

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: P847826

Luminaire Tested: **GLAN-SB4A-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847826
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-SB4A-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14749 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

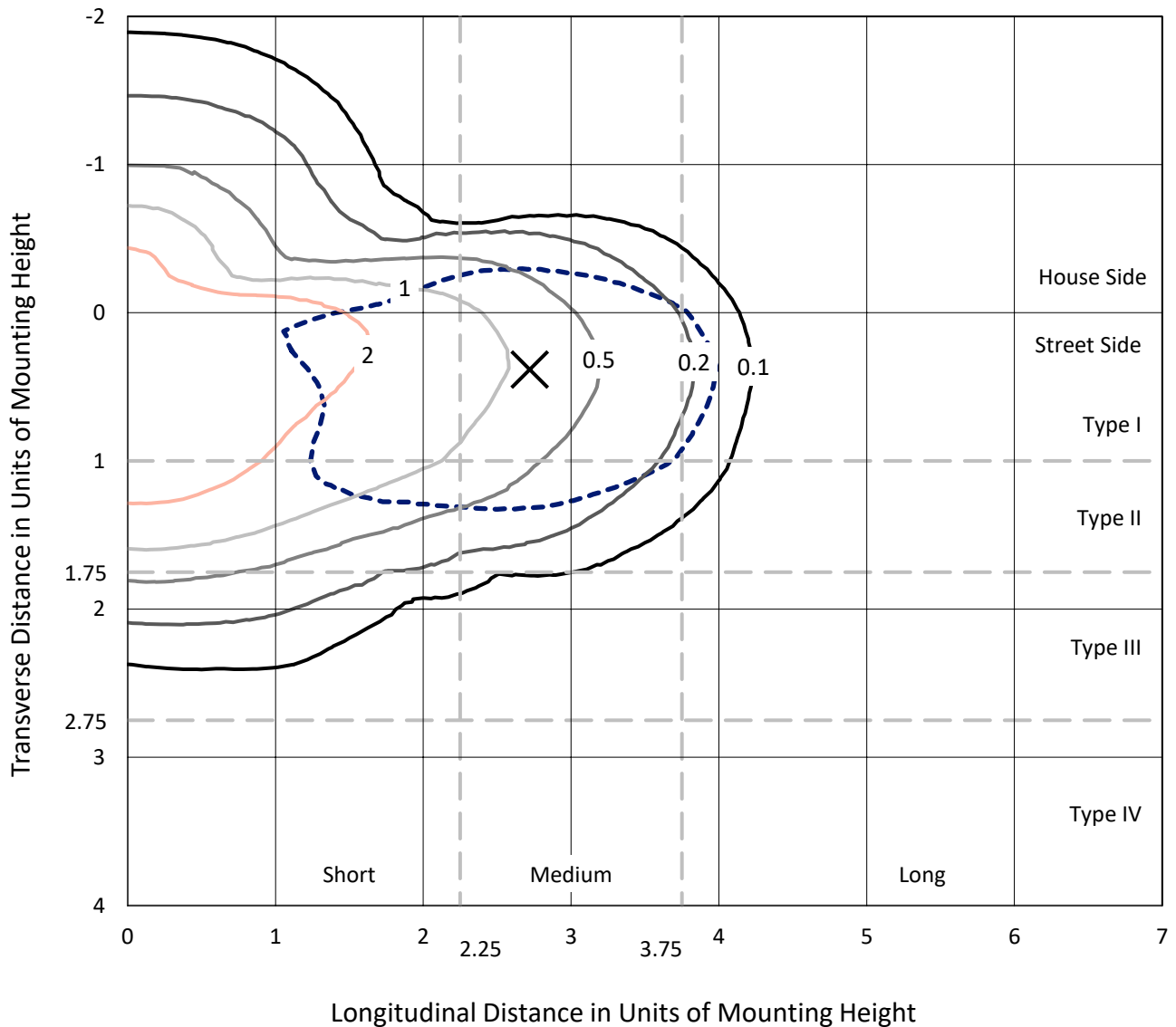
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

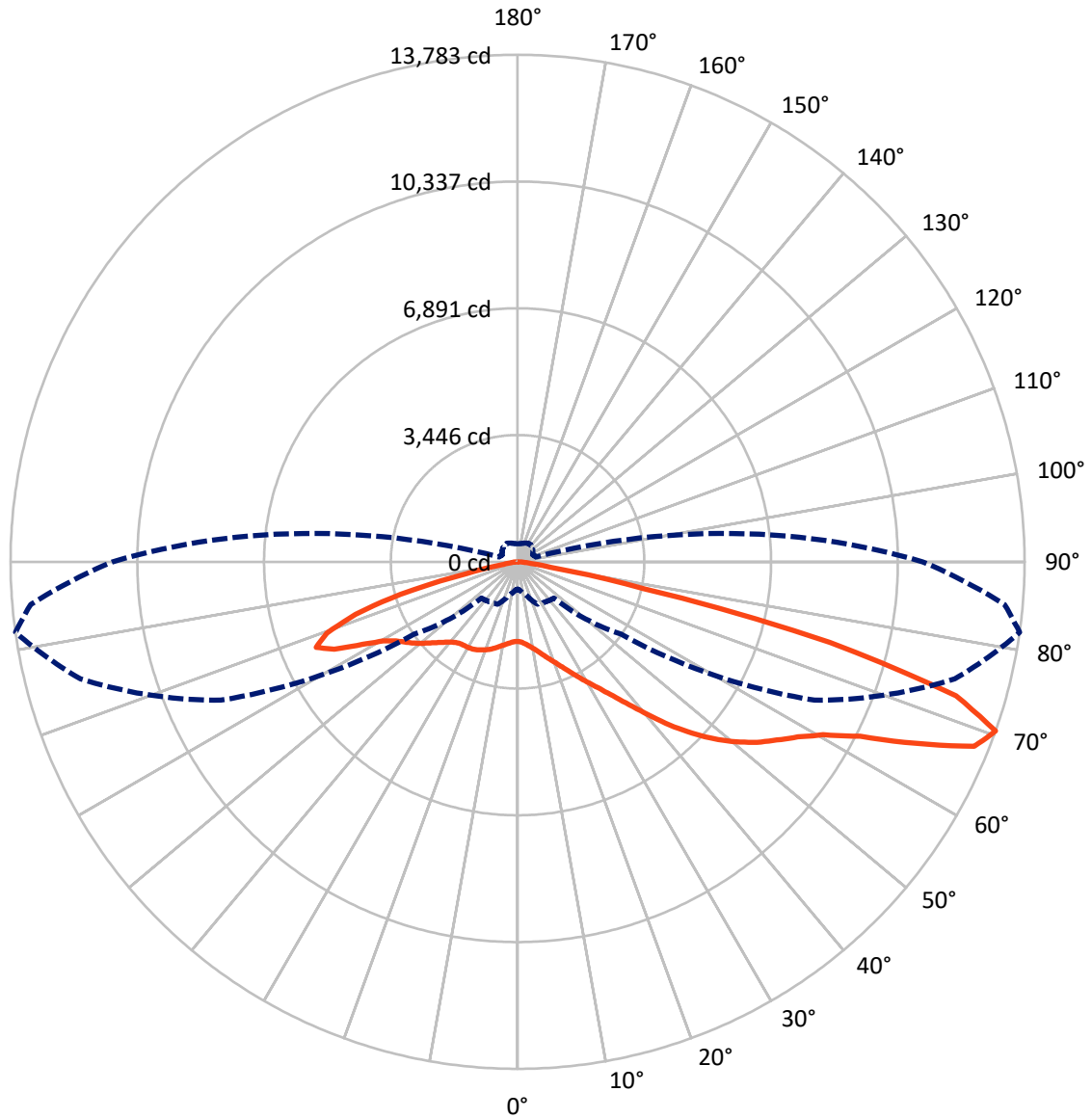
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 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	3636.0	0.0	3636.0
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	11113.0	0.0	11113.0
	% Fixture	75.3	0.0	75.3
Total	Lumens	14749.0	0.0	14749.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.2	1.4
10°-20°	586.6	4.0
20°-30°	981.3	6.7
30°-40°	1533.0	10.4
40°-50°	2441.5	16.6
50°-60°	3397.7	23.0
60°-70°	3554.2	24.1
70°-80°	1857.6	12.6
80°-90°	192.9	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°	14749.0	100.0
0°-180°	14749.0	100.0

Coefficient of Utilization

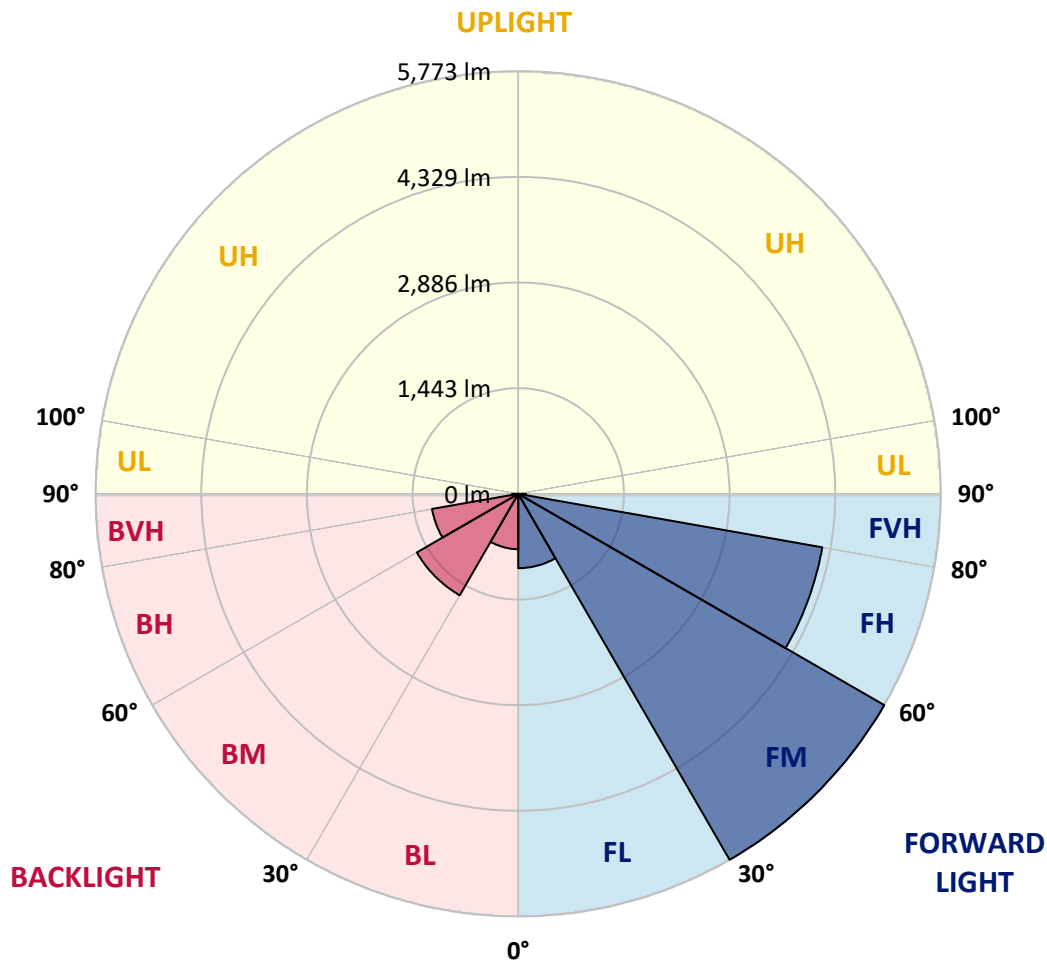


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1015.6	6.9			
FM (30°-60°)	5772.6	39.1			
FH (60°-80°)	4216.8	28.6			G2/5000
FVH (80°-90°)	108.0	0.7			G2/225
BL (0°-30°)	756.4	5.1	B2/1000		
BM (30°-60°)	1599.7	10.8	B2/2500		
BH (60°-80°)	1195.0	8.1	B3/2500		G3/2500
BVH (80°-90°)	84.9	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°	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4
