

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: P847016

Luminaire Tested: **GLAN-SB2D-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847016
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-SB2D-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13604 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

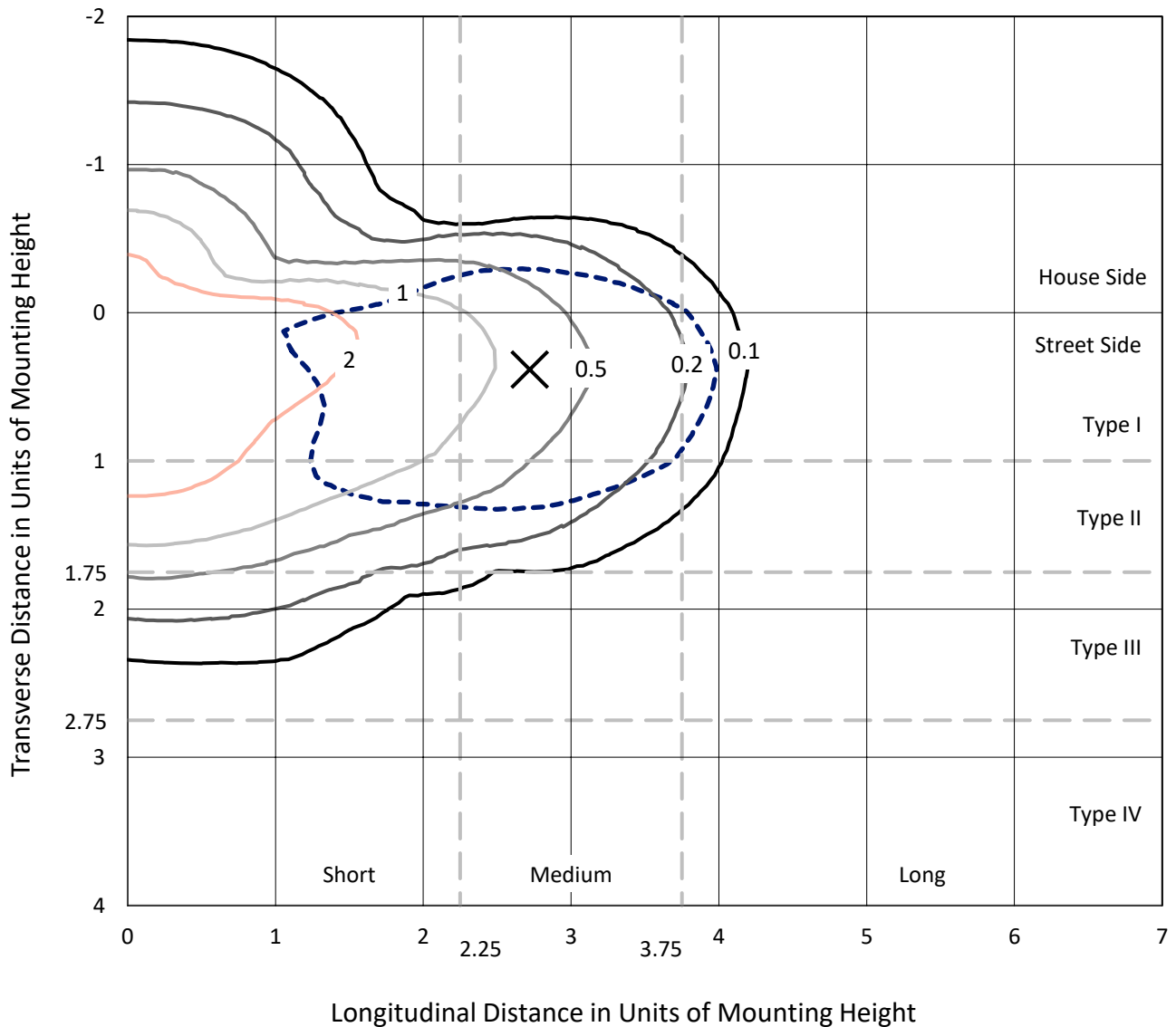
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

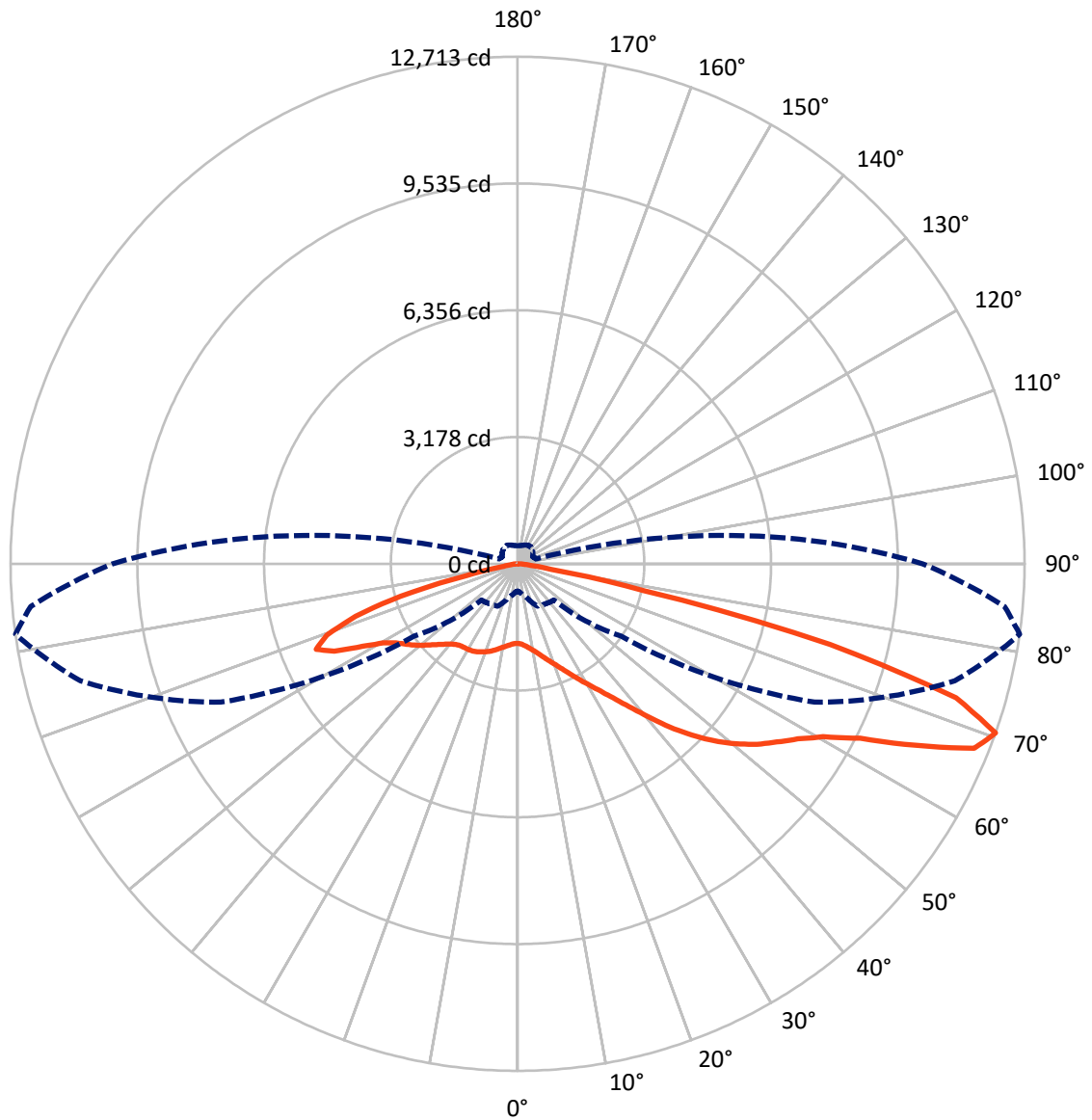
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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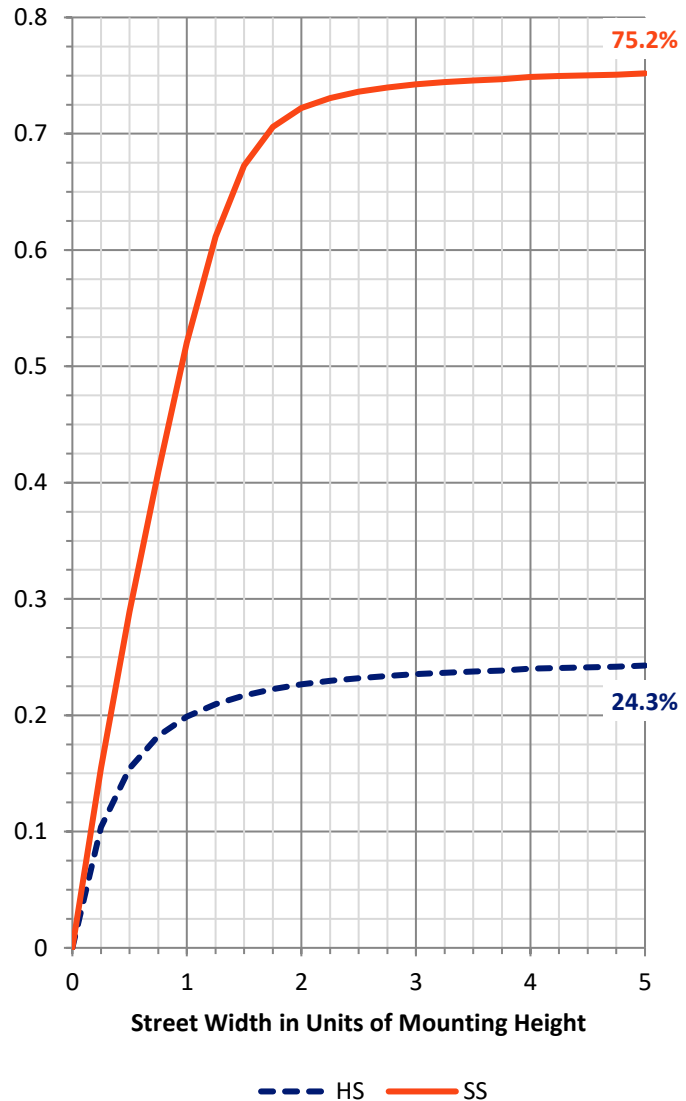
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3353.7	0.0	3353.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	10250.3	0.0	10250.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	13604.0	0.0	13604.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.3	1.4
10°-20°	541.0	4.0
20°-30°	905.1	6.7
30°-40°	1414.0	10.4
40°-50°	2252.0	16.6
50°-60°	3133.9	23.0
60°-70°	3278.2	24.1
70°-80°	1713.4	12.6
80°-90°	177.9	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°	13604.0	100.0
0°-180°	13604.0	100.0

Coefficient of Utilization

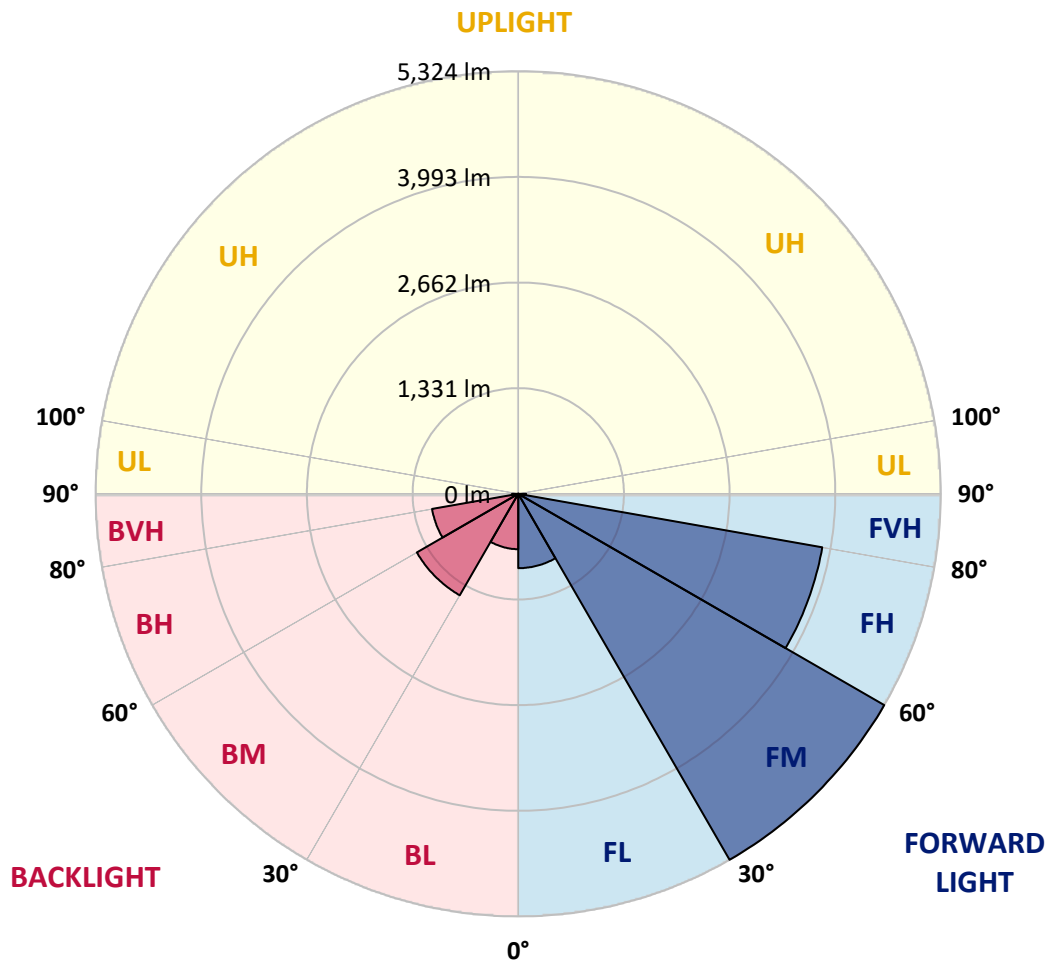


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	936.8	6.9			
