

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: P846716

Luminaire Tested: **GLAN-SB2C-722-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846716  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB2C-722-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11604 lumens  
Efficiency: N/A  
Efficacy: 115.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2

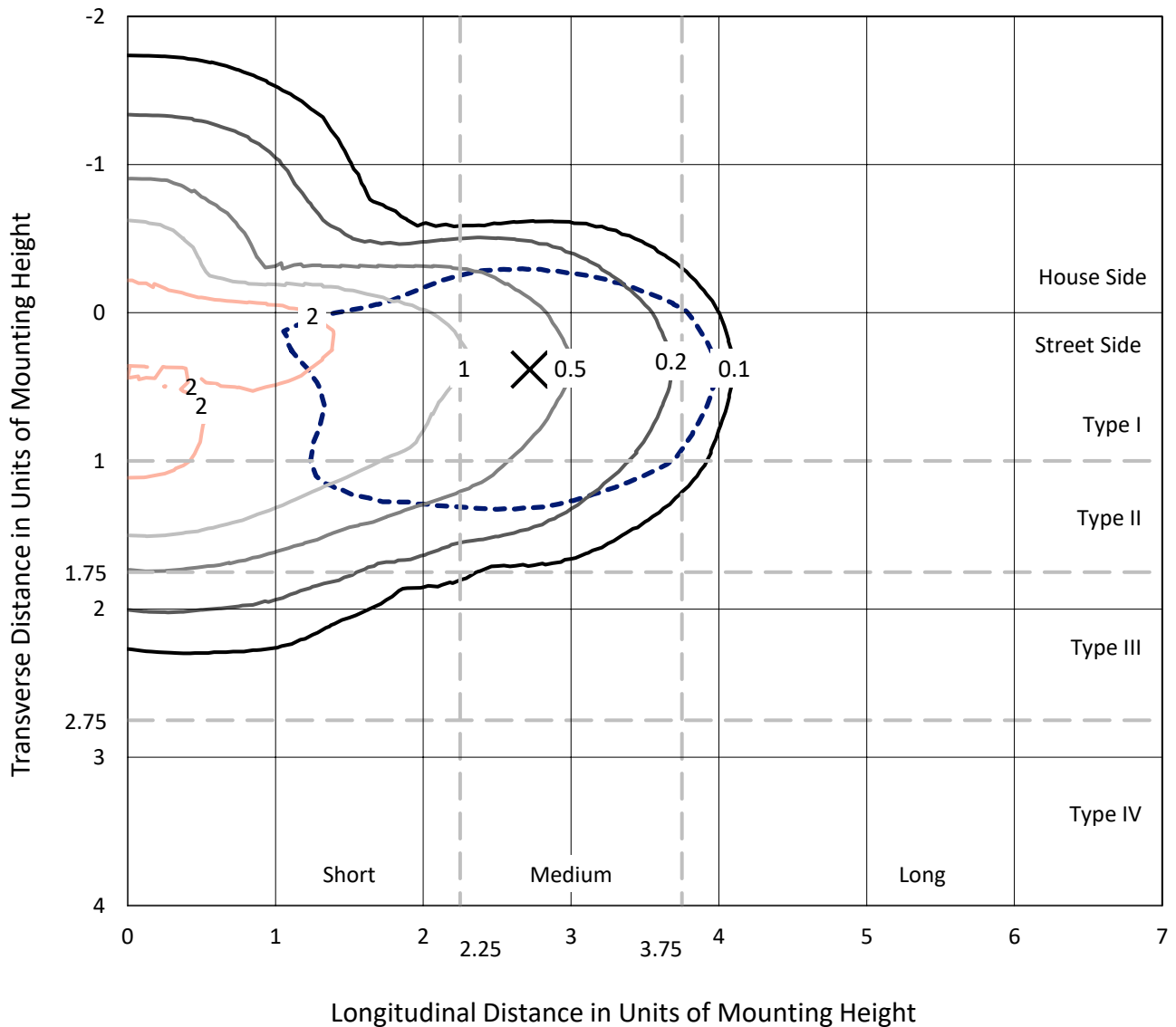
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

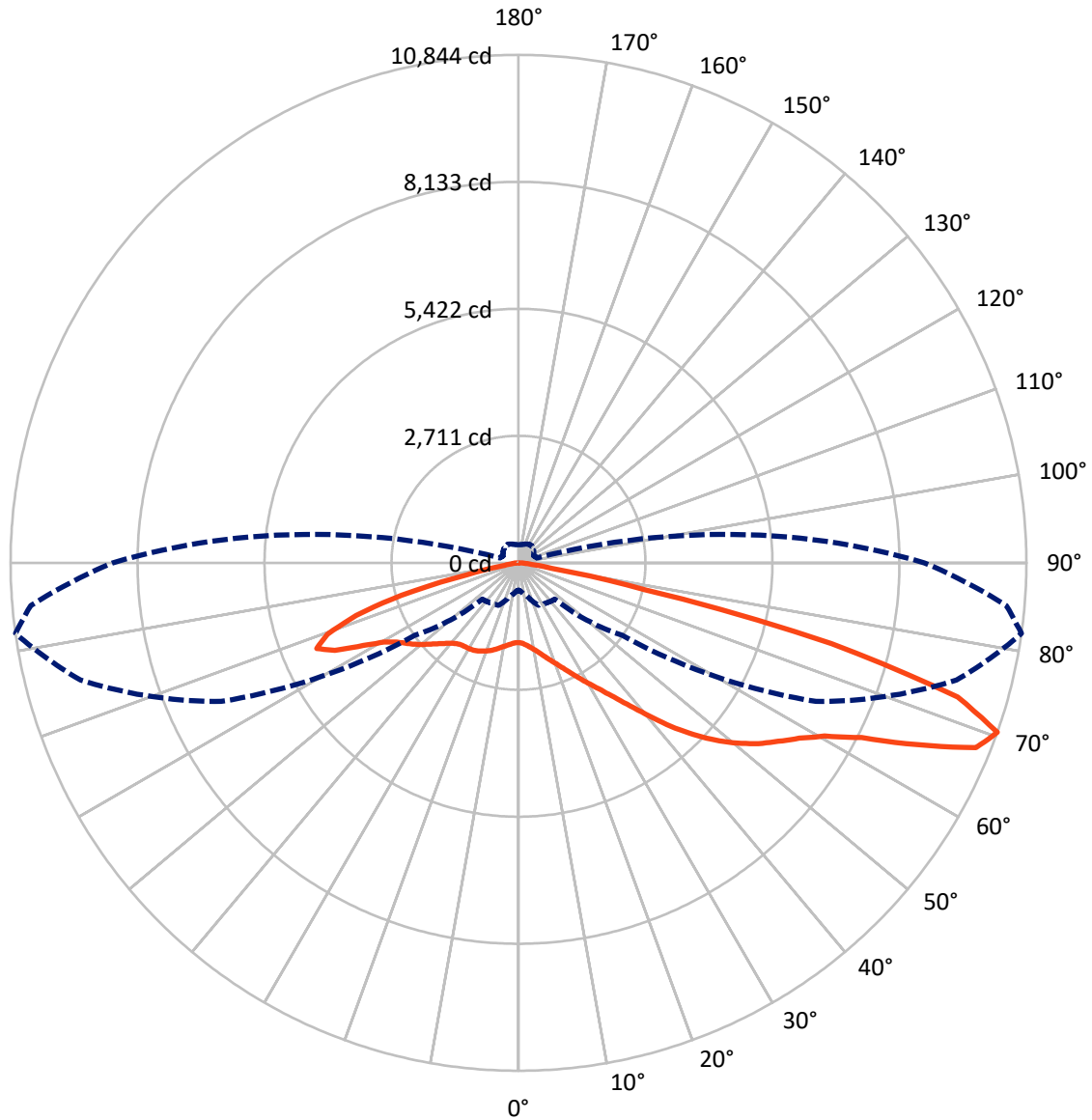
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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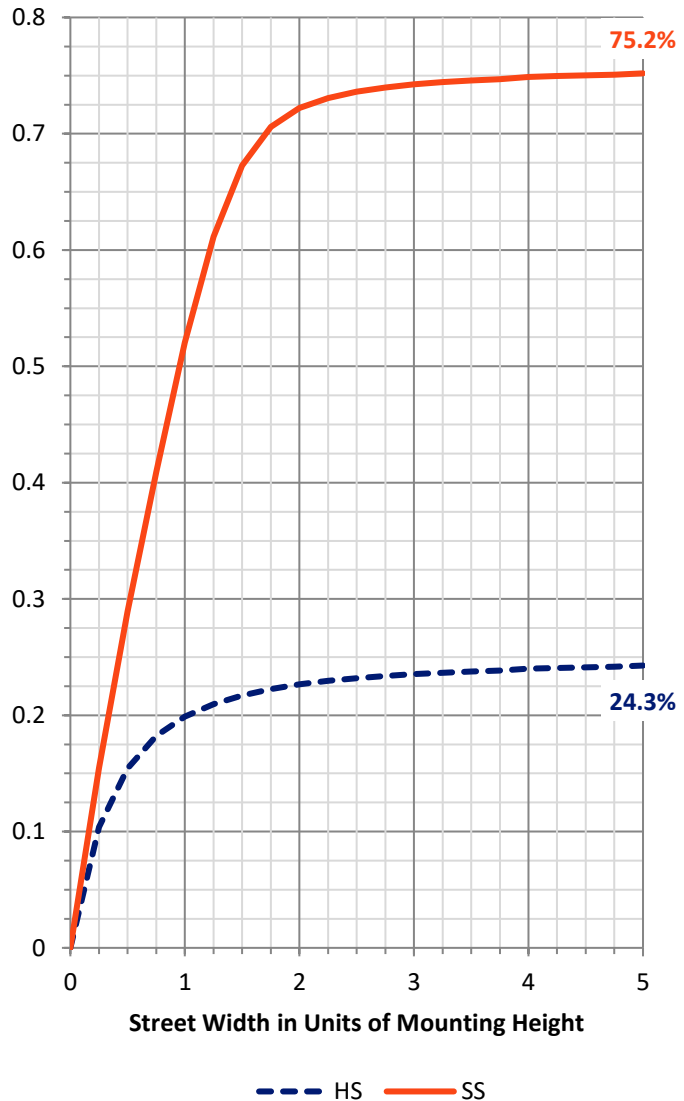
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2860.7	0.0	2860.7
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	8743.3	0.0	8743.3
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	11604.0	0.0	11604.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.6	1.4
10°-20°	461.5	4.0
20°-30°	772.1	6.7
30°-40°	1206.1	10.4
40°-50°	1920.9	16.6
50°-60°	2673.2	23.0
60°-70°	2796.3	24.1
70°-80°	1461.5	12.6
80°-90°	151.8	1.3
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°	11604.0	100.0
0°-180°	11604.0	100.0

**Coefficient of Utilization**



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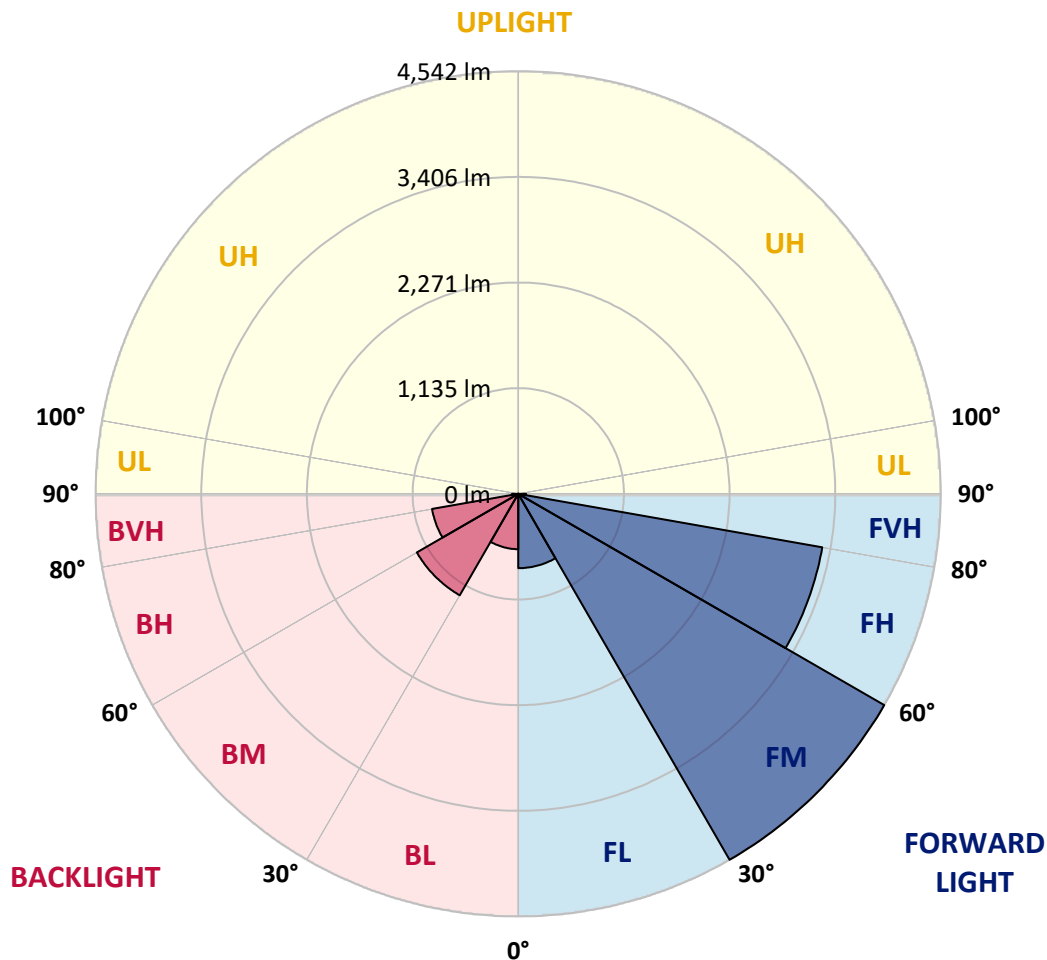
