

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: P852287

Luminaire Tested: **GLAN-SB2D-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15728 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

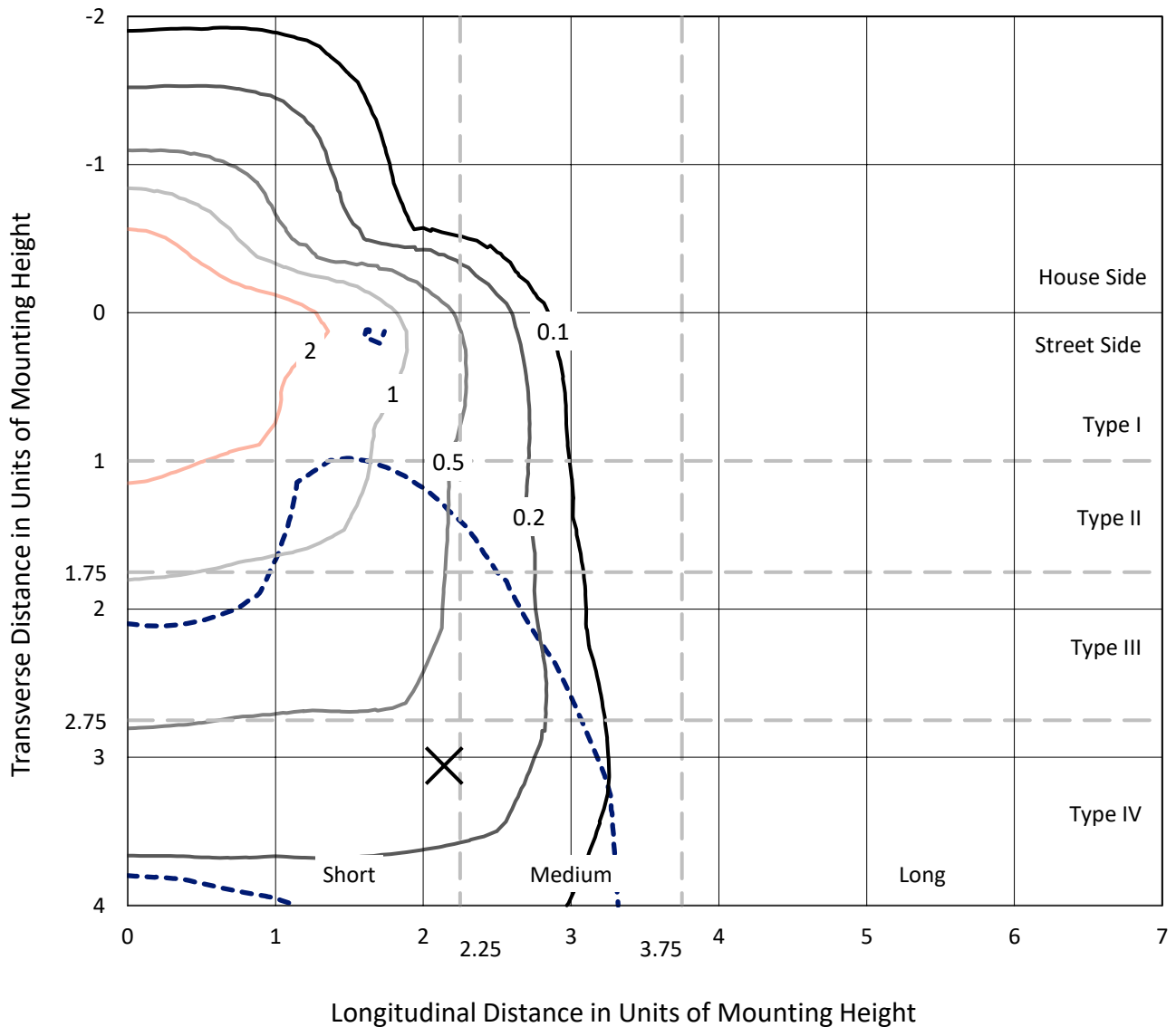
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P852287
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Iso-Footcandle Lines of Horizontal Illumination

