

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: P847398

Luminaire Tested: **GLAN-SB3C-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847398
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3C-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17583 lumens
Efficiency: N/A
Efficacy: 117.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

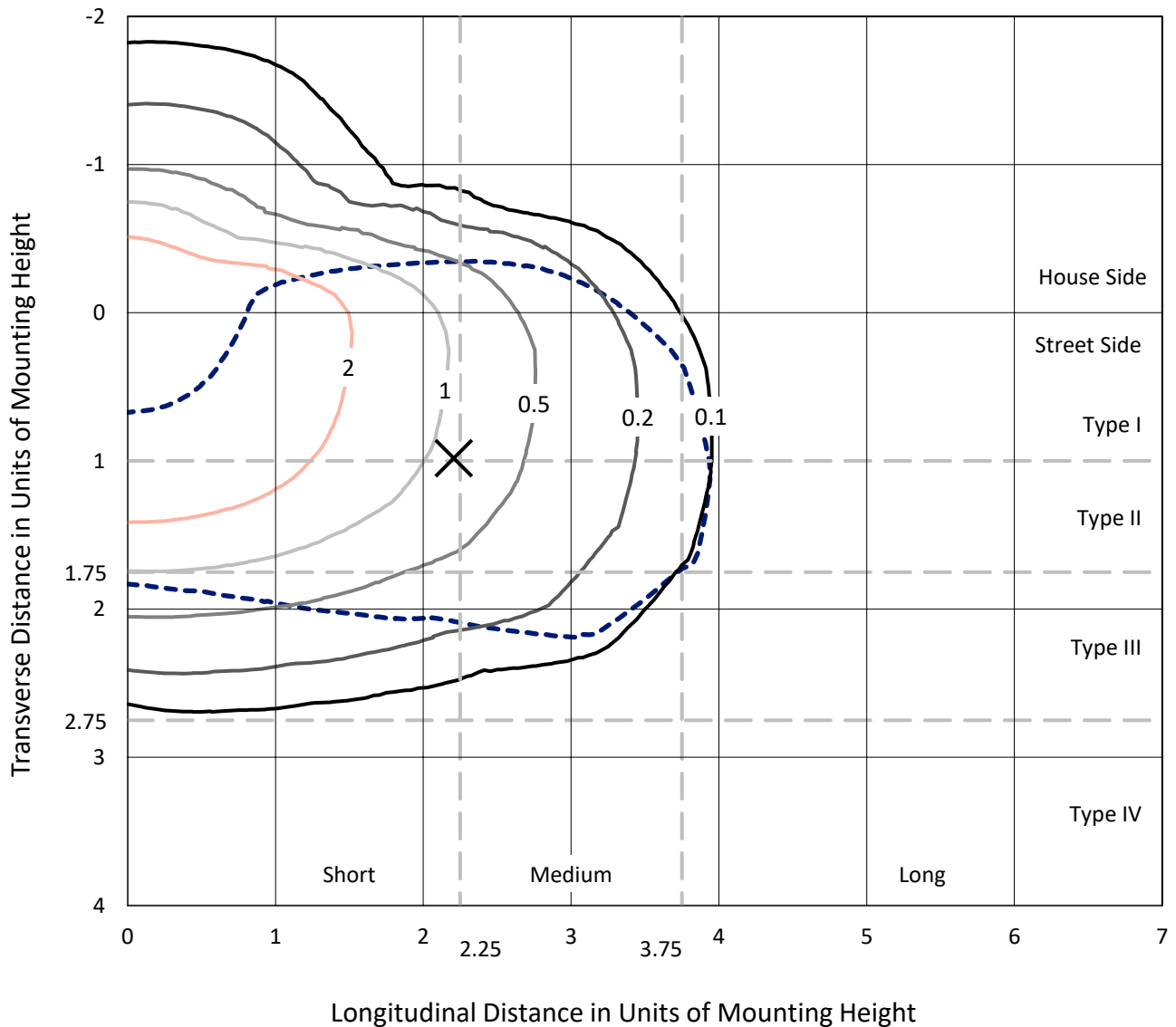
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

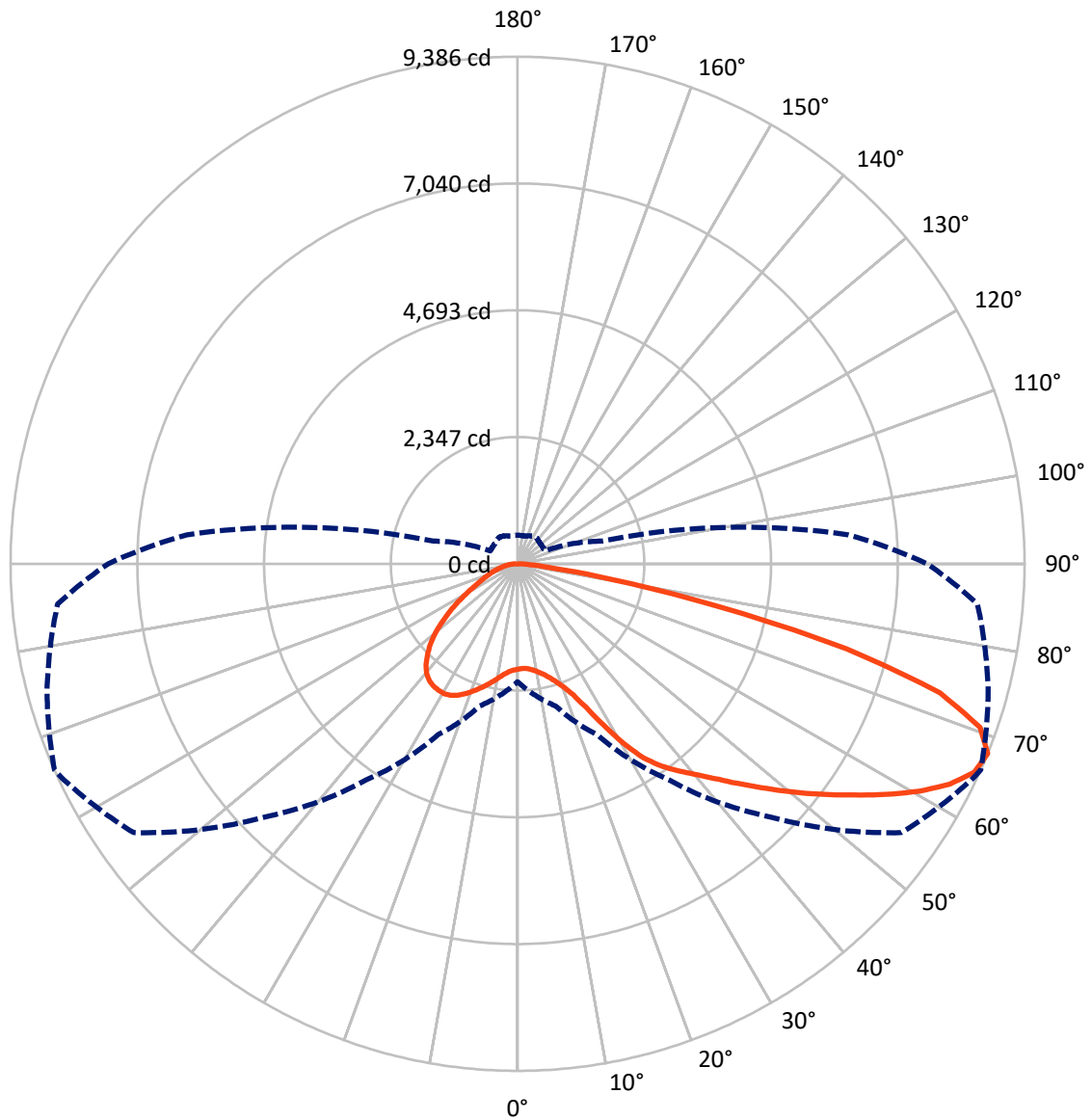
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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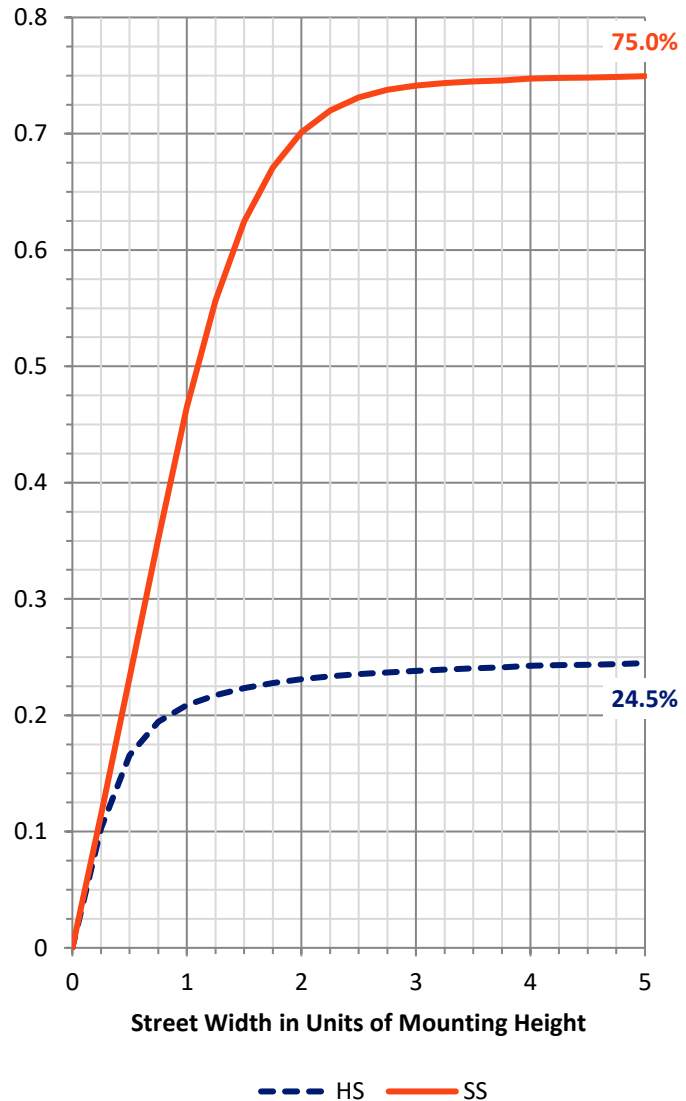
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4372.0	0.0	4372.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	13211.0	0.0	13211.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	17583.0	0.0	17583.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.4	1.1
10°-20°	638.8	3.6
20°-30°	1231.3	7.0
30°-40°	2158.9	12.3
40°-50°	3209.6	18.3
50°-60°	4068.4	23.1
60°-70°	3980.8	22.6
70°-80°	1898.9	10.8
80°-90°	202.9	1.2
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°	17583.0	100.0
0°-180°	17583.0	100.0

Coefficient of Utilization



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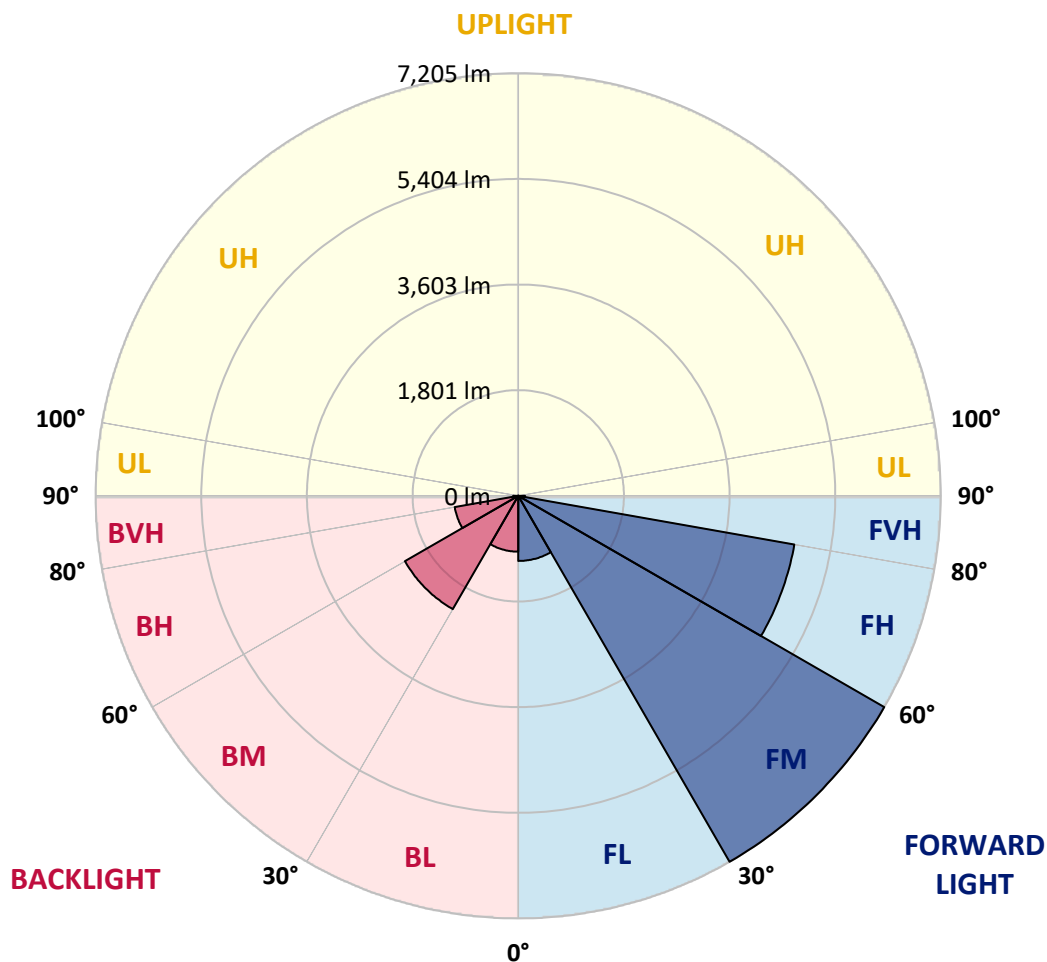
