

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: P946261

Luminaire Tested: **GLAN-SB2A-722-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P946261
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-SB2A-722-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7537 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 57.3
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

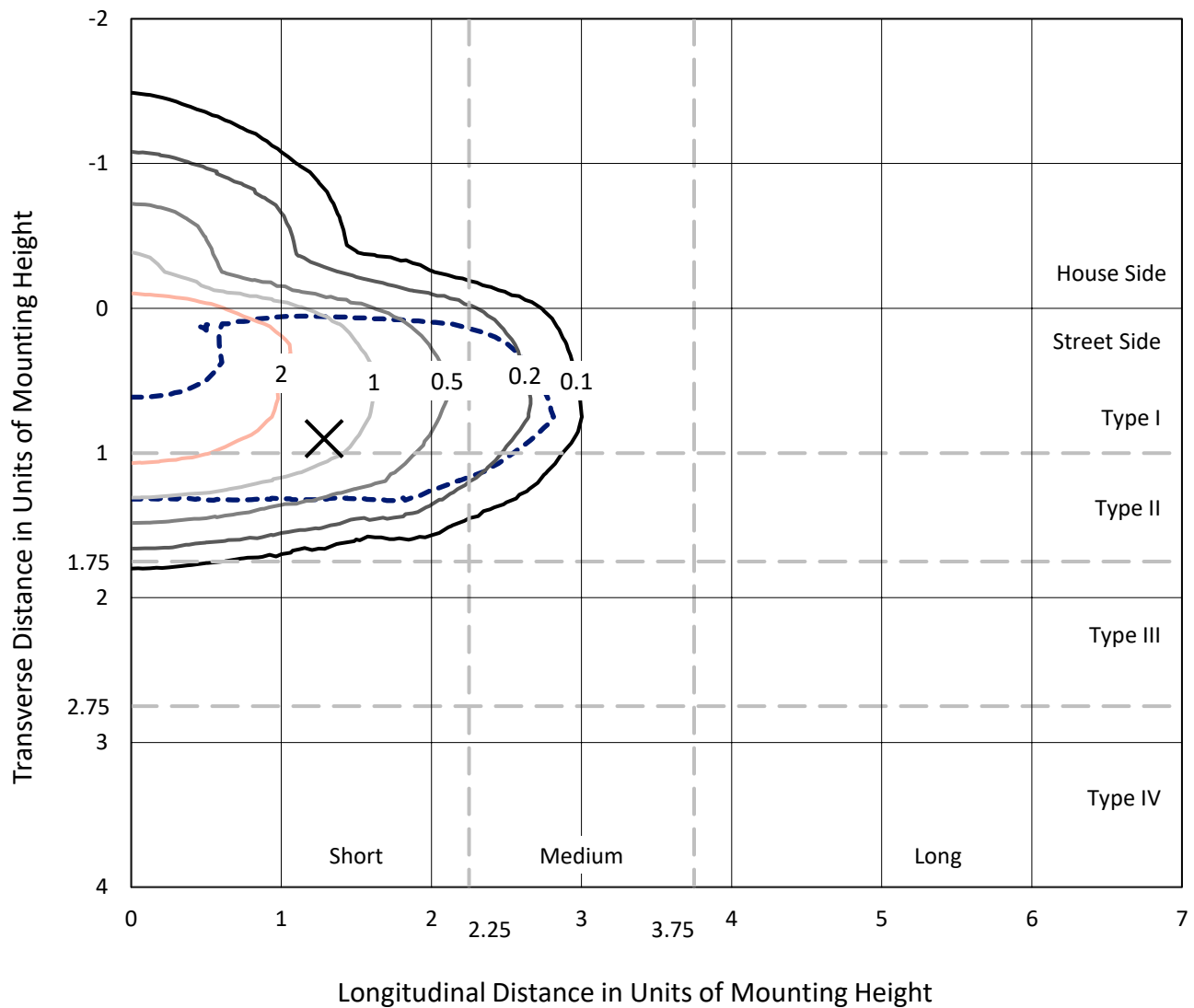


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

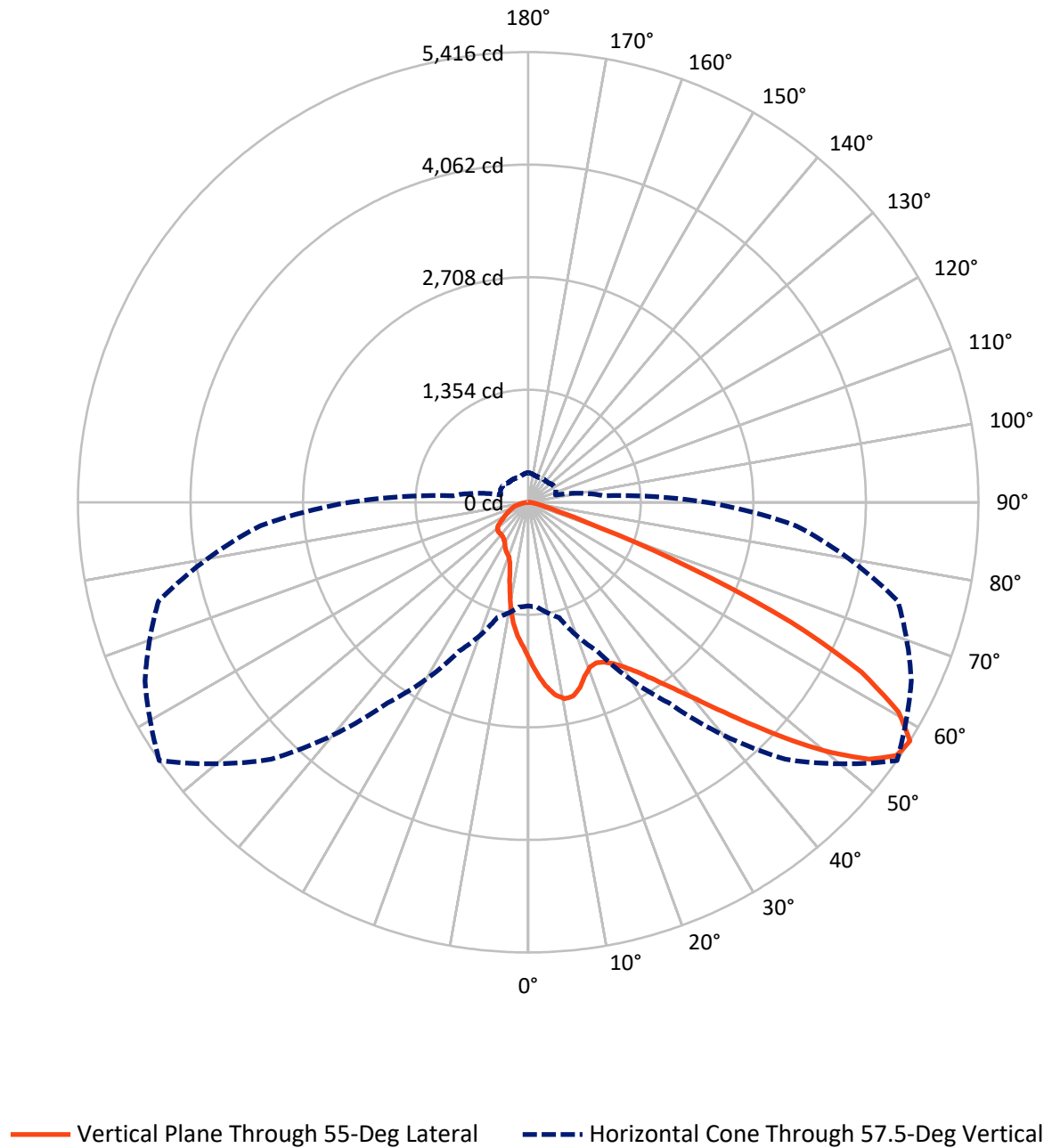


Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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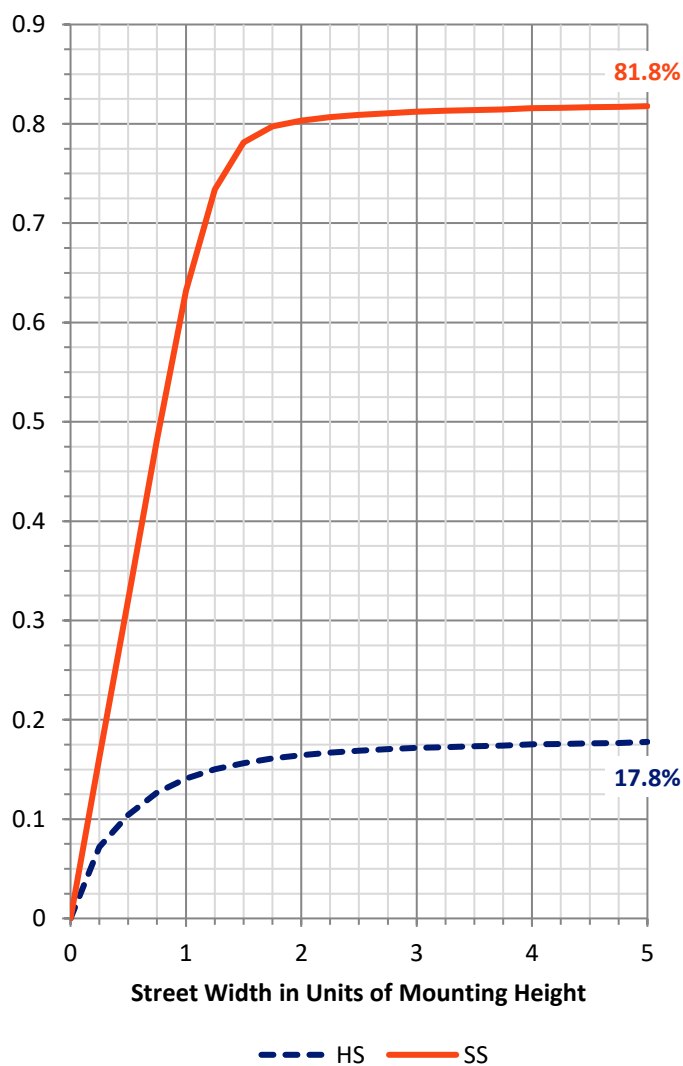
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1363.8	0.0	1363.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	6173.2	0.0	6173.2
	% Fixture	81.9	0.0	81.9
Total	Lumens	7537.0	0.0	7537.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.2	2.3
10°-20°	442.3	5.9
20°-30°	705.8	9.4
30°-40°	1117.5	14.8
40°-50°	1710.4	22.7
50°-60°	1832.0	24.3
60°-70°	1152.5	15.3
70°-80°	340.8	4.5
80°-90°	60.3	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°	7537.0	100.0
