

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: P846826

Luminaire Tested: **GLAN-SB2C-850-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846826  
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-850-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(2) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12742 lumens  
Efficiency: N/A  
Efficacy: 126.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3

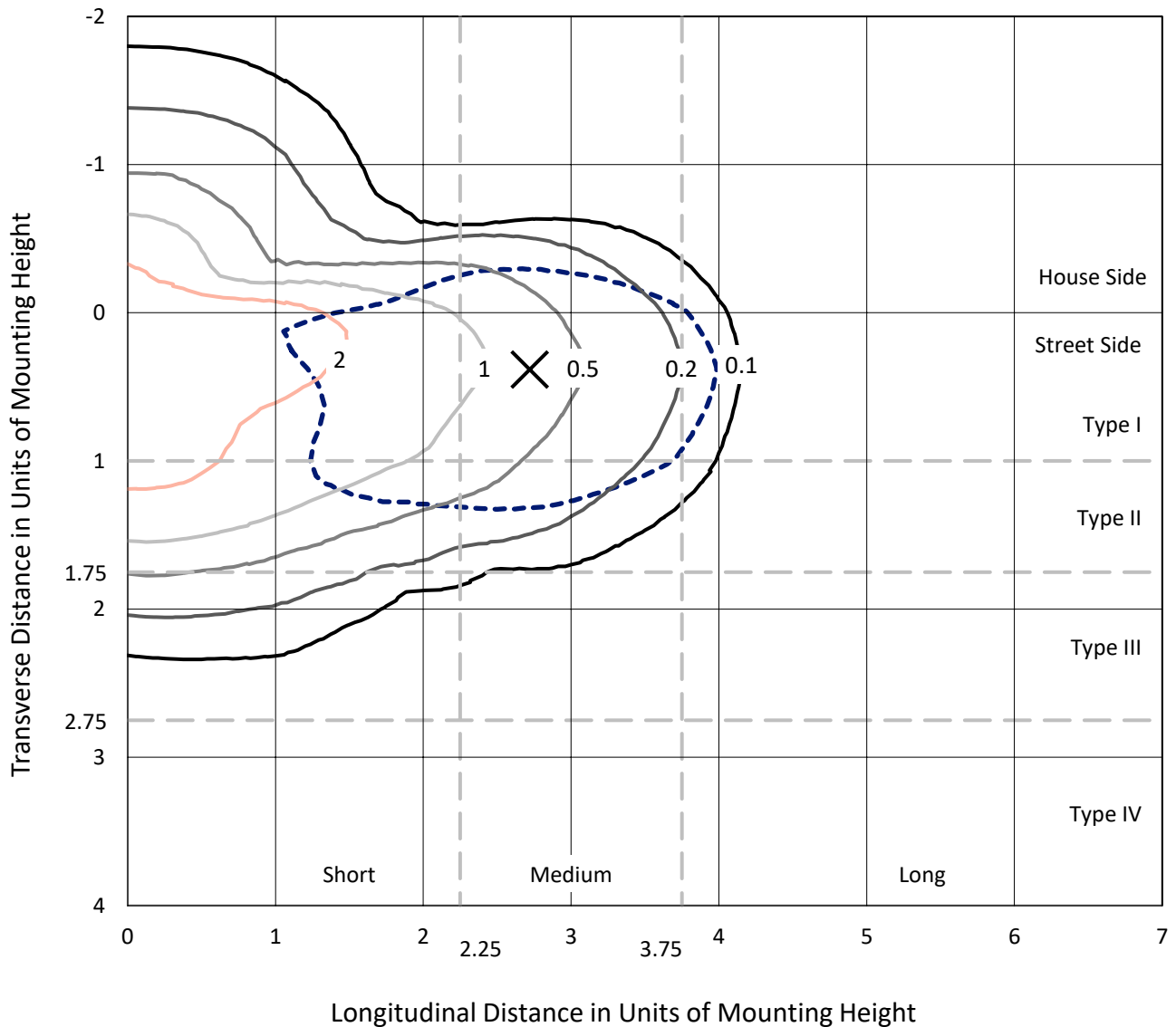
Input Watts (W): 100.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

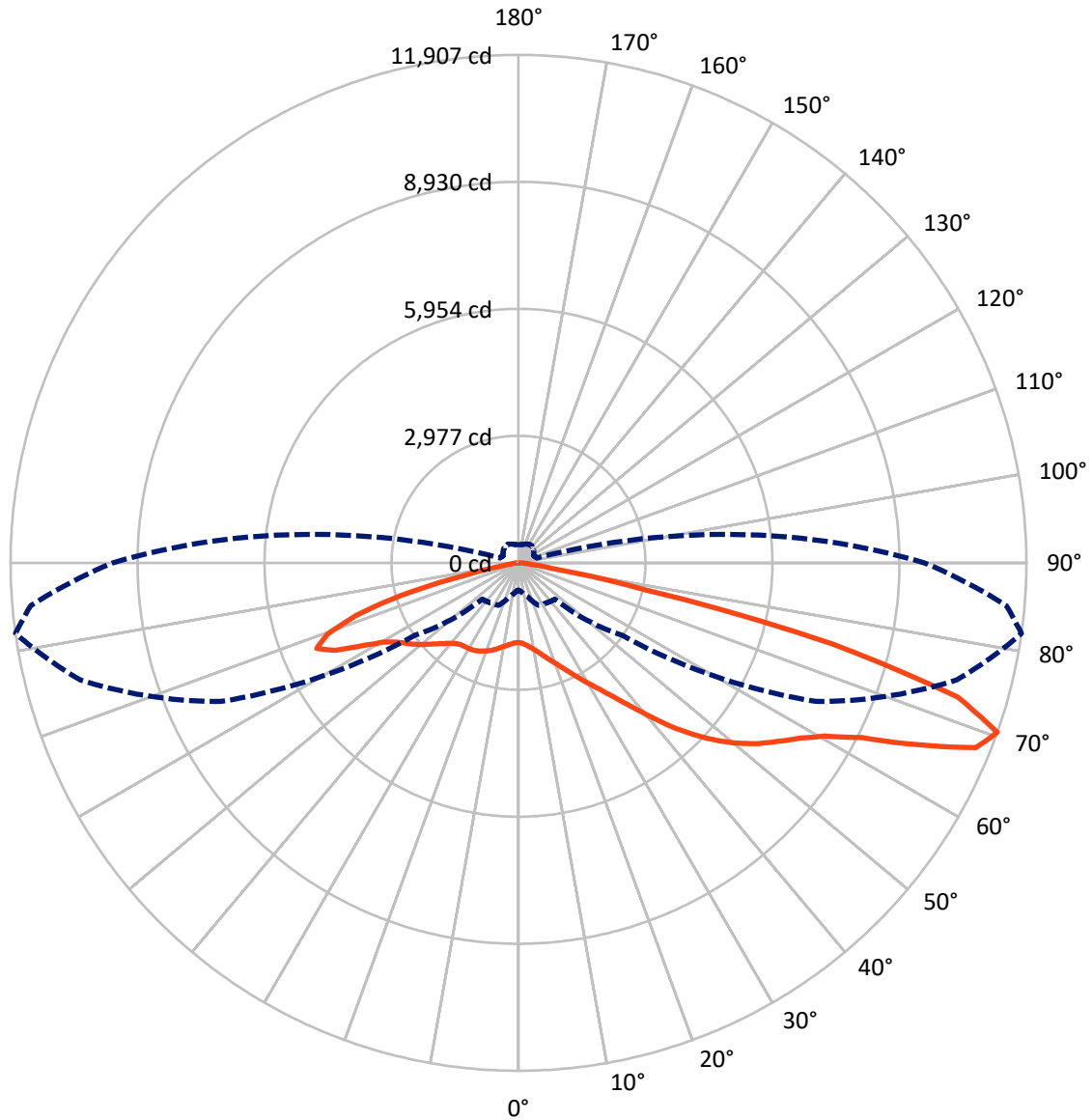
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 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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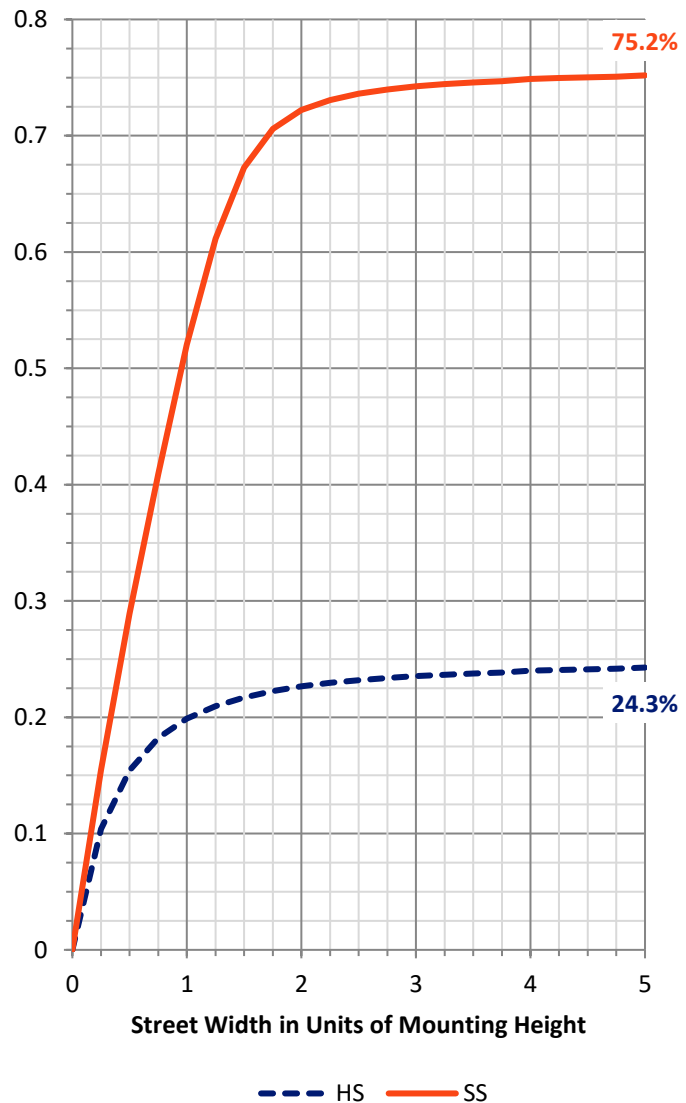
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3141.2	0.0	3141.2
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	9600.8	0.0	9600.8
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	12742.0	0.0	12742.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.4	1.4
10°-20°	506.8	4.0
20°-30°	847.8	6.7
30°-40°	1324.4	10.4
40°-50°	2109.3	16.6
50°-60°	2935.4	23.0
60°-70°	3070.5	24.1
70°-80°	1604.8	12.6
