

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: P852966

Luminaire Tested: **GLAN-SB7D-722-U-T4FT-HSS**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852966  
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-SB7D-722-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

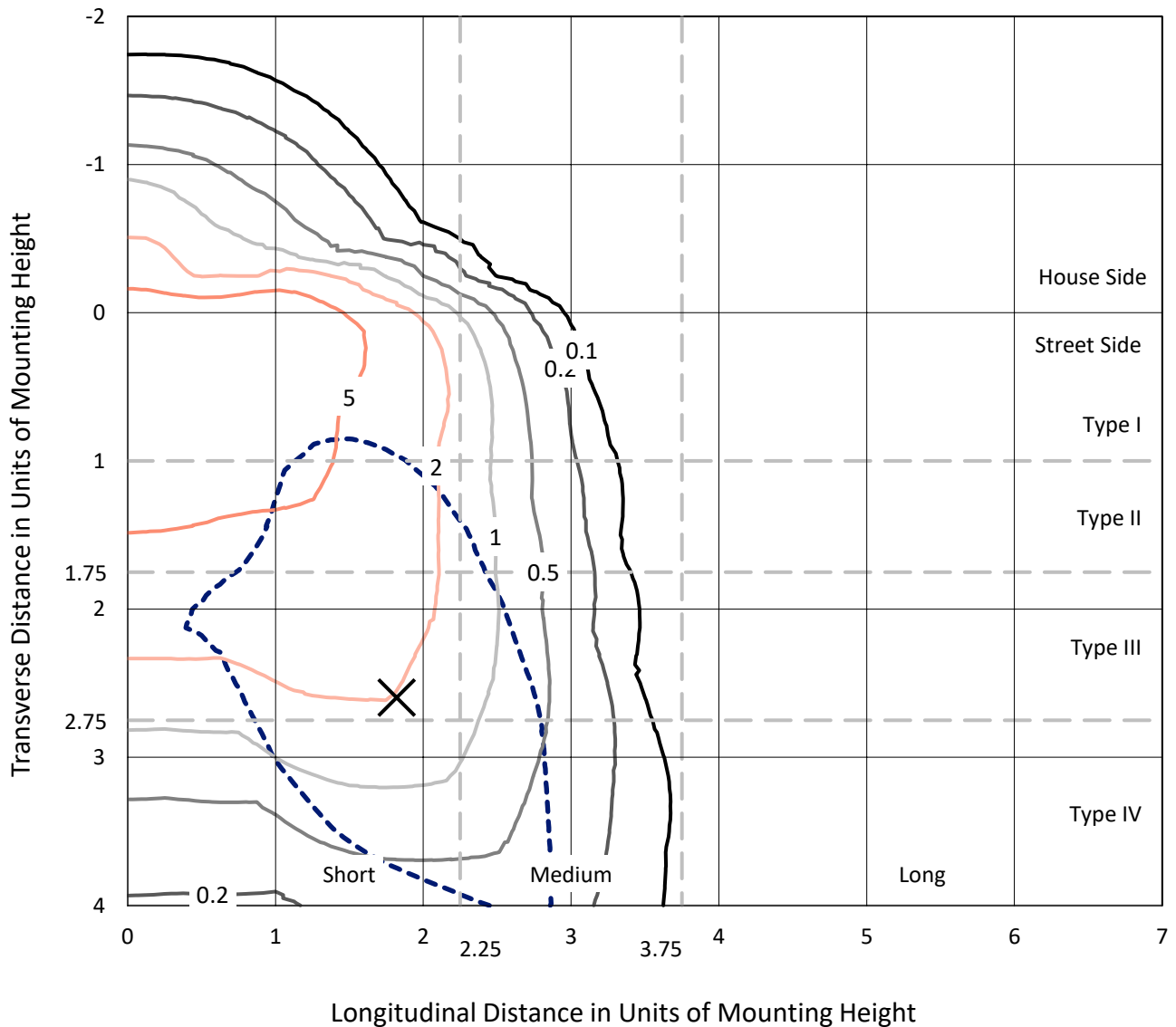
Lumens per Lamp: N/A  
Luminaire Lumens: 42847 lumens  
Efficiency: N/A  
Efficacy: 83.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

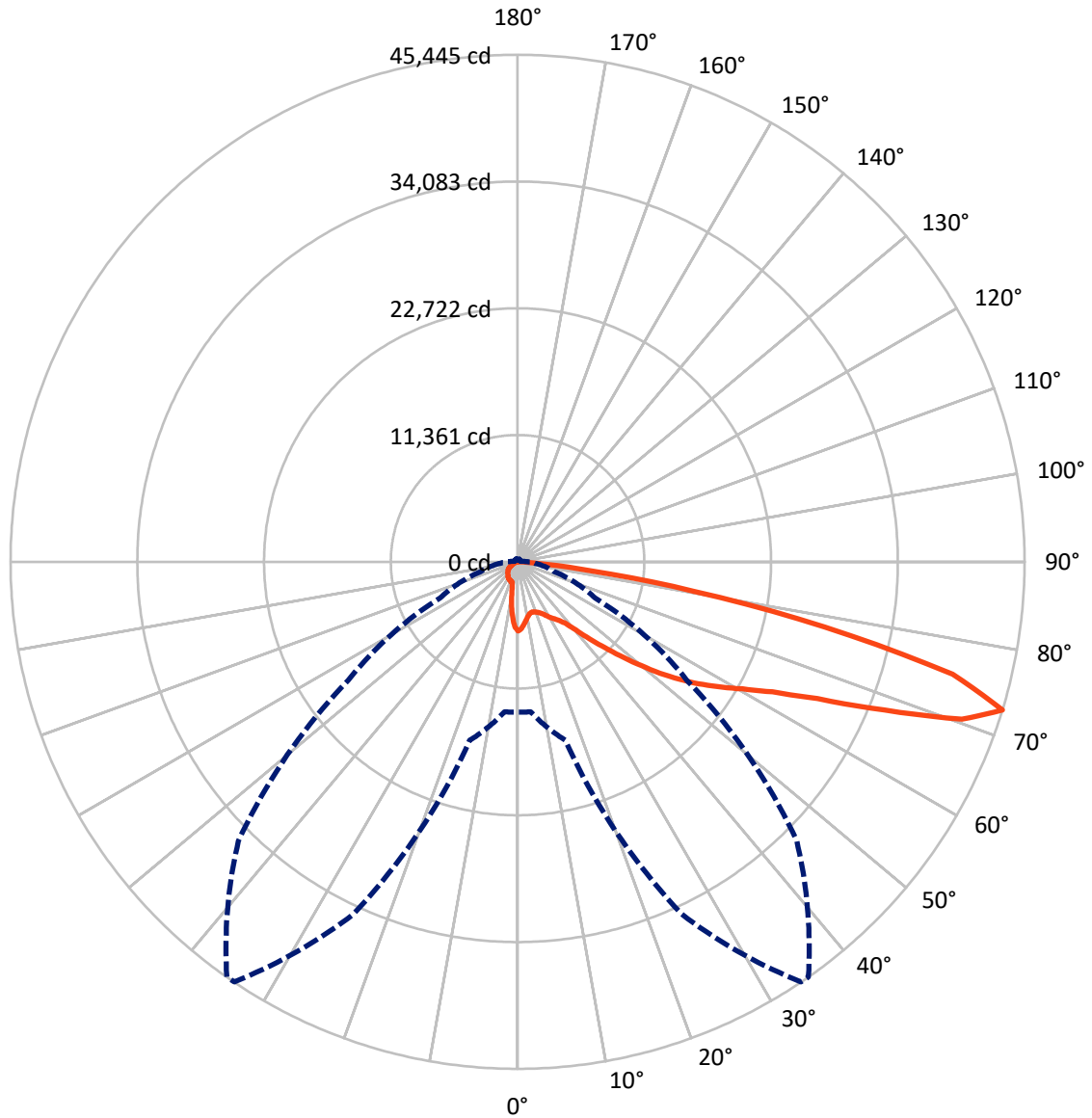
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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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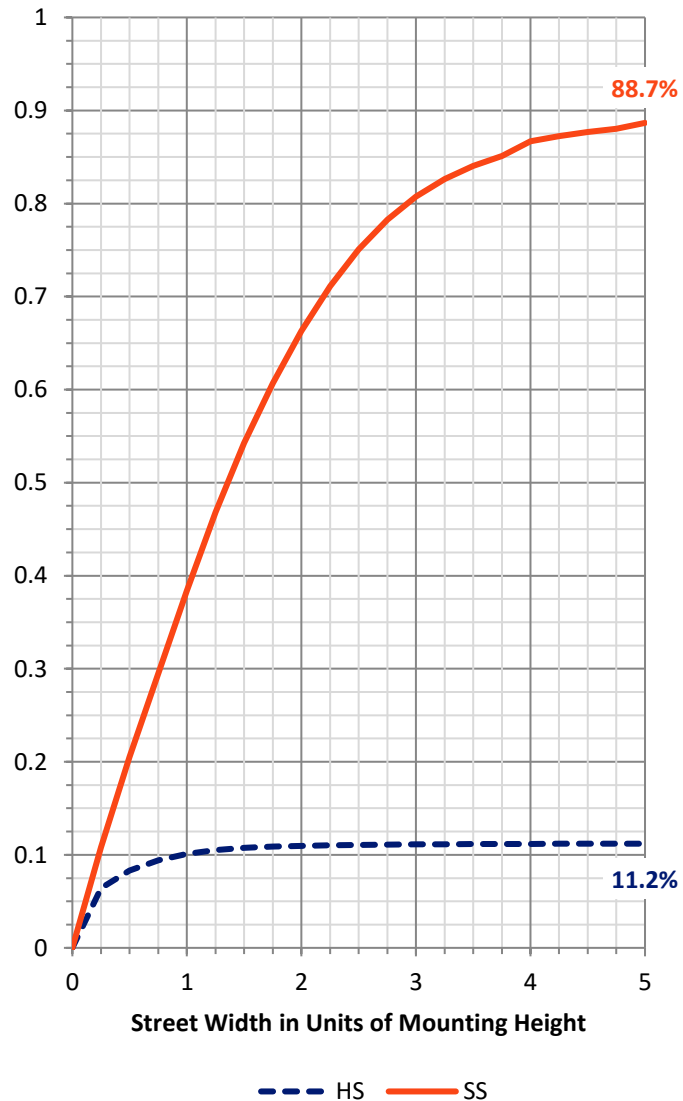
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4822.2	0.0	4822.2
	% Fixture	11.3	0.0	11.3
<b>Street Side</b>	Lumens	38024.8	0.0	38024.8
	% Fixture	88.7	0.0	88.7
<b>Total</b>	Lumens	42847.0	0.0	42847.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	510.3	1.2
10°-20°	1193.8	2.8
20°-30°	1939.3	4.5
30°-40°	3235.6	7.6
40°-50°	6121.9	14.3
50°-60°	9727.6	22.7
60°-70°	12033.8	28.1
70°-80°	7480.3	17.5
80°-90°	604.5	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°	42847.0	100.0
0°-180°	42847.0	100.0