0°-180°	7537.0	100.0

Coefficient of Utilization



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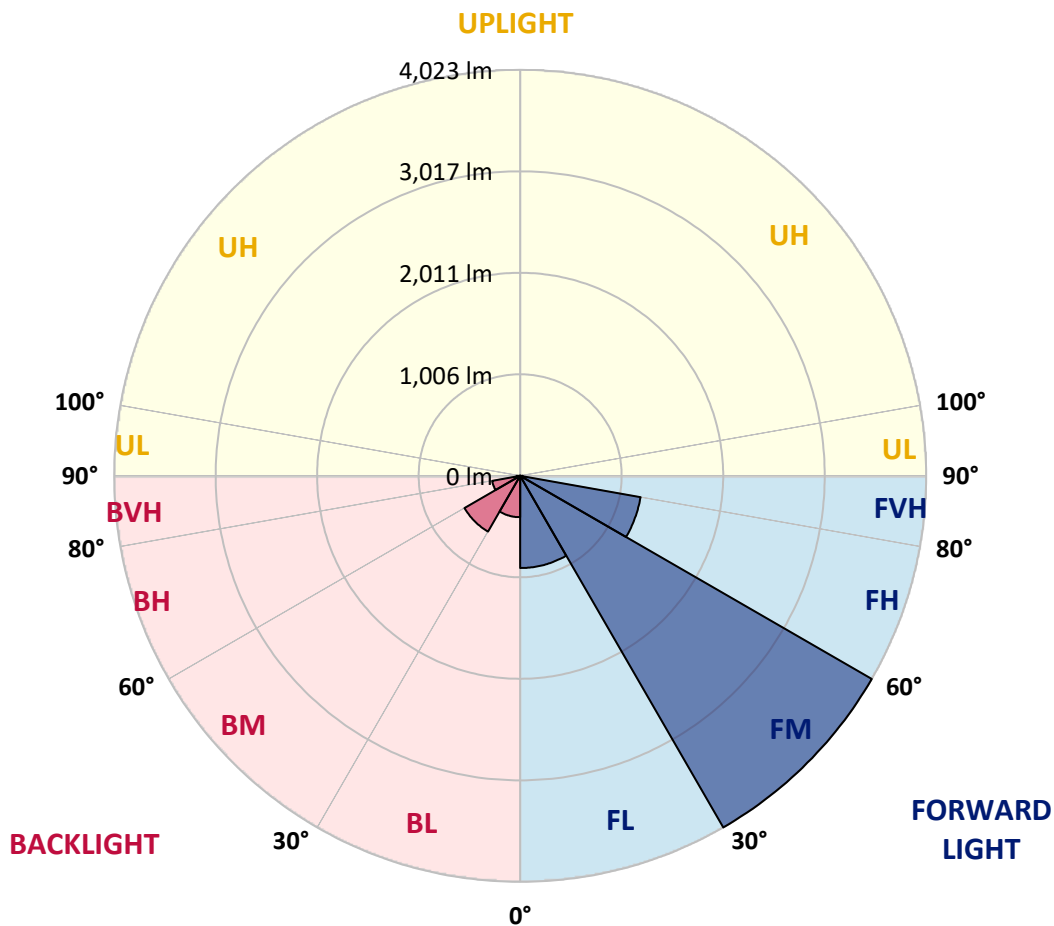
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	913.5	12.1			
FM	(30°-60°)	4022.6	53.4			
FH	(60°-80°)	1211.7	16.1			G1/1800
FVH	(80°-90°)	25.5	0.3			G1/100
BL	(0°-30°)	409.9	5.4	B1/500		
BM	(30°-60°)	637.4	8.5	B1/1000		
BH	(60°-80°)	281.7	3.7	B1/500		G1/500
BVH	(80°-90°)	34.8	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	1888.5	1888.5	1888.5	1888.5	1888.5	1888.5	1888.5	1888.5	1888.5	1888.5
2.5°	2166.7	2165.2	2173.7	2144.5	2124.6	2097.8	2062.3	2017.1	1968.4	1917.0
5°	2361.9	2348.3	2357.3	2335.4	2313.6	2273.1	2220.5	2146.9	2056.8	1954.4
7.5°	2331.1	2321.8	2344.8	2364.3	2380.6	2375.6	2337.0	2259.8	2143.7	1994.9
10°	2083.0	2072.4	2104.8	2172.2	2271.1	2357.3	2404.0	2356.1	2232.6	2039.3
12.5°	1864.0	1858.9	1880.3	1934.9	2044.8	2210.0	2395.4	2440.2	2324.9	2091.9
15°	1770.5	1764.2	1777.9	1805.5	1875.7	2029.6	2317.5	2497.9	2415.7	2152.7
17.5°	1749.8	1742.8	1748.7	1763.1	1808.3	1925.5	2199.8	2526.3	2510.4	2220.5
20°	1788.0	1782.2	1782.9	1782.2	1813.7	1906.8	2118.0	2515.4	2593.0	2282.8