80°-90°	166.6	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°	12742.0	100.0
0°-180°	12742.0	100.0

**Coefficient of Utilization**

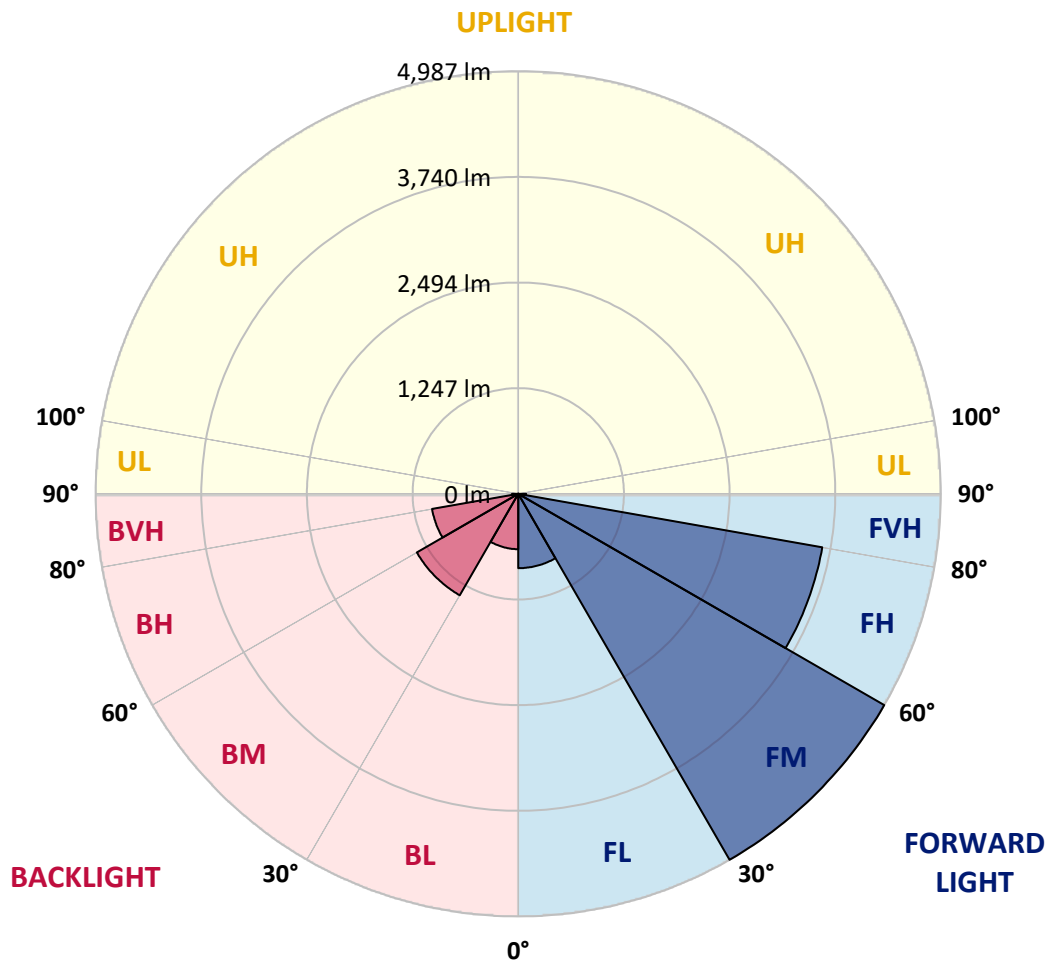


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	877.4	6.9			
FM (30°-60°)	4987.1	39.1			
FH (60°-80°)	3643.0	28.6			G2/5000
FVH (80°-90°)	93.3	0.7			G1/100
BL (0°-30°)	653.5	5.1	B2/1000		
BM (30°-60°)	1382.0	10.8	B2/2500		
BH (60°-80°)	1032.4	8.1	B3/2500		G3/2500
BVH (80°-90°)	73.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1
2.5°	1912.8	1923.6	1920.2	1916.8	1916.8	1912.1	1911.4	1904.6	1899.2	1890.4
5°	1937.1	1948.6	1947.2	1949.9	1958.7	1960.8	1962.8	1958.7	1947.9	1937.1
7.5°	1915.5	1928.3	1932.4	1948.6	1975.6	2000.0	2018.2	2025.7	2015.5	2000.0
10°	1842.4	1856.6	1870.8	1909.4	1957.4	2014.9	2063.5	2092.6	2090.6	2075.7
12.5°	1694.4	1709.2	1739.7	1814.7	1902.6	2004.0	2094.6	2155.5	2176.5	2165.6
15°	1576.1	1588.9	1611.9	1689.0	1803.2	1957.4	2106.1	2224.5	2277.9	2271.8
17.5°	1572.7	1578.1	1592.3	1628.8	1716.7	1884.4	2094.0	2292.1	2394.2	2393.5
20°	1632.2	1634.2	1642.3	1649.7	1699.8	1828.9	2062.9	2348.2	2524.7	2524.7
22.5°	1714.7	1713.3	1721.4	1714.7	1739.0	1824.2	2043.3	2397.5	2670.0	2680.8
25°	1838.4	1831.6	1829.6	1814.0	1818.8	1868.1	2064.9	2453.7	2842.4	2864.7