**Coefficient of Utilization**



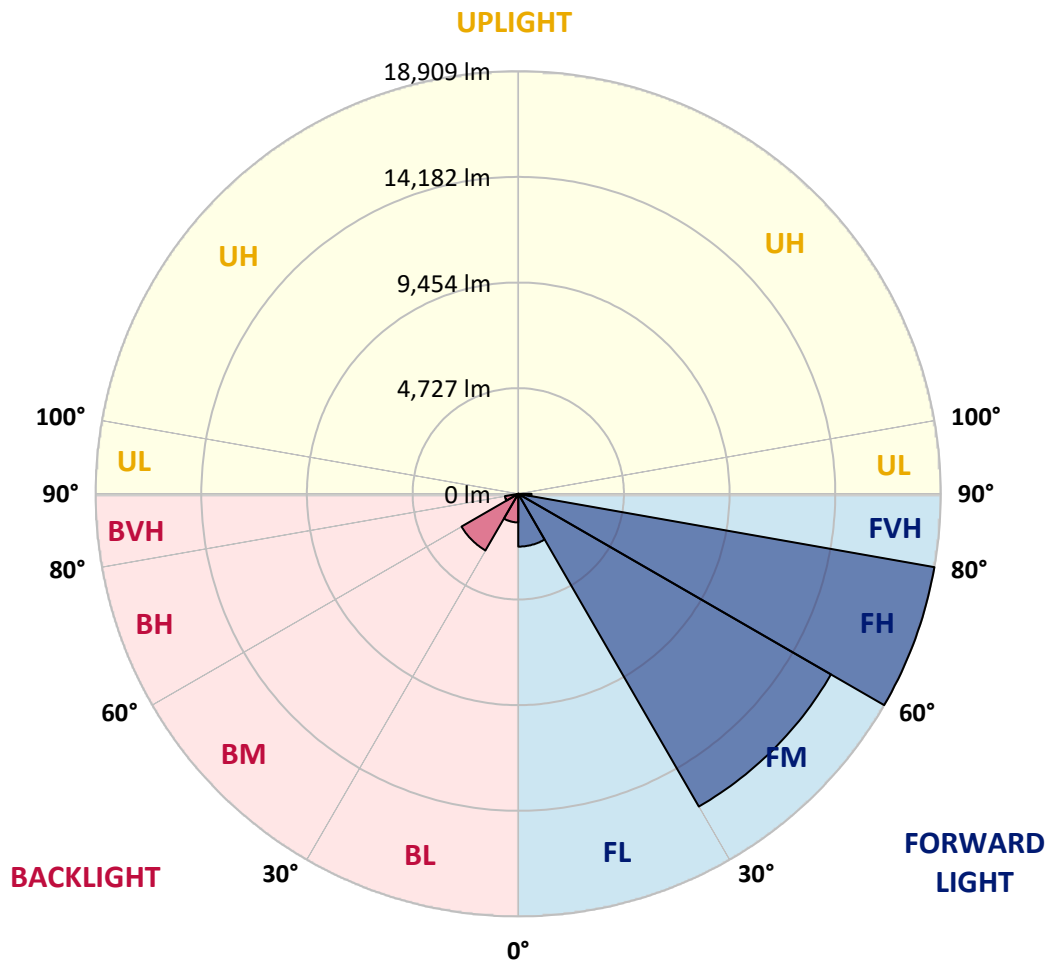
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2362.0	5.5			
FM (30°-60°)	16157.6	37.7			
FH (60°-80°)	18908.9	44.1			G5
FVH (80°-90°)	596.3	1.4			G4/750
BL (0°-30°)	1281.4	3.0	B3/2500		
BM (30°-60°)	2927.5	6.8	B3/5000		
BH (60°-80°)	605.1	1.4	B2/1000		G2/1000
BVH (80°-90°)	8.2	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°	6210.0	6210.0	6210.0	6210.0	6210.0	6210.0	6210.0	6210.0	6210.0	6210.0
2.5°	5933.7	5983.9	5993.3	6009.0	6009.0	6027.9	6059.3	6103.2	6175.4	6213.1
5°	5469.0	5506.7	5553.8	5591.5	5663.7	5673.1	5795.6	5914.9	6081.2	6206.8
7.5°	5001.3	5045.2	5108.0	5199.0	5293.2	5321.5	5506.7	5707.6	5971.4	6206.8
10°	4671.6	4674.7	4731.3	4822.3	4973.0	5007.5	5233.6	5519.3	5848.9	6169.2
12.5°	4486.4	4508.3	4533.5	4602.5	4747.0	4768.9	5010.7	5346.6	5726.5	6147.2
15°	4486.4	4502.1	4517.8	4552.3	4668.5	4687.3	4900.8	5236.7	5663.7	6156.6
17.5°	4533.5	4558.6	4546.0	4586.8	4709.3	4721.8	4910.2	5205.3	5660.6	6216.2
20°	4646.5	4665.3	4640.2	4665.3	4787.8	4812.9	5007.5	5265.0	5713.9	6319.9
22.5°	4825.4	4834.9	4775.2	4794.0	4919.6	4951.0	5177.1	5434.5	5842.6	6486.2
25°	5051.5	5070.3	4979.3	5001.3	5120.6	5158.2	5418.8	5688.8	6046.7	6715.4
27.5°	5312.1	5321.5	5243.0	5239.9	5393.7	5447.1	5710.8	6002.8	6319.9	7004.3
