

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: P853262

Luminaire Tested: **GLAN-SB9D-927-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853262  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB9D-927-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45193 lumens  
Efficiency: N/A  
Efficacy: 68.7 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

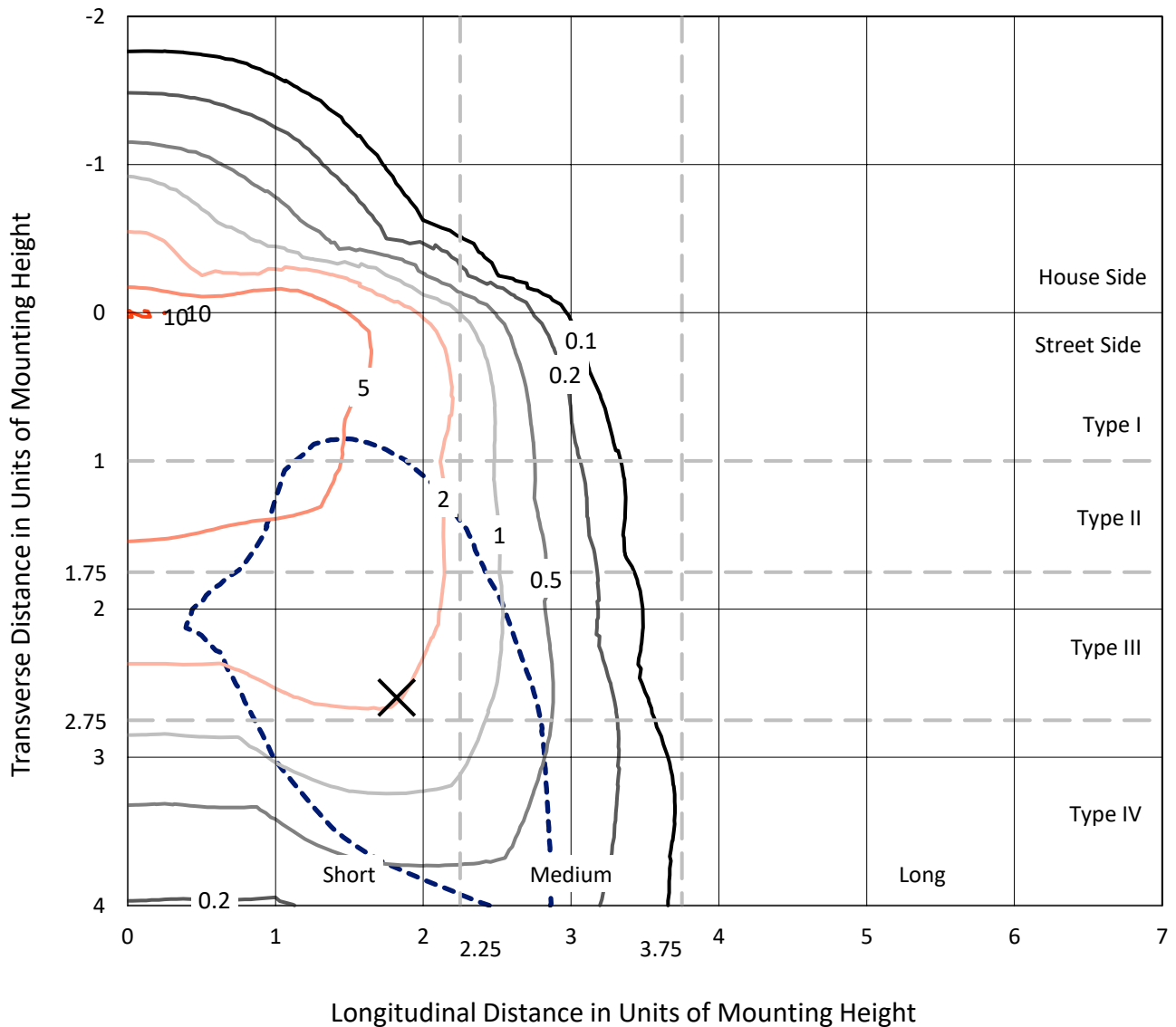
Input Watts (W): 658  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

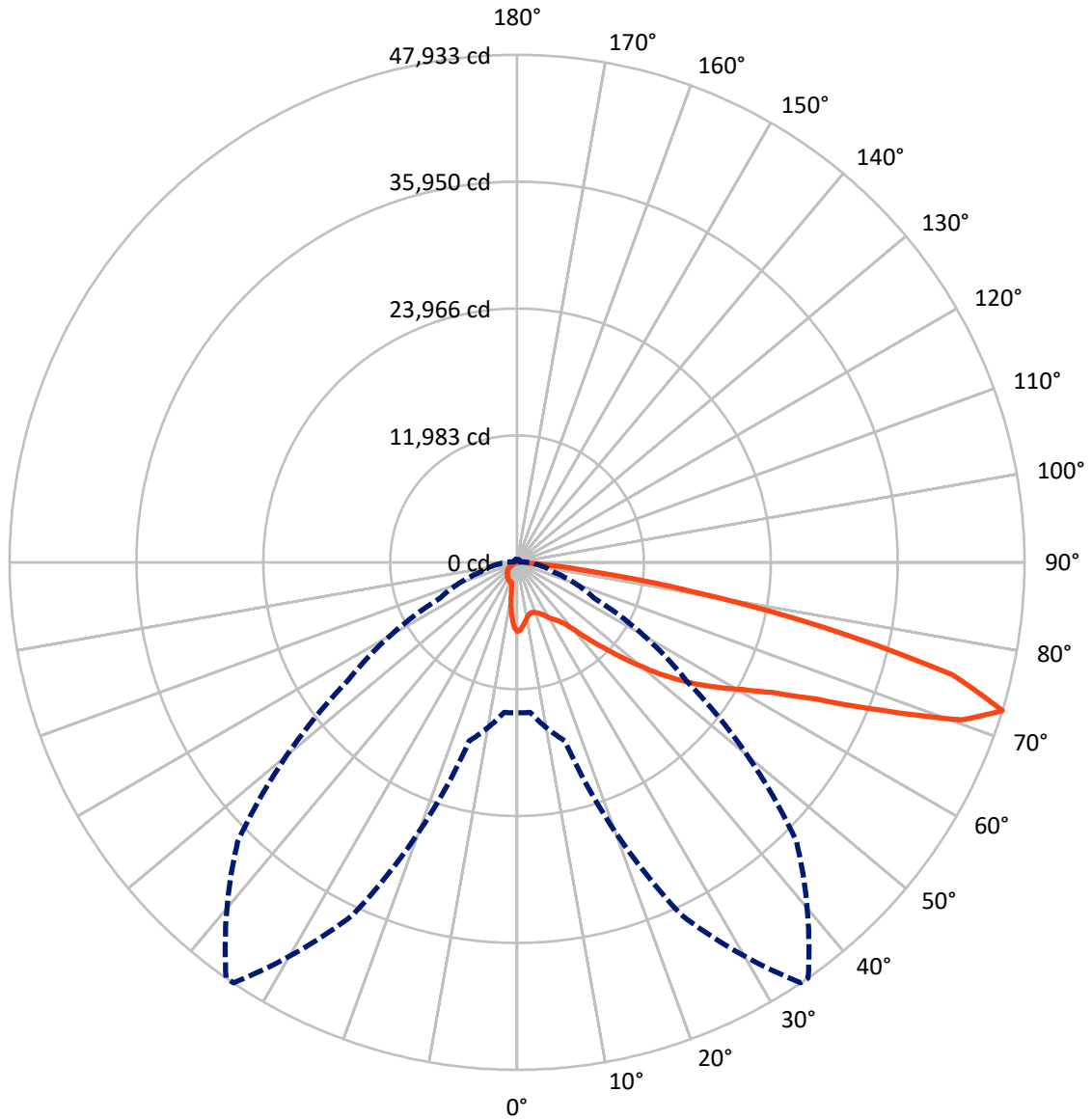
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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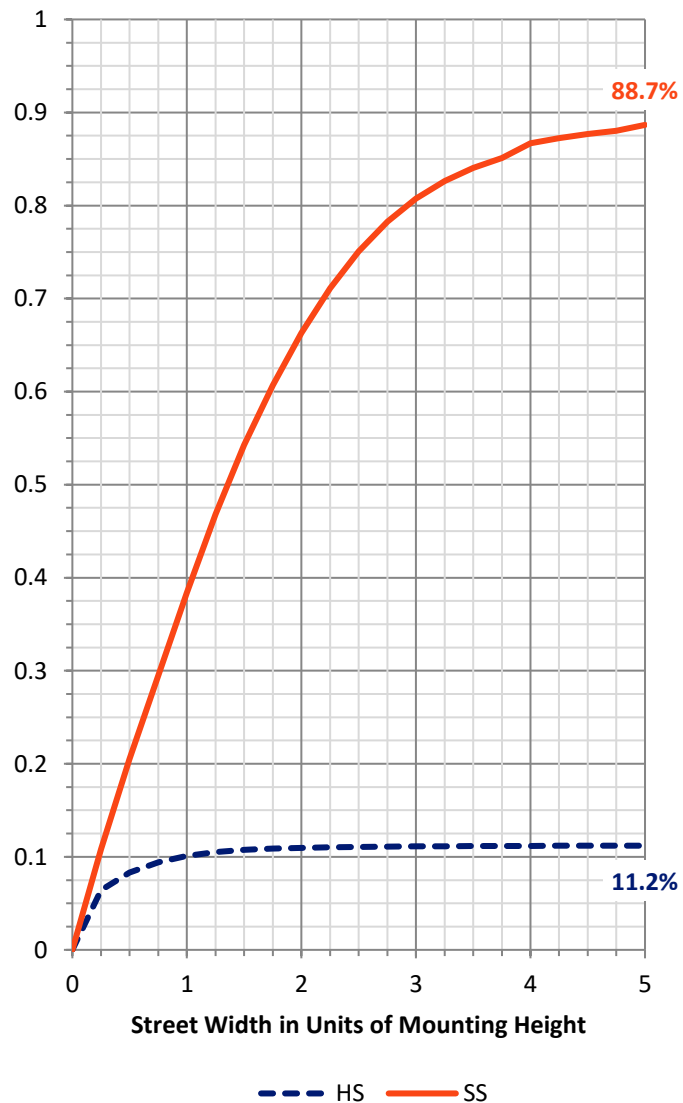
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5086.3	0.0	5086.3
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	40106.7	0.0	40106.7
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	45193.0	0.0	45193.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	538.2	1.2
10°-20°	1259.1	2.8
20°-30°	2045.4	4.5
30°-40°	3412.8	7.6
40°-50°	6457.1	14.3
50°-60°	10260.2	22.7
60°-70°	12692.6	28.1
70°-80°	7889.8	17.5
80°-90°	637.6	1.4
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°	45193.0	100.0
0°-180°	45193.0	100.0

**Coefficient of Utilization**



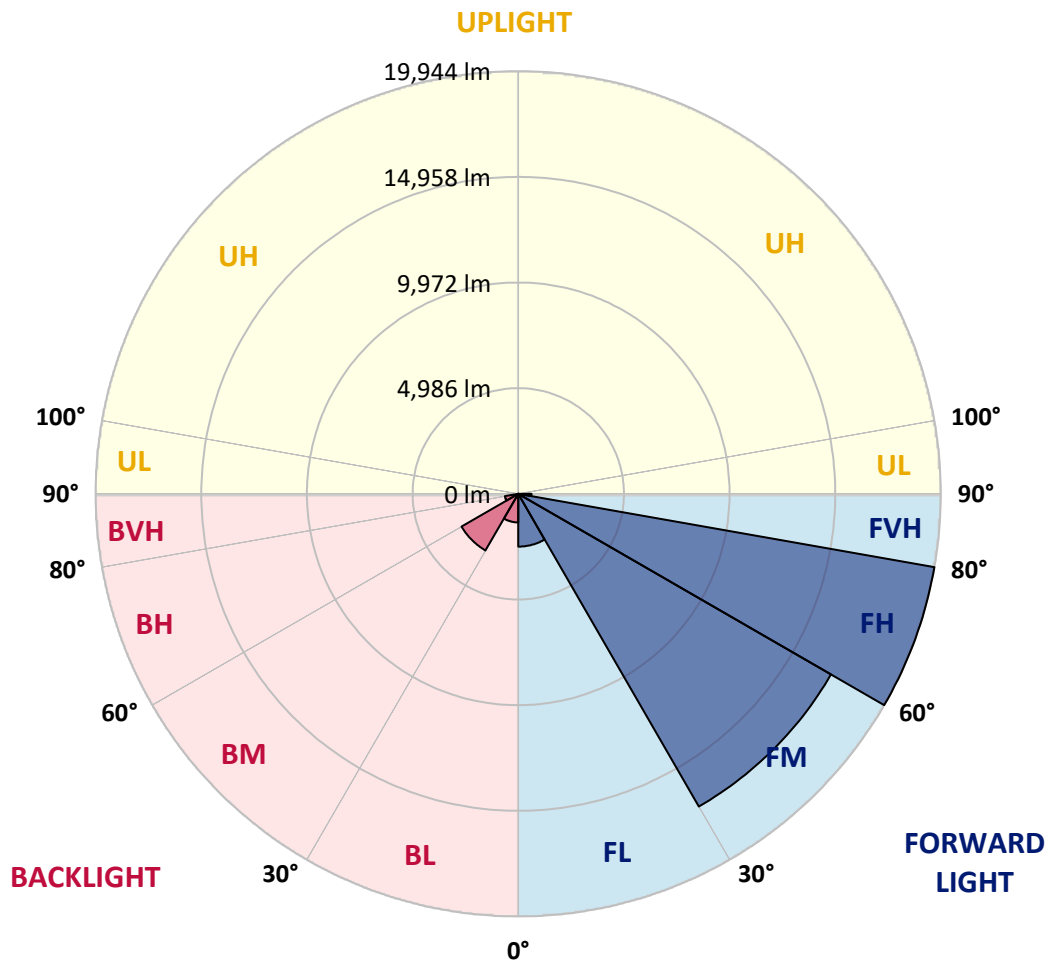