27.5°	2003.4	1992.5	1985.1	1949.3	1937.1	1958.7	2131.1	2521.3	3034.5	3073.0
30°	2218.4	2198.8	2187.9	2125.7	2081.8	2085.2	2231.2	2611.2	3235.3	3297.5
32.5°	2511.8	2481.4	2452.3	2350.2	2269.8	2243.4	2360.4	2735.6	3453.0	3552.4
35°	2840.4	2816.1	2785.0	2627.4	2503.7	2442.8	2534.8	2909.4	3707.9	3865.4
37.5°	3156.8	3135.9	3150.7	2938.4	2778.9	2690.3	2763.3	3142.6	4022.3	4254.9
40°	3484.1	3467.9	3469.9	3267.0	3081.1	2981.7	3040.5	3435.4	4382.6	4718.0
42.5°	3839.7	3827.6	3787.0	3607.1	3398.2	3305.6	3359.7	3773.5	4769.4	5245.4
45°	4238.0	4230.5	4192.7	3986.4	3747.1	3643.0	3716.0	4146.7	5158.2	5741.7
47.5°	4582.1	4588.2	4583.5	4409.7	4161.6	4008.8	4096.0	4536.1	5519.9	6208.2
50°	4747.8	4779.5	4826.2	4772.1	4617.9	4462.4	4479.3	4912.1	5864.7	6645.6
52.5°	4661.2	4721.4	4848.5	4935.0	4994.5	4962.1	4916.8	5285.3	6189.3	7040.5
55°	4338.7	4423.2	4634.2	4843.1	5146.7	5382.6	5442.1	5699.1	6505.7	7388.0
57.5°	3751.1	3888.4	4077.7	4500.3	5011.4	5586.2	6054.7	6273.1	6841.0	7759.2
60°	2743.7	2927.6	3162.9	3791.7	4538.2	5477.3	6576.0	7154.8	7317.7	8239.9
62.5°	1755.9	1869.5	2085.8	2678.1	3536.1	4919.5	6735.6	8256.9	8125.7	9028.3
65°	1202.2	1275.2	1473.3	1805.9	2286.0	3661.9	6308.3	9083.1	9409.0	10277.8
67.5°	873.6	929.0	1098.0	1389.4	1489.5	2167.0	4895.2	9045.2	10656.4	11565.1
