

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: P846953

Luminaire Tested: **GLAN-SB2D-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846953
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2D-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16084 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G3

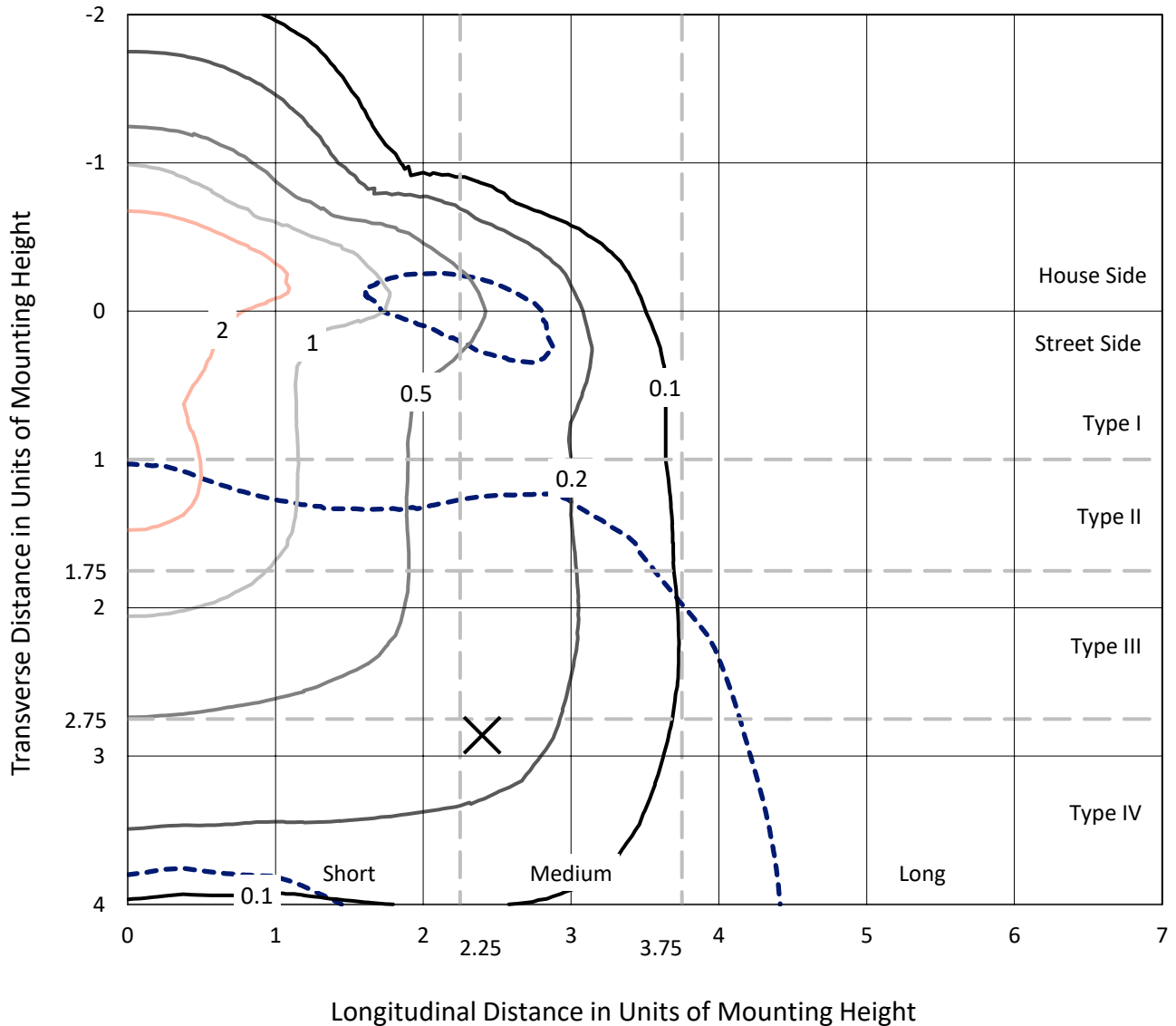
Input Watts (W): 147.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

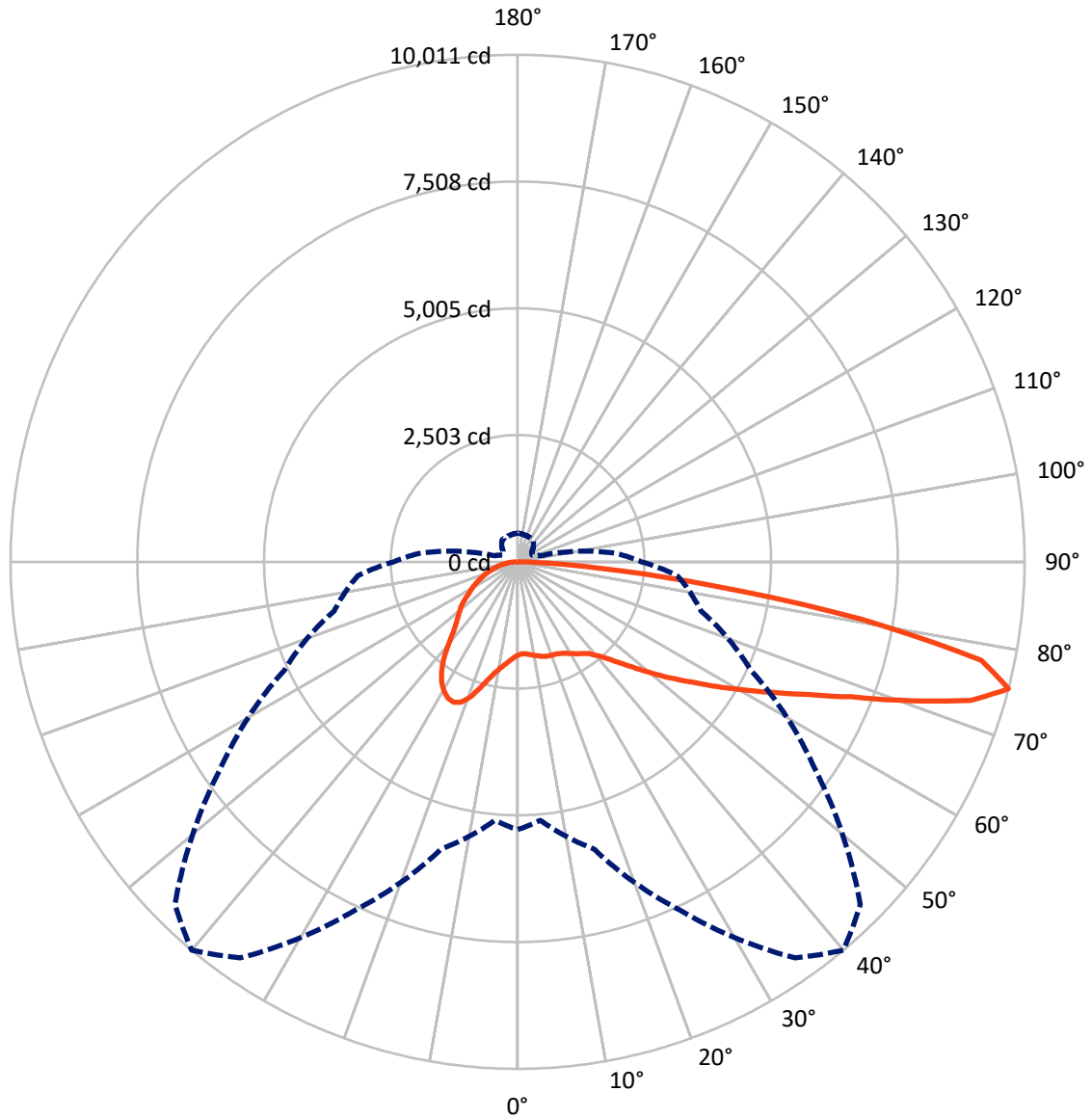
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4983.4	0.0	4983.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	11100.6	0.0	11100.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	16084.0	0.0	16084.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	183.6	1.1
10°-20°	616.4	3.8
20°-30°	1125.5	7.0
30°-40°	1596.2	9.9
40°-50°	2155.4	13.4
50°-60°	2899.6	18.0
60°-70°	3680.3	22.9
70°-80°	3340.1	20.8
80°-90°	486.9	3.0
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°	16084.0	100.0
0°-180°	16084.0	100.0

Coefficient of Utilization

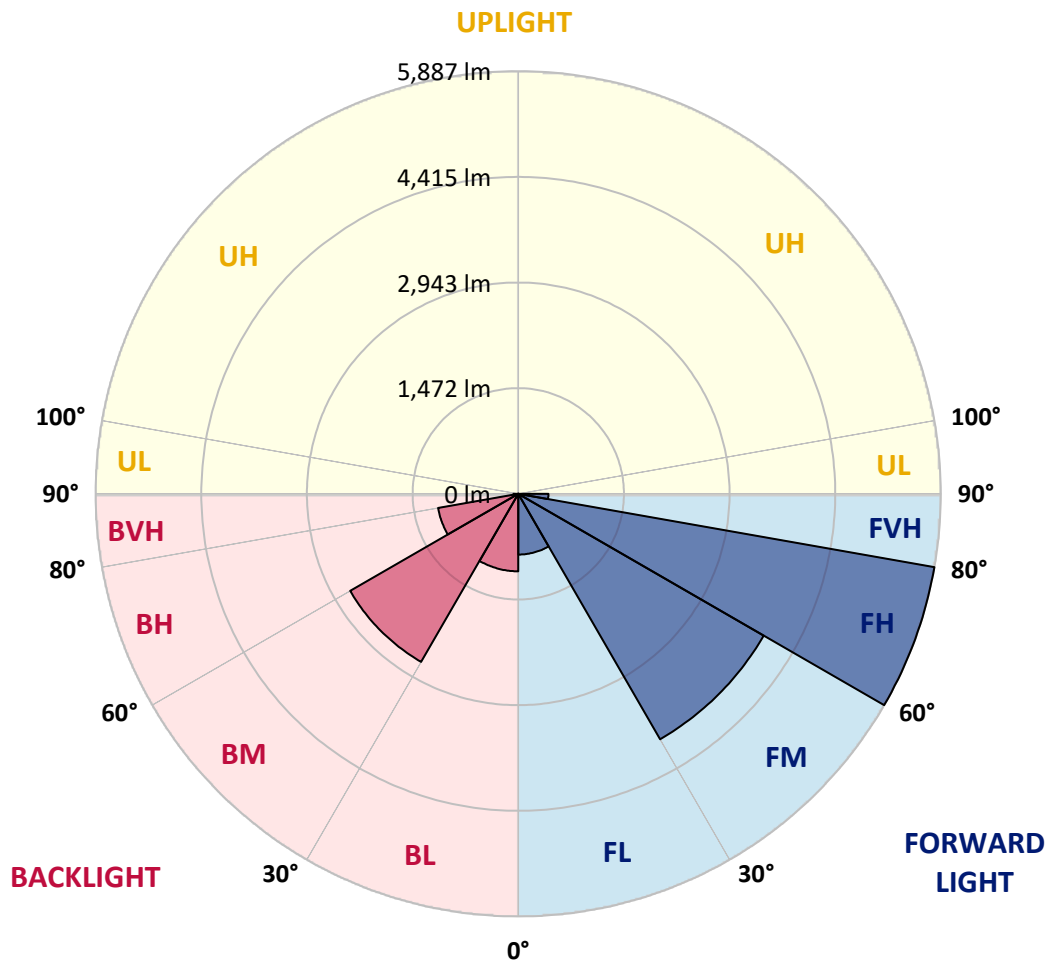


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	846.0	5.3			
FM (30°-60°)	3948.3	24.5			
FH (60°-80°)	5886.5	36.6			G3/7500
FVH (80°-90°)	419.8	2.6			G3/500
BL (0°-30°)	1079.4	6.7	B3/2500		
BM (30°-60°)	2703.0	16.8	B3/5000		
BH (60°-80°)	1133.9	7.0	B3/2500		G3/2500
BVH (80°-90°)	67.0	0.4			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2
