

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: P846883

Luminaire Tested: **GLAN-SB2D-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846883  
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-SB2D-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15774 lumens  
Efficiency: N/A  
Efficacy: 106.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G3

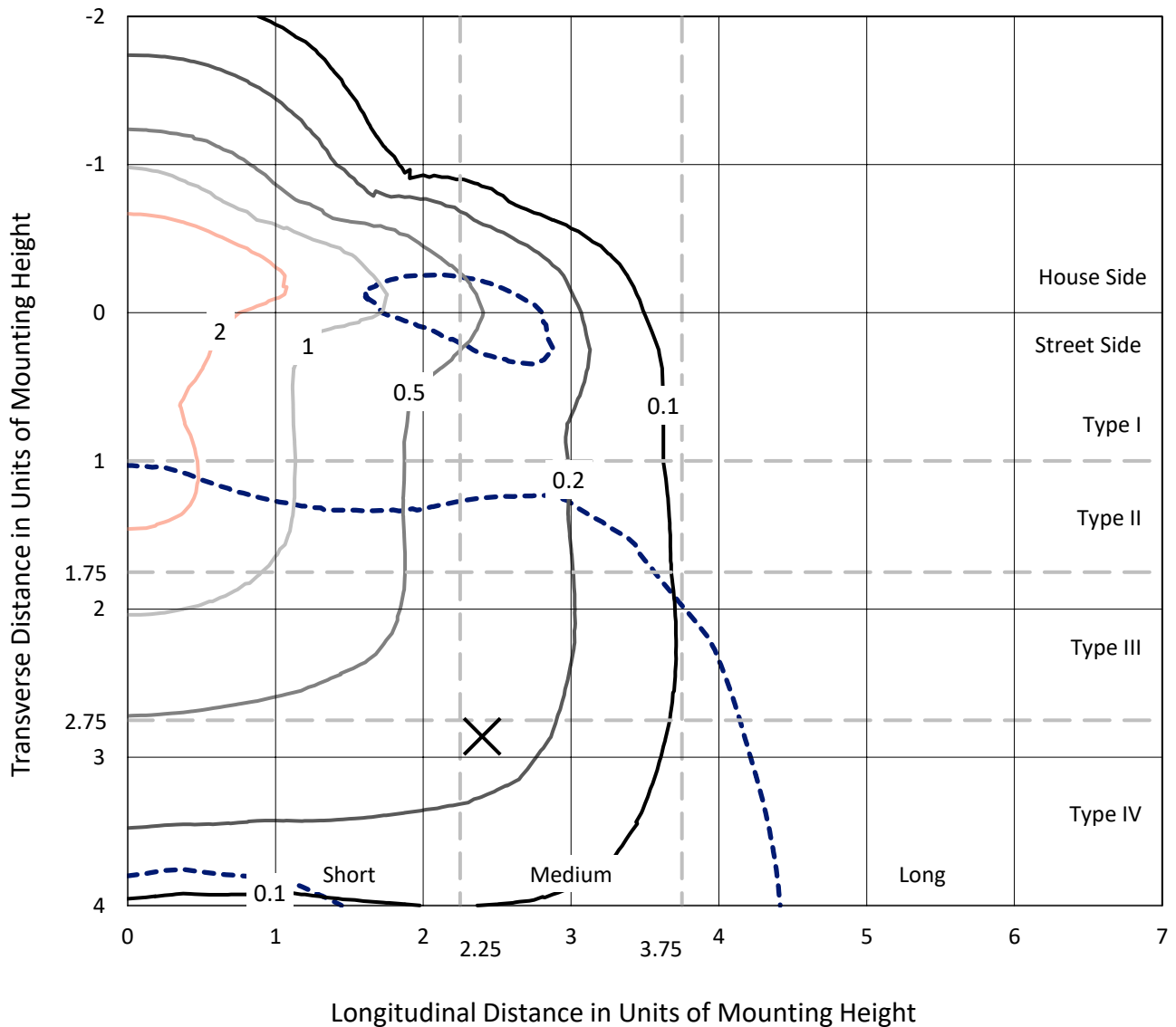
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

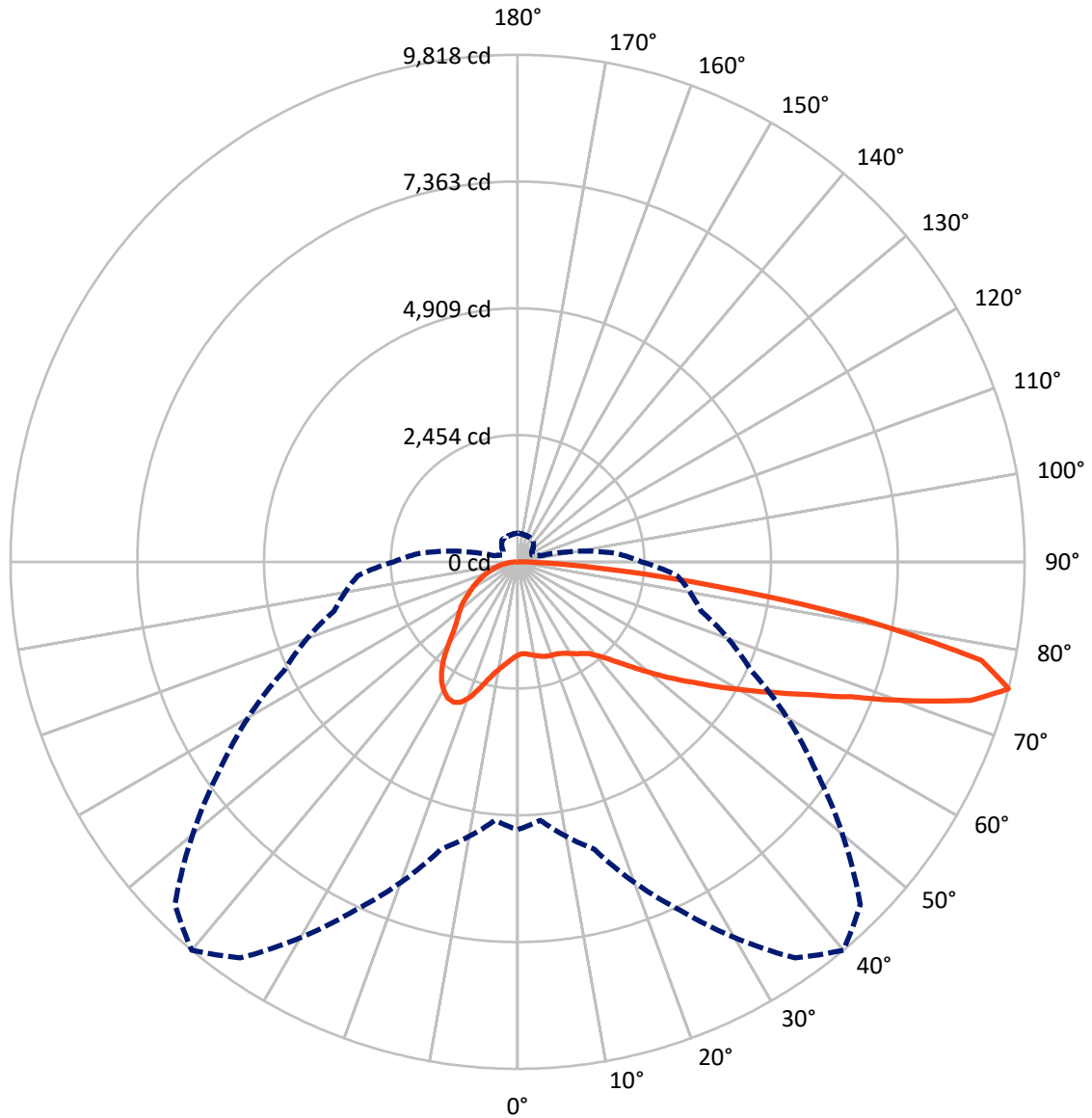
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type 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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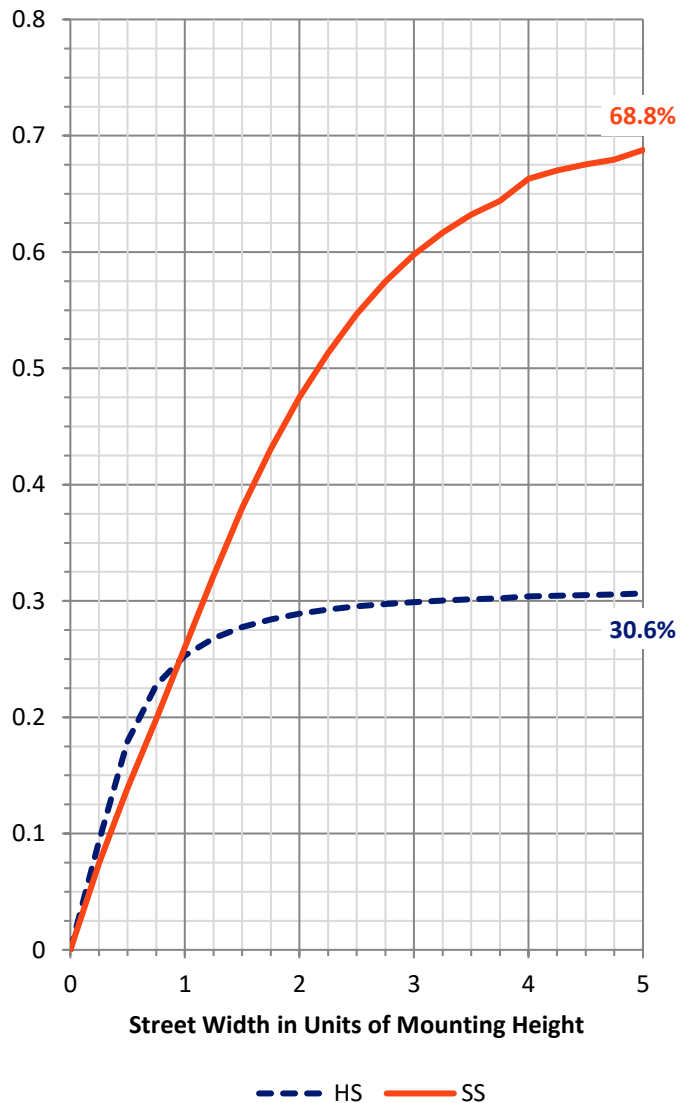
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4887.3	0.0	4887.3
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	10886.7	0.0	10886.7
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	15774.0	0.0	15774.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	180.1	1.1
10°-20°	604.5	3.8
20°-30°	1103.8	7.0
30°-40°	1565.5	9.9
40°-50°	2113.9	13.4
50°-60°	2843.7	18.0
60°-70°	3609.3	22.9
70°-80°	3275.7	20.8
80°-90°	477.5	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°	15774.0	100.0
0°-180°	15774.0	100.0