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1111.1	6.3			
FM (30°-60°)	7205.4	41.0			
FH (60°-80°)	4779.5	27.2			G2/5000
FVH (80°-90°)	115.1	0.7			G2/225
BL (0°-30°)	952.4	5.4	B2/1000		
BM (30°-60°)	2231.5	12.7	B2/2500		
BH (60°-80°)	1100.2	6.3	B3/2500		G3/2500
BVH (80°-90°)	87.9	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1950.2	1950.2	1950.2	1950.2	1950.2	1950.2	1950.2	1950.2	1950.2	1950.2
2.5°	1929.9	1940.9	1938.2	1933.6	1932.6	1934.5	1937.3	1940.0	1939.1	1943.7
5°	1924.3	1935.4	1934.5	1934.5	1938.2	1945.6	1950.2	1954.8	1950.2	1955.7
7.5°	1928.0	1936.3	1940.0	1943.7	1953.0	1966.8	1977.9	1988.1	1982.5	1989.0
10°	1975.1	1981.6	1985.3	1985.3	1991.8	2007.5	2018.5	2037.0	2032.4	2042.6
12.5°	2061.0	2067.5	2067.5	2063.8	2068.4	2078.6	2082.3	2102.6	2094.3	2110.9
15°	2166.4	2179.3	2169.1	2162.7	2164.5	2174.7	2173.8	2189.5	2181.1	2195.0
17.5°	2282.8	2299.4	2282.8	2281.8	2278.1	2289.2	2290.2	2304.0	2289.2	2299.4
20°	2420.4	2443.5	2429.7	2434.3	2426.0	2430.6	2435.2	2455.5	2432.4	2439.8
22.5°	2614.4	2642.1	2627.3	2644.9	2639.4	2635.7	2634.7	2670.8	2634.7	2637.5
25°	2897.1	2930.4	2904.5	2928.5	2928.5	2940.5	2954.4	3000.6	2940.5	2923.0
27.5°	3314.7	3347.9	3297.1	3311.9	3307.3	3336.8	3322.1	3436.6	3371.9	3343.3
