

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: P847753

Luminaire Tested: **GLAN-SB4A-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17215 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

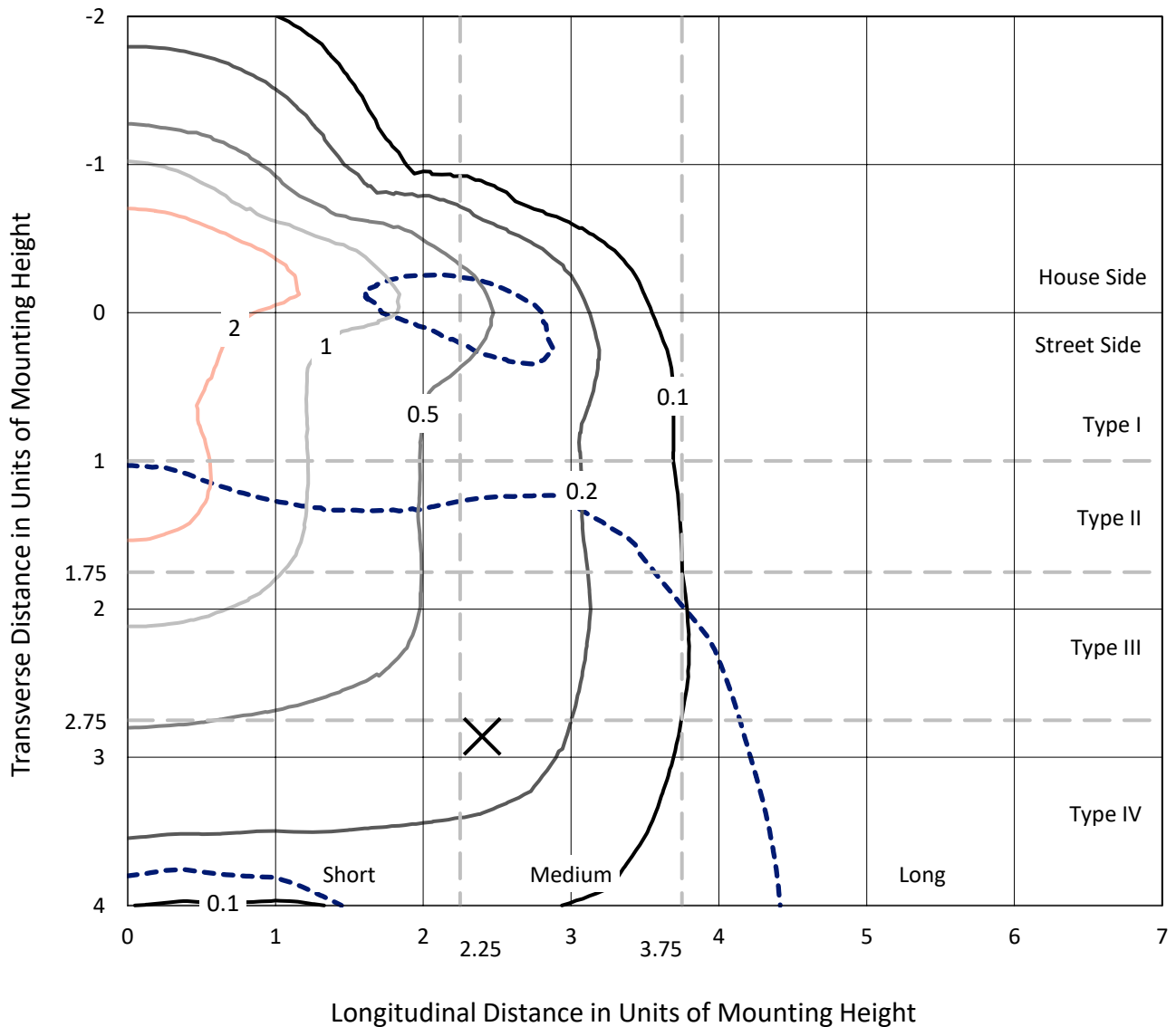
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

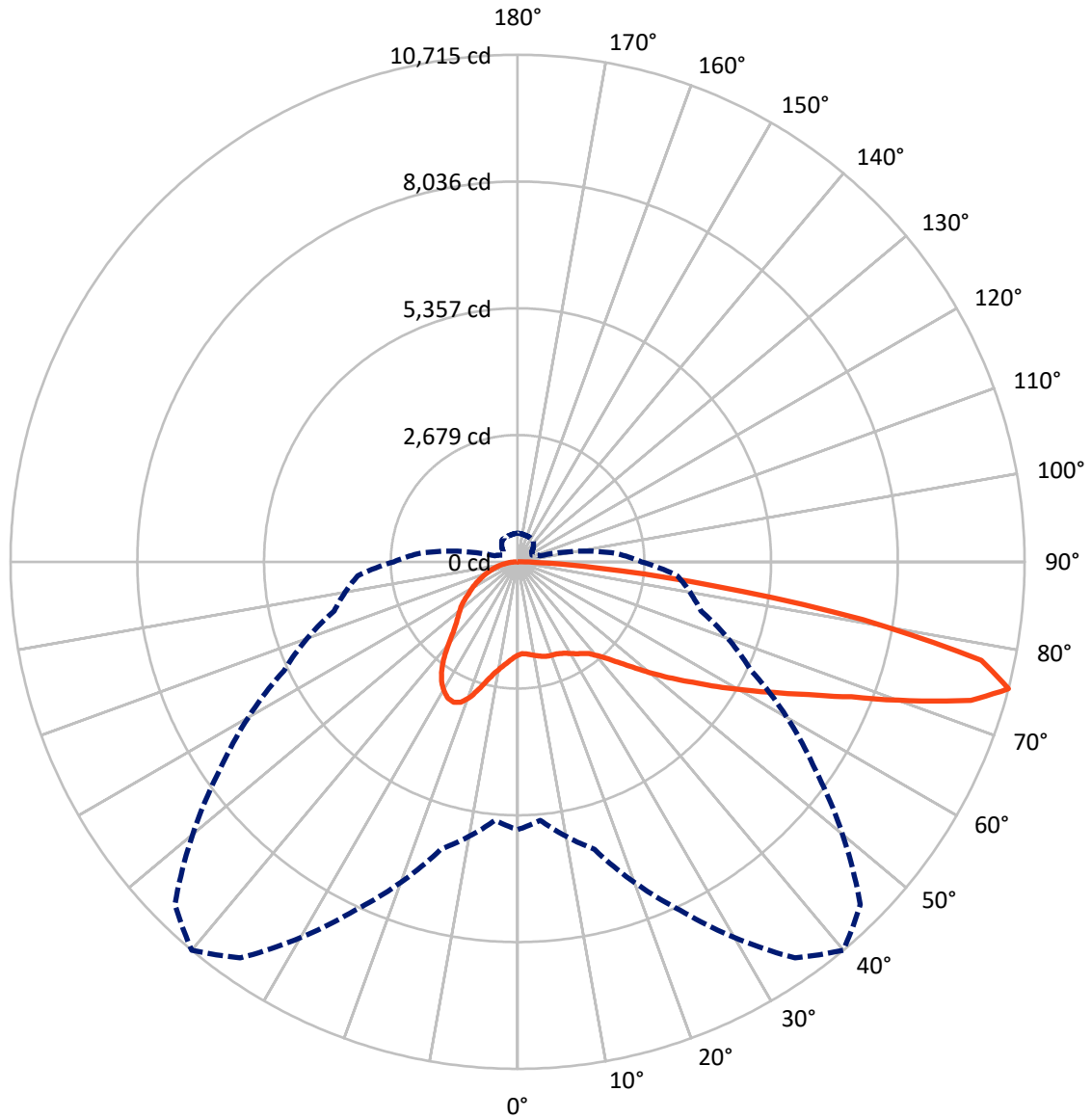
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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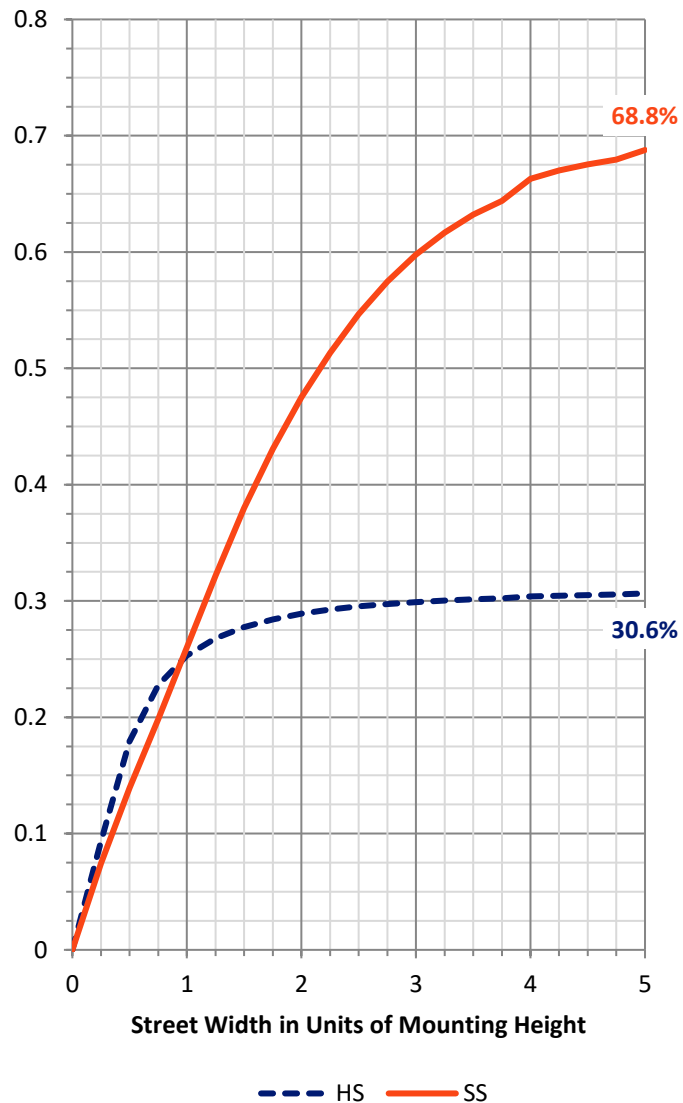
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5333.8	0.0	5333.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	11881.2	0.0	11881.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	17215.0	0.0	17215.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.5	1.1
10°-20°	659.7	3.8
20°-30°	1204.6	7.0
30°-40°	1708.5	9.9
40°-50°	2307.0	13.4
50°-60°	3103.5	18.0
60°-70°	3939.1	22.9
70°-80°	3575.0	20.8
80°-90°	521.1	3.0
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°	17215.0	100.0
0°-180°	17215.0	100.0

Coefficient of Utilization

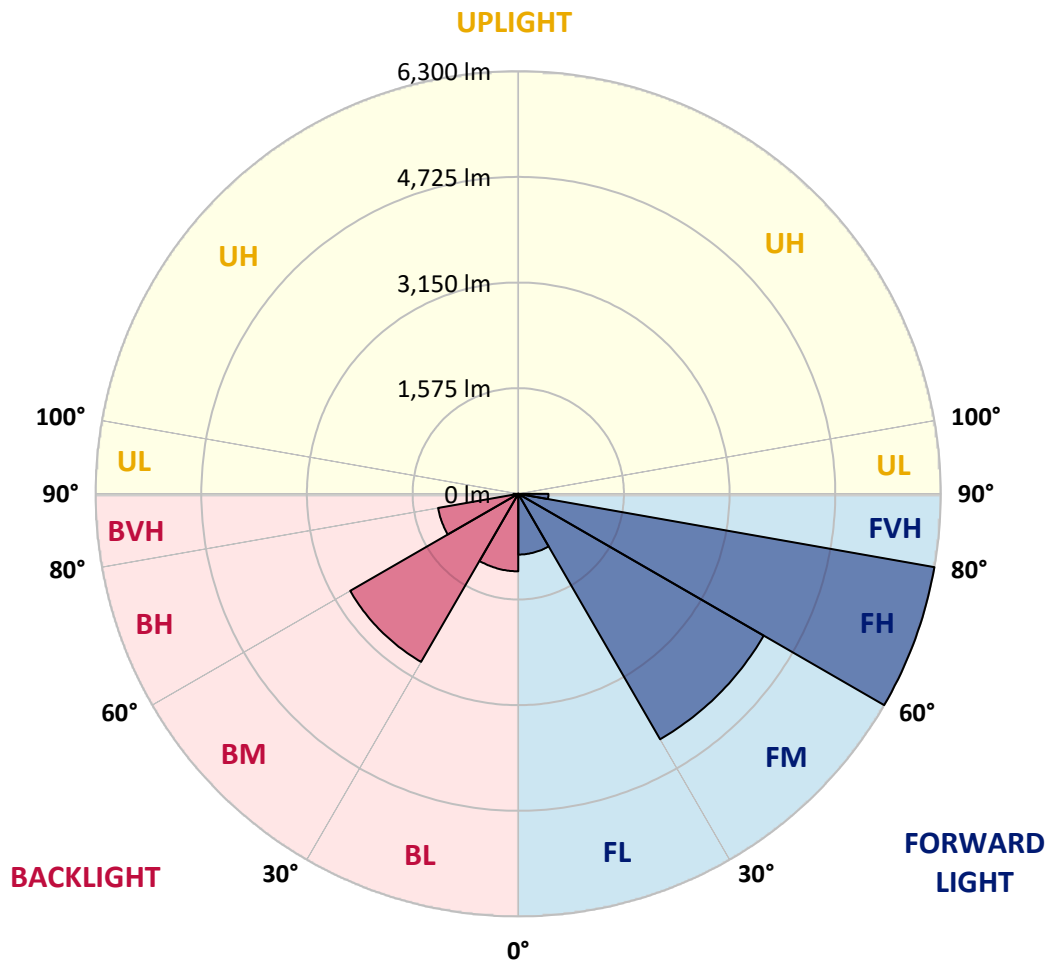


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	905.5	5.3			
FM (30°-60°)	4225.9	24.5			
FH (60°-80°)	6300.4	36.6			G3/7500