30°	5610.3	5638.6	5563.2	5550.7	5745.3	5789.3	6049.9	6388.9	6721.7	7437.5
32.5°	5845.8	5867.8	5823.8	5855.2	6053.0	6087.5	6461.1	6935.2	7352.8	8052.9
35°	6184.9	6197.4	6096.9	6153.5	6379.5	6467.4	7023.1	7701.2	8147.0	8825.2
37.5°	7412.4	7412.4	6985.4	6706.0	6922.6	7001.1	7792.3	8665.1	9126.6	9861.2
40°	9110.9	9082.6	8457.9	7886.5	7858.2	8012.1	8888.0	9880.1	10391.8	11104.5
42.5°	10922.4	10878.4	10027.6	9462.5	9368.3	9421.7	10153.2	11377.6	11898.8	12620.9
45°	12529.8	12517.3	11738.7	10978.9	10809.4	10978.9	11732.4	13129.5	13503.1	14262.8
47.5°	13876.7	13876.7	13308.4	12812.4	12724.5	12824.9	13870.4	15072.8	15038.3	16011.5
50°	15427.6	15415.0	14875.0	14661.5	14752.6	14893.9	16331.8	17119.8	16626.9	17728.9
52.5°	16513.9	16589.2	16404.0	16369.4	16834.1	17079.0	18830.8	19122.8	18049.1	19358.3
55°	17374.1	17462.0	17675.5	17917.2	18812.0	19132.2	21251.4	21022.2	19239.0	20771.1
57.5°	18592.2	18466.6	18796.3	19273.5	20720.8	21107.0	23596.6	22814.9	20196.5	21917.0
60°	20070.9	20089.8	20146.3	20749.1	22626.5	23122.6	25907.3	24510.2	20811.9	22620.2
62.5°	21847.9	21876.2	21992.3	22918.5	25185.2	25653.0	28368.7	25897.9	21094.4	22422.4
65°	21725.5	21844.8	23141.4	26309.2	29075.1	29536.6	31241.3	26871.1	20667.4	20614.1