**Coefficient of Utilization**

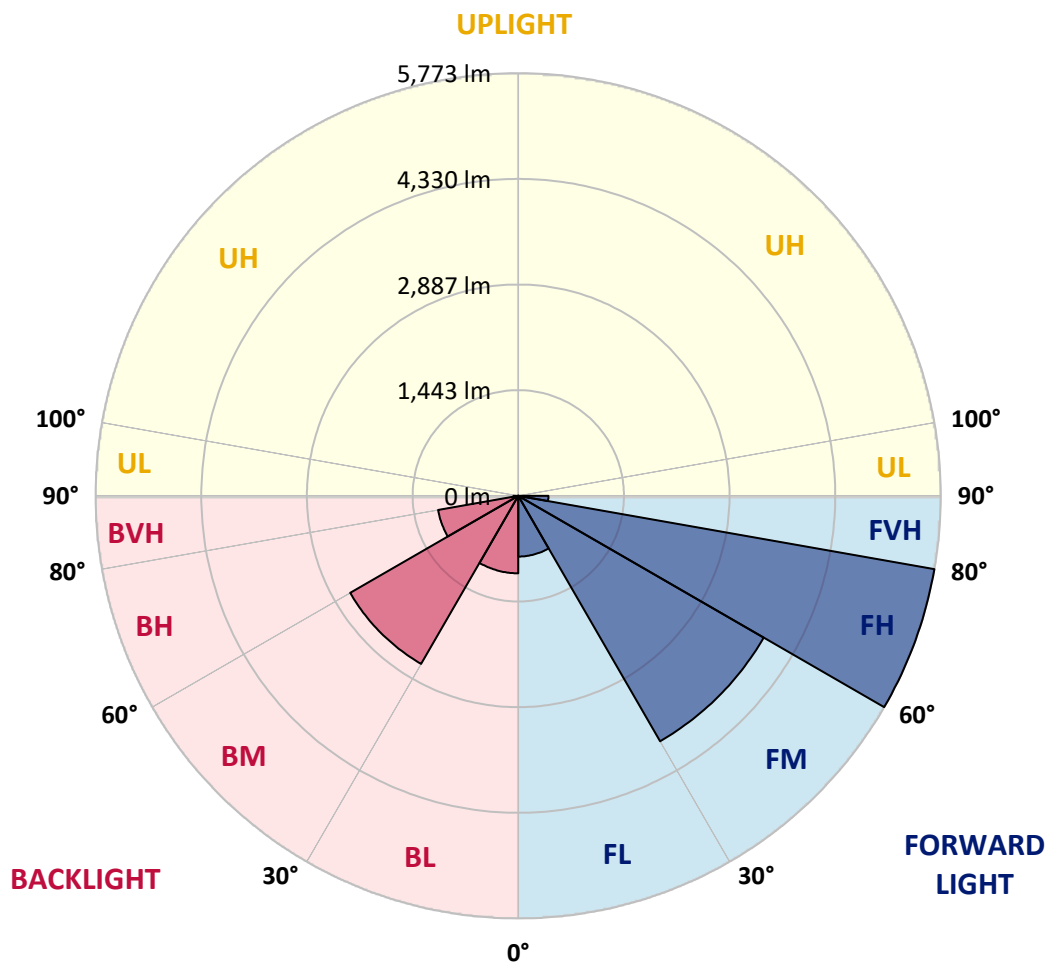


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	829.7	5.3			
FM (30°-60°)	3872.2	24.5			
FH (60°-80°)	5773.0	36.6			G3/7500
FVH (80°-90°)	411.8	2.6			G3/500
BL (0°-30°)	1058.6	6.7	B3/2500		
BM (30°-60°)	2650.9	16.8	B3/5000		
BH (60°-80°)	1112.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	65.7	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°	1803.8	1803.8	1803.8	1803.8	1803.8	1803.8	1803.8	1803.8	1803.8	1803.8
2.5°	1776.2	1786.2	1783.7	1780.4	1780.4	1781.2	1780.4	1786.2	1792.1	1797.9
5°	1794.6	1804.6	1799.6	1795.4	1792.1	1791.2	1788.7	1787.9	1791.2	1798.8
7.5°	1830.6	1840.6	1833.1	1825.5	1818.8	1815.5	1812.1	1807.1	1804.6	1808.8
10°	1870.7	1880.7	1871.5	1858.2	1847.3	1843.1	1839.8	1834.7	1831.4	1833.9
12.5°	1910.9	1920.9	1908.4	1890.0	1875.7	1873.2	1869.0	1867.4	1866.5	1865.7
15°	1948.5	1956.9	1941.0	1919.2	1904.2	1900.0	1895.8	1898.3	1902.5	1907.5
17.5°	1977.8	1986.2	1962.7	1934.3	1920.1	1918.4	1915.9	1924.3	1936.0	1948.5
20°	2004.6	2012.9	1982.8	1944.3	1927.6	1927.6	1928.4	1946.0	1962.7	1981.1
22.5°	2042.2	2048.9	2012.1	1959.4	1935.1	1936.8	1943.5	1961.1	1982.0	2007.1
25°	2098.3	2103.3	2058.1	1987.8	1960.2	1965.2	1971.1	1979.5	1999.5	2028.8