70°	636.9	676.1	818.1	1098.0	1146.0	1205.5	2965.5	7688.9	10629.4	11907.3
72.5°	471.9	499.0	594.3	851.9	927.6	814.1	1467.9	5588.2	9133.8	10770.0
75°	341.4	361.7	432.0	651.8	742.4	620.0	732.2	3265.7	6371.1	7576.0
77.5°	261.0	276.5	322.5	477.3	594.3	465.2	454.4	1502.4	3020.9	3035.8
80°	209.6	219.7	244.8	336.0	455.7	348.2	296.1	606.5	954.7	808.0
82.5°	154.2	171.1	206.9	236.0	325.9	240.0	180.5	306.3	363.1	312.4
85°	87.9	99.4	125.1	169.0	208.2	146.7	103.4	135.9	169.0	138.6
87.5°	31.1	40.6	43.9	66.3	90.6	60.9	39.9	39.2	55.4	41.2
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°
1868.1	0°	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1	1868.1
1888.4	2.5°	1881.7	1878.3	1864.8	1846.5	1827.6	1809.3	1803.2	1790.4	1781.6	1776.9
1932.4	5°	1919.5	1908.7	1876.9	1836.4	1793.8	1747.8	1715.3	1685.6	1663.9	1643.7
1992.5	7.5°	1973.6	1954.7	1899.9	1828.9	1753.2	1676.8	1620.0	1576.7	1547.7	1528.7
2062.9	10°	2036.5	2007.4	1923.6	1817.4	1700.5	1590.9	1524.0	1486.8	1468.5	1458.4
2143.3	12.5°	2108.8	2067.6	1947.9	1791.1	1620.0	1494.9	1448.9	1438.1	1438.8	1439.5
2244.7	15°	2198.1	2140.6	1967.5	1733.6	1515.2	1421.2	1413.1	1430.7	1448.9	1457.7
2359.7	17.5°	2298.8	2217.7	1970.9	1638.9	1412.4	1373.9	1399.6	1437.4	1465.2	1477.3