22.5°	1880.3	1870.6	1871.0	1850.3	1867.5	1939.6	2096.6	2486.2	2666.6	2337.4
25°	2030.7	2013.2	2016.7	1964.1	1959.4	2012.8	2130.1	2463.6	2739.9	2381.0
27.5°	2236.5	2216.6	2206.1	2127.8	2090.4	2116.8	2198.3	2471.4	2809.2	2418.8
30°	2493.6	2469.5	2448.0	2337.0	2269.2	2259.5	2304.3	2522.8	2891.0	2458.6
32.5°	2808.8	2780.8	2741.8	2594.5	2499.1	2448.0	2441.4	2614.4	2986.9	2509.2
35°	3184.0	3147.4	3092.1	2901.6	2780.8	2676.4	2622.2	2746.5	3118.2	2585.6
37.5°	3570.6	3529.3	3478.6	3251.8	3103.4	2949.5	2842.7	2925.7	3293.1	2689.2
40°	3927.1	3880.7	3833.6	3631.7	3472.4	3286.9	3112.7	3152.5	3507.0	2813.1
42.5°	4137.5	4103.2	4085.3	3976.2	3853.0	3664.8	3448.6	3421.3	3747.4	2955.7
45°	4128.1	4114.1	4169.4	4214.6	4185.4	4081.0	3842.1	3718.6	3988.6	3079.2
47.5°	3907.6	3916.9	4040.4	4294.5	4406.3	4460.9	4290.2	4010.4	4198.2	3171.6
50°	3307.6	3315.3	3601.3	4149.1	4463.2	4770.6	4734.8	4295.3	4360.7	3228.1
52.5°	2832.6	2837.7	2960.4	3718.2	4275.4	4926.5	5135.3	4563.7	4479.6	3243.7
55°	2133.6	2151.1	2288.7	2917.1	3786.8	4802.9	5379.2	4840.4	4554.8	3245.2
57.5°	1246.4	1265.5	1435.4	1980.1	2943.3	4372.4	5416.2	5085.8	4605.8	3232.7
60°	610.5	618.7	692.8	1040.7	1814.9	3542.9	5118.5	5204.7	4634.2	3226.1