2.5°	2214.0	2226.6	2222.6	2218.7	2218.7	2213.3	2212.5	2204.6	2198.4	2188.2
5°	2242.2	2255.5	2254.0	2257.1	2267.3	2269.6	2272.0	2267.3	2254.7	2242.2
7.5°	2217.2	2232.0	2236.7	2255.5	2286.8	2315.0	2336.1	2344.7	2333.0	2315.0
10°	2132.6	2149.1	2165.5	2210.1	2265.7	2332.2	2388.6	2422.2	2419.9	2402.7
12.5°	1961.3	1978.5	2013.7	2100.6	2202.3	2319.7	2424.6	2495.0	2519.3	2506.7
15°	1824.3	1839.2	1865.8	1955.0	2087.3	2265.7	2437.9	2574.8	2636.7	2629.6
17.5°	1820.4	1826.6	1843.1	1885.3	1987.1	2181.2	2423.8	2653.1	2771.3	2770.5
20°	1889.3	1891.6	1901.0	1909.6	1967.5	2117.0	2387.8	2718.1	2922.3	2922.3
22.5°	1984.7	1983.2	1992.6	1984.7	2012.9	2111.5	2365.1	2775.2	3090.6	3103.1
25°	2128.0	2120.1	2117.8	2099.8	2105.3	2162.4	2390.1	2840.1	3290.1	3316.0
27.5°	2318.9	2306.4	2297.8	2256.3	2242.2	2267.3	2466.8	2918.4	3512.4	3557.0
30°	2567.8	2545.1	2532.6	2460.6	2409.7	2413.6	2582.7	3022.5	3744.9	3816.9
32.5°	2907.4	2872.2	2838.6	2720.4	2627.3	2596.7	2732.1	3166.5	3996.9	4111.9
35°	3287.8	3259.6	3223.6	3041.3	2898.1	2827.6	2934.1	3367.6	4291.9	4474.3
37.5°	3654.1	3629.8	3647.0	3401.3	3216.6	3114.1	3198.6	3637.6	4655.8	4925.0
40°	4032.9	4014.1	4016.4	3781.6	3566.4	3451.4	3519.5	3976.5	5073.0	5461.1
42.5°	4444.5	4430.4	4383.5	4175.3	3933.5	3826.2	3888.9	4367.8	5520.6	6071.6
45°	4905.5	4896.9	4853.0	4614.3	4337.3	4216.8	4301.3	4799.8	5970.6	6646.0
47.5°	5303.8	5310.9	5305.4	5104.3	4817.0	4640.2	4741.1	5250.6	6389.3	7186.0
