

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: P955438

Luminaire Tested: **GLAN-SB8B-927-U-AFL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P955438  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB8B-927-U-AFL  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28188 lumens  
Efficiency: N/A  
Efficacy: 96.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

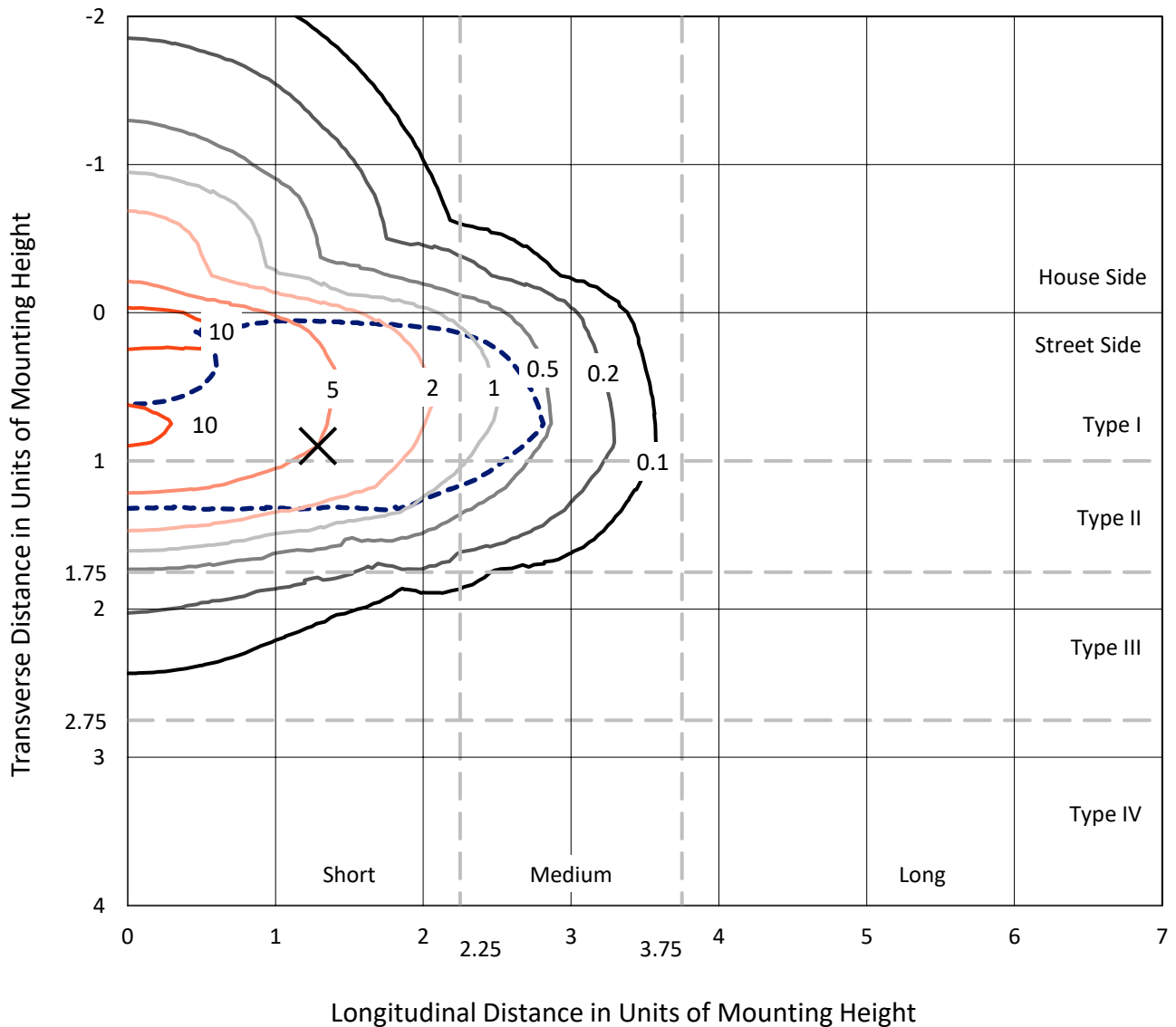
Input Watts (W): 292.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

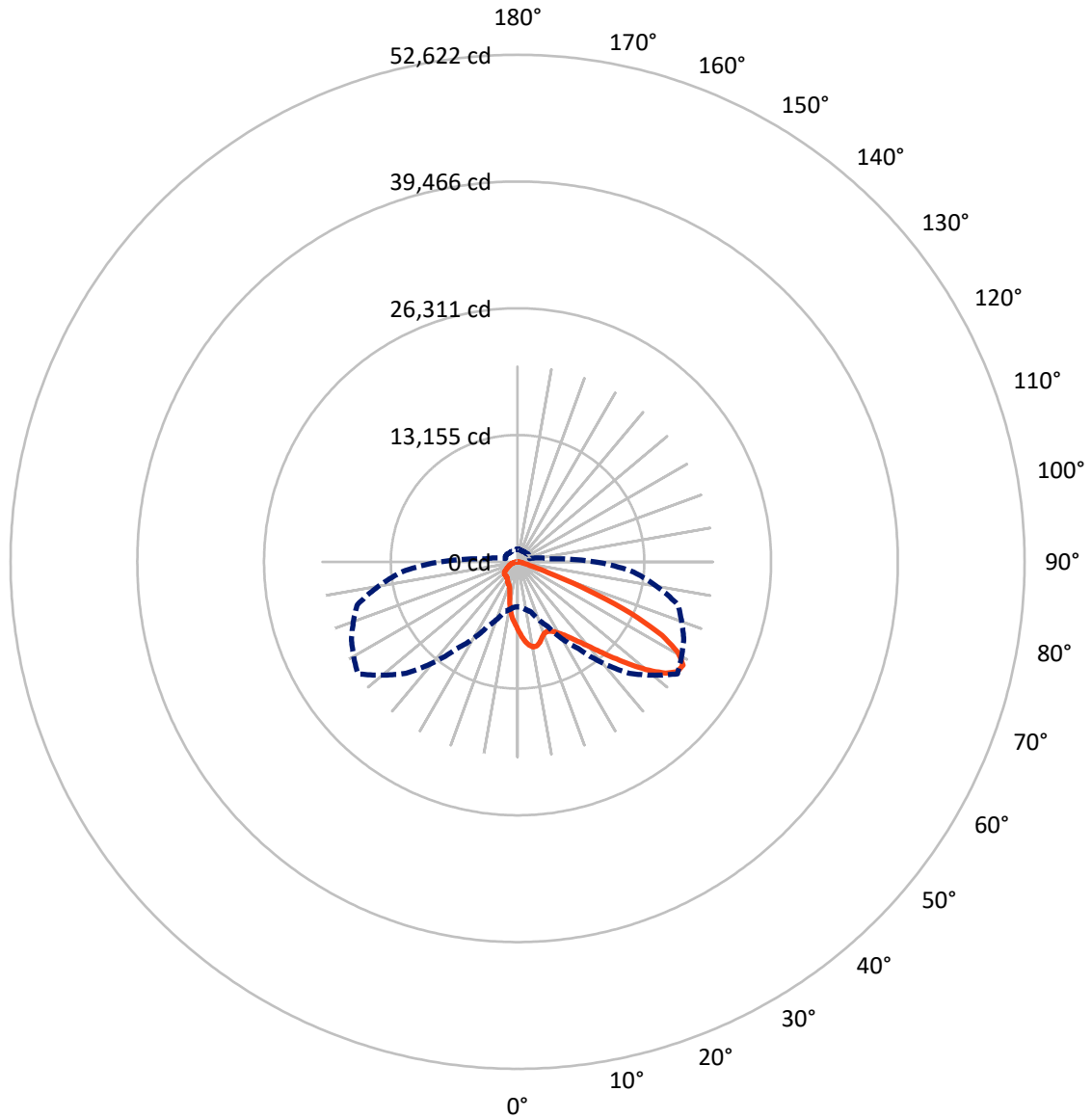
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 57.5-Deg Vertical

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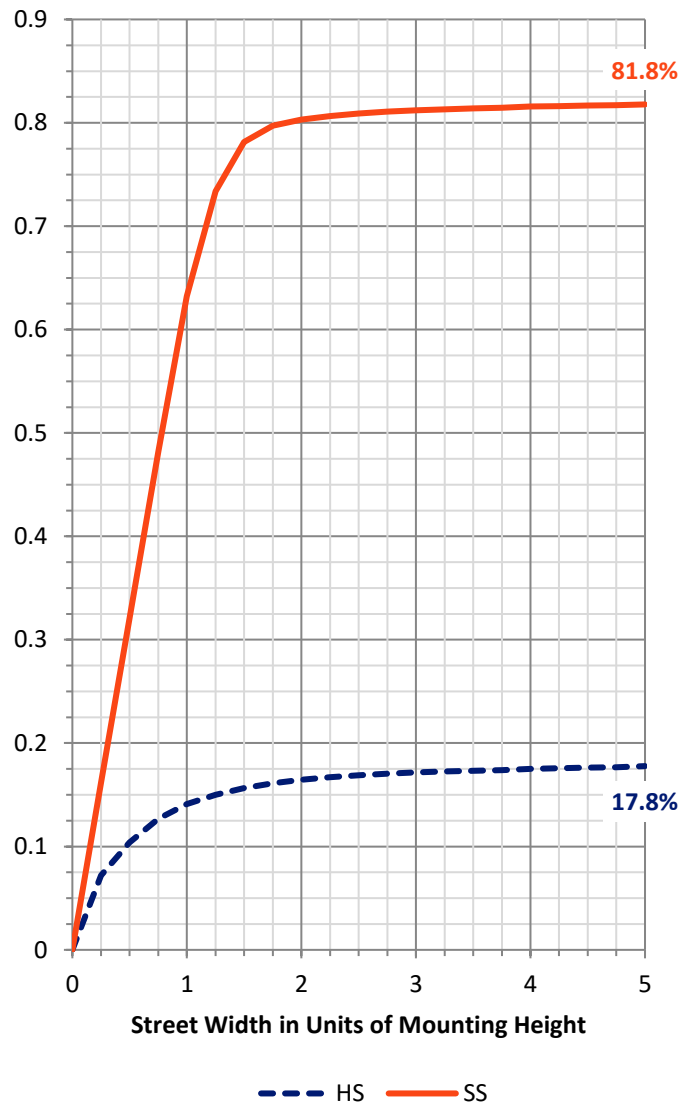
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5100.5	0.0	5100.5
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	23087.5	0.0	23087.5
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	28188.0	0.0	28188.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	655.4	2.3
10°-20°	1654.3	5.9
20°-30°	2639.7	9.4
30°-40°	4179.4	14.8
40°-50°	6396.9	22.7
50°-60°	6851.7	24.3
60°-70°	4310.5	15.3
70°-80°	1274.7	4.5
80°-90°	225.4	0.8
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°	28188.0	100.0
0°-180°	28188.0	100.0