2488.1	20°	2407.0	2296.1	1946.6	1505.1	1327.9	1335.3	1381.3	1430.0	1460.4	1476.0
2634.9	22.5°	2530.7	2380.0	1888.4	1364.4	1258.9	1293.4	1347.5	1394.8	1426.6	1442.2
2807.3	25°	2672.1	2473.9	1797.1	1246.1	1199.4	1246.1	1300.2	1339.4	1365.1	1379.3
3000.0	27.5°	2828.9	2572.0	1675.4	1152.1	1147.4	1197.4	1242.0	1272.5	1286.0	1296.8
3204.8	30°	2986.4	2661.2	1528.0	1081.1	1102.1	1149.4	1181.2	1194.7	1198.8	1200.8
3433.4	32.5°	3156.8	2738.3	1373.2	1022.3	1058.8	1102.8	1121.7	1127.8	1108.8	1096.0
3710.6	35°	3363.1	2820.8	1221.8	975.7	1016.2	1054.1	1060.2	1054.8	1032.4	1006.1
4058.1	37.5°	3618.0	2923.6	1100.7	942.5	976.3	1001.3	993.9	992.6	994.6	963.5
4476.0	40°	3930.3	3057.4	1012.2	916.8	943.9	949.3	928.3	939.8	950.0	902.6
4934.4	42.5°	4277.2	3219.0	956.0	899.2	916.8	904.0	871.5	884.4	883.0	820.8
5394.8	45°	4630.8	3394.8	936.4	886.4	891.8	866.1	830.3	833.7	805.3	749.1
5836.3	47.5°	4982.4	3583.5	948.6	875.6	860.7	831.6	803.9	789.0	747.1	705.2
6259.6	50°	5327.2	3781.6	993.2	853.9	818.1	801.2	780.9	754.6	709.9	674.1
6659.8	52.5°	5647.0	3981.0	1043.3	818.1	764.7	774.8	762.0	731.6	687.6	651.1
7038.5	55°	5949.9	4180.5	1062.9	768.8	714.7	751.9	744.4	688.3	635.6	605.8
7434.7	57.5°	6279.9	4420.5	1041.2	705.9	674.1	725.5	697.1	634.9	604.5	582.1
