

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: P852477

Luminaire Tested: **GLAN-SB4A-840-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852477
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-840-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15802 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

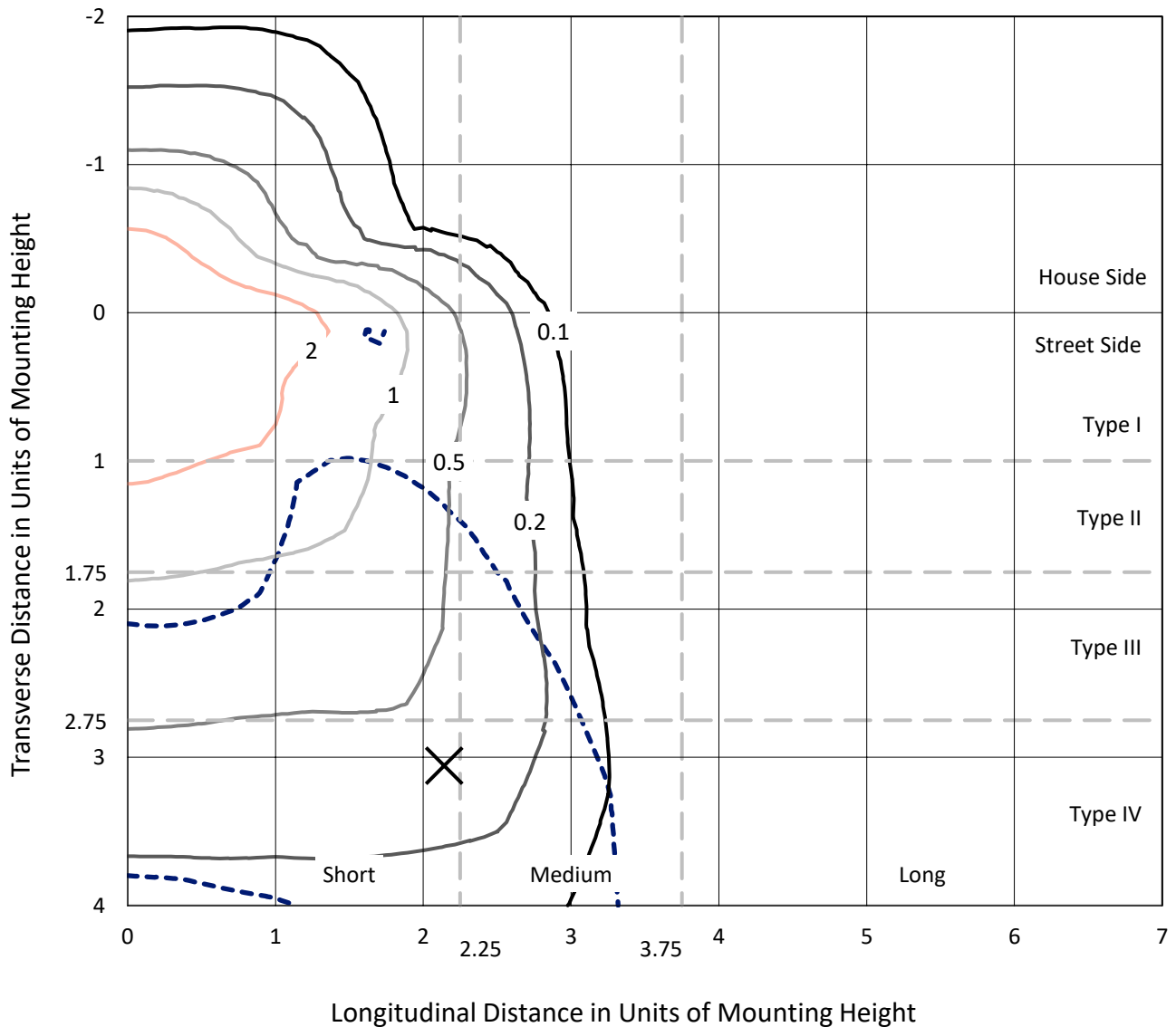
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

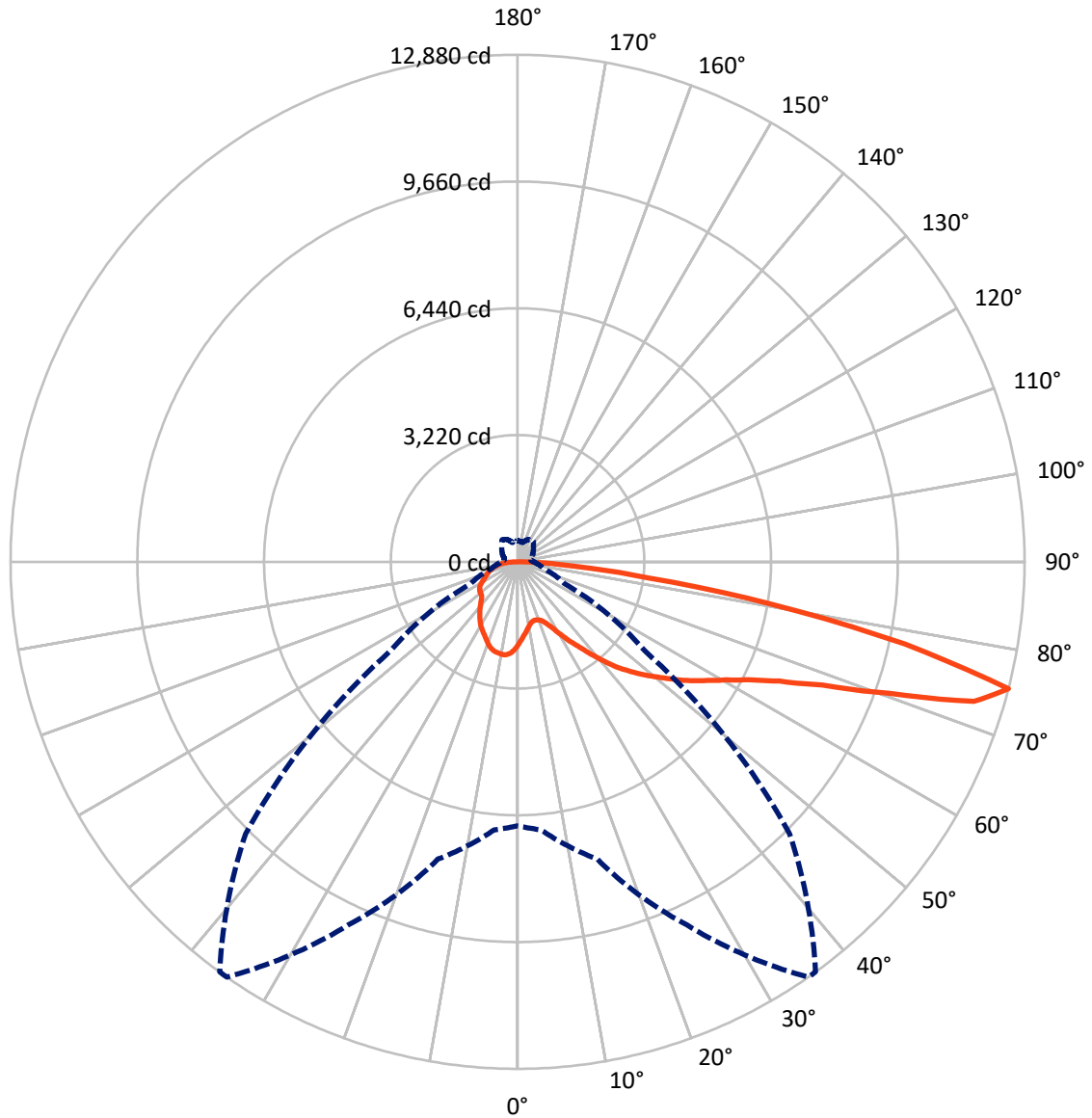
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 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	3760.5	0.0	3760.5
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	12041.5	0.0	12041.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	15802.0	0.0	15802.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.4	1.3
10°-20°	575.1	3.6
20°-30°	965.7	6.1
30°-40°	1500.8	9.5
40°-50°	2227.6	14.1
50°-60°	3075.4	19.5
60°-70°	3731.1	23.6
70°-80°	3083.5	19.5
80°-90°	443.5	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°	15802.0	100.0
0°-180°	15802.0	100.0

Coefficient of Utilization



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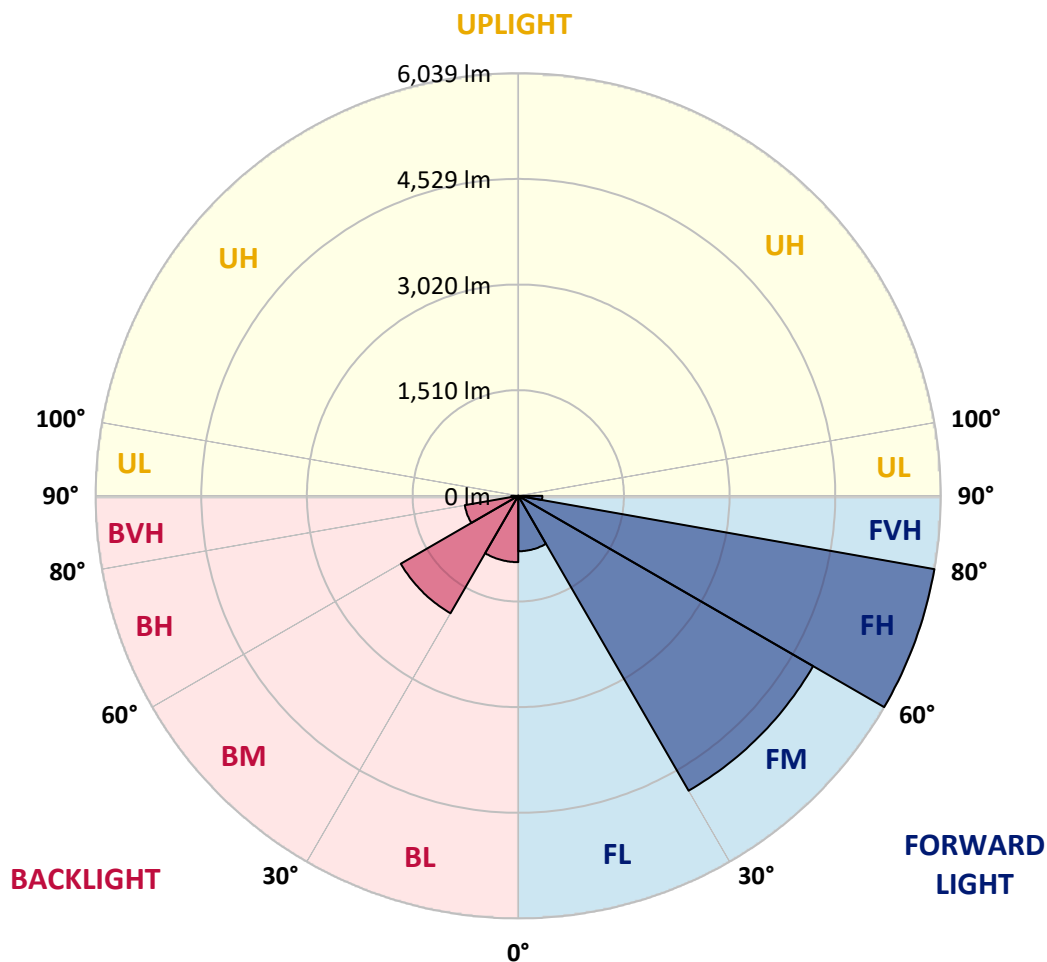
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	792.4	5.0			
FM (30°-60°)	4866.2	30.8			
FH (60°-80°)	6039.3	38.2			G3/7500
FVH (80°-90°)	343.6	2.2			G3/500
BL (0°-30°)	947.7	6.0	B2/1000		
BM (30°-60°)	1937.6	12.3	B2/2500		
BH (60°-80°)	775.3	4.9	B2/1000		G2/1000