**Coefficient of Utilization**



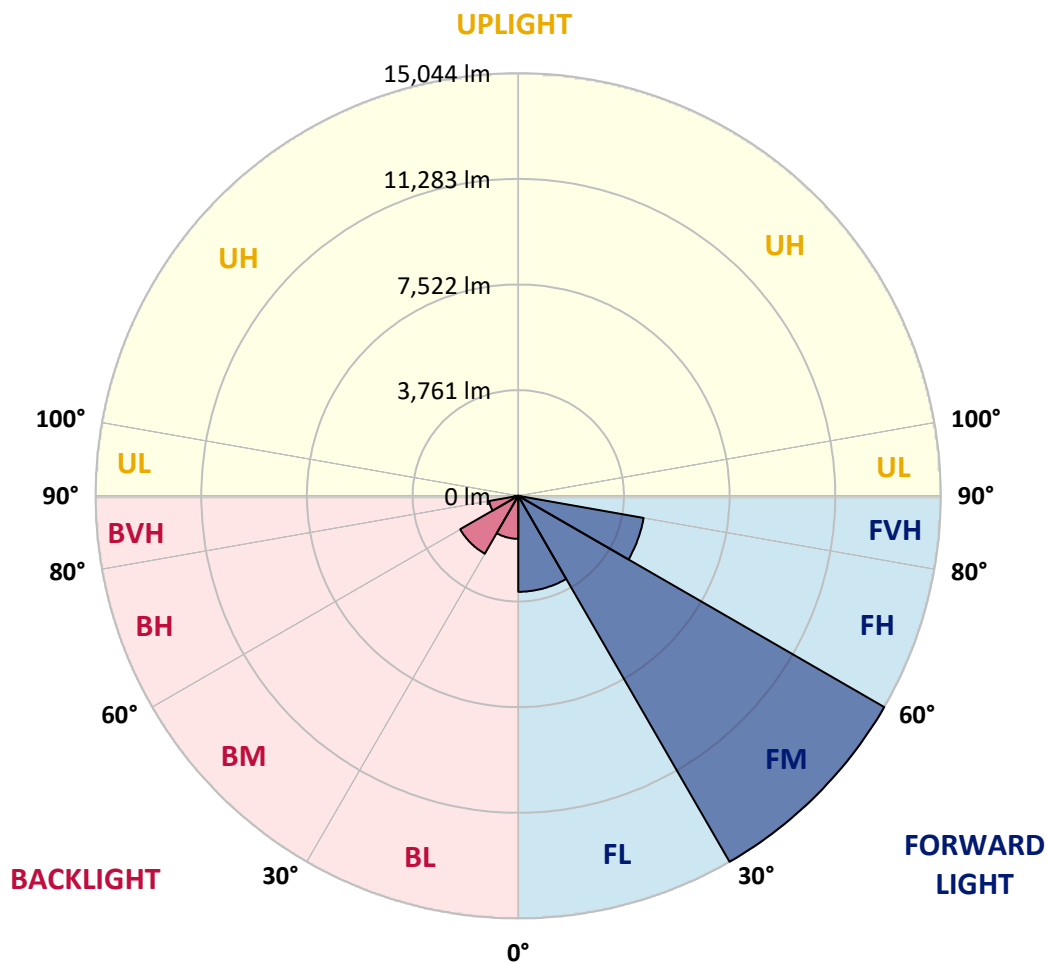
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3416.4	12.1			
FM (30°-60°)	15044.1	53.4			
FH (60°-80°)	4531.8	16.1			G2/5000
FVH (80°-90°)	95.2	0.3			G1/100
BL (0°-30°)	1533.0	5.4	B3/2500		
BM (30°-60°)	2383.9	8.5	B2/2500		
BH (60°-80°)	1053.4	3.7	B3/2500		G3/2500
BVH (80°-90°)	130.2	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-G3**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	7063.0	7063.0	7063.0	7063.0	7063.0	7063.0	7063.0	7063.0	7063.0	7063.0
2.5°	8103.4	8097.6	8129.7	8020.4	7946.1	7845.5	7712.9	7543.9	7361.7	7169.4
5°	8833.5	8782.5	8816.0	8734.4	8652.8	8501.2	8304.5	8029.1	7692.5	7309.3
7.5°	8718.4	8683.4	8769.4	8842.2	8903.4	8884.5	8740.2	8451.7	8017.5	7460.8
10°	7790.1	7750.8	7871.7	8123.8	8494.0	8816.0	8990.9	8811.6	8349.7	7626.9
12.5°	6971.2	6952.3	7032.4	7236.4	7647.3	8265.2	8958.8	9126.4	8695.1	7823.7
15°	6621.5	6598.2	6649.2	6752.6	7014.9	7590.5	8667.4	9342.0	9034.6	8051.0
17.5°	6544.2	6518.0	6539.9	6593.8	6762.8	7201.4	8227.3	9448.4	9388.7	8304.5
20°	6687.0	6665.2	6668.1	6665.2	6783.2	7131.5	7921.3	9407.6	9697.6	8537.7
22.5°	7032.4	6996.0	6997.4	6920.2	6984.3	7253.9	7841.1	9298.3	9973.0	8741.7
25°	7594.9	7529.3	7542.4	7345.7	7328.2	7527.8	7966.5	9213.8	10247.0	8904.9
