

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: P850967

Luminaire Tested: **GLAN-SB8D-722-U-T3-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850967  
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-SB8D-722-U-T3-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

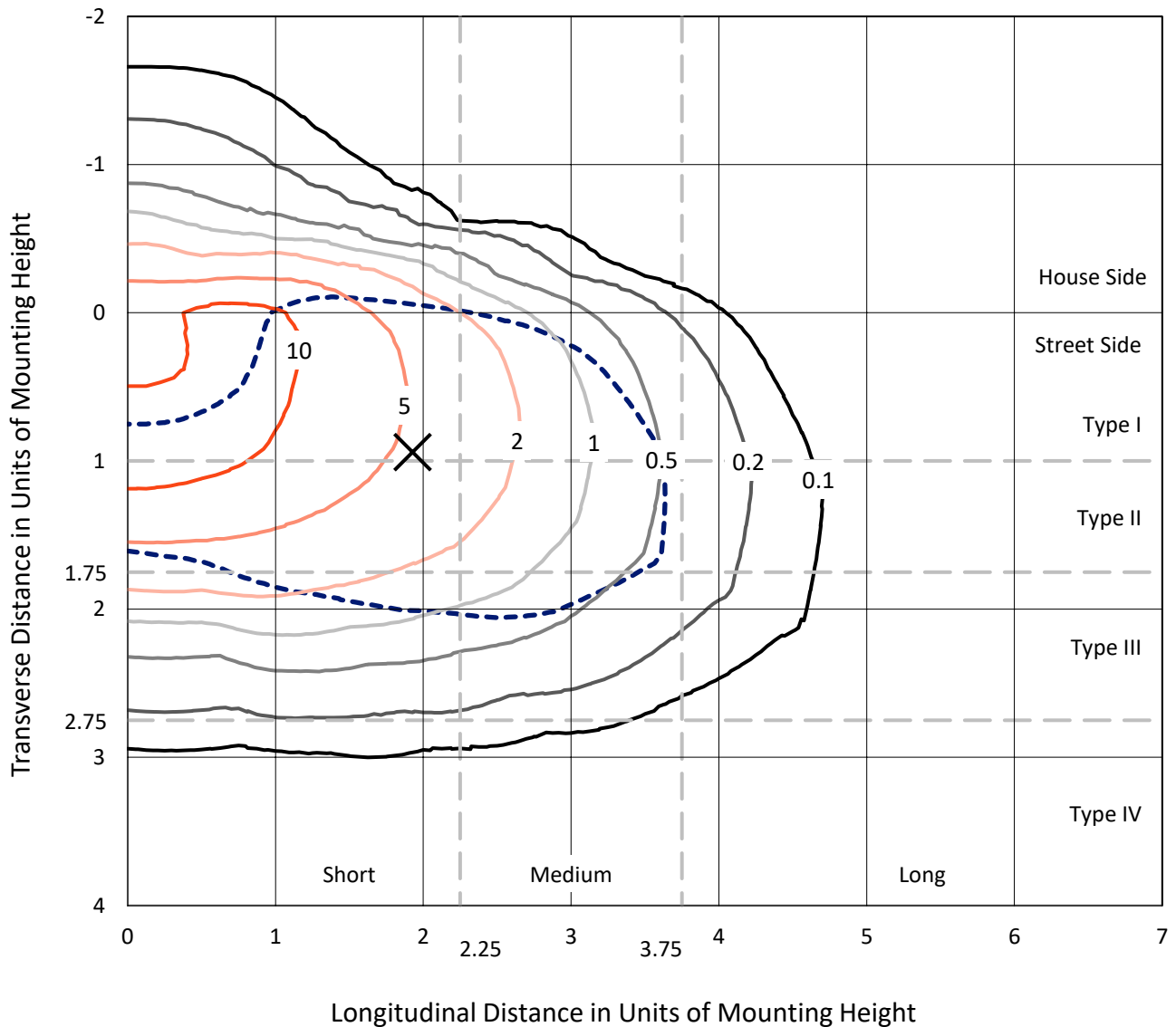
Lumens per Lamp: N/A  
Luminaire Lumens: 50464 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): 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

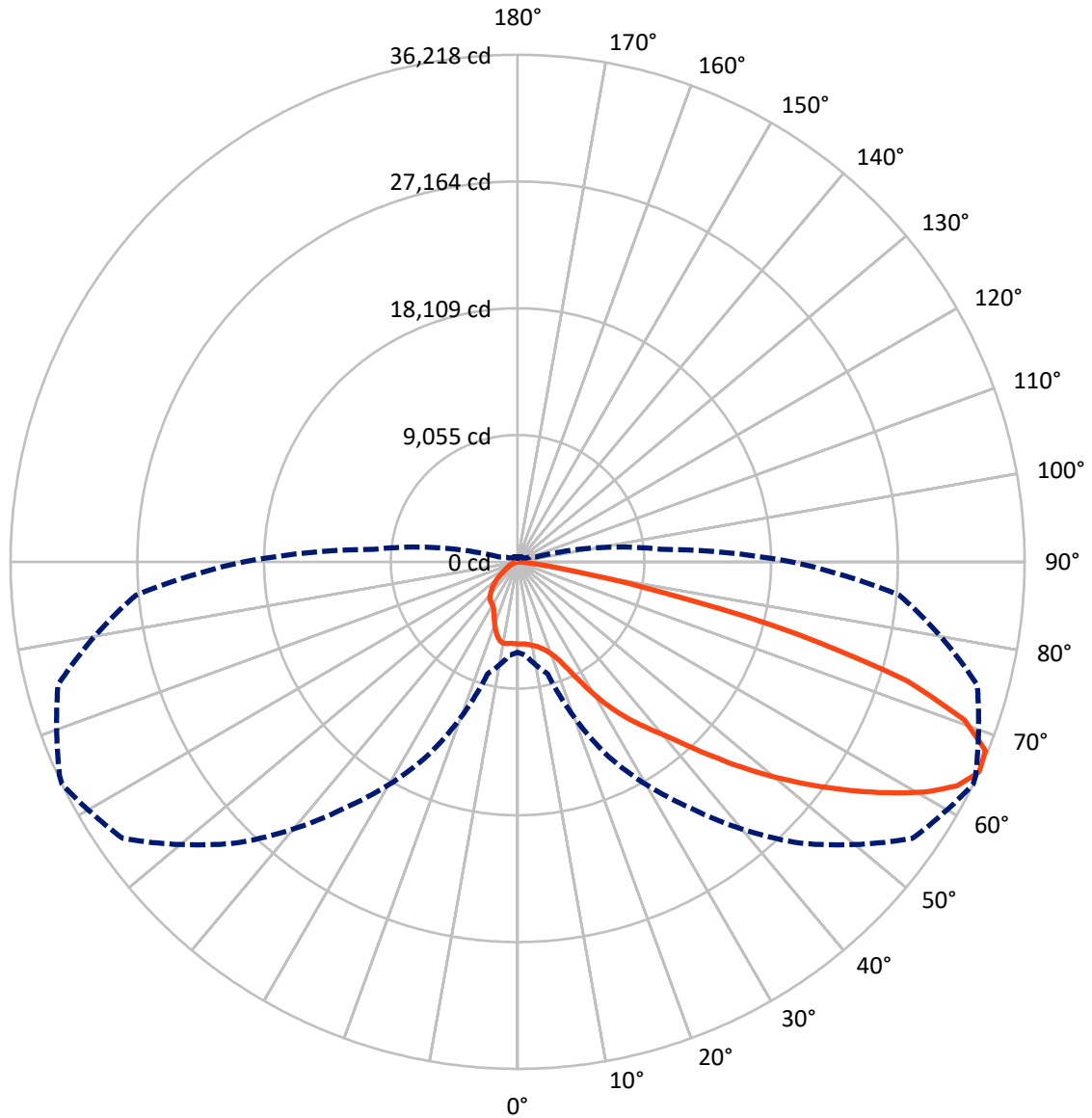
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.8 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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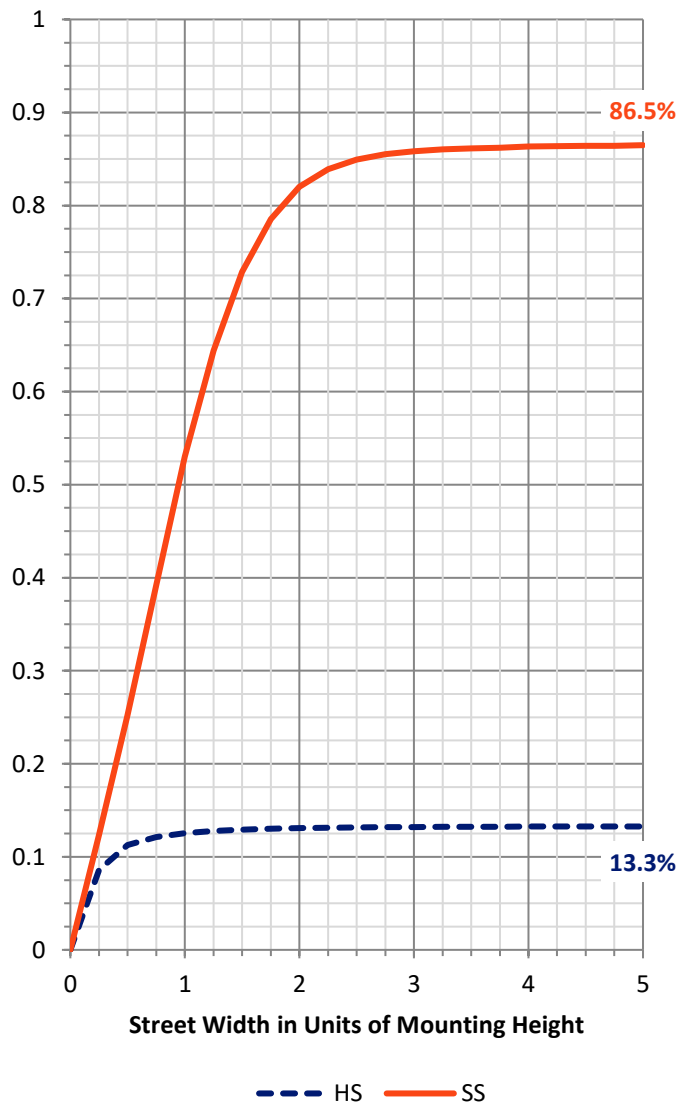
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6748.6	0.0	6748.6
	% Fixture	13.4	0.0	13.4
<b>Street Side</b>	Lumens	43715.4	0.0	43715.4
	% Fixture	86.6	0.0	86.6
<b>Total</b>	Lumens	50464.0	0.0	50464.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	541.5	1.1
10°-20°	1468.8	2.9
20°-30°	2783.2	5.5
30°-40°	5631.8	11.2
40°-50°	9593.8	19.0
50°-60°	13046.9	25.9
60°-70°	12251.7	24.3
70°-80°	4908.5	9.7
80°-90°	237.8	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°	50464.0	100.0
0°-180°	50464.0	100.0

