

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: P852479

Luminaire Tested: **GLAN-SB4A-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852479
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-SB4A-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15257 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

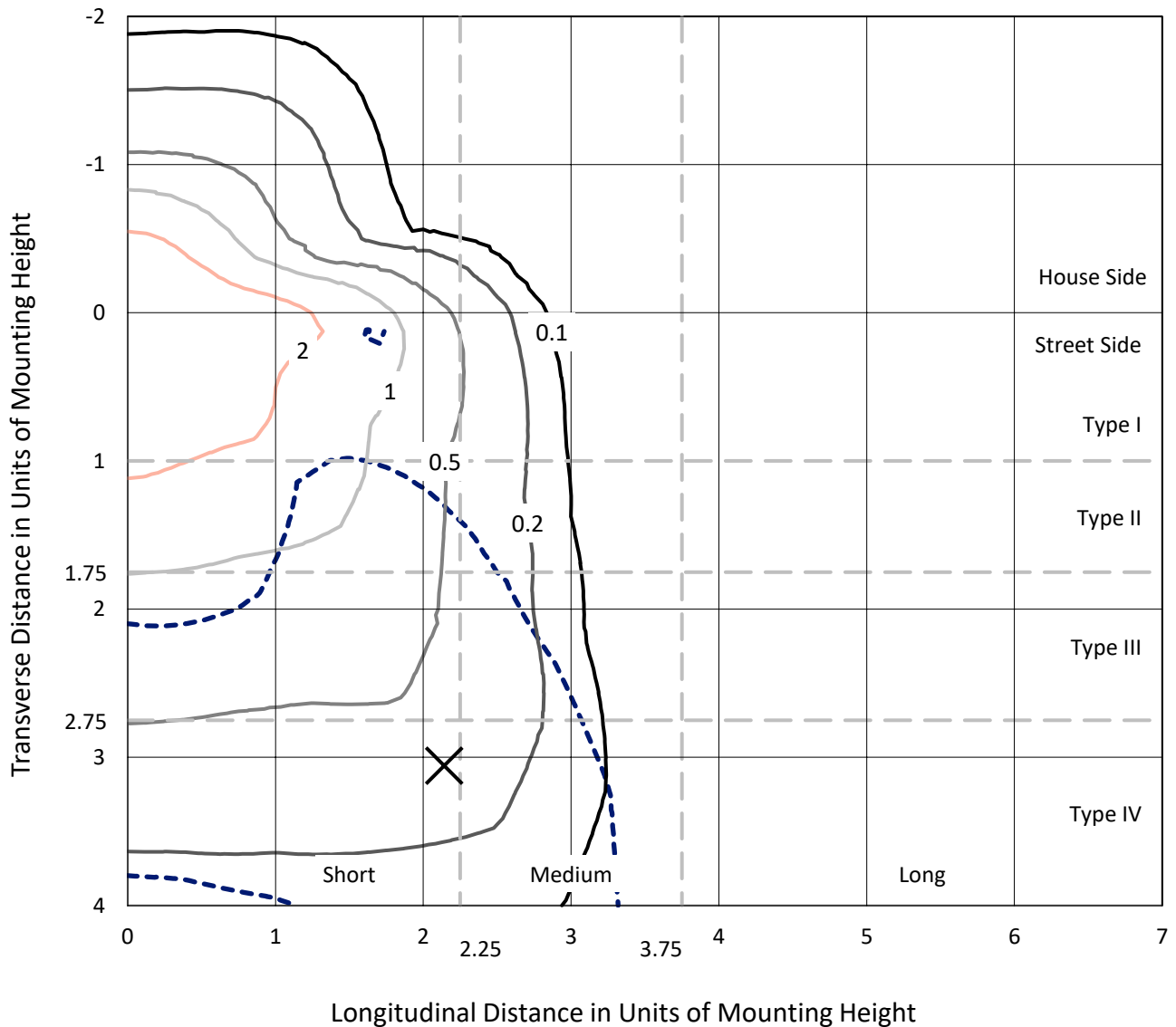
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

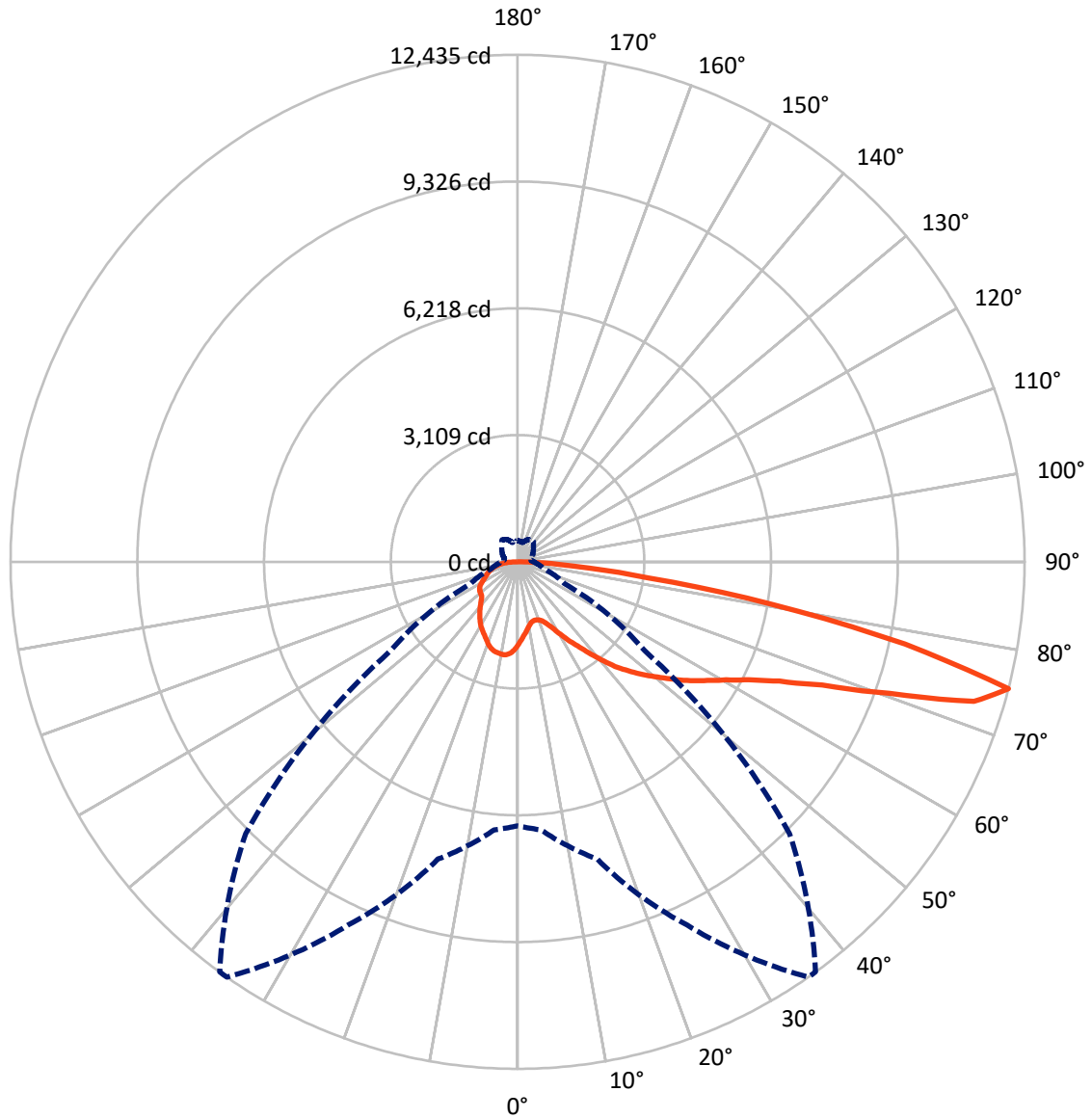
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type IV - Short - N/A

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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	3630.8	0.0	3630.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	11626.2	0.0	11626.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	15257.0	0.0	15257.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.5	1.3
10°-20°	555.2	3.6
20°-30°	932.4	6.1
30°-40°	1449.1	9.5
40°-50°	2150.8	14.1
50°-60°	2969.3	19.5
60°-70°	3602.4	23.6
70°-80°	2977.1	19.5
80°-90°	428.2	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°	15257.0	100.0
0°-180°	15257.0	100.0

Coefficient of Utilization



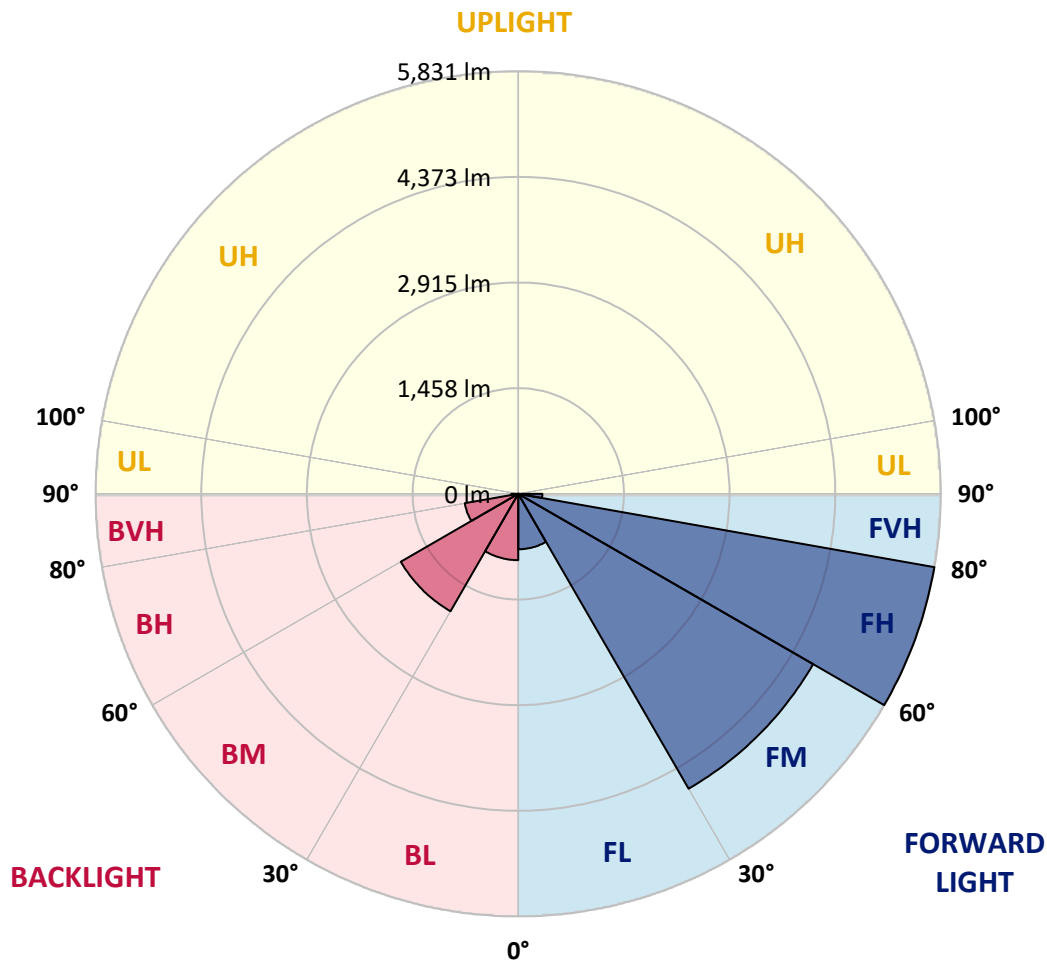
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	765.1	5.0			
FM (30°-60°)	4698.3	30.8			
FH (60°-80°)	5831.0	38.2			G3/7500
FVH (80°-90°)	331.8	2.2			G3/500
BL (0°-30°)	915.0	6.0	B2/1000		
BM (30°-60°)	1870.8	12.3	B2/2500		
BH (60°-80°)	748.6	4.9	B2/1000		G2/1000