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2491.3	5.5			
FM (30°-60°)	17042.3	37.7			
FH (60°-80°)	19944.2	44.1			G5
FVH (80°-90°)	628.9	1.4			G4/750
BL (0°-30°)	1351.5	3.0	B3/2500		
BM (30°-60°)	3087.8	6.8	B3/5000		
BH (60°-80°)	638.2	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.7	0.0			G0/10
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°	34°	35°	45°	55°	65°	75°
0°	6550.0	6550.0	6550.0	6550.0	6550.0	6550.0	6550.0	6550.0	6550.0	6550.0
2.5°	6258.6	6311.6	6321.5	6338.1	6338.1	6357.9	6391.0	6437.4	6513.6	6553.3
5°	5768.5	5808.2	5857.9	5897.6	5973.8	5983.7	6112.9	6238.7	6414.2	6546.7
7.5°	5275.1	5321.4	5387.7	5483.7	5583.0	5612.9	5808.2	6020.2	6298.3	6546.7
10°	4927.4	4930.7	4990.3	5086.3	5245.3	5281.7	5520.1	5821.5	6169.2	6506.9
12.5°	4732.0	4755.2	4781.7	4854.5	5006.9	5030.0	5285.0	5639.3	6040.0	6483.8
15°	4732.0	4748.6	4765.1	4801.6	4924.1	4943.9	5169.1	5523.4	5973.8	6493.7
17.5°	4781.7	4808.2	4794.9	4838.0	4967.1	4980.4	5179.1	5490.3	5970.5	6556.6
20°	4900.9	4920.8	4894.3	4920.8	5049.9	5076.4	5281.7	5553.2	6026.8	6665.9
22.5°	5089.6	5099.6	5036.7	5056.5	5189.0	5222.1	5460.5	5732.1	6162.5	6841.4
25°	5328.1	5347.9	5251.9	5275.1	5400.9	5440.7	5715.5	6000.3	6377.8	7083.1
27.5°	5602.9	5612.9	5530.1	5526.8	5689.0	5745.3	6023.5	6331.4	6665.9	7387.8