FM (30°-60°)	5324.5	39.1			
FH (60°-80°)	3889.4	28.6			G2/5000
FVH (80°-90°)	99.6	0.7			G1/100
BL (0°-30°)	697.7	5.1	B2/1000		
BM (30°-60°)	1475.5	10.8	B2/2500		
BH (60°-80°)	1102.2	8.1	B3/2500		G3/2500
BVH (80°-90°)	78.3	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°	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5
2.5°	2042.2	2053.7	2050.1	2046.5	2046.5	2041.4	2040.7	2033.5	2027.7	2018.3
5°	2068.1	2080.4	2079.0	2081.9	2091.2	2093.4	2095.6	2091.2	2079.7	2068.1
7.5°	2045.0	2058.8	2063.1	2080.4	2109.3	2135.3	2154.8	2162.7	2151.9	2135.3
10°	1967.1	1982.2	1997.4	2038.6	2089.8	2151.2	2203.1	2234.2	2232.0	2216.1
12.5°	1809.0	1824.9	1857.4	1937.5	2031.3	2139.6	2236.3	2301.3	2323.7	2312.1
15°	1682.7	1696.4	1720.9	1803.2	1925.2	2089.8	2248.6	2374.9	2432.0	2425.5
17.5°	1679.1	1684.8	1700.0	1739.0	1832.8	2011.8	2235.6	2447.1	2556.1	2555.4
20°	1742.6	1744.8	1753.4	1761.4	1814.8	1952.6	2202.4	2507.0	2695.4	2695.4
22.5°	1830.7	1829.2	1837.9	1830.7	1856.6	1947.6	2181.5	2559.7	2850.6	2862.2
25°	1962.8	1955.5	1953.4	1936.8	1941.8	1994.5	2204.6	2619.7	3034.7	3058.5
27.5°	2138.9	2127.3	2119.4	2081.1	2068.1	2091.2	2275.3	2691.8	3239.7	3280.9
30°	2368.4	2347.5	2336.0	2269.5	2222.6	2226.2	2382.2	2787.8	3454.1	3520.5