**Coefficient of Utilization**



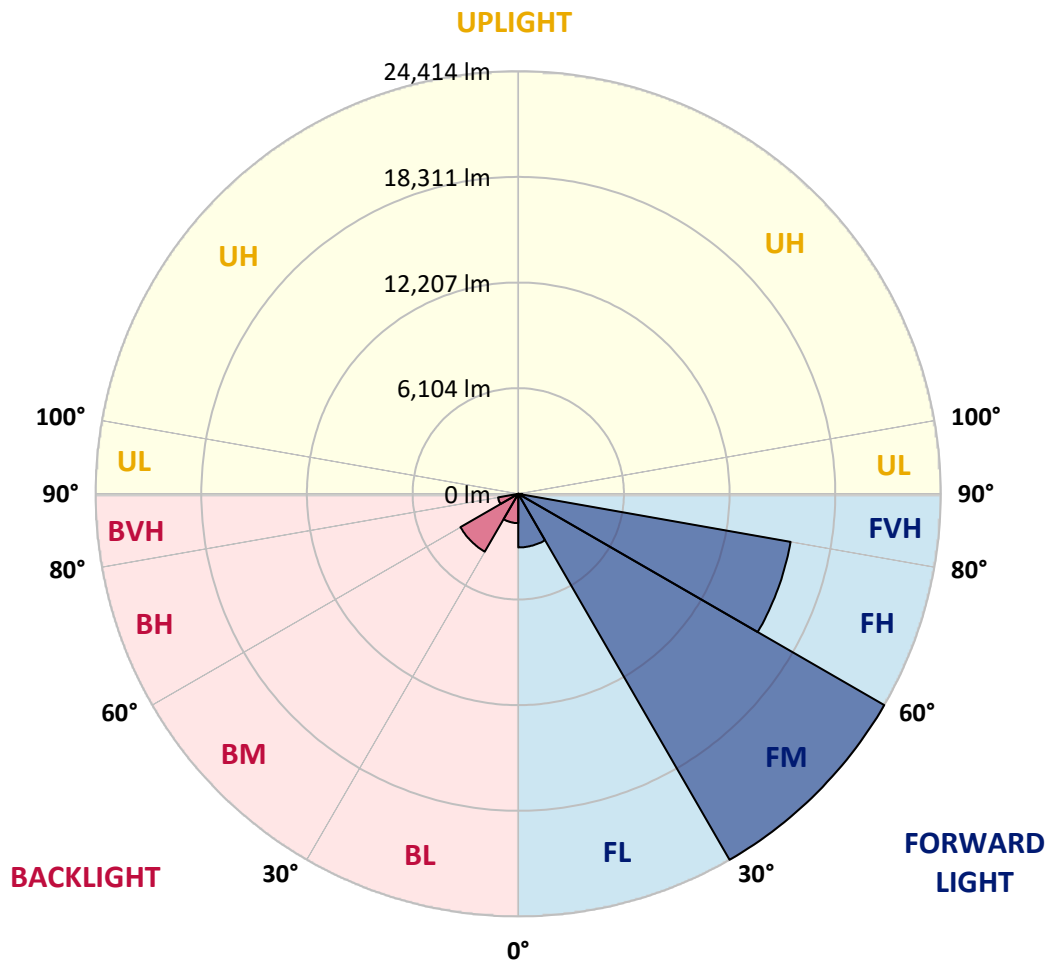
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3099.1	6.1			
FM (30°-60°)	24414.4	48.4			
FH (60°-80°)	15975.7	31.7			G5
FVH (80°-90°)	226.2	0.4			G3/500
BL (0°-30°)	1694.4	3.4	B3/2500		
BM (30°-60°)	3858.1	7.6	B3/5000		
BH (60°-80°)	1184.5	2.3	B3/2500		G3/2500
BVH (80°-90°)	11.6	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°	5869.5	5869.5	5869.5	5869.5	5869.5	5869.5	5869.5	5869.5	5869.5	5869.5
2.5°	5849.2	5889.8	5879.6	5869.5	5866.1	5872.9	5876.3	5872.9	5872.9	5872.9
5°	5737.6	5771.4	5771.4	5795.1	5828.9	5869.5	5899.9	5906.7	5913.5	5923.6
7.5°	5524.4	5551.5	5571.8	5649.6	5734.2	5842.4	5933.8	5981.1	5987.9	6025.1
10°	5379.0	5412.8	5446.6	5527.8	5649.6	5812.0	5967.6	6082.6	6099.5	6187.5
12.5°	5372.2	5406.0	5450.0	5538.0	5680.0	5852.6	6042.0	6207.8	6238.2	6366.8
15°	5443.2	5483.8	5524.4	5632.7	5784.9	5994.7	6197.6	6404.0	6434.4	6617.1
17.5°	5588.7	5642.8	5673.3	5781.5	5943.9	6177.3	6444.6	6681.4	6708.5	6921.6
20°	5876.3	5940.5	5950.7	6038.6	6197.6	6448.0	6766.0	7060.3	7094.1	7337.7
22.5°	6471.7	6563.0	6481.8	6525.8	6667.9	6918.2	7263.3	7635.4	7682.8	7960.2
25°	7520.4	7648.9	7439.2	7364.8	7425.7	7686.2	8119.2	8589.4	8643.5	8866.8
27.5°	9580.6	9414.9	9096.9	8785.6	8602.9	8751.8	9238.9	9820.8	9888.5	10105.0