BVH (80°-90°)	99.9	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2105.7	2105.7	2105.7	2105.7	2105.7	2105.7	2105.7	2105.7	2105.7	2105.7
2.5°	1941.7	1953.7	1958.8	1956.2	1969.0	1967.3	1985.3	2007.5	2038.2	2068.1
5°	1792.2	1805.0	1816.1	1826.4	1851.2	1858.8	1887.0	1929.7	1986.1	2043.4
7.5°	1653.0	1664.1	1681.2	1700.0	1741.8	1749.5	1796.5	1863.1	1941.7	2025.4
10°	1539.4	1550.5	1568.4	1589.8	1641.9	1651.3	1711.1	1799.9	1902.4	2008.3
12.5°	1490.7	1494.1	1504.3	1525.7	1571.0	1576.9	1642.7	1744.4	1864.0	1995.5
15°	1488.1	1494.9	1495.8	1506.9	1544.5	1547.0	1607.7	1708.5	1840.1	1993.0
17.5°	1513.7	1518.9	1511.2	1518.0	1549.6	1553.9	1601.7	1691.4	1832.4	2004.1
20°	1582.1	1586.3	1563.3	1553.9	1576.9	1580.4	1627.3	1702.5	1840.1	2027.1
22.5°	1727.3	1729.9	1673.5	1635.0	1636.7	1638.4	1679.5	1747.8	1870.0	2069.0
25°	1953.7	1952.0	1862.3	1787.9	1745.2	1735.8	1763.2	1821.3	1920.4	2124.5
27.5°	2218.5	2205.7	2116.0	2004.9	1911.8	1898.1	1892.2	1916.9	1992.1	2198.0
30°	2517.5	2505.5	2409.0	2263.8	2134.8	2112.6	2056.2	2043.4	2098.9	2297.9
32.5°	2845.5	2837.8	2722.5	2546.5	2374.0	2348.3	2253.5	2219.3	2262.9	2449.1
35°	3120.6	3113.7	3018.1	2837.0	2626.0	2594.4	2497.8	2459.4	2481.6	2643.0
37.5°	3369.2	3365.7	3283.7	3141.1	2923.2	2884.8	2776.3	2763.5	2759.2	2898.5
40°	3599.8	3591.3	3505.8	3430.7	3269.2	3234.2	3138.5	3127.4	3094.9	3212.8
42.5°	3855.2	3833.0	3709.1	3674.1	3630.6	3601.5	3544.3	3546.0	3474.2	3567.3
45°	4063.7	4050.8	3923.6	3903.1	3950.0	3938.1	3987.6	4000.4	3861.2	3938.9