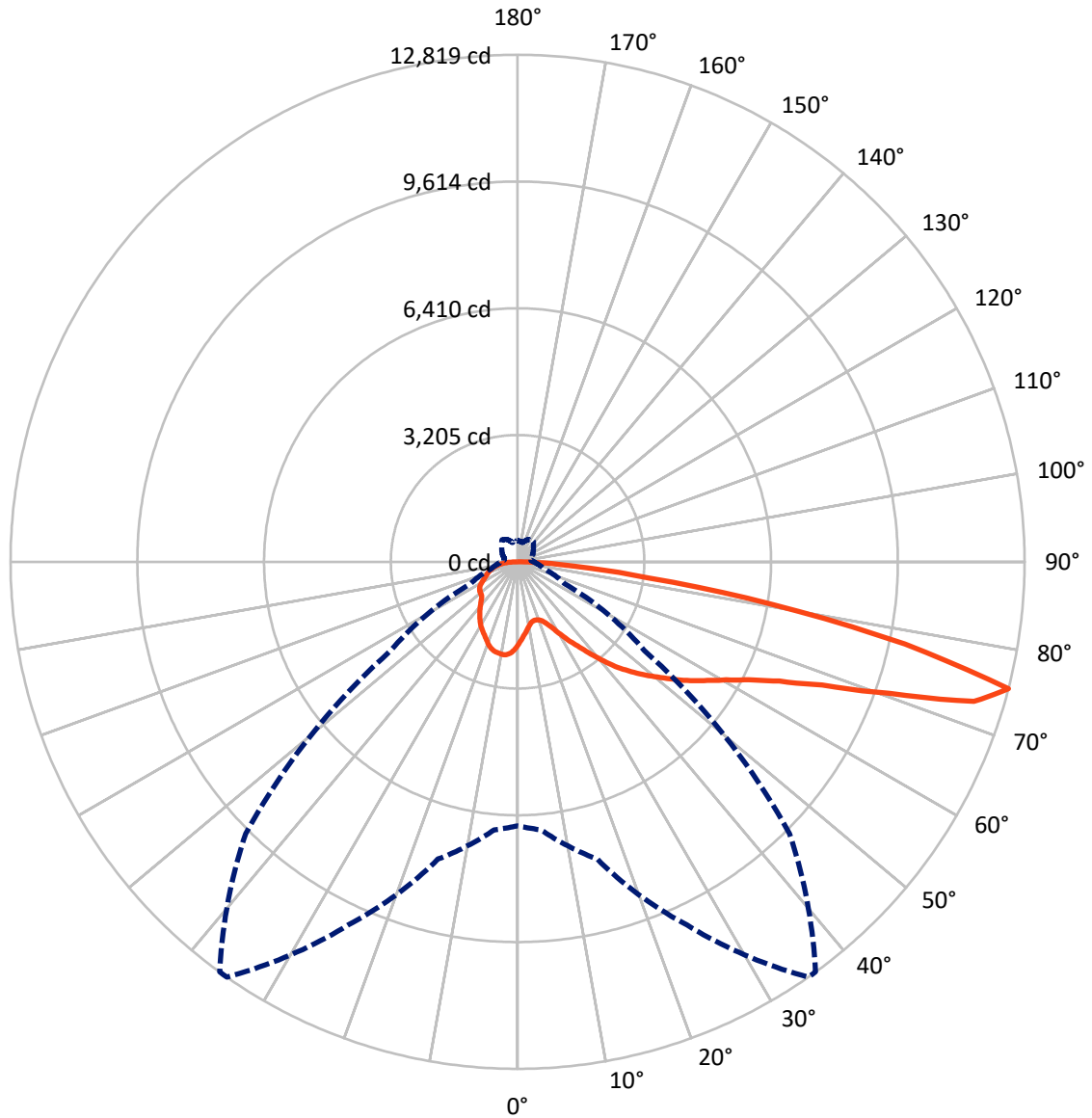
× Max cd
 - - - 1/2 Max cd



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

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CATALOG NUMBER: GLAN-SB2D-722-U-T4FT