BVH (80°-90°)	96.4	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2033.1	2033.1	2033.1	2033.1	2033.1	2033.1	2033.1	2033.1	2033.1	2033.1
2.5°	1874.7	1886.3	1891.2	1888.8	1901.1	1899.5	1916.8	1938.2	1967.9	1996.8
5°	1730.4	1742.8	1753.5	1763.4	1787.3	1794.7	1822.0	1863.2	1917.6	1972.9
7.5°	1596.0	1606.7	1623.2	1641.3	1681.7	1689.2	1734.5	1798.9	1874.7	1955.6
10°	1486.3	1497.0	1514.3	1534.9	1585.2	1594.3	1652.0	1737.8	1836.8	1939.1
12.5°	1439.3	1442.6	1452.4	1473.1	1516.8	1522.6	1586.1	1684.2	1799.7	1926.7
15°	1436.8	1443.4	1444.2	1454.9	1491.2	1493.7	1552.2	1649.6	1776.6	1924.2
17.5°	1461.5	1466.5	1459.0	1465.6	1496.2	1500.3	1546.5	1633.1	1769.2	1934.9
20°	1527.5	1531.6	1509.4	1500.3	1522.6	1525.9	1571.2	1643.8	1776.6	1957.2
22.5°	1667.7	1670.2	1615.8	1578.6	1580.3	1581.9	1621.5	1687.5	1805.5	1997.6
25°	1886.3	1884.6	1798.0	1726.3	1685.0	1676.0	1702.4	1758.4	1854.1	2051.2
27.5°	2142.0	2129.6	2043.0	1935.8	1845.9	1832.7	1826.9	1850.8	1923.4	2122.2
30°	2430.6	2419.1	2325.9	2185.7	2061.1	2039.7	1985.3	1972.9	2026.5	2218.7
32.5°	2747.4	2739.9	2628.6	2458.7	2292.1	2267.3	2175.8	2142.8	2184.9	2364.7
35°	3012.9	3006.3	2914.0	2739.1	2535.4	2504.9	2411.7	2374.6	2396.0	2551.9
37.5°	3253.0	3249.7	3170.5	3032.7	2822.4	2785.3	2680.6	2668.2	2664.1	2798.5
40°	3475.6	3467.4	3384.9	3312.3	3156.5	3122.6	3030.3	3019.5	2988.2	3102.0
42.5°	3722.3	3700.8	3581.2	3547.4	3505.3	3477.3	3422.0	3423.7	3354.4	3444.3
45°	3923.5	3911.1	3788.2	3768.4	3813.8	3802.3	3850.1	3862.5	3728.0	3803.1