27.5°	8364.3	8290.0	8250.6	7957.7	7817.8	7916.9	8221.5	9243.0	10506.3	9046.2
30°	9326.0	9235.7	9155.5	8740.2	8486.7	8450.2	8617.8	9435.3	10812.3	9194.9
32.5°	10504.9	10400.0	10254.2	9703.4	9346.4	9155.5	9130.7	9777.7	11170.8	9384.3
35°	11908.2	11771.2	11564.3	10851.7	10400.0	10009.4	9806.9	10271.7	11661.9	9669.9
37.5°	13353.7	13199.2	13009.8	12161.7	11606.5	11030.9	10631.7	10942.0	12316.2	10057.5
40°	14687.0	14513.6	14337.3	13582.5	12986.5	12292.9	11641.5	11790.1	13116.2	10520.9
42.5°	15473.9	15345.7	15278.6	14870.6	14410.1	13706.3	12897.6	12795.6	14015.2	11054.2
45°	15438.9	15386.5	15593.4	15762.4	15653.1	15262.6	14369.3	13907.4	14917.2	11516.2
47.5°	14614.2	14649.1	15111.1	16061.1	16479.4	16683.4	16045.1	14998.9	15701.2	11861.5
50°	12370.1	12399.2	13468.8	15517.6	16692.1	17841.8	17707.8	16064.1	16308.9	12072.8
52.5°	10593.8	10612.7	11071.7	13906.0	15989.7	18424.7	19205.8	17068.1	16753.3	12131.1
55°	7979.6	8045.1	8559.5	10910.0	14162.4	17962.8	20118.0	18102.7	17034.5	12136.9
57.5°	4661.5	4733.0	5368.3	7405.4	11007.6	16352.6	20256.4	19020.7	17225.4	12090.3
60°	2283.4	2314.0	2590.9	3892.2	6787.6	13250.2	19143.1	19465.1	17331.8	12065.5
62.5°	1538.8	1534.4	1546.1	1920.6	3344.3	8512.9	16823.3	18687.0	17275.0	11970.8