32.5°	2681.7	2649.2	2618.2	2509.2	2423.3	2395.2	2520.0	2920.7	3686.6	3792.7
35°	3032.6	3006.6	2973.4	2805.2	2673.1	2608.1	2706.3	3106.2	3958.7	4126.9
37.5°	3370.4	3348.0	3363.9	3137.2	2966.9	2872.3	2950.3	3355.2	4294.4	4542.7
40°	3719.8	3702.5	3704.6	3488.1	3289.5	3183.4	3246.2	3667.8	4679.1	5037.2
42.5°	4099.5	4086.5	4043.2	3851.2	3628.1	3529.2	3587.0	4028.7	5092.0	5600.2
45°	4524.7	4516.7	4476.3	4256.1	4000.6	3889.4	3967.4	4427.2	5507.1	6130.1
47.5°	4892.1	4898.6	4893.5	4708.0	4443.1	4279.9	4373.1	4843.0	5893.3	6628.2
50°	5068.9	5102.9	5152.7	5094.9	4930.3	4764.3	4782.4	5244.4	6261.5	7095.2
52.5°	4976.5	5040.8	5176.5	5268.9	5332.4	5297.8	5249.4	5642.8	6608.0	7516.8
55°	4632.2	4722.4	4947.7	5170.7	5494.8	5746.8	5810.3	6084.6	6945.8	7887.8
57.5°	4004.9	4151.5	4353.6	4804.7	5350.5	5964.1	6464.3	6697.5	7303.8	8284.1
60°	2929.3	3125.7	3376.9	4048.2	4845.2	5847.8	7020.9	7638.8	7812.8	8797.4
62.5°	1874.7	1996.0	2227.0	2859.3	3775.4	5252.3	7191.2	8815.4	8675.4	9639.1
65°	1283.5	1361.4	1572.9	1928.1	2440.6	3909.6	6735.0	9697.6	10045.5	10973.1
67.5°	932.7	991.8	1172.3	1483.4	1590.3	2313.6	5226.3	9657.1	11377.3	12347.5
70°	680.0	721.9	873.5	1172.3	1223.6	1287.1	3166.1	8209.1	11348.5	12712.8