2.5°	1811.1	1821.3	1818.8	1815.3	1815.3	1816.2	1815.3	1821.3	1827.3	1833.3
5°	1829.8	1840.1	1835.0	1830.7	1827.3	1826.4	1823.9	1823.0	1826.4	1834.1
7.5°	1866.5	1876.8	1869.1	1861.4	1854.6	1851.2	1847.8	1842.6	1840.1	1844.3
10°	1907.5	1917.7	1908.3	1894.7	1883.6	1879.3	1875.9	1870.8	1867.4	1869.9
12.5°	1948.4	1958.7	1945.9	1927.1	1912.6	1910.0	1905.8	1904.1	1903.2	1902.4
15°	1986.8	1995.3	1979.1	1957.0	1941.6	1937.3	1933.1	1935.6	1939.9	1945.0
17.5°	2016.7	2025.2	2001.3	1972.3	1957.8	1956.1	1953.5	1962.1	1974.0	1986.8
20°	2044.0	2052.5	2021.8	1982.5	1965.5	1965.5	1966.3	1984.2	2001.3	2020.1
22.5°	2082.4	2089.2	2051.6	1997.9	1973.2	1974.9	1981.7	1999.6	2020.9	2046.5
25°	2139.5	2144.6	2098.6	2026.9	1998.8	2003.9	2009.8	2018.4	2038.8	2068.7
27.5°	2231.6	2235.9	2175.3	2078.1	2035.4	2044.0	2052.5	2046.5	2055.9	2081.5
30°	2361.3	2363.9	2287.1	2158.3	2097.7	2102.0	2103.7	2078.9	2061.0	2081.5
32.5°	2514.9	2514.0	2422.7	2255.5	2168.5	2164.2	2149.7	2101.1	2059.3	2077.2
35°	2752.9	2743.5	2625.8	2392.0	2248.7	2222.3	2188.1	2125.9	2067.9	2073.0
37.5°	3147.0	3118.0	2955.0	2615.5	2368.1	2300.7	2250.4	2166.0	2086.6	2071.3
40°	3591.4	3554.8	3375.6	2921.8	2547.3	2438.9	2357.9	2223.1	2117.3	2078.9
42.5°	4118.6	4066.6	3873.8	3282.6	2774.2	2617.2	2495.2	2295.6	2162.5	2103.7
45°	4766.1	4697.0	4424.0	3689.5	3060.0	2851.0	2688.0	2405.7	2231.6	2151.5
47.5°	5420.4	5437.5	5049.3	4155.3	3402.9	3139.3	2929.5	2571.2	2332.3	2228.2
50°	6115.7	6127.6	5671.2	4671.4	3791.9	3465.2	3200.7	2756.3	2472.2	2337.4