FVH (80°-90°)	449.4	2.6			G3/500
BL (0°-30°)	1155.3	6.7	B3/2500		
BM (30°-60°)	2893.1	16.8	B3/5000		
BH (60°-80°)	1213.6	7.0	B3/2500		G3/2500
BVH (80°-90°)	71.7	0.4			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1968.6	1968.6	1968.6	1968.6	1968.6	1968.6	1968.6	1968.6	1968.6	1968.6
2.5°	1938.4	1949.4	1946.6	1943.0	1943.0	1943.9	1943.0	1949.4	1955.8	1962.2
5°	1958.5	1969.5	1964.0	1959.4	1955.8	1954.9	1952.1	1951.2	1954.9	1963.1
7.5°	1997.8	2008.7	2000.5	1992.3	1985.0	1981.3	1977.7	1972.2	1969.5	1974.0
10°	2041.6	2052.6	2042.5	2027.9	2016.0	2011.5	2007.8	2002.3	1998.7	2001.4
12.5°	2085.4	2096.4	2082.7	2062.6	2047.1	2044.3	2039.8	2038.0	2037.0	2036.1
15°	2126.5	2135.6	2118.3	2094.6	2078.1	2073.6	2069.0	2071.7	2076.3	2081.8
17.5°	2158.5	2167.6	2142.0	2111.0	2095.5	2093.6	2090.9	2100.0	2112.8	2126.5
20°	2187.7	2196.8	2164.0	2122.0	2103.7	2103.7	2104.6	2123.8	2142.0	2162.1
22.5°	2228.8	2236.1	2195.9	2138.4	2111.9	2113.7	2121.0	2140.2	2163.0	2190.4
25°	2290.0	2295.4	2246.1	2169.4	2139.3	2144.8	2151.2	2160.3	2182.2	2214.2
27.5°	2388.6	2393.1	2328.3	2224.2	2178.6	2187.7	2196.8	2190.4	2200.5	2227.9
30°	2527.4	2530.1	2447.9	2310.0	2245.2	2249.8	2251.6	2225.1	2206.0	2227.9
32.5°	2691.7	2690.8	2593.1	2414.1	2321.0	2316.4	2300.9	2248.9	2204.1	2223.3