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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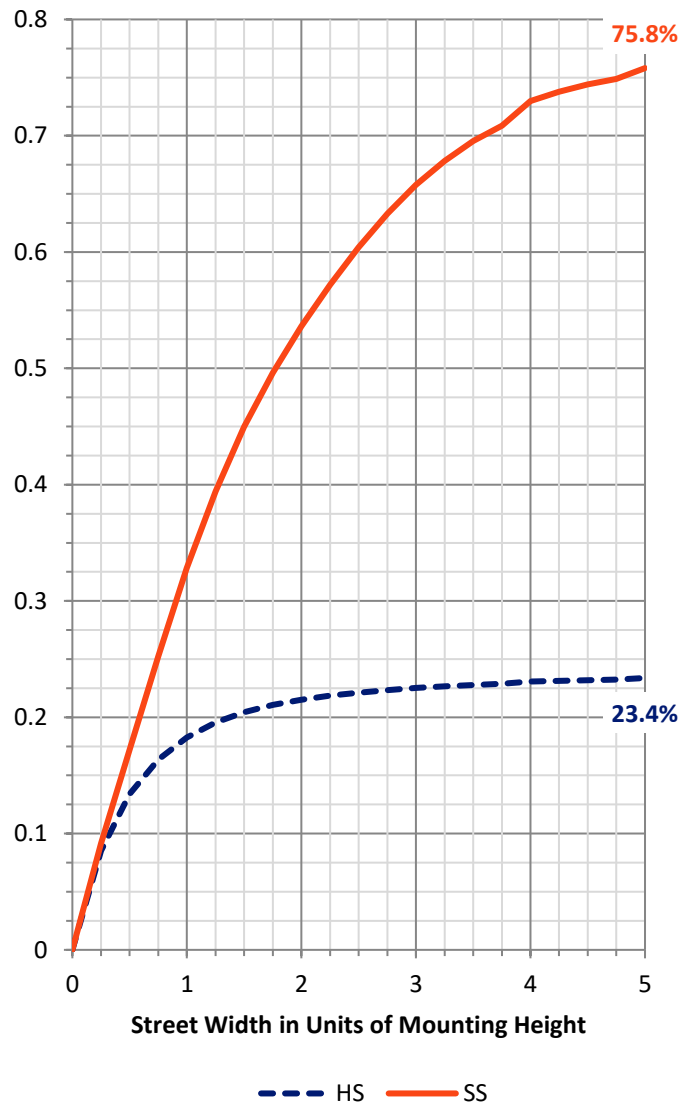
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3742.9	0.0	3742.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	11985.1	0.0	11985.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	15728.0	0.0	15728.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.4	1.3
10°-20°	572.4	3.6
20°-30°	961.2	6.1
30°-40°	1493.8	9.5
40°-50°	2217.2	14.1
50°-60°	3061.0	19.5
60°-70°	3713.6	23.6
70°-80°	3069.0	19.5
80°-90°	441.4	2.8
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°	15728.0	100.0
0°-180°	15728.0	100.0