50°	5495.6	5532.4	5586.4	5523.8	5345.3	5165.3	5184.9	5685.8	6788.5	7692.4
52.5°	5395.4	5465.1	5612.2	5712.4	5781.2	5743.7	5691.2	6117.8	7164.1	8149.5
55°	5022.1	5119.9	5364.1	5605.9	5957.3	6230.5	6299.3	6596.7	7530.4	8551.7
57.5°	4342.0	4500.9	4720.0	5209.1	5800.8	6466.0	7008.4	7261.2	7918.6	8981.4
60°	3175.9	3388.8	3661.1	4389.0	5253.0	6340.0	7611.8	8281.7	8470.3	9537.8
62.5°	2032.5	2164.0	2414.4	3100.0	4093.1	5694.4	7796.5	9557.4	9405.6	10450.4
65°	1391.5	1476.0	1705.3	2090.4	2646.0	4238.7	7301.9	10513.8	10891.0	11896.7
67.5°	1011.1	1075.3	1271.0	1608.3	1724.1	2508.3	5666.2	10469.9	12334.9	13386.8
70°	737.2	782.6	947.0	1271.0	1326.5	1395.4	3432.6	8900.0	12303.6	13782.8
72.5°	546.3	577.6	687.9	986.1	1073.8	942.3	1699.1	6468.4	10572.5	12466.4
75°	395.2	418.7	500.1	754.4	859.3	717.7	847.6	3780.1	7374.7	8769.3
77.5°	302.1	320.1	373.3	552.5	687.9	538.4	525.9	1739.0	3496.8	3514.0
80°	242.6	254.4	283.3	389.0	527.5	403.1	342.8	702.0	1105.1	935.2
82.5°	178.4	198.0	239.5	273.1	377.2	277.8	209.0	354.5	420.3	361.6
85°	101.7	115.0	144.8	195.7	241.0	169.8	119.7	157.3	195.7	160.4
87.5°	36.0	47.0	50.9	76.7	104.9	70.4	46.2	45.4	64.2	47.7
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°
2162.4	0°	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4	2162.4
2185.9	2.5°	2178.0	2174.1	2158.5	2137.3	2115.4	2094.3	2087.3	2072.4	2062.2	2056.7
2236.7	5°	2221.9	2209.3	2172.6	2125.6	2076.3	2023.1	1985.5	1951.1	1926.0	1902.6