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	799.1	6.9			
FM (30°-60°)	4541.7	39.1			
FH (60°-80°)	3317.6	28.6			G2/5000
FVH (80°-90°)	85.0	0.7			G1/100
BL (0°-30°)	595.1	5.1	B2/1000		
BM (30°-60°)	1258.6	10.8	B2/2500		
BH (60°-80°)	940.2	8.1	B2/1000		G2/1000
BVH (80°-90°)	66.8	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-G2**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1701.3	1701.3	1701.3	1701.3	1701.3	1701.3	1701.3	1701.3	1701.3	1701.3
2.5°	1741.9	1751.8	1748.7	1745.6	1745.6	1741.3	1740.7	1734.5	1729.6	1721.6
5°	1764.1	1774.6	1773.3	1775.8	1783.8	1785.6	1787.5	1783.8	1773.9	1764.1
7.5°	1744.4	1756.1	1759.8	1774.6	1799.2	1821.4	1838.0	1844.8	1835.5	1821.4
10°	1677.9	1690.8	1703.8	1738.9	1782.6	1834.9	1879.2	1905.7	1903.9	1890.3
12.5°	1543.0	1556.6	1584.3	1652.6	1732.7	1825.1	1907.6	1963.0	1982.1	1972.2
15°	1435.3	1447.0	1467.9	1538.1	1642.2	1782.6	1918.0	2025.8	2074.4	2068.9
17.5°	1432.2	1437.1	1450.1	1483.3	1563.4	1716.1	1906.9	2087.4	2180.3	2179.7
20°	1486.4	1488.2	1495.6	1502.4	1548.0	1665.6	1878.6	2138.5	2299.2	2299.2
22.5°	1561.5	1560.3	1567.7	1561.5	1583.7	1661.3	1860.8	2183.4	2431.6	2441.4
25°	1674.2	1668.0	1666.2	1652.0	1656.3	1701.3	1880.5	2234.5	2588.6	2608.9