27.5°	2188.6	2192.8	2133.4	2038.0	1996.2	2004.6	2012.9	2007.1	2016.3	2041.4
30°	2315.8	2318.3	2243.0	2116.7	2057.3	2061.5	2063.1	2038.9	2021.3	2041.4
32.5°	2466.4	2465.6	2376.0	2212.1	2126.7	2122.5	2108.3	2060.6	2019.6	2037.2
35°	2699.8	2690.6	2575.2	2345.9	2205.4	2179.4	2146.0	2084.9	2028.0	2033.0
37.5°	3086.3	3057.9	2898.1	2565.1	2322.5	2256.4	2207.0	2124.2	2046.4	2031.3
40°	3522.2	3486.2	3310.6	2865.5	2498.2	2391.9	2312.4	2180.3	2076.5	2038.9
42.5°	4039.3	3988.2	3799.1	3219.4	2720.7	2566.8	2447.1	2251.4	2120.9	2063.1
45°	4674.3	4606.5	4338.8	3618.4	3001.0	2796.0	2636.2	2359.3	2188.6	2110.0
47.5°	5316.0	5332.7	4952.0	4075.2	3337.3	3078.8	2873.0	2521.6	2287.4	2185.3
50°	5997.8	6009.5	5561.9	4581.4	3718.8	3398.4	3139.0	2703.2	2424.6	2292.4
52.5°	6529.9	6531.6	6115.8	5111.0	4116.2	3749.8	3426.0	2910.6	2583.5	2434.6
55°	6862.9	6858.7	6504.0	5612.1	4573.0	4118.7	3743.9	3146.6	2777.6	2601.9
57.5°	7104.7	7092.1	6771.7	6043.0	5059.9	4554.6	4103.7	3414.3	3006.9	2801.0
60°	7196.7	7189.2	6953.2	6415.3	5572.0	5036.5	4518.6	3713.8	3267.0	3036.1
62.5°	7231.8	7246.1	7131.4	6775.9	6120.0	5570.3	4974.6	4071.9	3559.9	3302.2
65°	7355.7	7381.6	7358.2	7247.7	6739.1	6195.3	5579.5	4497.7	3879.5	3587.5
67.5°	7600.8	7626.7	7636.8	7812.5	7495.4	6974.2	6334.1	5028.2	4253.4	3883.6