30°	11843.8	11698.4	11268.7	10578.6	10145.6	10121.9	10571.8	11221.4	11299.2	11505.5
32.5°	14110.5	13971.7	13504.9	12655.8	11904.7	11532.6	11843.8	12564.4	12605.0	12737.0
35°	16339.8	16197.8	15730.9	14861.5	13937.9	13092.2	13031.3	13843.2	13856.7	13995.4
37.5°	18582.8	18464.4	17967.1	17114.5	16204.5	15037.4	14472.4	15054.3	15071.2	15206.5
40°	20182.9	20233.7	19892.0	19232.3	18450.8	17175.4	16089.5	16343.2	16241.7	16468.4
42.5°	21556.4	21657.9	21360.2	21028.7	20575.3	19452.2	18092.2	18048.3	17885.9	18007.7
45°	22743.8	22828.4	22561.2	22483.3	22473.2	21685.0	20281.0	20017.2	19790.5	19766.8
47.5°	23180.2	23342.6	23457.7	23718.1	24225.6	23894.1	22544.2	22134.9	21881.2	21695.1
50°	23346.0	23518.5	23911.0	24668.8	25869.7	26011.8	24797.3	24337.2	24026.0	23687.7
52.5°	23122.7	23430.6	23958.3	25233.7	26976.0	27710.1	26959.0	26556.5	26201.3	25649.8
55°	21806.8	22114.6	23193.8	25227.0	27527.4	28900.9	29002.4	28823.1	28423.9	27554.5
57.5°	19032.7	19489.4	21197.8	24367.7	27517.2	29925.9	31005.1	31133.7	30687.1	29442.2
60°	15189.6	15808.7	17892.6	22463.1	26668.1	30480.7	32760.9	33403.6	32930.0	31302.8
62.5°	10598.9	11316.1	13288.4	19479.3	24726.3	30081.5	34043.0	35230.5	34871.9	32967.2
65°	6464.9	6694.9	8284.9	15328.3	21424.5	28410.3	34438.8	36218.3	36099.9	33985.5
