4	1430.7	1366.3
16256.8	57.5°	15718.1	13959.5	7247.1	2340.2	1604.4	1567.3	1573.2	1489.2	1383.8	1329.2
17127.3	60°	16288.0	14180.1	6464.5	1897.2	1485.3	1473.6	1512.7	1426.8	1303.8	1241.4
17863.2	62.5°	16629.6	14176.1	5504.2	1553.7	1383.8	1387.8	1432.6	1348.7	1223.8	1165.2
18247.7	65°	16600.3	13828.7	4450.2	1329.2	1286.3	1290.2	1348.7	1262.8	1157.4	1122.3
18054.4	67.5°	16012.8	12981.6	3413.8	1182.8	1178.9	1196.5	1264.8	1204.3	1116.4	1112.5
16902.9	70°	14422.1	11223.0	2459.3	1065.7	1067.7	1093.0	1182.8	1167.2	1095.0	1102.8
14211.3	72.5°	11564.6	8556.8	1651.2	942.7	944.7	985.7	1104.7	1137.9	1073.5	1177.0
10083.2	75°	7701.9	5336.3	1061.8	812.0	813.9	866.6	1036.4	1081.3	1015.0	1173.1
5246.5	77.5°	3700.7	2398.8	769.0	683.1	683.1	731.9	895.9	968.1	864.7	911.5
1686.4	80°	1278.4	901.7	605.1	550.4	538.7	571.9	755.4	839.3	745.6	687.0
550.4	82.5°	503.6	468.4	486.0	427.5	388.4	409.9	587.5	692.9	548.5	495.8
310.3	85°	288.9	304.5	343.5	283.0	224.5	251.8	431.4	497.7	413.8	365.0
101.5	87.5°	78.1	107.4	158.1	146.4	101.5	107.4	204.9	275.2	238.1	183.5
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°
4120.3
4225.7
4393.6
4596.6
4783.9
4850.3
4852.3
4766.4
4565.3
4280.4
3981.7
3708.5
3466.5
3163.9
2824.3
2486.6
2184.1
1930.4
1678.6
1536.1
1446.3
1383.8
1340.9
1294.1
1214.0
1147.7
1120.4
1118.4
1100.8
1192.6
1182.8
835.4
644.1
493.8
372.8
189.3
0.0

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