52.5°	6658.2	6659.9	6236.0	5211.4	4197.1	3823.5	3493.3	2967.8	2634.3	2482.4
55°	6997.8	6993.5	6631.8	5722.4	4662.9	4199.7	3817.5	3208.4	2832.2	2653.1
57.5°	7244.3	7231.5	6904.8	6161.8	5159.4	4644.1	4184.3	3481.4	3065.9	2856.1
60°	7338.1	7330.5	7089.9	6541.4	5681.5	5135.5	4607.5	3786.8	3331.3	3095.8
62.5°	7374.0	7388.5	7271.6	6909.0	6240.2	5679.8	5072.4	4151.9	3629.8	3367.1
65°	7500.2	7526.7	7502.8	7390.2	6871.5	6317.0	5689.1	4586.1	3955.7	3658.0
67.5°	7750.2	7776.6	7786.9	7966.0	7642.7	7111.2	6458.6	5127.0	4337.0	3960.0
70°	7744.2	7736.5	7917.4	8424.1	8608.4	8210.8	7496.0	5792.4	4791.7	4210.8
72.5°	7048.9	6987.5	7414.9	8419.0	9412.0	9359.1	8762.8	6650.6	5184.1	4241.5
75°	5288.2	5124.4	5879.4	7587.2	9545.9	10010.8	9568.1	7182.9	5091.1	3747.6
77.5°	2261.5	2096.9	2986.6	5616.6	8543.5	9358.2	8829.3	6266.7	4064.0	2478.2
80°	592.0	591.2	902.6	2546.4	5810.3	6910.7	6062.8	4047.0	2322.1	885.5
82.5°	244.8	238.9	331.8	990.4	2839.0	3878.1	3164.9	1805.1	838.6	239.7
85°	91.3	90.4	161.2	342.1	1001.5	1599.5	1157.6	461.5	209.0	116.9
87.5°	25.6	24.7	35.0	118.6	244.0	370.2	197.9	75.9	58.9	46.1
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°
1839.2	0°	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2	1839.2
1842.6	2.5°	1845.2	1849.5	1857.1	1863.1	1870.8	1879.3	1891.3	1898.9	1906.6	1911.7
1846.9	5°	1852.9	1862.3	1881.9	1901.5	1924.5	1945.9	1970.6	1988.5	2003.0	2007.3
1862.3	7.5°	1869.9	1885.3	1918.6	1951.8	1988.5	2023.5	2059.3	2090.0	2114.8	2124.2