30°	3817.2	3876.4	3780.3	3776.6	3772.0	3819.1	3840.3	3916.1	3850.5	3821.8
32.5°	4360.4	4422.3	4307.8	4274.5	4257.0	4285.6	4268.1	4329.0	4283.8	4239.4
35°	4935.1	4996.0	4887.0	4822.3	4752.1	4692.1	4629.3	4645.0	4602.5	4535.0
37.5°	5478.3	5590.0	5474.6	5405.3	5275.9	5158.6	4983.1	4910.1	4870.4	4808.5
40°	6031.6	6095.4	6007.6	5948.5	5808.1	5624.2	5343.4	5189.1	5135.5	5075.5
42.5°	6439.0	6500.0	6452.9	6412.2	6302.3	6088.9	5725.8	5532.8	5455.2	5387.7
45°	6762.4	6807.6	6778.1	6792.9	6745.7	6538.8	6122.2	5901.4	5821.0	5738.8
47.5°	6892.6	6940.7	6987.8	7075.5	7155.9	7003.5	6548.0	6300.5	6215.5	6131.4
50°	6877.9	6926.8	7063.5	7250.2	7499.6	7448.8	6997.0	6725.4	6646.9	6550.8
52.5°	6759.6	6815.0	6990.6	7301.0	7698.2	7782.3	7454.3	7164.2	7090.3	6975.8
55°	6449.2	6482.5	6745.7	7185.5	7745.3	8015.1	7902.4	7631.7	7557.8	7398.0
57.5°	5873.7	5921.7	6305.1	6874.2	7627.1	8173.0	8295.9	8123.2	8052.0	7822.0
60°	5122.6	5199.3	5638.1	6351.3	7325.9	8172.1	8653.4	8606.3	8547.2	8239.6
62.5°	4272.7	4361.4	4783.5	5612.2	6799.3	7940.2	8877.0	9011.0	8980.5	8624.8
65°	3281.4	3342.4	3762.7	4656.1	5979.9	7442.3	8902.9	9287.2	9292.7	8917.6
67.5°	2184.8	2360.4	2725.3	3493.9	4882.4	6628.4	8675.6	9332.4	9386.0	9018.3