62.5°	411.4	410.3	413.4	513.5	894.2	2276.2	4498.3	4996.6	4619.0	3200.8
65°	353.8	349.5	337.8	360.4	463.3	1041.1	3475.5	4375.5	4503.3	3137.3
67.5°	305.9	306.2	306.6	299.6	330.8	480.4	2123.9	3446.7	4088.0	2836.5
70°	253.3	256.8	258.3	258.3	269.6	315.2	906.7	2362.3	3224.6	2224.0
72.5°	230.7	223.3	224.0	220.1	220.1	240.0	365.1	1339.2	2031.5	1251.1
75°	188.2	192.9	193.6	190.9	182.0	183.1	216.6	561.8	869.3	519.0
77.5°	162.5	162.5	164.0	162.1	155.1	137.1	144.6	217.8	295.7	212.7
80°	130.5	130.1	136.8	140.7	129.7	101.3	92.3	120.4	131.3	93.5
82.5°	63.5	67.4	93.9	107.1	98.6	73.3	56.5	74.8	70.1	41.3
85°	37.0	35.1	42.1	59.6	56.5	40.5	27.3	39.0	36.6	21.0
87.5°	11.7	10.9	8.6	20.3	16.4	11.3	7.4	11.3	10.1	4.7
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°
1888.5	0°	1888.5	1888.5	1888.5	1888.5	1888.5	1888.5	1888.5	1888.5	1888.5	1888.5
1894.8	2.5°	1867.1	1821.1	1775.5	1733.8	1708.5	1692.2	1675.8	1657.5	1650.5	1639.9
1899.8	5°	1848.4	1759.6	1680.5	1612.3	1550.3	1501.6	1452.5	1412.8	1394.9	1406.9
1915.8	7.5°	1837.5	1708.9	1587.0	1461.9	1341.5	1245.3	1161.5	1102.6	1076.2	1082.8
1931.4	10°	1827.7	1651.6	1465.8	1268.2	1095.2	976.0	890.3	845.5	828.7	832.2