35°	2946.4	2936.4	2810.4	2560.2	2406.8	2378.5	2342.0	2275.3	2213.3	2218.7
37.5°	3368.3	3337.2	3162.8	2799.4	2534.7	2462.5	2408.7	2318.3	2233.3	2216.9
40°	3844.0	3804.7	3613.0	3127.2	2726.4	2610.4	2523.7	2379.4	2266.2	2225.1
42.5°	4408.3	4352.6	4146.2	3513.5	2969.3	2801.3	2670.7	2457.0	2314.6	2251.6
45°	5101.3	5027.3	4735.1	3949.0	3275.1	3051.4	2877.1	2574.8	2388.6	2302.7
47.5°	5801.6	5819.8	5404.4	4447.5	3642.2	3360.1	3135.4	2752.0	2496.3	2384.9
50°	6545.7	6558.5	6070.0	4999.9	4058.6	3708.9	3425.8	2950.1	2646.0	2501.8
52.5°	7126.4	7128.3	6674.5	5577.9	4492.3	4092.3	3739.0	3176.5	2819.5	2657.0
55°	7489.8	7485.3	7098.1	6124.8	4990.8	4495.0	4085.9	3434.0	3031.4	2839.6
57.5°	7753.7	7740.0	7390.3	6595.0	5522.2	4970.7	4478.6	3726.2	3281.5	3056.9
60°	7854.1	7845.9	7588.4	7001.3	6081.0	5496.6	4931.4	4053.1	3565.5	3313.5
62.5°	7892.5	7908.0	7782.9	7394.9	6679.0	6079.2	5429.1	4443.9	3885.1	3603.8
65°	8027.6	8055.9	8030.4	7909.8	7354.7	6761.2	6089.2	4908.6	4233.9	3915.2
67.5°	8295.2	8323.5	8334.4	8526.2	8180.1	7611.3	6912.8	5487.5	4642.0	4238.4
70°	8288.8	8280.5	8474.1	9016.5	9213.7	8788.2	8023.1	6199.7	5128.7	4506.9
72.5°	7544.6	7478.9	7936.3	9011.0	10073.8	10017.2	9379.0	7118.2	5548.7	4539.7