70°	1066.1	1297.0	1654.6	2270.8	3493.9	5380.3	8081.6	8961.1	9080.2	8724.6
72.5°	442.5	517.3	712.3	1120.6	2005.6	3630.6	6888.0	7954.1	8174.9	7730.5
75°	298.4	323.3	407.4	574.6	913.7	1790.4	4967.4	5930.9	6286.6	5838.6
77.5°	230.0	245.7	296.5	401.9	543.2	677.2	2658.8	3574.3	3758.1	3479.1
80°	181.1	193.1	221.7	292.9	385.2	362.1	906.3	1619.5	1725.7	1447.6
82.5°	157.0	161.7	158.9	198.6	255.9	211.6	297.5	597.7	659.6	478.5
85°	113.6	126.6	132.1	122.9	135.8	107.2	121.9	211.6	232.8	207.9
87.5°	46.2	68.4	84.1	79.4	49.9	30.5	37.9	61.9	71.1	77.6
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°
1950.2	0°	1950.2	1950.2	1950.2	1950.2	1950.2	1950.2	1950.2	1950.2	1950.2	1950.2
1951.1	2.5°	1952.0	1958.5	1963.1	1968.7	1972.4	1977.9	1989.0	1995.5	1996.4	2001.0
1965.9	5°	1969.6	1978.8	1989.0	2003.8	2020.4	2034.3	2055.5	2070.3	2075.8	2080.4
2001.9	7.5°	2007.5	2020.4	2038.9	2064.7	2088.8	2107.2	2133.1	2150.7	2168.2	2174.7
2059.2	10°	2063.8	2082.3	2109.1	2144.2	2170.1	2194.1	2220.9	2235.6	2253.2	2260.6
2127.6	12.5°	2134.0	2153.4	2188.5	2237.5	2261.5	2278.1	2287.4	2283.7	2287.4	2293.8
2209.8	15°	2214.4	2235.6	2275.4	2328.0	2344.7	2329.9	2309.6	2291.1	2288.3	2290.2
2309.6	17.5°	2309.6	2325.3	2371.4	2415.8	2403.8	2342.8	2298.5	2268.9	2254.1	2249.5