1952.4	12.5°	1818.8	1587.3	1319.7	1059.8	875.9	797.2	772.6	773.0	776.1	778.5
1985.9	15°	1817.2	1509.8	1156.4	877.4	757.4	752.4	778.9	795.6	804.6	807.3
2014.0	17.5°	1814.9	1417.1	990.0	753.2	728.6	762.9	787.4	798.3	805.4	805.8
2041.3	20°	1805.5	1299.4	836.5	693.9	722.4	752.0	767.2	775.7	781.6	783.5
2061.9	22.5°	1776.7	1168.5	716.9	667.4	697.4	721.2	739.1	748.9	752.4	754.7
2065.8	25°	1724.9	1022.0	634.3	642.1	662.8	692.8	707.2	709.1	708.0	711.5
2056.1	27.5°	1657.1	865.0	582.9	607.8	634.3	660.0	667.8	666.7	664.3	668.2
2039.3	30°	1575.3	723.9	550.2	569.2	605.5	628.9	635.9	633.1	628.5	632.8
2030.7	32.5°	1488.8	608.6	523.3	542.4	581.7	604.7	611.7	609.0	605.5	609.0
2040.5	35°	1408.1	527.9	498.3	524.4	563.0	585.6	594.6	595.0	595.0	599.2
2066.2	37.5°	1334.1	480.8	477.7	513.1	550.2	570.4	583.3	584.1	567.3	568.5
2109.8	40°	1265.5	460.9	468.3	505.7	537.7	557.2	557.9	514.3	483.5	482.7
2159.7	42.5°	1209.4	457.0	471.1	505.0	528.7	529.5	474.6	440.7	432.1	432.5
2205.7	45°	1156.8	455.9	477.3	505.0	515.5	457.4	420.4	411.4	412.2	415.3
2226.3	47.5°	1098.0	451.2	478.5	497.9	477.3	406.8	395.9	392.0	390.4	391.2
2221.7	50°	1033.7	434.4	463.7	483.9	411.8	385.0	371.3	370.1	372.1	373.3