72.5°	503.9	532.7	634.5	909.6	990.4	869.1	1567.2	5966.2	9751.7	11498.6
75°	364.5	386.2	461.3	695.9	792.6	662.0	781.8	3486.6	6802.1	8088.5
77.5°	278.6	295.2	344.3	509.6	634.5	496.6	485.1	1604.0	3225.3	3241.2
80°	223.8	234.6	261.3	358.8	486.5	371.8	316.2	647.5	1019.3	862.6
82.5°	164.6	182.6	220.9	251.9	347.9	256.3	192.7	327.0	387.6	333.5
85°	93.8	106.1	133.5	180.5	222.3	156.6	110.4	145.1	180.5	148.0
87.5°	33.2	43.3	46.9	70.7	96.7	65.0	42.6	41.9	59.2	44.0
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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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
1994.5	0°	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5	1994.5
2016.2	2.5°	2009.0	2005.3	1990.9	1971.4	1951.2	1931.7	1925.2	1911.5	1902.1	1897.1
2063.1	5°	2049.4	2037.8	2003.9	1960.6	1915.1	1866.0	1831.4	1799.6	1776.5	1754.9
2127.3	7.5°	2107.1	2086.9	2028.4	1952.6	1871.8	1790.2	1729.6	1683.4	1652.4	1632.1
2202.4	10°	2174.3	2143.2	2053.7	1940.4	1815.5	1698.6	1627.1	1587.4	1567.9	1557.1
2288.3	12.5°	2251.5	2207.5	2079.7	1912.2	1729.6	1596.0	1547.0	1535.4	1536.1	1536.9
2396.6	15°	2346.8	2285.4	2100.6	1850.9	1617.7	1517.4	1508.7	1527.5	1547.0	1556.3
2519.3	17.5°	2454.3	2367.7	2104.2	1749.8	1508.0	1466.8	1494.3	1534.7	1564.3	1577.3