75°	5660.1	5484.8	6292.8	8120.8	10217.1	10714.8	10240.9	7688.0	5449.1	4011.1
77.5°	2420.5	2244.3	3196.6	6011.6	9144.3	10016.3	9450.2	6707.3	4349.8	2652.4
80°	633.7	632.8	966.0	2725.5	6218.9	7396.7	6489.1	4331.6	2485.4	947.8
82.5°	262.0	255.7	355.2	1060.1	3038.7	4150.8	3387.5	1932.0	897.5	256.6
85°	97.7	96.8	172.6	366.1	1071.9	1712.0	1239.0	494.0	223.7	125.1
87.5°	27.4	26.5	37.4	126.9	261.1	396.3	211.8	81.3	63.0	49.3
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°
1968.6	0°	1968.6	1968.6	1968.6	1968.6	1968.6	1968.6	1968.6	1968.6	1968.6	1968.6
1972.2	2.5°	1974.9	1979.5	1987.7	1994.1	2002.3	2011.5	2024.3	2032.5	2040.7	2046.2
1976.8	5°	1983.2	1993.2	2014.2	2035.2	2059.9	2082.7	2109.2	2128.3	2143.9	2148.4
1993.2	7.5°	2001.4	2017.9	2053.5	2089.1	2128.3	2165.8	2204.1	2237.0	2263.5	2273.5
2022.4	10°	2033.4	2055.3	2105.5	2155.7	2207.8	2265.3	2314.6	2362.1	2399.5	2415.0
2057.1	12.5°	2073.6	2101.0	2166.7	2236.1	2308.2	2387.7	2451.6	2510.0	2556.6	2577.6
2105.5	15°	2125.6	2161.2	2245.2	2338.3	2444.3	2554.7	2636.0	2700.8	2752.9	2778.4
2155.7	17.5°	2182.2	2229.7	2335.6	2476.2	2627.8	2773.0	2867.9	2915.4	2969.3	2993.9
2202.3	20°	2237.0	2295.4	2447.0	2651.5	2853.3	3007.6	3084.3	3097.1	3100.8	3103.5
