

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: P850287

Luminaire Tested: **GLAN-SB7D-722-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850287  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-722-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44383 lumens  
Efficiency: N/A  
Efficacy: 86.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

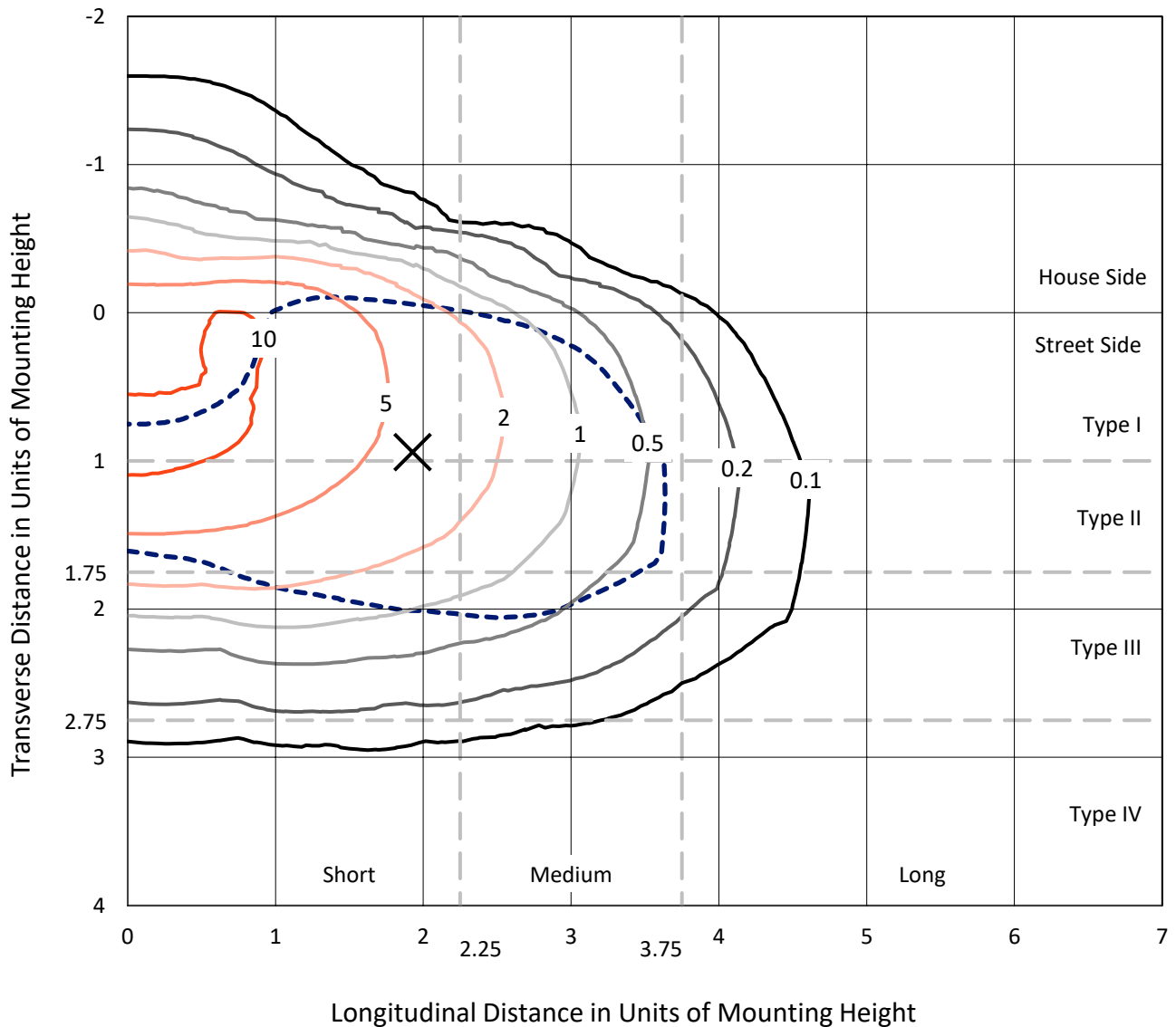
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

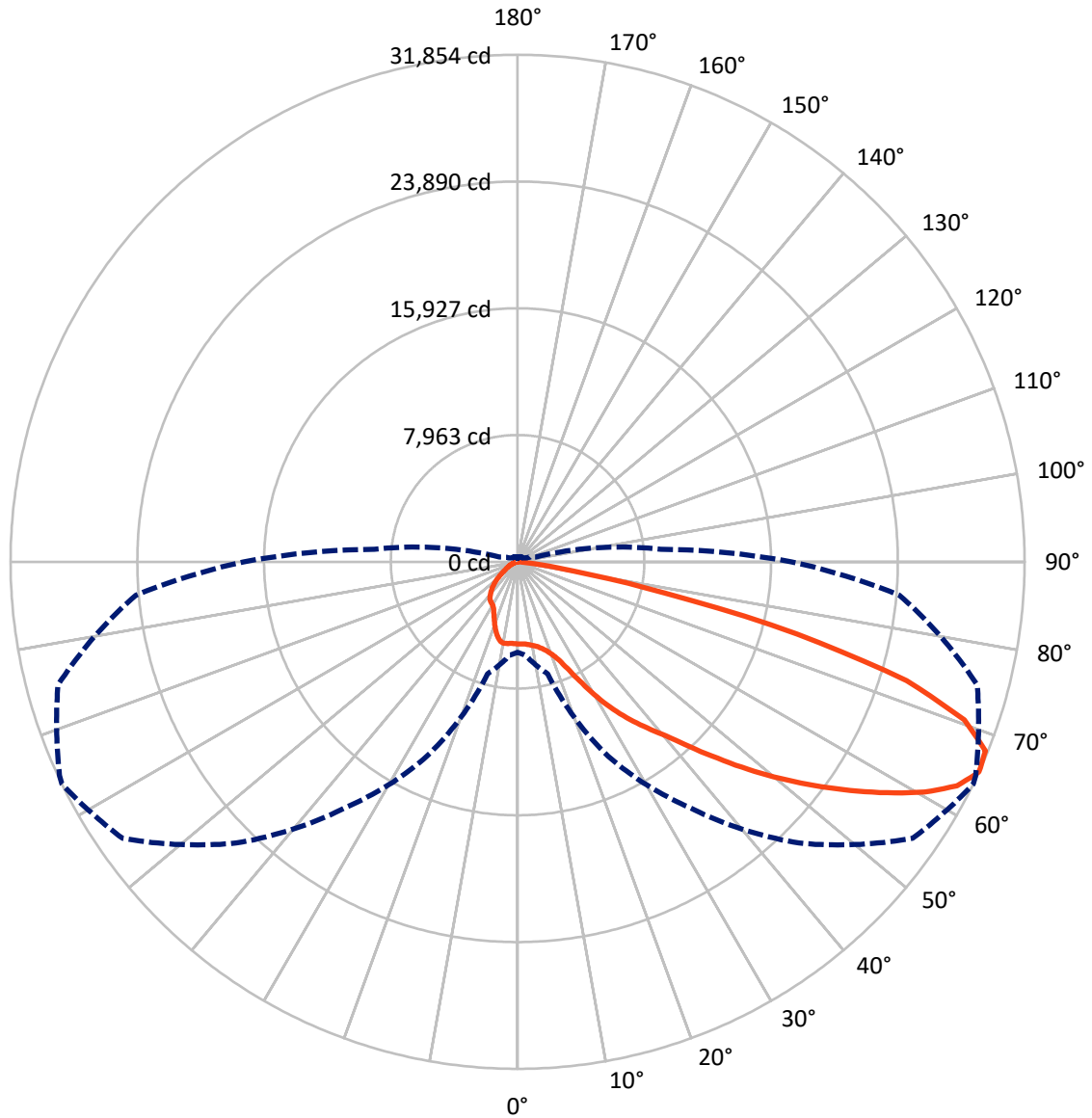
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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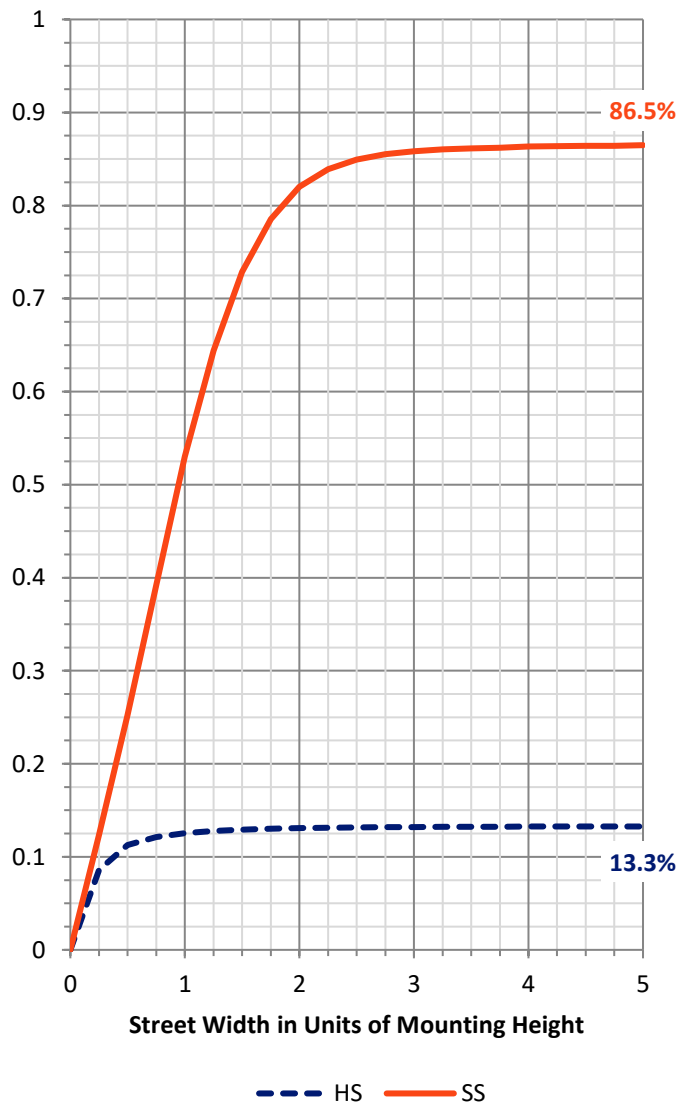
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5935.4	0.0	5935.4
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	38447.6	0.0	38447.6
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	44383.0	0.0	44383.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	476.3	1.1
10°-20°	1291.8	2.9
20°-30°	2447.8	5.5
30°-40°	4953.2	11.2
40°-50°	8437.8	19.0
50°-60°	11474.7	25.9
60°-70°	10775.3	24.3
70°-80°	4317.1	9.7
80°-90°	209.1	0.5
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°	44383.0	100.0
0°-180°	44383.0	100.0

**Coefficient of Utilization**



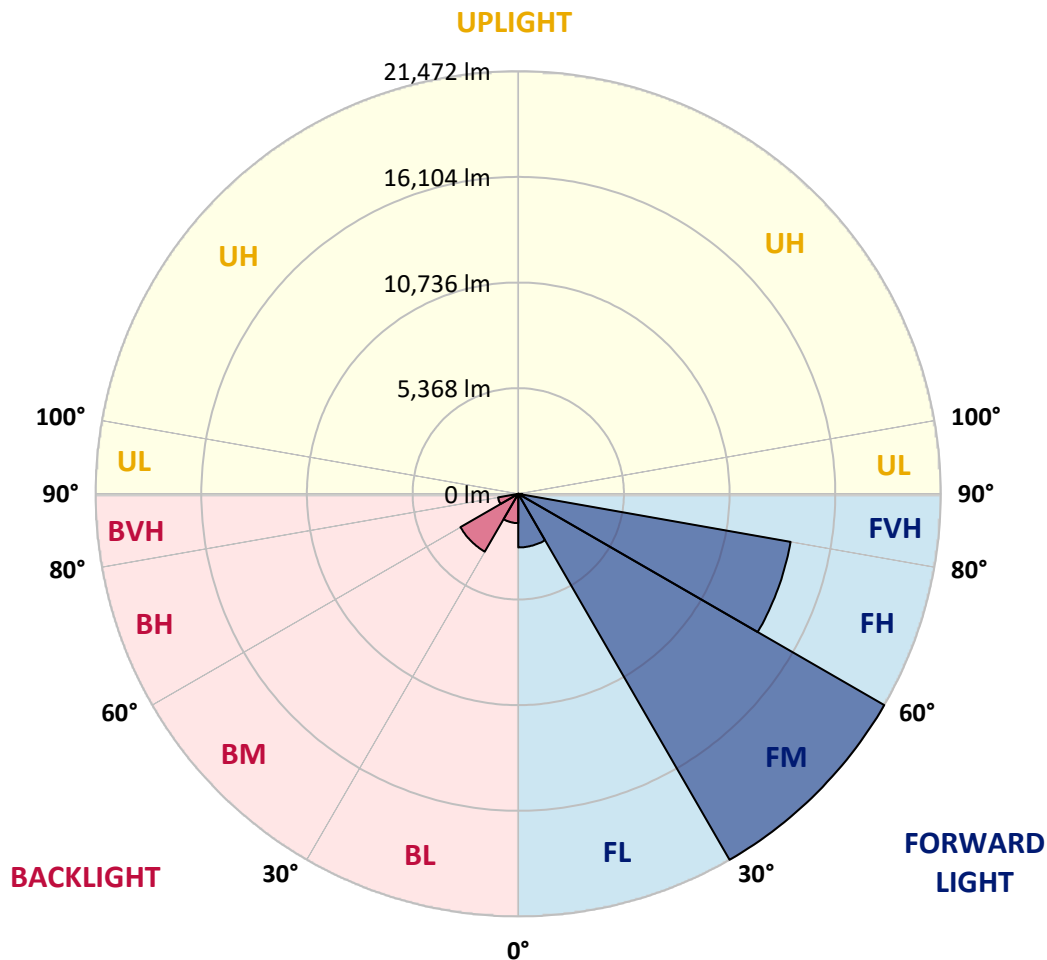