30°	5917.5	5947.3	5867.8	5854.6	6059.9	6106.3	6381.1	6738.7	7089.7	7844.7
32.5°	6165.9	6189.0	6142.7	6175.8	6384.4	6420.8	6814.9	7314.9	7755.3	8493.8
35°	6523.5	6536.7	6430.8	6490.4	6728.8	6821.5	7407.6	8122.9	8593.1	9308.4
37.5°	7818.3	7818.3	7367.9	7073.2	7301.7	7384.5	8218.9	9139.5	9626.3	10401.2
40°	9609.7	9579.9	8921.0	8318.3	8288.5	8450.7	9374.6	10421.0	10960.8	11712.5
42.5°	11520.4	11474.1	10576.7	9980.6	9881.3	9937.6	10709.1	12000.6	12550.3	13311.9
45°	13215.9	13202.6	12381.4	11580.0	11401.2	11580.0	12374.8	13848.3	14242.4	15043.8
47.5°	14636.5	14636.5	14037.1	13513.9	13421.2	13527.1	14629.8	15898.1	15861.7	16888.2
50°	16272.3	16259.1	15689.5	15464.3	15560.3	15709.4	17226.0	18057.2	17537.3	18699.6
52.5°	17418.0	17497.5	17302.1	17265.7	17755.8	18014.1	19861.9	20169.8	19037.3	20418.2
55°	18325.4	18418.1	18643.3	18898.3	19842.0	20179.8	22415.0	22173.2	20292.4	21908.3
57.5°	19610.2	19477.7	19825.4	20328.8	21855.3	22262.7	24888.6	24064.1	21302.3	23117.0
60°	21169.9	21189.8	21249.4	21885.1	23865.4	24388.6	27325.8	25852.2	21951.4	23858.8
62.5°	23044.1	23073.9	23196.5	24173.3	26564.2	27057.6	29922.0	27315.9	22249.4	23650.1
65°	22915.0	23040.8	24408.4	27749.7	30667.0	31153.8	32951.9	28342.4	21799.1	21742.8