2246.1	22.5°	2293.6	2372.1	2586.7	2872.5	3088.9	3195.7	3206.7	3151.9	3075.2	3039.6
2289.0	25°	2355.7	2459.8	2769.3	3116.3	3291.6	3304.4	3220.4	3087.1	2941.9	2875.2
2323.7	27.5°	2416.0	2561.1	2988.4	3349.1	3437.7	3325.4	3144.6	2955.6	2780.3	2710.0
2348.4	30°	2476.2	2677.1	3230.4	3552.7	3504.3	3273.3	3025.0	2814.1	2637.8	2563.9
2370.3	32.5°	2537.4	2812.2	3508.9	3699.7	3492.5	3162.8	2876.1	2655.2	2500.0	2422.3
2389.5	35°	2606.8	2978.4	3772.8	3780.1	3413.0	3000.3	2679.8	2465.3	2330.1	2268.0
2412.3	37.5°	2697.2	3189.3	4005.6	3800.2	3274.2	2762.0	2436.0	2240.7	2129.3	2101.0
2446.1	40°	2809.5	3443.2	4183.6	3768.2	3068.8	2472.6	2169.4	2013.3	1950.3	1956.7
2491.7	42.5°	2955.6	3727.1	4308.7	3686.0	2783.0	2174.0	1935.7	1866.3	1896.4	1922.0
2560.2	45°	3145.5	4022.0	4386.3	3546.3	2459.8	1921.1	1797.8	1814.3	1837.1	1839.8
2670.7	47.5°	3388.4	4320.6	4437.5	3335.4	2130.2	1743.0	1710.2	1713.8	1709.2	1690.1
2836.0	50°	3691.5	4611.0	4483.1	3056.0	1849.9	1631.6	1587.8	1575.0	1512.0	1449.9
3056.0	52.5°	4036.6	4877.6	4502.3	2709.1	1631.6	1538.5	1467.3	1386.9	1269.2	1250.0
3332.7	55°	4420.1	5124.1	4453.0	2282.7	1448.1	1418.9	1311.2	1214.4	1201.6	1185.2
3697.0	57.5°	4878.5	5389.8	4352.6	1806.9	1260.0	1279.2	1174.2	1185.2	1162.3	1136.8