2656.5	20°	2569.8	2451.5	2078.3	1606.9	1417.7	1425.7	1474.8	1526.7	1559.2	1575.8
2813.1	22.5°	2701.9	2541.0	2016.2	1456.7	1344.1	1380.9	1438.7	1489.2	1523.1	1539.7
2997.2	25°	2852.8	2641.3	1918.7	1330.4	1280.6	1330.4	1388.1	1430.0	1457.4	1472.6
3202.9	27.5°	3020.3	2746.0	1788.8	1230.1	1225.0	1278.4	1326.1	1358.6	1373.0	1384.5
3421.6	30°	3188.5	2841.3	1631.4	1154.3	1176.6	1227.2	1261.1	1275.5	1279.9	1282.0
3665.6	32.5°	3370.4	2923.6	1466.1	1091.5	1130.4	1177.4	1197.6	1204.1	1183.9	1170.1
3961.6	35°	3590.6	3011.6	1304.4	1041.7	1085.0	1125.4	1131.9	1126.1	1102.3	1074.1
4332.6	37.5°	3862.7	3121.3	1175.2	1006.3	1042.4	1069.1	1061.1	1059.7	1061.9	1028.7
4778.8	40°	4196.2	3264.3	1080.6	978.9	1007.7	1013.5	991.1	1003.4	1014.2	963.7
5268.2	42.5°	4566.5	3436.8	1020.7	960.1	978.9	965.1	930.5	944.2	942.8	876.3
5759.8	45°	4944.1	3624.5	999.8	946.4	952.1	924.7	886.5	890.1	859.7	799.8
6231.1	47.5°	5319.4	3825.9	1012.8	934.8	918.9	887.9	858.3	842.4	797.7	752.9
6683.0	50°	5687.6	4037.4	1060.4	911.7	873.5	855.4	833.8	805.6	758.0	719.7
7110.4	52.5°	6029.0	4250.3	1113.8	873.5	816.4	827.3	813.5	781.1	734.1	695.2
7514.6	55°	6352.4	4463.3	1134.8	820.8	763.0	802.7	794.8	734.9	678.6	646.8
7937.6	57.5°	6704.7	4719.6	1111.7	753.6	719.7	774.6	744.2	677.8	645.3	621.5