67.5°	4306.5	4499.4	4956.1	10510.9	16630.8	25071.3	33491.6	36045.8	36079.6	33819.7
70°	2594.8	2760.5	3058.2	6113.1	10778.2	19844.6	30558.5	33846.8	34043.0	31603.9
72.5°	1069.0	1180.7	1451.3	2770.7	5581.9	12594.9	24333.8	29059.9	29516.6	26573.4
75°	605.6	663.1	852.5	1390.4	2422.2	5869.5	14739.7	20629.5	21302.7	18315.5
77.5°	402.6	429.6	551.4	899.9	1363.3	2002.7	6299.1	10747.8	12033.3	10003.5
80°	270.6	294.3	378.9	602.2	886.3	859.3	2006.1	3981.8	4898.6	3437.1
82.5°	182.7	186.1	270.6	395.8	561.6	416.1	592.0	1238.2	1556.2	994.6
85°	104.9	101.5	199.6	230.0	250.3	172.5	179.3	372.1	487.2	419.5
87.5°	13.5	20.3	77.8	60.9	33.8	37.2	37.2	64.3	94.7	101.5
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°
5869.5	0°	5869.5	5869.5	5869.5	5869.5	5869.5	5869.5	5869.5	5869.5	5869.5	5869.5
5876.3	2.5°	5876.3	5872.9	5862.7	5852.6	5828.9	5815.4	5822.1	5815.4	5812.0	5815.4
5920.2	5°	5920.2	5910.1	5883.0	5849.2	5801.8	5744.3	5707.1	5653.0	5602.2	5571.8
6038.6	7.5°	6038.6	6028.5	5991.3	5896.6	5744.3	5504.1	5284.2	5091.4	4945.9	4861.4
6228.1	10°	6228.1	6211.2	6153.7	5943.9	5544.7	5020.4	4584.0	4222.0	3985.2	3873.5
6451.4	12.5°	6451.4	6431.1	6329.6	5899.9	5165.8	4347.1	3745.0	3342.4	3122.5	3024.4
6708.5	15°	6715.2	6688.2	6488.6	5690.2	4614.4	3602.9	3051.5	2750.4	2608.3	2520.3