2437.0	20°	2442.6	2442.6	2480.5	2508.2	2427.8	2324.3	2255.0	2207.0	2176.5	2163.6
2610.7	22.5°	2604.3	2589.5	2613.5	2594.1	2423.2	2272.6	2176.5	2093.4	2047.2	2028.7
2853.7	25°	2809.3	2791.8	2785.3	2665.2	2389.9	2190.4	2034.3	1933.6	1892.9	1882.7
3203.8	27.5°	3118.8	3074.5	2990.4	2704.0	2329.0	2061.0	1868.0	1774.7	1751.6	1752.5
3653.7	30°	3530.8	3442.2	3236.1	2710.5	2229.2	1878.1	1698.0	1631.5	1620.4	1625.0
4031.6	32.5°	3912.4	3828.3	3487.4	2680.9	2075.8	1698.9	1545.6	1501.2	1484.6	1490.1
4319.8	35°	4211.7	4188.6	3720.2	2639.4	1887.4	1530.8	1408.8	1371.0	1338.6	1331.2
4591.4	37.5°	4494.4	4485.2	3894.8	2581.2	1700.8	1411.6	1298.9	1249.0	1201.9	1176.0
4891.6	40°	4804.8	4795.6	4009.4	2491.5	1535.4	1308.1	1200.0	1134.5	1076.3	1029.1
5231.6	42.5°	5154.0	5099.5	4063.9	2363.1	1395.0	1220.4	1119.7	1031.0	954.3	910.9
5615.9	45°	5535.5	5412.7	4063.0	2199.6	1276.7	1140.0	1033.8	908.1	837.0	796.3
6010.4	47.5°	5940.2	5712.0	4013.1	2018.5	1162.2	1051.3	900.7	804.6	757.5	732.6
6439.0	50°	6357.7	5991.9	3928.1	1810.7	1044.8	950.6	817.6	752.0	716.0	692.9
6864.0	52.5°	6750.4	6246.0	3825.5	1575.1	925.7	852.7	780.6	729.8	691.9	666.1
7276.0	55°	7115.3	6464.9	3680.5	1334.0	828.7	787.1	763.1	720.6	677.2	646.7
7694.5	57.5°	7439.5	6607.2	3430.1	1107.7	759.4	741.8	744.6	704.9	655.0	629.1