65°	1323.1	1307.1	1263.4	1347.9	1732.6	3893.6	12998.1	16364.2	16842.2	11733.3
67.5°	1143.9	1145.4	1146.8	1120.6	1237.2	1796.7	7943.1	12890.3	15288.8	10608.3
70°	947.2	960.3	966.1	966.1	1008.4	1178.9	3390.9	8834.9	12059.7	8317.6
72.5°	862.7	835.0	837.9	823.3	823.3	897.6	1365.4	5008.4	7597.8	4679.0
75°	703.8	721.3	724.2	714.0	680.5	684.9	810.2	2101.3	3251.0	1941.0
77.5°	607.6	607.6	613.5	606.2	580.0	512.9	540.6	814.6	1106.0	795.6
80°	488.2	486.7	511.5	526.0	485.2	378.9	345.4	450.3	491.1	349.7
82.5°	237.5	252.1	351.2	400.7	368.7	274.0	211.3	279.8	262.3	154.5
85°	138.4	131.1	157.4	223.0	211.3	151.5	102.0	145.7	137.0	78.7
87.5°	43.7	40.8	32.1	75.8	61.2	42.3	27.7	42.3	37.9	17.5
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):**

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
7063.0	0°	7063.0	7063.0	7063.0	7063.0	7063.0	7063.0	7063.0	7063.0	7063.0	7063.0
7086.3	2.5°	6982.9	6810.9	6640.4	6484.5	6389.8	6328.6	6267.4	6198.9	6172.7	6133.3
7105.3	5°	6912.9	6580.7	6284.9	6029.9	5798.2	5616.0	5432.4	5283.8	5216.7	5261.9
7165.0	7.5°	6872.1	6391.2	5935.1	5467.4	5017.1	4657.2	4343.9	4123.8	4024.8	4049.5
7223.3	10°	6835.7	6177.0	5481.9	4743.2	4096.2	3650.3	3329.7	3162.1	3099.4	3112.6