7036.6	17.5°	7043.4	6996.0	6607.0	5375.6	4015.6	3034.5	2625.2	2398.5	2273.4	2188.8
7466.3	20°	7469.6	7391.8	6701.7	5000.1	3464.2	2675.9	2337.6	2148.2	2053.5	1979.0
8075.2	22.5°	8065.0	7953.4	6816.7	4594.1	3075.1	2429.0	2124.5	1985.8	1908.0	1823.4
8924.3	25°	8802.5	8670.6	6958.8	4218.6	2807.9	2215.9	1968.9	1853.9	1762.5	1664.4
10037.3	27.5°	9834.4	9597.5	7128.0	3910.7	2577.8	2033.2	1826.8	1698.3	1593.4	1512.2
11299.2	30°	10984.6	10595.5	7276.8	3724.7	2368.1	1864.0	1640.8	1512.2	1414.1	1356.6
12432.5	32.5°	12073.9	11546.1	7374.9	3643.5	2178.6	1671.2	1437.8	1299.1	1224.6	1207.7
13542.1	35°	13102.3	12405.4	7364.8	3565.7	2009.5	1478.4	1238.2	1096.1	1038.6	1048.7
14736.3	37.5°	14286.4	13322.2	7293.7	3443.9	1870.8	1302.5	1065.6	940.5	889.7	893.1
16187.6	40°	15663.2	14381.1	7249.7	3213.8	1718.6	1140.1	923.6	822.1	784.9	771.3
17716.7	42.5°	17131.5	15406.1	7256.5	2953.4	1529.1	994.6	825.4	740.9	707.0	696.9
19418.4	45°	18606.4	16383.8	7266.7	2682.7	1329.5	883.0	754.4	683.4	663.1	649.5
21143.7	47.5°	19993.5	17216.0	7077.2	2391.8	1133.3	798.4	696.9	649.5	632.6	615.7
22875.8	50°	21285.8	17770.8	6620.5	2053.5	977.7	730.7	652.9	619.1	602.2	585.3
24445.5	52.5°	22290.5	17858.8	5866.1	1705.0	869.4	680.0	625.9	595.4	575.1	558.2