1889.6	10°	1899.8	1920.3	1967.2	2014.1	2062.7	2116.5	2162.5	2206.9	2241.9	2256.4
1922.0	12.5°	1937.3	1962.9	2024.3	2089.2	2156.6	2230.8	2290.5	2345.1	2388.6	2408.2
1967.2	15°	1986.0	2019.2	2097.7	2184.7	2283.7	2386.9	2462.8	2523.4	2572.0	2595.9
2014.1	17.5°	2038.8	2083.2	2182.2	2313.5	2455.1	2590.8	2679.5	2723.9	2774.2	2797.2
2057.6	20°	2090.0	2144.6	2286.2	2477.3	2665.9	2810.0	2881.7	2893.6	2897.0	2899.6
2098.6	22.5°	2142.9	2216.3	2416.8	2683.8	2885.9	2985.8	2996.0	2944.8	2873.2	2839.9
2138.7	25°	2200.9	2298.2	2587.4	2911.5	3075.3	3087.3	3008.8	2884.2	2748.6	2686.3
2171.1	27.5°	2257.2	2392.9	2792.1	3129.1	3211.8	3106.9	2938.0	2761.4	2597.6	2531.9
2194.1	30°	2313.5	2501.2	3018.2	3319.3	3274.1	3058.3	2826.2	2629.2	2464.5	2395.4
2214.6	32.5°	2370.7	2627.5	3278.4	3456.7	3263.0	2955.0	2687.2	2480.7	2335.7	2263.2
2232.5	35°	2435.5	2782.7	3524.9	3531.7	3188.8	2803.2	2503.8	2303.3	2177.0	2119.0
2253.8	37.5°	2520.0	2979.8	3742.4	3550.5	3059.1	2580.5	2276.0	2093.4	1989.4	1962.9
2285.4	40°	2624.9	3216.9	3908.8	3520.6	2867.2	2310.1	2026.9	1881.0	1822.2	1828.1
2328.0	42.5°	2761.4	3482.2	4025.7	3443.9	2600.2	2031.2	1808.5	1743.7	1771.8	1795.7
2392.0	45°	2938.8	3757.8	4098.2	3313.3	2298.2	1794.9	1679.7	1695.1	1716.4	1718.9
2495.2	47.5°	3165.8	4036.7	4145.9	3116.3	1990.2	1628.5	1597.8	1601.2	1597.0	1579.0
2649.6	50°	3449.0	4308.0	4188.6	2855.2	1728.3	1524.4	1483.5	1471.6	1412.7	1354.7