70°	7594.9	7587.4	7764.8	8261.7	8442.5	8052.6	7351.5	5680.7	4699.4	4129.6
72.5°	6913.1	6852.9	7272.0	8256.7	9230.6	9178.7	8593.9	6522.4	5084.2	4159.7
75°	5186.3	5025.6	5766.1	7441.0	9361.9	9817.9	9383.7	7044.4	4993.0	3675.3
77.5°	2217.9	2056.4	2929.0	5508.4	8378.9	9177.8	8659.1	6145.9	3985.7	2430.4
80°	580.6	579.8	885.2	2497.3	5698.3	6777.6	5945.9	3969.0	2277.3	868.4
82.5°	240.1	234.3	325.4	971.3	2784.3	3803.3	3103.9	1770.3	822.4	235.1
85°	89.5	88.7	158.1	335.5	982.2	1568.7	1135.3	452.6	205.0	114.6
87.5°	25.1	24.3	34.3	116.3	239.3	363.1	194.1	74.5	57.7	45.2
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°
1803.8	0°	1803.8	1803.8	1803.8	1803.8	1803.8	1803.8	1803.8	1803.8	1803.8	1803.8
1807.1	2.5°	1809.6	1813.8	1821.3	1827.2	1834.7	1843.1	1854.8	1862.3	1869.9	1874.9
1811.3	5°	1817.2	1826.4	1845.6	1864.9	1887.4	1908.4	1932.6	1950.2	1964.4	1968.6
1826.4	7.5°	1833.9	1849.0	1881.6	1914.2	1950.2	1984.5	2019.6	2049.7	2074.0	2083.2
1853.1	10°	1863.2	1883.3	1929.3	1975.3	2023.0	2075.7	2120.9	2164.4	2198.7	2212.9
1884.9	12.5°	1900.0	1925.1	1985.3	2048.9	2115.0	2187.8	2246.4	2299.9	2342.6	2361.8
1929.3	15°	1947.7	1980.3	2057.3	2142.6	2239.7	2340.9	2415.4	2474.8	2522.4	2545.9
1975.3	17.5°	1999.5	2043.1	2140.1	2268.9	2407.8	2540.9	2627.9	2671.4	2720.7	2743.3