2306.4	7.5°	2284.5	2262.6	2199.2	2117.0	2029.3	1940.9	1875.2	1825.1	1791.4	1769.5
2387.8	10°	2357.3	2323.6	2226.6	2103.7	1968.3	1841.5	1764.0	1721.0	1699.9	1688.1
2480.9	12.5°	2441.0	2393.3	2254.7	2073.2	1875.2	1730.4	1677.2	1664.6	1665.4	1666.2
2598.3	15°	2544.3	2477.8	2277.4	2006.6	1753.9	1645.1	1635.7	1656.0	1677.2	1687.3
2731.4	17.5°	2660.9	2567.0	2281.3	1897.1	1634.9	1590.3	1620.0	1663.9	1695.9	1710.0
2880.1	20°	2786.1	2657.8	2253.2	1742.1	1537.1	1545.7	1598.9	1655.2	1690.5	1708.5
3049.9	22.5°	2929.4	2754.8	2185.9	1579.3	1457.2	1497.2	1559.8	1614.6	1651.3	1669.3
3249.5	25°	3092.9	2863.6	2080.2	1442.4	1388.4	1442.4	1505.0	1550.4	1580.1	1596.6
3472.5	27.5°	3274.5	2977.1	1939.3	1333.6	1328.1	1386.0	1437.7	1472.9	1488.5	1501.1
3709.6	30°	3456.8	3080.4	1768.7	1251.4	1275.7	1330.5	1367.2	1382.9	1387.6	1389.9
3974.2	32.5°	3654.1	3169.6	1589.5	1183.3	1225.6	1276.5	1298.4	1305.4	1283.5	1268.6
4295.0	35°	3892.8	3265.1	1414.2	1129.3	1176.3	1220.1	1227.2	1220.9	1195.1	1164.5
4697.3	37.5°	4187.8	3384.1	1274.1	1091.0	1130.1	1159.1	1150.5	1148.9	1151.2	1115.2
5181.0	40°	4549.4	3539.0	1171.6	1061.2	1092.5	1098.8	1074.5	1087.8	1099.6	1044.8
5711.6	42.5°	4950.9	3726.1	1106.6	1040.9	1061.2	1046.4	1008.8	1023.7	1022.1	950.1
6244.6	45°	5360.2	3929.6	1083.9	1026.0	1032.3	1002.5	961.1	965.0	932.1	867.1
6755.6	47.5°	5767.2	4147.9	1098.0	1013.5	996.3	962.6	930.5	913.3	864.8	816.3
7245.5	50°	6166.3	4377.2	1149.7	988.5	947.0	927.4	903.9	873.4	821.8	780.3