67.5°	19791.5	19986.2	22155.6	30359.1	34939.7	35454.6	34713.7	27062.6	18824.6	16030.4
70°	17254.8	17323.9	19932.8	34001.0	41730.5	42251.6	37821.8	24956.0	14284.8	8941.3
72.5°	13474.8	13490.5	16551.5	34845.5	45416.3	45444.5	35382.4	18526.3	7682.4	3434.6
75°	9625.8	9531.6	11085.6	28258.8	39956.6	40276.9	26525.8	8690.2	2935.4	1623.1
77.5°	5161.4	5265.0	6272.8	16758.7	27602.6	28148.9	14473.2	2505.3	1494.4	1105.1
80°	1594.9	1682.8	2571.3	7673.0	15634.8	15964.4	5365.4	1114.5	1042.3	788.0
82.5°	502.3	521.2	1199.3	3224.3	6489.4	6640.1	1554.1	631.0	712.7	521.2
85°	144.4	147.6	533.7	1202.4	1604.3	1635.7	436.4	244.9	408.1	323.4
87.5°	15.7	50.2	200.9	200.9	141.3	138.1	47.1	53.4	116.2	40.8
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°
6210.0	0°	6210.0	6210.0	6210.0	6210.0	6210.0	6210.0	6210.0	6210.0	6210.0	6210.0
6238.2	2.5°	6222.5	6225.7	6184.9	6115.8	6040.4	5977.6	5899.2	5836.4	5792.4	5779.9
6294.7	5°	6266.5	6244.5	6128.3	5918.0	5666.8	5450.2	5208.5	5016.9	4891.4	4838.0
6354.4	7.5°	6332.4	6269.6	6015.3	5600.9	5120.6	4693.6	4260.3	3924.4	3710.9	3604.2
6410.9	10°	6388.9	6263.3	5826.9	5142.5	4407.9	3761.1	3177.2	2772.2	2546.1	2439.4
6476.8	12.5°	6442.3	6260.2	5582.1	4599.4	3604.2	2813.0	2269.9	2068.9	2006.2	1984.2
6583.6	15°	6542.8	6269.6	5274.4	3977.8	2803.6	2125.5	1927.7	1924.5	1937.1	1930.8