27.5°	1824.4	1814.6	1807.8	1775.2	1764.1	1783.8	1940.8	2296.1	2763.4	2798.5
30°	2020.2	2002.4	1992.5	1935.9	1895.9	1898.9	2031.9	2378.0	2946.3	3003.0
32.5°	2287.5	2259.8	2233.3	2140.3	2067.0	2043.0	2149.6	2491.3	3144.6	3235.1
35°	2586.7	2564.6	2536.2	2392.8	2280.1	2224.7	2308.4	2649.5	3376.7	3520.2
37.5°	2874.9	2855.8	2869.4	2676.0	2530.7	2450.0	2516.5	2862.0	3663.0	3874.9
40°	3172.9	3158.1	3160.0	2975.3	2805.9	2715.4	2769.0	3128.6	3991.2	4296.6
42.5°	3496.8	3485.7	3448.8	3285.0	3094.7	3010.4	3059.6	3436.4	4343.4	4776.9
45°	3859.5	3852.7	3818.2	3630.4	3412.4	3317.6	3384.1	3776.3	4697.5	5228.9
47.5°	4172.9	4178.4	4174.1	4015.9	3789.9	3650.7	3730.2	4131.0	5026.9	5653.7
50°	4323.7	4352.7	4395.2	4345.9	4205.5	4063.9	4079.3	4473.4	5340.9	6052.1
52.5°	4244.9	4299.7	4415.5	4494.3	4548.5	4518.9	4477.7	4813.2	5636.5	6411.7
55°	3951.2	4028.2	4220.3	4410.6	4687.0	4901.9	4956.1	5190.1	5924.7	6728.2
57.5°	3416.1	3541.1	3713.5	4098.4	4563.9	5087.2	5514.0	5712.8	6230.1	7066.2
60°	2498.7	2666.2	2880.4	3453.1	4132.9	4988.1	5988.7	6515.8	6664.2	7504.0
62.5°	1599.1	1702.5	1899.6	2438.9	3220.3	4480.1	6134.0	7519.4	7400.0	8222.0
65°	1094.8	1161.3	1341.7	1644.6	2081.8	3334.9	5744.9	8271.9	8568.6	9359.9