7302.0	12.5°	6802.2	5936.6	4935.5	3963.6	3275.8	2981.4	2889.6	2891.1	2902.7	2911.5
7427.3	15°	6796.3	5646.6	4324.9	3281.6	2832.8	2813.8	2912.9	2975.6	3009.1	3019.3
7532.2	17.5°	6787.6	5299.8	3702.7	2816.7	2724.9	2853.2	2945.0	2985.8	3012.0	3013.5
7634.2	20°	6752.6	4859.7	3128.6	2595.3	2701.6	2812.4	2869.2	2901.3	2923.1	2930.4
7711.4	22.5°	6644.8	4370.1	2681.2	2496.2	2608.4	2697.3	2764.3	2800.7	2813.8	2822.6
7726.0	25°	6451.0	3822.2	2372.3	2401.4	2478.7	2590.9	2644.8	2652.1	2647.7	2660.8
7689.6	27.5°	6197.4	3235.0	2180.0	2273.2	2372.3	2468.5	2497.6	2493.3	2484.5	2499.1
7626.9	30°	5891.4	2707.5	2057.6	2129.0	2264.5	2351.9	2378.1	2367.9	2350.4	2366.5
7594.9	32.5°	5567.9	2276.1	1957.0	2028.4	2175.6	2261.6	2287.8	2277.6	2264.5	2277.6
7631.3	35°	5266.3	1974.5	1863.7	1961.4	2105.6	2190.2	2223.7	2225.1	2225.1	2241.2
7727.5	37.5°	4989.4	1798.2	1786.5	1919.1	2057.6	2133.3	2181.4	2184.3	2121.7	2126.0
7890.7	40°	4733.0	1723.9	1751.5	1891.4	2010.9	2083.8	2086.7	1923.5	1808.4	1805.5
8077.2	42.5°	4523.1	1709.3	1761.7	1888.5	1977.4	1980.3	1774.9	1648.1	1616.0	1617.5
8249.2	45°	4326.4	1704.9	1785.1	1888.5	1927.9	1710.7	1572.3	1538.8	1541.7	1553.4
8326.4	47.5°	4106.4	1687.4	1789.4	1862.3	1785.1	1521.3	1480.5	1465.9	1460.1	1463.0
8308.9	50°	3865.9	1624.8	1734.1	1809.8	1540.2	1439.7	1388.7	1384.3	1391.6	1396.0