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2725.6	6.1			
FM (30°-60°)	21472.4	48.4			
FH (60°-80°)	14050.6	31.7			G5
FVH (80°-90°)	198.9	0.4			G2/225
BL (0°-30°)	1490.2	3.4	B3/2500		
BM (30°-60°)	3393.2	7.6	B3/5000		
BH (60°-80°)	1041.7	2.3	B3/2500		G3/2500
BVH (80°-90°)	10.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°
0°	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2
2.5°	5144.4	5180.1	5171.1	5162.2	5159.2	5165.2	5168.2	5165.2	5165.2	5165.2
5°	5046.2	5075.9	5075.9	5096.7	5126.5	5162.2	5189.0	5194.9	5200.9	5209.8
7.5°	4858.7	4882.5	4900.4	4968.8	5043.2	5138.4	5218.7	5260.4	5266.3	5299.1
10°	4730.8	4760.5	4790.3	4861.7	4968.8	5111.6	5248.5	5349.6	5364.5	5441.9
12.5°	4724.8	4754.6	4793.3	4870.6	4995.6	5147.3	5313.9	5459.7	5486.5	5599.6
15°	4787.3	4823.0	4858.7	4953.9	5087.8	5272.3	5450.8	5632.3	5659.1	5819.8
17.5°	4915.3	4962.9	4989.6	5084.8	5227.7	5433.0	5668.0	5876.3	5900.1	6087.5
20°	5168.2	5224.7	5233.6	5311.0	5450.8	5671.0	5950.7	6209.5	6239.3	6453.5
22.5°	5691.8	5772.1	5700.7	5739.4	5864.4	6084.6	6388.0	6715.3	6757.0	7001.0
25°	6614.2	6727.2	6542.8	6477.3	6530.9	6760.0	7140.8	7554.4	7602.0	7798.3
27.5°	8426.1	8280.4	8000.7	7726.9	7566.3	7697.2	8125.6	8637.4	8696.9	8887.3