25714.1	55°	22737.1	17307.4	4793.7	1380.3	784.9	636.0	598.8	568.3	544.7	527.7
26712.1	57.5°	22622.1	16147.0	3738.2	1109.6	703.7	592.0	565.0	544.7	517.6	490.5
27520.6	60°	22057.1	14594.2	2818.0	923.6	629.2	544.7	527.7	510.8	473.6	433.0
27831.9	62.5°	21079.4	12642.2	2009.5	764.6	548.0	490.5	483.8	470.2	416.1	341.7
27371.8	65°	19584.1	10270.8	1353.2	636.0	470.2	429.6	433.0	409.3	338.3	253.7
25687.0	67.5°	17398.7	7510.2	866.0	521.0	392.4	358.6	362.0	348.4	287.6	216.5
22493.5	70°	14614.5	4973.0	565.0	395.8	314.6	277.4	297.7	301.1	243.6	175.9
17263.4	72.5°	10713.9	2936.4	395.8	294.3	230.0	192.8	243.6	250.3	196.2	131.9
10385.8	75°	6106.3	1393.8	297.7	213.1	142.1	135.3	189.4	189.4	135.3	88.0
4496.0	77.5°	2564.3	581.9	209.7	138.7	81.2	77.8	128.6	118.4	67.7	40.6
1096.1	80°	740.9	260.5	111.6	67.7	33.8	30.4	50.7	37.2	16.9	6.8
416.1	82.5°	290.9	115.0	44.0	27.1	13.5	13.5	6.8	0.0	0.0	0.0
236.8	85°	172.5	47.4	20.3	10.1	3.4	0.0	0.0	0.0	0.0	0.0
50.7	87.5°	44.0	10.1	6.8	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°
5869.5
5828.9
5578.6
4864.7
3863.4
3014.2
2523.7
2182.0
1965.5
1809.9
1654.3
1495.3
1346.4
1217.9
1048.7
906.6
767.9
693.5
649.5
615.7
585.3
554.8
524.4
487.2
426.3
334.9
247.0
206.4
169.1
125.2
81.2
40.6
6.8
0.0
0.0
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