67.5°	20875.2	21080.5	23368.7	32021.4	36852.7	37395.8	36614.3	28544.4	19855.3	16908.1
70°	18199.5	18272.4	21024.2	35862.6	44015.3	44565.0	39892.6	26322.4	15066.9	9430.9
72.5°	14212.6	14229.2	17457.8	36753.4	47902.9	47932.7	37319.7	19540.7	8103.0	3622.7
75°	10152.8	10053.5	11692.6	29806.1	42144.4	42482.2	27978.2	9166.0	3096.2	1712.0
77.5°	5444.0	5553.2	6616.2	17676.3	29114.0	29690.2	15265.6	2642.5	1576.2	1165.6
80°	1682.2	1774.9	2712.0	8093.1	16490.9	16838.6	5659.2	1175.6	1099.4	831.2
82.5°	529.8	549.7	1265.0	3400.8	6844.7	7003.6	1639.2	665.6	751.7	549.7
85°	152.3	155.6	562.9	1268.3	1692.1	1725.2	460.3	258.3	430.5	341.1
87.5°	16.6	53.0	211.9	211.9	149.0	145.7	49.7	56.3	122.5	43.0
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°
6550.0	0°	6550.0	6550.0	6550.0	6550.0	6550.0	6550.0	6550.0	6550.0	6550.0	6550.0
6579.8	2.5°	6563.2	6566.5	6523.5	6450.6	6371.2	6304.9	6222.2	6155.9	6109.6	6096.3
6639.4	5°	6609.6	6586.4	6463.9	6242.0	5977.1	5748.6	5493.6	5291.6	5159.2	5102.9
6702.3	7.5°	6679.1	6612.9	6344.7	5907.6	5400.9	4950.6	4493.6	4139.3	3914.1	3801.5
6761.9	10°	6738.7	6606.3	6146.0	5424.1	4649.2	3967.1	3351.2	2924.0	2685.6	2573.0
6831.5	12.5°	6795.0	6603.0	5887.7	4851.2	3801.5	2967.0	2394.2	2182.2	2116.0	2092.8
6944.0	15°	6901.0	6612.9	5563.2	4195.6	2957.1	2241.8	2033.2	2029.9	2043.1	2036.5