30°	10416.6	10288.7	9910.8	9303.9	8923.0	8902.2	9297.9	9869.2	9937.6	10119.1
32.5°	12410.1	12288.1	11877.5	11130.7	10470.2	10142.9	10416.6	11050.4	11086.1	11202.1
35°	14370.9	14245.9	13835.3	13070.6	12258.4	11514.5	11461.0	12175.1	12187.0	12309.0
37.5°	16343.5	16239.4	15802.0	15052.2	14251.8	13225.4	12728.5	13240.2	13255.1	13374.1
40°	17750.8	17795.5	17495.0	16914.8	16227.5	15105.8	14150.7	14373.8	14284.6	14483.9
42.5°	18958.8	19048.1	18786.3	18494.7	18096.0	17108.2	15912.1	15873.4	15730.6	15837.7
45°	20003.2	20077.6	19842.5	19774.1	19765.1	19071.9	17837.1	17605.0	17405.7	17384.9
47.5°	20387.0	20529.8	20631.0	20860.1	21306.4	21014.8	19827.6	19467.6	19244.5	19080.8
50°	20532.8	20684.5	21029.7	21696.1	22752.4	22877.3	21809.2	21404.5	21130.8	20833.3
52.5°	20336.4	20607.2	21071.3	22193.0	23725.3	24371.0	23710.4	23356.4	23044.0	22559.0
55°	19179.0	19449.8	20398.9	22187.1	24210.3	25418.3	25507.5	25349.8	24998.8	24234.1
57.5°	16739.2	17140.9	18643.4	21431.3	24201.4	26319.8	27268.9	27382.0	26989.3	25894.3
60°	13359.2	13903.7	15736.5	19756.2	23454.6	26807.8	28813.1	29378.4	28961.9	27530.8
62.5°	9321.7	9952.5	11687.1	17132.0	21746.7	26456.7	29940.8	30985.1	30669.7	28994.6
65°	5685.9	5888.2	7286.6	13481.2	18842.8	24986.9	30288.9	31853.9	31749.8	29890.2