2018.0	20°	2049.7	2103.3	2242.2	2429.6	2614.5	2755.9	2826.1	2837.9	2841.2	2843.7
2058.1	22.5°	2101.6	2173.6	2370.2	2632.0	2830.3	2928.2	2938.3	2888.1	2817.8	2785.1
2097.4	25°	2158.5	2253.9	2537.5	2855.4	3016.1	3027.8	2950.8	2828.7	2695.6	2634.6
2129.2	27.5°	2213.7	2346.8	2738.3	3068.8	3149.9	3047.0	2881.4	2708.2	2547.5	2483.1
2151.8	30°	2268.9	2453.0	2960.0	3255.3	3211.0	2999.3	2771.8	2578.5	2417.0	2349.3
2171.9	32.5°	2325.0	2576.8	3215.2	3390.0	3200.1	2898.1	2635.4	2432.9	2290.7	2219.6
2189.5	35°	2388.6	2729.1	3457.0	3463.7	3127.3	2749.2	2455.5	2258.9	2135.1	2078.2
2210.4	37.5°	2471.4	2922.4	3670.3	3482.1	3000.2	2530.8	2232.1	2053.1	1951.0	1925.1
2241.3	40°	2574.3	3154.9	3833.4	3452.8	2811.9	2265.6	1987.8	1844.8	1787.0	1792.9
2283.2	42.5°	2708.2	3415.1	3948.1	3377.5	2550.1	1992.0	1773.7	1710.1	1737.7	1761.1
2345.9	45°	2882.2	3685.4	4019.2	3249.5	2253.9	1760.3	1647.3	1662.4	1683.3	1685.8
2447.1	47.5°	3104.7	3958.9	4066.0	3056.2	1951.9	1597.1	1567.0	1570.4	1566.2	1548.6
2598.6	50°	3382.5	4225.0	4107.9	2800.2	1695.0	1495.1	1454.9	1443.2	1385.5	1328.6
2800.2	52.5°	3698.7	4469.3	4125.4	2482.3	1495.1	1409.7	1344.5	1270.8	1162.9	1145.3
3053.7	55°	4050.1	4695.2	4080.3	2091.6	1326.9	1300.1	1201.4	1112.7	1101.0	1085.9
3387.5	57.5°	4470.1	4938.6	3988.2	1655.7	1154.6	1172.1	1075.9	1085.9	1065.0	1041.6