47.5°	4139.6	4128.1	4024.1	4010.1	4133.0	4136.3	4305.4	4309.5	4092.6	4175.9
50°	4406.0	4389.5	4286.4	4303.7	4441.5	4453.8	4763.1	4735.1	4428.3	4554.5
52.5°	4581.7	4591.6	4569.3	4597.4	4785.4	4797.0	5213.5	5141.7	4760.7	4928.1
55°	4711.2	4731.0	4800.3	4864.6	5148.3	5159.9	5638.2	5528.5	5036.1	5274.5
57.5°	4877.8	4849.7	4979.2	5104.6	5493.1	5523.6	6051.5	5901.3	5280.3	5573.1
60°	5117.0	5097.2	5197.8	5383.4	5879.1	5927.7	6488.6	6237.0	5459.3	5809.8
62.5°	5601.9	5552.5	5568.1	5732.3	6365.7	6430.0	6981.8	6529.8	5548.3	5902.2
65°	6326.9	6242.0	6162.8	6276.6	7051.1	7114.6	7538.5	6759.9	5515.3	5723.2
67.5°	7240.0	7155.8	7058.5	7165.7	8060.6	8110.9	8225.6	6889.4	5255.5	5033.7
70°	7993.0	7961.7	8078.0	8519.2	9673.1	9674.7	9106.5	6782.2	4543.7	3568.9
72.5°	7893.2	7874.2	8487.1	9851.2	11705.4	11661.7	9940.3	5970.6	3060.8	1610.0
75°	6475.4	6598.3	7547.6	9827.3	12435.3	12429.5	9429.8	3795.7	1266.0	667.3
77.5°	3472.4	3667.0	4900.1	7255.6	9707.7	9853.7	6629.6	1327.9	543.5	427.2
80°	1132.4	1302.3	1953.1	3694.2	6308.0	6280.7	2841.4	521.3	372.0	302.7
82.5°	480.9	500.6	872.6	1744.4	3237.3	3187.0	904.8	299.4	261.5	207.0
85°	188.1	210.3	385.2	806.6	1402.1	1371.6	326.6	148.5	167.4	135.3
87.5°	61.9	75.1	137.7	276.3	436.3	420.6	80.0	51.1	72.6	61.9
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°
2033.1	0°	2033.1	2033.1	2033.1	2033.1	2033.1	2033.1	2033.1	2033.1	2033.1	2033.1
2038.9	2.5°	2050.4	2063.6	2079.3	2102.4	2122.2	2138.7	2156.0	2166.7	2170.8	2183.2