67.5°	3787.6	3957.2	4358.9	9244.4	14626.7	22050.2	29455.8	31702.2	31731.9	29744.4
70°	2282.1	2427.9	2689.7	5376.4	9479.4	17453.3	26876.2	29768.2	29940.8	27795.6
72.5°	940.2	1038.4	1276.4	2436.8	4909.3	11077.2	21401.6	25558.1	25959.8	23371.2
75°	532.6	583.2	749.8	1222.9	2130.3	5162.2	12963.5	18143.6	18735.7	16108.5
77.5°	354.1	377.9	485.0	791.4	1199.1	1761.4	5540.1	9452.6	10583.3	8798.1
80°	238.0	258.9	333.2	529.6	779.5	755.7	1764.4	3502.0	4308.3	3022.9
82.5°	160.7	163.6	238.0	348.1	493.9	366.0	520.7	1089.0	1368.7	874.7
85°	92.2	89.3	175.5	202.3	220.2	151.7	157.7	327.3	428.4	368.9
87.5°	11.9	17.9	68.4	53.6	29.8	32.7	32.7	56.5	83.3	89.3
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°
5162.2	0°	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2	5162.2
5168.2	2.5°	5168.2	5165.2	5156.3	5147.3	5126.5	5114.6	5120.5	5114.6	5111.6	5114.6
5206.8	5°	5206.8	5197.9	5174.1	5144.4	5102.7	5052.1	5019.4	4971.8	4927.2	4900.4
5311.0	7.5°	5311.0	5302.0	5269.3	5186.0	5052.1	4840.9	4647.5	4477.9	4349.9	4275.6
5477.6	10°	5477.6	5462.7	5412.1	5227.7	4876.6	4415.4	4031.6	3713.2	3504.9	3406.8
5674.0	12.5°	5674.0	5656.1	5566.8	5189.0	4543.3	3823.3	3293.7	2939.6	2746.2	2659.9
5900.1	15°	5906.0	5882.2	5706.7	5004.5	4058.4	3168.7	2683.8	2418.9	2294.0	2216.6