8211.3	52.5°	3612.4	1522.8	1639.3	1715.1	1428.0	1368.3	1311.5	1321.7	1353.7	1363.9
8109.3	55°	3446.3	1403.3	1514.0	1525.7	1349.4	1301.3	1253.2	1276.5	1336.2	1355.2
8048.1	57.5°	3402.5	1276.5	1371.2	1358.1	1248.8	1243.0	1213.8	1234.2	1310.0	1337.7
8045.1	60°	3389.4	1162.8	1231.3	1221.1	1151.2	1178.9	1171.6	1181.8	1208.0	1216.8
8016.0	62.5°	3287.4	1072.5	1106.0	1091.4	1063.7	1111.8	1129.3	1107.5	1127.9	1138.1
7816.4	65°	3028.0	999.6	983.6	973.4	985.1	1028.8	1063.7	1020.0	1039.0	1068.1
7047.0	67.5°	2599.6	900.5	856.8	868.5	904.9	928.2	973.4	923.9	939.9	989.4
5675.8	70°	2102.7	775.2	735.9	769.4	804.4	852.5	859.7	826.2	864.1	919.5
3463.7	72.5°	1487.8	648.4	620.8	689.3	700.9	763.6	747.5	731.5	784.0	802.9
1712.2	75°	1031.7	523.1	507.1	559.6	601.8	655.7	644.1	663.0	773.8	782.5
855.4	77.5°	652.8	406.6	396.4	429.9	488.2	547.9	566.8	782.5	1321.7	1374.1
444.4	80°	378.9	303.1	291.4	317.7	368.7	424.0	546.4	960.3	871.4	861.2
199.6	82.5°	211.3	208.4	193.8	201.1	246.3	306.0	772.3	676.1	549.4	566.8
80.1	85°	99.1	122.4	104.9	100.5	138.4	358.5	515.8	386.2	256.5	250.6
17.5	87.5°	26.2	23.3	23.3	26.2	58.3	308.9	205.5	164.7	97.6	94.7
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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