8106.5	60°	7709.3	6711.6	3059.7	898.0	703.0	697.5	716.0	675.3	617.1	587.6
8454.8	62.5°	7871.0	6709.7	2605.2	735.4	655.0	656.8	678.1	638.4	579.2	551.5
8636.8	65°	7857.1	6545.3	2106.3	629.1	608.8	610.6	638.4	597.7	547.8	531.2
8545.3	67.5°	7579.0	6144.3	1615.8	559.8	558.0	566.3	598.6	570.0	528.4	526.6
8000.3	70°	6826.1	5312.0	1164.0	504.4	505.3	517.3	559.8	552.4	518.3	522.0
6726.3	72.5°	5473.6	4050.0	781.6	446.2	447.1	466.5	522.9	538.6	508.1	557.1
4772.5	75°	3645.4	2525.7	502.6	384.3	385.2	410.2	490.5	511.8	480.4	555.2
2483.2	77.5°	1751.6	1135.4	364.0	323.3	323.3	346.4	424.0	458.2	409.3	431.4
798.2	80°	605.1	426.8	286.4	260.5	255.0	270.7	357.5	397.2	352.9	325.2
260.5	82.5°	238.3	221.7	230.0	202.3	183.8	194.0	278.1	328.0	259.6	234.7
146.9	85°	136.7	144.1	162.6	134.0	106.2	119.2	204.2	235.6	195.9	172.8
48.0	87.5°	37.0	50.8	74.8	69.3	48.0	50.8	97.0	130.3	112.7	86.8
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°
1950.2
2000.1
2079.5
2175.6
2264.3
2295.7
2296.6
2256.0
2160.8
2025.9
1884.6
1755.3
1640.7
1497.5
1336.8
1176.9
1033.8
913.7
794.5
727.0
684.6
655.0
634.7
612.5
574.6
543.2
530.3
529.3
521.0
564.5
559.8
395.4
304.9
233.7
176.4
89.6
0.0

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