67.5°	795.5	846.0	1000.0	1265.3	1356.5	1973.4	4458.0	8237.4	9704.7	10532.2
70°	580.0	615.7	745.0	1000.0	1043.7	1097.9	2700.6	7002.2	9680.1	10843.8
72.5°	429.8	454.4	541.2	775.8	844.8	741.4	1336.8	5089.1	8318.0	9808.1
75°	310.9	329.4	393.5	593.6	676.1	564.6	666.8	2974.0	5802.1	6899.4
77.5°	237.7	251.8	293.7	434.7	541.2	423.6	413.8	1368.2	2751.1	2764.7
80°	190.9	200.1	222.9	306.0	415.0	317.1	269.7	552.3	869.4	735.8
82.5°	140.4	155.8	188.4	214.9	296.8	218.6	164.4	278.9	330.7	284.5
85°	80.0	90.5	113.9	153.9	189.6	133.6	94.2	123.8	153.9	126.2
87.5°	28.3	36.9	40.0	60.3	82.5	55.4	36.3	35.7	50.5	37.6
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°
1701.3	0°	1701.3	1701.3	1701.3	1701.3	1701.3	1701.3	1701.3	1701.3	1701.3	1701.3
1719.8	2.5°	1713.6	1710.5	1698.2	1681.6	1664.3	1647.7	1642.2	1630.5	1622.5	1618.2
1759.8	5°	1748.1	1738.2	1709.3	1672.4	1633.6	1591.7	1562.1	1535.0	1515.3	1496.9
1814.6	7.5°	1797.3	1780.1	1730.2	1665.6	1596.6	1527.0	1475.3	1435.9	1409.4	1392.2
1878.6	10°	1854.6	1828.1	1751.8	1655.1	1548.6	1448.8	1387.9	1354.0	1337.4	1328.2
1951.9	12.5°	1920.5	1882.9	1773.9	1631.1	1475.3	1361.4	1319.5	1309.7	1310.3	1310.9
2044.3	15°	2001.8	1949.4	1791.8	1578.8	1379.9	1294.3	1286.9	1302.9	1319.5	1327.5