47.5°	4287.5	4275.5	4167.9	4153.4	4280.6	4284.1	4459.2	4463.5	4238.8	4325.1
50°	4563.4	4546.3	4439.5	4457.5	4600.1	4612.9	4933.3	4904.2	4586.5	4717.2
52.5°	4745.4	4755.6	4732.5	4761.6	4956.4	4968.3	5399.7	5325.4	4930.7	5104.1
55°	4879.5	4900.0	4971.7	5038.4	5332.2	5344.2	5839.6	5726.0	5216.0	5462.9
57.5°	5052.0	5023.0	5157.1	5286.9	5689.3	5720.9	6267.6	6112.2	5468.9	5772.2
60°	5299.8	5279.3	5383.5	5575.7	6089.1	6139.5	6720.4	6459.8	5654.3	6017.3
62.5°	5802.1	5750.8	5767.0	5937.0	6593.1	6659.7	7231.2	6763.1	5746.5	6113.0
65°	6552.9	6465.0	6382.9	6500.8	7303.0	7368.8	7807.8	7001.4	5712.4	5927.6
67.5°	7498.6	7411.5	7310.7	7421.7	8348.6	8400.7	8519.4	7135.5	5443.3	5213.5
70°	8278.5	8246.1	8366.5	8823.5	10018.6	10020.3	9431.8	7024.5	4706.1	3696.3
72.5°	8175.2	8155.5	8790.2	10203.1	12123.5	12078.2	10295.4	6183.9	3170.1	1667.5
75°	6706.7	6834.0	7817.2	10178.4	12879.5	12873.5	9766.6	3931.3	1311.3	691.1
77.5°	3596.4	3798.0	5075.1	7514.8	10054.5	10205.7	6866.5	1375.3	562.9	442.5
80°	1172.9	1348.9	2022.9	3826.2	6533.3	6505.1	2942.9	539.9	385.3	313.5
82.5°	498.0	518.5	903.8	1806.7	3352.9	3300.8	937.1	310.1	270.8	214.4
85°	194.8	217.8	398.9	835.5	1452.2	1420.6	338.3	153.8	173.4	140.1
87.5°	64.1	77.7	142.7	286.2	451.9	435.7	82.9	53.0	75.2	64.1
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°
2105.7	0°	2105.7	2105.7	2105.7	2105.7	2105.7	2105.7	2105.7	2105.7	2105.7	2105.7
2111.7	2.5°	2123.7	2137.3	2153.6	2177.5	2198.0	2215.1	2233.0	2244.1	2248.4	2261.2
2115.1	5°	2139.0	2168.9	2209.1	2248.4	2286.8	2309.9	2330.4	2340.6	2350.0	2356.9