6188.7	17.5°	6194.6	6153.0	5810.8	4727.8	3531.7	2668.9	2308.9	2109.5	1999.4	1925.0
6566.6	20°	6569.5	6501.1	5894.1	4397.5	3046.7	2353.5	2056.0	1889.3	1806.0	1740.6
7102.1	22.5°	7093.2	6995.0	5995.3	4040.5	2704.6	2136.3	1868.5	1746.5	1678.1	1603.7
7848.9	25°	7741.8	7625.8	6120.3	3710.2	2469.5	1948.8	1731.6	1630.5	1550.1	1463.9
8827.8	27.5°	8649.3	8441.0	6269.0	3439.5	2267.2	1788.2	1606.7	1493.6	1401.4	1330.0
9937.6	30°	9660.9	9318.7	6399.9	3275.8	2082.7	1639.4	1443.0	1330.0	1243.7	1193.1
10934.4	32.5°	10619.0	10154.8	6486.2	3204.4	1916.1	1469.8	1264.5	1142.5	1077.1	1062.2
11910.3	35°	11523.5	10910.5	6477.3	3136.0	1767.3	1300.2	1089.0	964.0	913.4	922.4
12960.6	37.5°	12564.8	11716.9	6414.8	3028.9	1645.4	1145.5	937.2	827.1	782.5	785.5
14237.0	40°	13775.8	12648.1	6376.1	2826.6	1511.5	1002.7	812.3	723.0	690.3	678.4
15581.8	42.5°	15067.1	13549.7	6382.1	2597.5	1344.9	874.7	726.0	651.6	621.8	612.9
17078.4	45°	16364.3	14409.5	6391.0	2359.4	1169.3	776.6	663.5	601.0	583.2	571.3
18595.8	47.5°	17584.2	15141.5	6224.4	2103.6	996.7	702.2	612.9	571.3	556.4	541.5
20119.2	50°	18720.8	15629.4	5822.7	1806.0	859.9	642.7	574.2	544.5	529.6	514.7
21499.8	52.5°	19604.5	15706.8	5159.2	1499.6	764.7	598.0	550.4	523.7	505.8	490.9