4165.4	60°	5379.8	5664.6	4176.3	1373.2	1065.5	1104.8	1138.6	1137.7	1131.3	1110.3
4659.3	62.5°	5830.8	5845.4	3829.4	1051.8	894.8	969.7	1061.9	1061.0	1055.5	1043.6
5175.2	65°	6099.2	5818.0	3250.5	828.1	754.2	858.3	957.8	965.1	966.0	965.1
5563.3	67.5°	6051.8	5497.5	2456.1	659.2	638.2	745.1	854.6	864.7	872.0	873.8
5612.6	70°	5514.9	4793.6	1601.5	525.9	535.1	645.5	756.9	767.0	773.4	780.7
4870.3	72.5°	4298.7	3524.4	916.7	425.5	444.7	559.7	660.1	672.0	675.7	689.4
3389.3	75°	2619.6	2072.6	494.9	335.1	365.2	478.4	564.3	578.0	584.4	600.8
1664.5	77.5°	1245.4	897.5	282.1	261.1	294.0	390.8	476.6	492.1	474.8	483.9
459.3	80°	420.9	333.3	178.0	199.0	224.6	305.0	381.7	397.2	360.7	358.8
152.5	82.5°	147.0	135.1	113.2	132.4	145.2	218.2	288.5	308.6	268.4	267.5
68.5	85°	57.5	54.8	63.0	72.1	86.7	134.2	189.9	200.0	165.3	133.3
20.1	87.5°	11.9	12.8	15.5	16.4	26.5	46.6	68.5	84.0	66.7	56.6
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°
1968.6
2042.5
2150.3
2274.4
2416.0
2577.6
2776.6
2993.0
3110.8
3049.6
2885.3
2718.2
2572.1
2432.4
2281.7
2121.0
1978.6
1945.7
1858.1
1704.7
1458.2
1256.4
1187.9
1132.2
1103.0
1039.1
965.1
875.6
784.3
694.8
602.6
476.6
355.2
254.7
131.5
52.0
0.0

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