Coefficient of Utilization



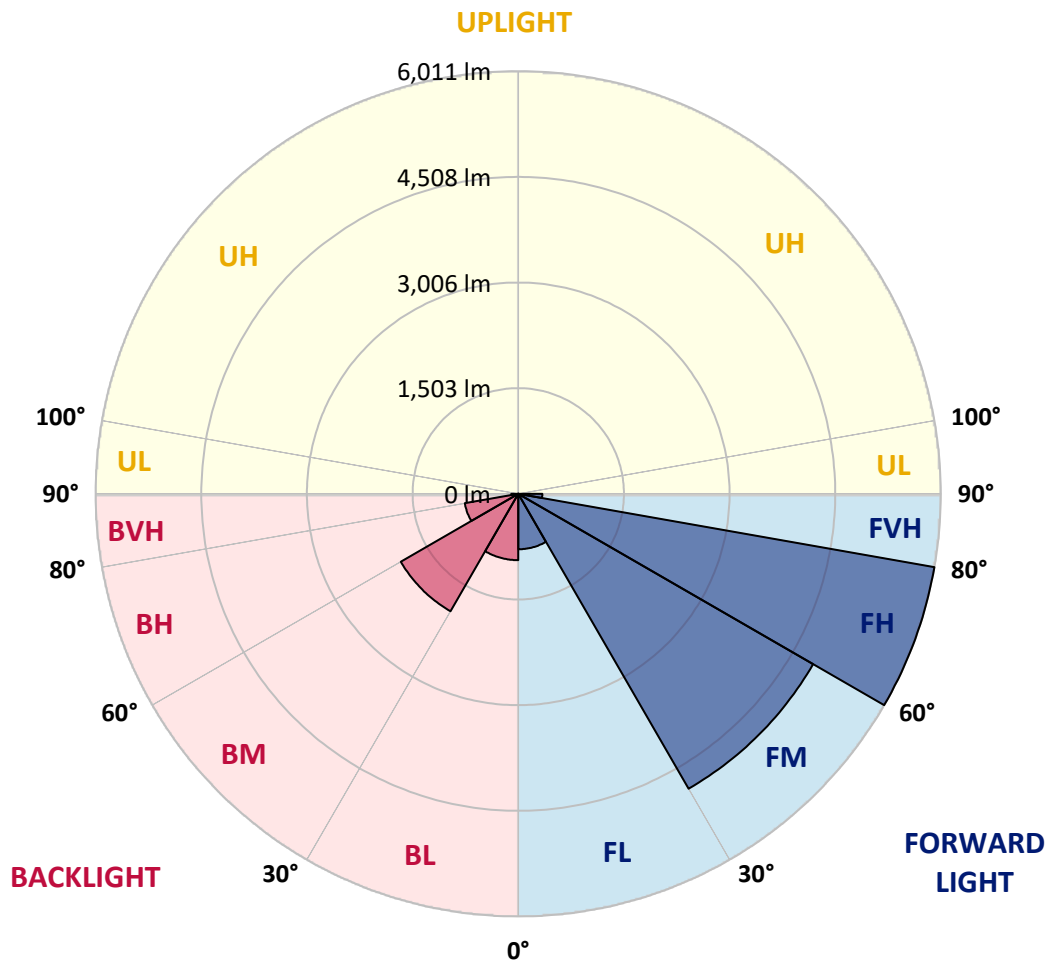
REPORT NUMBER: P852287
 CATALOG NUMBER: GLAN-SB2D-722-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	788.7	5.0			
FM (30°-60°)	4843.4	30.8			
FH (60°-80°)	6011.0	38.2			G3/7500
FVH (80°-90°)	342.0	2.2			G3/500
BL (0°-30°)	943.2	6.0	B2/1000		
BM (30°-60°)	1928.6	12.3	B2/2500		
BH (60°-80°)	771.7	4.9	B2/1000		G2/1000
BVH (80°-90°)	99.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