3816.7	60°	4929.4	5190.5	3826.8	1258.3	976.3	1012.3	1043.3	1042.4	1036.6	1017.3
4269.3	62.5°	5342.7	5356.1	3508.8	963.8	819.9	888.5	973.0	972.2	967.1	956.3
4742.0	65°	5588.7	5331.0	2978.4	758.8	691.1	786.4	877.6	884.3	885.2	884.3
5097.6	67.5°	5545.2	5037.4	2250.5	604.0	584.8	682.7	783.1	792.3	799.0	800.7
5142.8	70°	5053.3	4392.3	1467.5	481.9	490.3	591.5	693.6	702.8	708.6	715.3
4462.6	72.5°	3938.9	3229.4	840.0	389.9	407.4	512.9	604.9	615.8	619.1	631.7
3105.6	75°	2400.3	1899.2	453.5	307.0	334.7	438.4	517.0	529.6	535.4	550.5
1525.2	77.5°	1141.2	822.4	258.5	239.3	269.4	358.1	436.7	450.9	435.0	443.4
420.8	80°	385.7	305.4	163.1	182.4	205.8	279.4	349.7	363.9	330.5	328.8
139.7	82.5°	134.7	123.8	103.7	121.3	133.0	200.0	264.4	282.8	246.0	245.1
62.7	85°	52.7	50.2	57.7	66.1	79.5	123.0	174.0	183.2	151.4	122.1
18.4	87.5°	10.9	11.7	14.2	15.1	24.3	42.7	62.7	77.0	61.1	51.9
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°
1803.8
1871.5
1970.3
2084.0
2213.7
2361.8
2544.2
2742.5
2850.4
2794.3
2643.8
2490.7
2356.8
2228.8
2090.7
1943.5
1813.0
1782.9
1702.5
1562.0
1336.1
1151.2
1088.5
1037.4
1010.7
952.1
884.3
802.3
718.7
636.7
552.2
436.7
325.4
233.4
120.5
47.7
0.0

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