6746.8	17.5°	6680.9	6279.0	4925.9	3318.5	2163.1	1874.3	1864.9	1893.1	1912.0	1902.5
6950.9	20°	6859.8	6316.7	4555.4	2665.5	1858.6	1811.5	1833.5	1858.6	1874.3	1858.6
7224.0	22.5°	7111.0	6382.6	4150.4	2141.2	1761.3	1773.8	1792.7	1820.9	1836.6	1814.6
7572.5	25°	7418.7	6486.2	3751.7	1861.7	1714.2	1729.9	1758.1	1789.5	1808.4	1786.4
8012.1	27.5°	7817.4	6652.6	3384.4	1798.9	1667.1	1676.5	1717.3	1764.4	1789.5	1761.3
8636.8	30°	8395.1	6925.8	3067.3	1827.2	1638.8	1616.9	1673.4	1739.3	1767.5	1742.4
9487.6	32.5°	9161.1	7311.9	2872.7	1871.2	1626.3	1547.8	1601.2	1685.9	1733.0	1717.3
10599.0	35°	10165.8	7899.0	2797.3	1921.4	1616.9	1475.6	1513.2	1604.3	1685.9	1701.6
11999.2	37.5°	11383.9	8715.3	2819.3	1943.4	1588.6	1415.9	1434.8	1513.2	1620.0	1670.2
13575.3	40°	12768.4	9666.6	2944.9	1921.4	1557.2	1365.7	1368.8	1428.5	1522.7	1598.0
15270.6	42.5°	14196.9	10778.0	3177.2	1839.8	1528.9	1321.7	1312.3	1353.1	1415.9	1469.3
16962.8	45°	15556.3	11920.8	3406.4	1726.7	1494.4	1277.8	1255.8	1271.5	1284.1	1306.0
18611.1	47.5°	16743.1	12724.5	3340.4	1623.1	1447.3	1227.6	1189.9	1183.6	1145.9	1142.8
20083.5	50°	17562.5	12900.3	2966.8	1519.5	1378.2	1171.0	1111.4	1073.7	1007.8	976.4
21185.5	52.5°	17823.0	12206.4	2423.7	1415.9	1265.2	1095.7	1010.9	951.3	869.6	841.4