7708.8	52.5°	6536.5	4608.1	1207.6	947.0	885.1	896.9	882.0	846.8	795.9	753.7
8147.1	55°	6887.1	4839.0	1230.3	889.8	827.2	870.3	861.7	796.7	735.7	701.2
8605.7	57.5°	7269.0	5116.8	1205.2	817.1	780.3	839.8	806.9	734.9	699.7	673.8
9202.9	60°	7798.1	5552.7	1151.2	727.1	735.7	794.4	738.0	708.3	669.9	641.0
10098.2	62.5°	8676.9	6365.9	1064.4	637.8	683.2	727.1	705.1	675.4	636.3	608.1
11629.0	65°	9976.1	7496.0	900.8	568.2	624.5	661.3	669.9	640.2	599.5	569.7
12970.4	67.5°	11071.8	8205.0	681.7	510.3	564.3	608.1	632.4	603.4	560.4	531.4
13284.2	70°	11011.5	7690.1	520.4	453.1	511.1	555.7	587.0	564.3	518.1	490.7
12066.5	72.5°	9780.4	6433.2	421.1	395.2	457.1	500.9	538.4	521.2	474.3	447.7
8839.7	75°	7185.3	4566.6	336.5	336.5	389.7	443.7	485.2	474.3	431.2	412.4
3711.2	77.5°	3028.8	1915.9	263.7	279.4	324.0	381.1	432.8	436.7	399.1	422.6
981.4	80°	805.3	528.3	201.1	219.9	254.4	314.6	376.4	374.9	334.2	312.3
364.7	82.5°	306.8	208.2	143.2	155.0	183.9	241.0	298.2	307.6	266.9	230.9
143.2	85°	118.2	89.2	88.4	93.1	107.2	159.7	225.4	233.2	201.1	170.6
39.9	87.5°	30.5	26.6	32.9	31.3	49.3	85.3	129.1	133.8	122.9	71.2
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°
2162.4
2063.0
1911.9
1774.2
1691.2
1667.8
1686.6
1713.2
1713.2
1674.0
1601.2
1505.8
1395.4
1273.3
1166.1
1117.6
1046.4
949.3
869.5
816.3
777.1
754.4
698.1
671.5
639.4
608.1
571.3
532.2
493.1
447.7
407.0
383.5
290.4
230.9
176.1
101.7
0.0

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