8488.4	60°	7192.7	5121.6	1061.9	670.6	678.6	732.7	680.7	653.3	617.9	591.2
9314.2	62.5°	8003.3	5871.7	981.7	588.3	630.2	670.6	650.4	623.0	586.9	560.9
10726.2	65°	9201.6	6914.0	830.9	524.1	576.0	610.0	617.9	590.5	552.9	525.5
11963.5	67.5°	10212.2	7568.0	628.7	470.7	520.5	560.9	583.3	556.6	516.9	490.1
12253.0	70°	10156.7	7093.1	480.0	418.0	471.4	512.5	541.4	520.5	477.9	452.6
11129.7	72.5°	9021.2	5933.7	388.4	364.5	421.6	462.0	496.6	480.8	437.5	412.9
8153.5	75°	6627.5	4212.1	310.4	310.4	359.5	409.3	447.6	437.5	397.7	380.4
3423.1	77.5°	2793.6	1767.1	243.3	257.7	298.9	351.5	399.2	402.8	368.2	389.8
905.2	80°	742.8	487.3	185.5	202.8	234.6	290.2	347.2	345.8	308.2	288.0
336.4	82.5°	283.0	192.0	132.1	142.9	169.6	222.3	275.0	283.7	246.2	213.0
132.1	85°	109.0	82.3	81.6	85.9	98.9	147.3	207.9	215.1	185.5	157.4
36.8	87.5°	28.2	24.5	30.3	28.9	45.5	78.7	119.1	123.4	113.3	65.7
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°
1994.5
1902.8
1763.5
1636.5
1560.0
1538.3
1555.6
1580.2
1580.2
1544.1
1476.9
1388.9
1287.1
1174.5
1075.6
1030.8
965.1
875.6
802.0
752.9
716.8
695.9
643.9
619.4
589.8
560.9
527.0
490.9
454.8
412.9
375.4
353.7
267.8
213.0
162.4
93.8
0.0

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