2124.5	7.5°	2164.7	2203.1	2266.3	2317.6	2350.0	2368.8	2382.5	2379.1	2382.5	2384.2
2134.8	10°	2186.9	2240.7	2315.9	2364.6	2389.3	2390.2	2386.8	2374.8	2368.8	2369.7
2150.1	12.5°	2213.4	2273.2	2354.3	2395.3	2402.1	2383.4	2368.8	2348.3	2340.6	2337.2
2173.2	15°	2249.2	2317.6	2396.2	2411.5	2394.5	2370.5	2345.8	2312.5	2295.4	2281.7
2212.5	17.5°	2292.8	2368.0	2428.6	2417.5	2380.8	2341.5	2301.3	2250.9	2215.9	2201.4
2266.3	20°	2353.5	2420.9	2453.4	2404.7	2349.2	2289.4	2221.0	2159.5	2127.1	2112.6
2334.7	22.5°	2426.9	2491.8	2477.3	2382.5	2303.9	2208.2	2122.8	2077.5	2061.3	2051.1
2422.6	25°	2514.9	2570.4	2494.4	2350.0	2229.6	2100.6	2034.8	2020.3	2012.6	2004.9
2530.3	27.5°	2629.4	2659.3	2507.2	2302.2	2113.4	1986.1	1962.2	1964.8	1962.2	1949.4
2679.8	30°	2780.6	2774.6	2519.2	2224.5	1980.1	1882.8	1884.5	1895.6	1897.3	1888.7
2888.2	32.5°	2979.6	2919.0	2525.2	2123.7	1852.9	1792.2	1793.9	1805.9	1814.4	1799.9
3160.7	35°	3220.5	3087.3	2515.8	1997.2	1754.6	1705.9	1693.1	1696.5	1699.1	1685.4
3491.3	37.5°	3501.6	3276.0	2473.9	1857.1	1673.5	1621.4	1594.0	1571.0	1557.3	1544.5
3865.5	40°	3809.9	3481.9	2397.0	1720.5	1582.9	1531.7	1490.7	1447.1	1401.0	1383.9
4261.8	42.5°	4132.9	3693.8	2303.9	1589.8	1478.7	1436.8	1393.3	1330.1	1260.9	1225.8
4673.6	45°	4467.7	3910.8	2212.5	1460.8	1371.9	1354.0	1303.6	1227.6	1152.4	1108.0
5086.2	47.5°	4795.8	4115.8	2078.4	1330.9	1272.0	1291.6	1252.3	1182.3	1098.6	1028.5
5495.4	50°	5109.3	4308.0	1858.8	1199.4	1190.8	1272.8	1235.2	1134.4	1038.8	949.1