REPORT NUMBER: P852287
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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2095.9	2095.9	2095.9	2095.9	2095.9	2095.9	2095.9	2095.9	2095.9	2095.9
2.5°	1932.6	1944.5	1949.6	1947.1	1959.8	1958.1	1976.0	1998.1	2028.7	2058.5
5°	1783.8	1796.6	1807.6	1817.8	1842.5	1850.1	1878.2	1920.7	1976.8	2033.8
7.5°	1645.2	1656.3	1673.3	1692.0	1733.7	1741.3	1788.1	1854.4	1932.6	2015.9
10°	1532.1	1543.2	1561.1	1582.3	1634.2	1643.5	1703.0	1791.5	1893.5	1998.9
12.5°	1483.7	1487.1	1497.3	1518.5	1563.6	1569.6	1635.0	1736.2	1855.2	1986.2
15°	1481.1	1487.9	1488.8	1499.8	1537.2	1539.8	1600.2	1700.5	1831.4	1983.6
17.5°	1506.6	1511.7	1504.1	1510.9	1542.4	1546.6	1594.2	1683.5	1823.8	1994.7
20°	1574.7	1578.9	1556.0	1546.6	1569.6	1573.0	1619.7	1694.5	1831.4	2017.6
22.5°	1719.2	1721.8	1665.6	1627.4	1629.1	1630.8	1671.6	1739.6	1861.2	2059.3
25°	1944.5	1942.8	1853.5	1779.6	1737.1	1727.7	1754.9	1812.7	1911.4	2114.6
27.5°	2208.1	2195.3	2106.1	1995.5	1902.9	1889.3	1883.3	1908.0	1982.8	2187.7
30°	2505.7	2493.8	2397.7	2253.2	2124.8	2102.7	2046.5	2033.8	2089.1	2287.2
32.5°	2832.2	2824.5	2709.7	2534.6	2362.8	2337.3	2243.0	2208.9	2252.3	2437.7
35°	3106.0	3099.2	3003.9	2823.7	2613.7	2582.2	2486.1	2447.9	2470.0	2630.7
37.5°	3353.4	3350.0	3268.4	3126.4	2909.6	2871.3	2763.3	2750.6	2746.3	2884.9
40°	3582.9	3574.4	3489.4	3414.6	3253.9	3219.0	3123.8	3112.8	3080.5	3197.8
42.5°	3837.2	3815.1	3691.8	3656.9	3613.6	3584.6	3527.7	3529.4	3458.0	3550.6
45°	4044.6	4031.9	3905.2	3884.8	3931.5	3919.6	3969.0	3981.7	3843.1	3920.5
47.5°	4267.4	4255.5	4148.4	4133.9	4260.6	4264.0	4438.3	4442.5	4218.9	4304.8
50°	4542.0	4525.0	4418.7	4436.6	4578.6	4591.3	4910.2	4881.3	4565.0	4695.1
52.5°	4723.1	4733.3	4710.4	4739.3	4933.1	4945.0	5374.4	5300.4	4907.6	5080.2
55°	4856.6	4877.0	4948.4	5014.8	5307.3	5319.2	5812.3	5699.2	5191.6	5437.3
57.5°	5028.4	4999.5	5132.9	5262.2	5662.7	5694.1	6238.3	6083.5	5443.3	5745.1
60°	5274.9	5254.5	5358.3	5549.6	6060.6	6110.7	6688.9	6429.6	5627.8	5989.1
62.5°	5774.9	5723.9	5740.0	5909.2	6562.2	6628.5	7197.4	6731.4	5719.6	6084.4
65°	6522.3	6434.7	6353.1	6470.4	7268.8	7334.2	7771.3	6968.6	5685.6	5899.9
67.5°	7463.5	7376.8	7276.4	7387.0	8309.5	8361.3	8479.5	7102.1	5417.8	5189.1
70°	8239.8	8207.4	8327.3	8782.2	9971.7	9973.4	9387.6	6991.6	4684.0	3679.0
72.5°	8136.9	8117.3	8749.1	10155.4	12066.7	12021.7	10247.2	6154.9	3155.3	1659.7
75°	6675.3	6802.0	7780.6	10130.7	12819.2	12813.2	9720.9	3912.8	1305.1	687.9
77.5°	3579.5	3780.2	5051.3	7479.6	10007.4	10157.9	6834.3	1368.9	560.3	440.4
80°	1167.4	1342.5	2013.4	3808.3	6502.7	6474.6	2929.1	537.4	383.5	312.0
82.5°	495.7	516.1	899.6	1798.3	3337.2	3285.4	932.7	308.6	269.5	213.4
85°	193.9	216.8	397.1	831.5	1445.4	1414.0	336.7	153.0	172.6	139.4
87.5°	63.8	77.4	142.0	284.8	449.8	433.6	82.5	52.7	74.8	63.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P852287
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
2095.9	0°	2095.9	2095.9	2095.9	2095.9	2095.9	2095.9	2095.9	2095.9	2095.9	2095.9
2101.8	2.5°	2113.7	2127.3	2143.5	2167.3	2187.7	2204.7	2222.5	2233.6	2237.9	2250.6