2855.2	52.5°	3771.4	4557.1	4206.5	2531.1	1524.4	1437.4	1370.9	1295.8	1185.8	1167.9
3113.7	55°	4129.7	4787.4	4160.4	2132.7	1353.0	1325.7	1225.0	1134.6	1122.6	1107.3
3454.1	57.5°	4558.0	5035.7	4066.6	1688.2	1177.2	1195.2	1097.1	1107.3	1086.0	1062.1
3891.7	60°	5026.3	5292.5	3902.0	1283.0	995.5	1032.2	1063.8	1062.9	1057.0	1037.3
4353.2	62.5°	5447.7	5461.4	3577.8	982.7	836.0	906.0	992.1	991.3	986.2	975.1
4835.2	65°	5698.5	5435.8	3036.9	773.7	704.6	801.9	894.9	901.7	902.6	901.7
5197.8	67.5°	5654.2	5136.4	2294.8	615.9	596.3	696.1	798.5	807.9	814.7	816.4
5243.8	70°	5152.6	4478.6	1496.3	491.4	499.9	603.1	707.2	716.6	722.6	729.4
4550.3	72.5°	4016.3	3292.9	856.5	397.5	415.4	522.9	616.8	627.9	631.3	644.1
3166.6	75°	2447.5	1936.5	462.4	313.1	341.2	447.0	527.2	540.0	546.0	561.3
1555.2	77.5°	1163.6	838.6	263.6	244.0	274.7	365.1	445.3	459.8	443.6	452.1
429.1	80°	393.3	311.4	166.3	186.0	209.9	284.9	356.6	371.1	337.0	335.3
142.5	82.5°	137.3	126.3	105.8	123.7	135.6	203.9	269.6	288.3	250.8	250.0
64.0	85°	53.7	51.2	58.9	67.4	81.0	125.4	177.4	186.8	154.4	124.5
18.8	87.5°	11.1	11.9	14.5	15.4	24.7	43.5	64.0	78.5	62.3	52.9
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°
1839.2
1908.3
2009.0
2125.0
2257.2
2408.2
2594.2
2796.4
2906.4
2849.3
2695.7
2539.6
2403.1
2272.6
2131.8
1981.7
1848.6
1817.9
1736.0
1592.7
1362.4
1173.8
1109.8
1057.8
1030.5
970.8
901.7
818.1
732.8
649.2
563.0
445.3
331.8
238.0
122.8
48.6
0.0

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