7116.2	17.5°	7046.7	6622.8	5195.6	3500.2	2281.6	1976.9	1967.0	1996.8	2016.7	2006.7
7331.5	20°	7235.4	6662.6	4804.9	2811.4	1960.4	1910.7	1933.9	1960.4	1976.9	1960.4
7619.6	22.5°	7500.4	6732.1	4377.7	2258.4	1857.7	1871.0	1890.8	1920.6	1937.2	1914.0
7987.1	25°	7824.9	6841.4	3957.1	1963.7	1808.0	1824.6	1854.4	1887.5	1907.4	1884.2
8450.7	27.5°	8245.4	7016.9	3569.7	1897.4	1758.4	1768.3	1811.3	1861.0	1887.5	1857.7
9109.7	30°	8854.7	7305.0	3235.3	1927.2	1728.6	1705.4	1765.0	1834.5	1864.3	1837.8
10007.1	32.5°	9662.7	7712.3	3029.9	1973.6	1715.3	1632.5	1688.8	1778.2	1827.9	1811.3
11179.3	35°	10722.4	8331.5	2950.5	2026.6	1705.4	1556.4	1596.1	1692.1	1778.2	1794.8
12656.2	37.5°	12007.2	9192.5	2973.7	2049.8	1675.6	1493.4	1513.3	1596.1	1708.7	1761.7
14318.6	40°	13467.5	10195.8	3106.1	2026.6	1642.5	1440.5	1443.8	1506.7	1606.0	1685.5
16106.7	42.5°	14974.2	11368.1	3351.2	1940.5	1612.7	1394.1	1384.2	1427.2	1493.4	1549.7
17891.6	45°	16408.1	12573.4	3592.9	1821.3	1576.2	1347.7	1324.6	1341.1	1354.4	1377.5
19630.1	47.5°	17659.8	13421.2	3523.3	1712.0	1526.6	1294.8	1255.0	1248.4	1208.7	1205.4
21183.1	50°	18524.1	13606.6	3129.3	1602.7	1453.7	1235.2	1172.2	1132.5	1063.0	1029.9
22345.4	52.5°	18798.9	12874.8	2556.4	1493.4	1334.5	1155.7	1066.3	1003.4	917.3	887.5