2105.2	5°	2129.0	2158.8	2198.7	2237.9	2276.1	2299.1	2319.5	2329.7	2339.0	2345.8
2114.6	7.5°	2154.5	2192.8	2255.7	2306.7	2339.0	2357.7	2371.3	2367.9	2371.3	2373.0
2124.8	10°	2176.6	2230.2	2305.0	2353.5	2378.1	2379.0	2375.6	2363.7	2357.7	2358.6
2140.1	12.5°	2203.0	2262.5	2343.3	2384.1	2390.9	2372.2	2357.7	2337.3	2329.7	2326.3
2163.0	15°	2238.7	2306.7	2384.9	2400.3	2383.2	2359.4	2334.8	2301.6	2284.6	2271.0
2202.1	17.5°	2282.1	2356.9	2417.3	2406.2	2369.6	2330.5	2290.6	2240.4	2205.5	2191.1
2255.7	20°	2342.4	2409.6	2441.9	2393.4	2338.2	2278.7	2210.6	2149.4	2117.1	2102.7
2323.7	22.5°	2415.6	2480.2	2465.7	2371.3	2293.1	2197.9	2112.9	2067.8	2051.6	2041.4
2411.3	25°	2503.1	2558.4	2482.7	2339.0	2219.1	2090.8	2025.3	2010.8	2003.2	1995.5
2518.4	27.5°	2617.1	2646.8	2495.5	2291.4	2103.5	1976.8	1953.0	1955.6	1953.0	1940.3
2667.2	30°	2767.6	2761.6	2507.4	2214.0	1970.9	1873.9	1875.6	1886.7	1888.4	1879.9
2874.7	32.5°	2965.7	2905.3	2513.3	2113.7	1844.2	1783.8	1785.5	1797.4	1805.9	1791.5
3145.9	35°	3205.4	3072.8	2504.0	1987.9	1746.4	1697.9	1685.2	1688.6	1691.1	1677.5
3475.0	37.5°	3485.2	3260.7	2462.3	1848.4	1665.6	1613.8	1586.6	1563.6	1550.0	1537.2
3847.4	40°	3792.1	3465.6	2385.8	1712.4	1575.5	1524.5	1483.7	1440.3	1394.4	1377.4
4241.9	42.5°	4113.5	3676.5	2293.1	1582.3	1471.8	1430.1	1386.8	1323.8	1255.0	1220.1
4651.7	45°	4446.8	3892.4	2202.1	1453.9	1365.5	1347.6	1297.5	1221.8	1147.0	1102.8
5062.4	47.5°	4773.3	4096.5	2068.7	1324.7	1266.0	1285.6	1246.5	1176.7	1093.4	1023.7
5469.6	50°	5085.3	4287.8	1850.1	1193.7	1185.2	1266.9	1229.5	1129.1	1033.9	944.6
5869.3	52.5°	5394.8	4442.5	1570.4	1074.7	1141.9	1261.8	1207.4	1096.8	980.3	886.8
6245.1	55°	5657.6	4522.5	1300.9	972.7	1079.0	1218.4	1181.0	1058.6	904.7	805.2
6502.7	57.5°	5807.2	4457.9	1076.4	872.4	992.2	1147.0	1135.9	976.9	814.5	738.0
6552.9	60°	5742.6	4196.0	892.8	784.8	909.8	1069.6	1057.7	896.2	745.7	673.4
6284.2	62.5°	5386.3	3696.9	747.4	708.3	834.9	990.5	979.5	834.1	693.0	623.2
5570.8	65°	4668.7	3007.3	634.3	644.5	759.3	895.3	911.5	782.2	651.3	583.3
4309.9	67.5°	3560.8	2178.3	545.9	589.2	685.3	801.8	848.5	744.8	616.4	551.8
2493.8	70°	2029.5	1237.1	471.0	535.7	619.8	715.1	800.1	715.1	579.0	525.5
934.4	72.5°	769.5	568.0	407.3	482.1	556.9	641.9	746.5	668.3	535.7	495.7
482.9	75°	410.7	346.1	342.7	419.2	484.6	570.5	679.3	622.4	503.3	523.8
334.1	77.5°	279.7	244.9	286.5	358.8	405.6	491.4	607.9	552.7	436.2	434.5
231.3	80°	193.9	173.5	233.0	289.1	313.7	413.2	530.6	474.4	355.4	331.6
142.8	82.5°	116.5	113.1	174.3	216.0	221.9	318.8	439.6	397.9	290.8	253.4
85.0	85°	63.8	67.2	111.4	126.7	129.2	222.8	344.4	307.8	223.6	187.9
30.6	87.5°	17.9	23.0	40.8	50.2	62.1	115.6	204.9	182.8	112.2	78.2
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

180°
2095.9
2249.8
2347.5
2375.6
2360.3
2324.6
2275.3
2191.9
2101.0
2043.1
1995.5
1942.8
1884.2
1798.3
1686.9
1545.8
1385.1
1224.4
1099.4
1016.0
937.0
876.6
796.7
727.8
663.2
612.2
572.2
541.6
518.7
488.9
540.8
400.5
317.1
255.1
189.6
78.2
0.0

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