2042.2	5°	2065.3	2094.1	2132.9	2170.8	2208.0	2230.2	2250.0	2259.9	2269.0	2275.6
2051.2	7.5°	2090.0	2127.1	2188.2	2237.6	2269.0	2287.1	2300.3	2297.0	2300.3	2302.0
2061.1	10°	2111.5	2163.4	2236.0	2283.0	2306.9	2307.8	2304.5	2292.9	2287.1	2288.0
2076.0	12.5°	2137.0	2194.8	2273.1	2312.7	2319.3	2301.2	2287.1	2267.3	2259.9	2256.6
2098.3	15°	2171.7	2237.6	2313.5	2328.4	2311.9	2288.8	2264.9	2232.7	2216.2	2203.0
2136.2	17.5°	2213.7	2286.3	2344.9	2334.1	2298.7	2260.7	2222.0	2173.3	2139.5	2125.5
2188.2	20°	2272.3	2337.4	2368.8	2321.8	2268.2	2210.4	2144.4	2085.1	2053.7	2039.7
2254.1	22.5°	2343.2	2405.9	2391.9	2300.3	2224.4	2132.1	2049.6	2005.9	1990.2	1980.3
2339.1	25°	2428.2	2481.8	2408.4	2269.0	2152.7	2028.1	1964.6	1950.6	1943.2	1935.8
2443.0	27.5°	2538.7	2567.6	2420.7	2222.8	2040.5	1917.6	1894.5	1897.0	1894.5	1882.2
2587.4	30°	2684.7	2678.9	2432.3	2147.7	1911.9	1817.8	1819.5	1830.2	1831.9	1823.6
2788.6	32.5°	2876.9	2818.3	2438.1	2050.4	1789.0	1730.4	1732.1	1743.6	1751.8	1737.8
3051.7	35°	3109.4	2980.8	2429.0	1928.4	1694.1	1647.1	1634.7	1638.0	1640.5	1627.3
3370.9	37.5°	3380.8	3163.1	2388.6	1793.1	1615.8	1565.4	1539.1	1516.8	1503.6	1491.2
3732.2	40°	3678.5	3361.8	2314.4	1661.1	1528.3	1478.8	1439.3	1397.2	1352.6	1336.2
4114.9	42.5°	3990.3	3566.4	2224.4	1534.9	1427.7	1387.3	1345.2	1284.2	1217.4	1183.6
4512.4	45°	4313.6	3775.9	2136.2	1410.4	1324.6	1307.3	1258.6	1185.2	1112.6	1069.7
4910.8	47.5°	4630.4	3973.8	2006.7	1285.0	1228.1	1247.1	1209.1	1141.5	1060.7	993.0
5305.9	50°	4933.0	4159.4	1794.7	1158.0	1149.8	1228.9	1192.6	1095.3	1002.9	916.3