2148.9	17.5°	2093.5	2019.6	1794.9	1492.6	1286.3	1251.2	1274.6	1309.1	1334.3	1345.4
2265.9	20°	2192.0	2091.1	1772.7	1370.6	1209.3	1216.1	1258.0	1302.3	1330.0	1344.2
2399.5	22.5°	2304.7	2167.4	1719.8	1242.6	1146.5	1177.9	1227.2	1270.3	1299.2	1313.4
2556.6	25°	2433.4	2253.0	1636.6	1134.8	1092.3	1134.8	1184.1	1219.8	1243.2	1256.1
2732.0	27.5°	2576.3	2342.3	1525.8	1049.2	1044.9	1090.5	1131.1	1158.8	1171.1	1181.0
2918.6	30°	2719.7	2423.6	1391.6	984.6	1003.7	1046.8	1075.7	1088.0	1091.7	1093.6
3126.7	32.5°	2874.9	2493.7	1250.6	931.0	964.2	1004.3	1021.5	1027.1	1009.8	998.1
3379.2	35°	3062.7	2568.9	1112.6	888.5	925.5	959.9	965.5	960.6	940.2	916.2
3695.7	37.5°	3294.8	2662.5	1002.4	858.3	889.1	911.9	905.1	903.9	905.8	877.4
4076.2	40°	3579.3	2784.4	921.8	834.9	859.6	864.5	845.4	855.9	865.1	822.0
4493.7	42.5°	3895.2	2931.5	870.7	818.9	834.9	823.2	793.7	805.4	804.2	747.5
4913.0	45°	4217.2	3091.6	852.8	807.2	812.2	788.8	756.1	759.2	733.3	682.2
5315.1	47.5°	4537.4	3263.4	863.9	797.4	783.8	757.4	732.1	718.6	680.4	642.2
5700.5	50°	4851.4	3443.8	904.5	777.7	745.0	729.7	711.2	687.2	646.5	613.9
6065.0	52.5°	5142.7	3625.5	950.1	745.0	696.4	705.6	693.9	666.2	626.2	593.0
6409.9	55°	5418.5	3807.1	967.9	700.1	650.8	684.7	677.9	626.8	578.8	551.7
6770.7	57.5°	5719.0	4025.7	948.2	642.8	613.9	660.7	634.8	578.2	550.5	530.2