22615.5	55°	19997.2	15221.8	4216.0	1213.9	690.3	559.4	526.6	499.9	479.0	464.2
23493.2	57.5°	19896.1	14201.3	3287.7	975.9	618.9	520.7	496.9	479.0	455.2	431.4
24204.3	60°	19399.2	12835.6	2478.5	812.3	553.4	479.0	464.2	449.3	416.5	380.8
24478.1	62.5°	18539.3	11118.8	1767.3	672.4	482.0	431.4	425.5	413.6	366.0	300.5
24073.4	65°	17224.2	9033.1	1190.1	559.4	413.6	377.9	380.8	360.0	297.5	223.2
22591.7	67.5°	15302.1	6605.2	761.7	458.2	345.1	315.4	318.4	306.5	252.9	190.4
19783.0	70°	12853.4	4373.7	496.9	348.1	276.7	244.0	261.8	264.8	214.2	154.7
15183.1	72.5°	9422.9	2582.6	348.1	258.9	202.3	169.6	214.2	220.2	172.6	116.0
9134.3	75°	5370.5	1225.8	261.8	187.4	125.0	119.0	166.6	166.6	119.0	77.4
3954.2	77.5°	2255.3	511.8	184.5	122.0	71.4	68.4	113.1	104.1	59.5	35.7
964.0	80°	651.6	229.1	98.2	59.5	29.8	26.8	44.6	32.7	14.9	6.0
366.0	82.5°	255.9	101.2	38.7	23.8	11.9	11.9	6.0	0.0	0.0	0.0
208.3	85°	151.7	41.7	17.9	8.9	3.0	0.0	0.0	0.0	0.0	0.0
44.6	87.5°	38.7	8.9	6.0	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°
5162.2
5126.5
4906.3
4278.5
3397.8
2651.0
2219.6
1919.1
1728.7
1591.8
1454.9
1315.1
1184.2
1071.1
922.4
797.4
675.4
609.9
571.3
541.5
514.7
488.0
461.2
428.4
374.9
294.6
217.2
181.5
148.8
110.1
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