5693.5	52.5°	5233.3	4309.5	1523.4	1042.5	1107.7	1224.0	1171.2	1064.0	951.0	860.3
6058.1	55°	5488.1	4387.0	1261.9	943.6	1046.7	1181.9	1145.6	1026.9	877.6	781.1
6308.0	57.5°	5633.3	4324.4	1044.2	846.2	962.5	1112.6	1101.9	947.7	790.1	715.9
6356.6	60°	5570.6	4070.3	866.0	761.3	882.5	1037.6	1026.0	869.3	723.3	653.2
6096.0	62.5°	5225.0	3586.2	725.0	687.0	809.9	960.9	950.2	809.1	672.2	604.6
5404.0	65°	4528.9	2917.3	615.3	625.2	736.5	868.5	884.2	758.8	631.8	565.8
4180.8	67.5°	3454.2	2113.1	529.5	571.6	664.8	777.8	823.1	722.5	598.0	535.3
2419.1	70°	1968.8	1200.1	456.9	519.6	601.3	693.6	776.1	693.6	561.7	509.7
906.4	72.5°	746.4	551.0	395.1	467.7	540.2	622.7	724.2	648.3	519.6	480.9
468.5	75°	398.4	335.7	332.4	406.6	470.1	553.4	659.0	603.7	488.3	508.1
324.1	77.5°	271.4	237.5	278.0	348.1	393.4	476.7	589.7	536.1	423.1	421.5
224.3	80°	188.1	168.3	226.0	280.4	304.3	400.8	514.7	460.2	344.8	321.7
138.6	82.5°	113.0	109.7	169.1	209.5	215.3	309.3	426.4	386.0	282.1	245.8
82.5	85°	61.9	65.2	108.0	122.9	125.4	216.1	334.0	298.6	216.9	182.3
29.7	87.5°	17.3	22.3	39.6	48.7	60.2	112.2	198.8	177.3	108.9	75.9
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°
2033.1
2182.4
2277.2
2304.5
2289.6
2255.0
2207.1
2126.3
2038.0
1982.0
1935.8
1884.6
1827.7
1744.4
1636.4
1499.5
1343.6
1187.7
1066.4
985.6
908.9
850.4
772.8
706.0
643.3
593.8
555.1
525.4
503.1
474.3
524.6
388.5
307.6
247.4
183.9
75.9
0.0

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