21819.7	55°	17477.7	10847.0	1937.1	1290.3	1108.2	995.2	901.0	822.6	756.6	722.1
21888.7	57.5°	16633.2	9117.2	1532.1	1142.8	941.9	882.2	788.0	709.5	653.0	618.5
21122.7	60°	15232.9	7239.7	1211.9	967.0	803.7	759.8	662.4	612.2	562.0	521.2
19144.8	62.5°	13107.5	5167.6	951.3	766.0	671.9	621.6	565.1	527.4	467.8	411.3
15587.7	65°	10228.6	3161.5	734.6	562.0	540.0	514.9	480.3	445.8	373.6	317.1
10168.9	67.5°	6451.7	1497.6	524.3	423.8	427.0	414.4	398.7	370.5	317.1	266.9
4555.4	70°	2841.3	725.2	345.3	323.4	317.1	317.1	329.6	320.2	270.0	222.9
1582.3	72.5°	967.0	389.3	257.4	244.9	229.2	226.0	276.3	266.9	216.6	172.7
788.0	75°	505.5	260.6	188.4	175.8	138.1	166.4	219.8	207.2	153.8	113.0
521.2	77.5°	329.6	185.2	128.7	113.0	78.5	109.9	163.3	144.4	91.0	56.5
342.2	80°	207.2	122.4	75.3	53.4	37.7	59.7	87.9	62.8	34.5	12.6
200.9	82.5°	109.9	62.8	28.3	18.8	15.7	18.8	22.0	15.7	6.3	0.0
103.6	85°	44.0	22.0	9.4	6.3	3.1	0.0	6.3	3.1	0.0	0.0
18.8	87.5°	15.7	3.1	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°
6210.0
5801.8
4856.8
3619.9
2442.5
1977.9
1927.7
1899.4
1855.5
1811.5
1783.2
1761.3
1739.3
1717.3
1701.6
1682.8
1623.1
1491.3
1318.6
1139.6
979.5
838.3
722.1
612.2
511.7
401.9
307.7
260.6
213.5
163.3
103.6
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