7950.6	60°	6736.9	4797.1	994.6	628.1	635.6	686.3	637.6	611.9	578.8	553.7
8724.1	62.5°	7496.2	5499.6	919.5	551.0	590.3	628.1	609.2	583.5	549.7	525.4
10046.6	65°	8618.6	6475.9	778.2	490.9	539.5	571.3	578.8	553.1	517.9	492.2
11205.4	67.5°	9565.2	7088.5	588.9	440.8	487.5	525.4	546.3	521.3	484.1	459.1
11476.6	70°	9513.1	6643.6	449.6	391.5	441.5	480.0	507.1	487.5	447.6	423.9
10424.5	72.5°	8449.5	5557.8	363.8	341.4	394.9	432.7	465.2	450.3	409.7	386.7
7636.8	75°	6207.5	3945.2	290.7	290.7	336.7	383.4	419.2	409.7	372.5	356.3
3206.2	77.5°	2616.6	1655.2	227.9	241.4	279.9	329.3	373.9	377.3	344.8	365.1
847.9	80°	695.7	456.4	173.8	190.0	219.7	271.8	325.2	323.9	288.7	269.8
315.1	82.5°	265.0	179.8	123.7	133.9	158.9	208.2	257.6	265.7	230.6	199.5
123.7	85°	102.1	77.1	76.4	80.5	92.6	137.9	194.7	201.5	173.8	147.4
34.5	87.5°	26.4	23.0	28.4	27.0	42.6	73.7	111.6	115.6	106.2	61.5
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>
1868.1
1782.3
1651.8
1532.8
1461.1
1440.8
1457.1
1480.0
1480.0
1446.2
1383.4
1300.9
1205.5
1100.1
1007.4
965.5
904.0
820.1
751.2
705.2
671.4
651.8
603.1
580.1
552.4
525.4
493.6
459.8
426.0
386.7
351.6
331.3
250.8
199.5
152.1
87.9
0.0

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