7240.5	60°	6135.2	4368.7	905.8	572.0	578.8	625.0	580.6	557.2	527.1	504.3
7944.9	62.5°	6826.7	5008.4	837.4	501.8	537.5	572.0	554.8	531.4	500.6	478.4
9149.3	65°	7848.8	5897.6	708.7	447.0	491.4	520.3	527.1	503.7	471.7	448.3
10204.7	67.5°	8710.9	6455.4	536.3	401.5	443.9	478.4	497.5	474.7	440.9	418.1
10451.6	70°	8663.5	6050.3	409.5	356.5	402.1	437.2	461.8	443.9	407.6	386.1
9493.5	72.5°	7694.9	5061.4	331.3	310.9	359.6	394.1	423.6	410.1	373.1	352.2
6954.8	75°	5653.1	3592.8	264.8	264.8	306.6	349.1	381.8	373.1	339.3	324.5
2919.8	77.5°	2382.9	1507.3	207.5	219.8	254.9	299.9	340.5	343.6	314.0	332.5
772.1	80°	633.6	415.6	158.2	173.0	200.1	247.5	296.2	294.9	262.9	245.7
286.9	82.5°	241.4	163.8	112.7	121.9	144.7	189.6	234.6	242.0	210.0	181.6
112.7	85°	93.0	70.2	69.6	73.3	84.4	125.6	177.3	183.5	158.2	134.2
31.4	87.5°	24.0	20.9	25.9	24.6	38.8	67.1	101.6	105.3	96.7	56.0
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



<u>180°</u>
1701.3
1623.1
1504.3
1395.9
1330.6
1312.1
1326.9
1347.9
1347.9
1317.1
1259.8
1184.7
1097.9
1001.8
917.5
879.3
823.2
746.9
684.1
642.2
611.4
593.6
549.2
528.3
503.1
478.4
449.5
418.7
387.9
352.2
320.2
301.7
228.4
181.6
138.5
80.0
0.0

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