2195.6	52.5°	965.9	407.2	438.3	458.6	381.8	365.9	350.7	353.4	362.0	364.7
2168.3	55°	921.5	375.2	404.8	407.9	360.8	347.9	335.1	341.3	357.3	362.4
2151.9	57.5°	909.8	341.3	366.6	363.1	333.9	332.4	324.6	330.0	350.3	357.7
2151.1	60°	906.3	310.9	329.2	326.5	307.8	315.2	313.3	316.0	323.0	325.3
2143.3	62.5°	879.0	286.8	295.7	291.8	284.4	297.3	302.0	296.1	301.6	304.3
2090.0	65°	809.6	267.3	263.0	260.3	263.4	275.1	284.4	272.7	277.8	285.6
1884.2	67.5°	695.1	240.8	229.1	232.2	242.0	248.2	260.3	247.0	251.3	264.6
1517.6	70°	562.2	207.3	196.8	205.7	215.1	227.9	229.9	220.9	231.0	245.9
926.1	72.5°	397.8	173.4	166.0	184.3	187.4	204.2	199.9	195.6	209.6	214.7
457.8	75°	275.9	139.9	135.6	149.6	160.9	175.3	172.2	177.3	206.9	209.2
228.7	77.5°	174.6	108.7	106.0	114.9	130.5	146.5	151.6	209.2	353.4	367.4
118.8	80°	101.3	81.0	77.9	84.9	98.6	113.4	146.1	256.8	233.0	230.3
53.4	82.5°	56.5	55.7	51.8	53.8	65.8	81.8	206.5	180.8	146.9	151.6
21.4	85°	26.5	32.7	28.1	26.9	37.0	95.8	137.9	103.3	68.6	67.0
4.7	87.5°	7.0	6.2	6.2	7.0	15.6	82.6	54.9	44.0	26.1	25.3
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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