5896.9	52.5°	5420.2	4463.5	1577.8	1079.8	1147.3	1267.7	1213.0	1102.0	984.9	891.0
6274.5	55°	5684.2	4543.7	1307.0	977.3	1084.0	1224.1	1186.6	1063.5	908.9	809.0
6533.3	57.5°	5834.5	4478.8	1081.5	876.5	996.9	1152.4	1141.3	981.5	818.4	741.5
6583.7	60°	5769.6	4215.7	897.0	788.5	914.0	1074.6	1062.7	900.4	749.2	676.6
6313.8	62.5°	5411.7	3714.3	750.9	711.6	838.9	995.2	984.1	838.0	696.2	626.2
5597.0	65°	4690.7	3021.5	637.3	647.5	762.8	899.5	915.8	785.9	654.4	586.0
4330.2	67.5°	3577.6	2188.6	548.4	592.0	688.5	805.6	852.5	748.3	619.3	554.4
2505.5	70°	2039.1	1242.9	473.3	538.2	622.7	718.4	803.8	718.4	581.7	527.9
938.8	72.5°	773.1	570.6	409.2	484.4	559.5	645.0	750.0	671.4	538.2	498.0
485.2	75°	412.6	347.7	344.3	421.1	486.9	573.2	682.5	625.3	505.7	526.2
335.7	77.5°	281.0	246.0	287.9	360.5	407.5	493.8	610.8	555.3	438.2	436.5
232.4	80°	194.8	174.3	234.1	290.4	315.2	415.2	533.1	476.7	357.1	333.2
143.5	82.5°	117.0	113.6	175.1	217.0	223.0	320.3	441.6	399.8	292.2	254.6
85.4	85°	64.1	67.5	111.9	127.3	129.8	223.8	346.0	309.2	224.7	188.8
30.8	87.5°	17.9	23.1	41.0	50.4	62.4	116.2	205.9	183.7	112.8	78.6
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>
2105.7
2260.3
2358.6
2386.8
2371.4
2335.5
2286.0
2202.3
2110.8
2052.8
2004.9
1952.0
1893.0
1806.7
1694.8
1553.0
1391.6
1230.1
1104.5
1020.8
941.4
880.7
800.4
731.2
666.3
615.1
574.9
544.2
521.1
491.2
543.3
402.4
318.6
256.3
190.5
78.6
0.0

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