23014.3	55°	18434.7	11440.9	2043.1	1361.0	1168.9	1049.7	950.4	867.6	798.1	761.6
23087.2	57.5°	17543.9	9616.4	1616.0	1205.4	993.4	930.5	831.2	748.4	688.8	652.3
22279.2	60°	16067.0	7636.1	1278.2	1019.9	847.7	801.4	698.7	645.7	592.7	549.7
20193.0	62.5°	13825.2	5450.6	1003.4	808.0	708.6	655.7	596.1	556.3	493.4	433.8
16441.2	65°	10788.6	3334.6	774.9	592.7	569.6	543.1	506.6	470.2	394.1	334.5
10725.7	67.5°	6805.0	1579.5	553.0	447.0	450.4	437.1	420.5	390.7	334.5	281.5
4804.9	70°	2996.8	764.9	364.3	341.1	334.5	334.5	347.7	337.8	284.8	235.1
1669.0	72.5°	1019.9	410.6	271.5	258.3	241.7	238.4	291.4	281.5	228.5	182.1
831.2	75°	533.1	274.8	198.7	185.4	145.7	175.5	231.8	218.6	162.3	119.2
549.7	77.5°	347.7	195.4	135.8	119.2	82.8	115.9	172.2	152.3	96.0	59.6
360.9	80°	218.6	129.1	79.5	56.3	39.7	62.9	92.7	66.2	36.4	13.2
211.9	82.5°	115.9	66.2	29.8	19.9	16.6	19.9	23.2	16.6	6.6	0.0
109.3	85°	46.4	23.2	9.9	6.6	3.3	0.0	6.6	3.3	0.0	0.0
19.9	87.5°	16.6	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
6550.0
6119.5
5122.8
3818.1
2576.3
2086.2
2033.2
2003.4
1957.0
1910.7
1880.9
1857.7
1834.5
1811.3
1794.8
1774.9
1712.0
1572.9
1390.8
1202.0
1033.2
884.1
761.6
645.7
539.8
423.9
324.5
274.8
225.2
172.2
109.3
53.0
9.9
0.0
0.0
0.0
0.0

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