

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: P849218

Luminaire Tested: **GLAN-SB6A-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6A-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17529 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

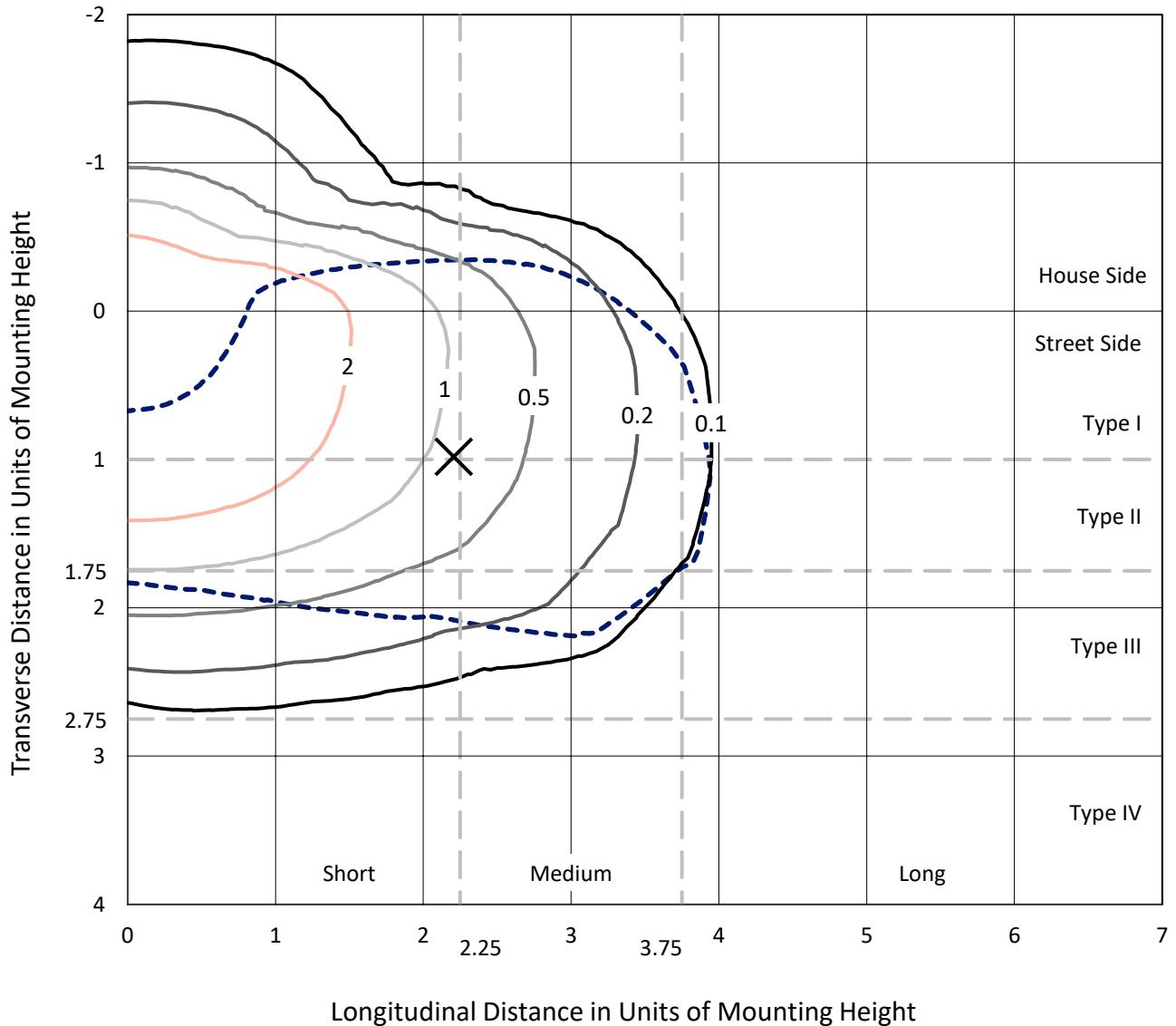
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

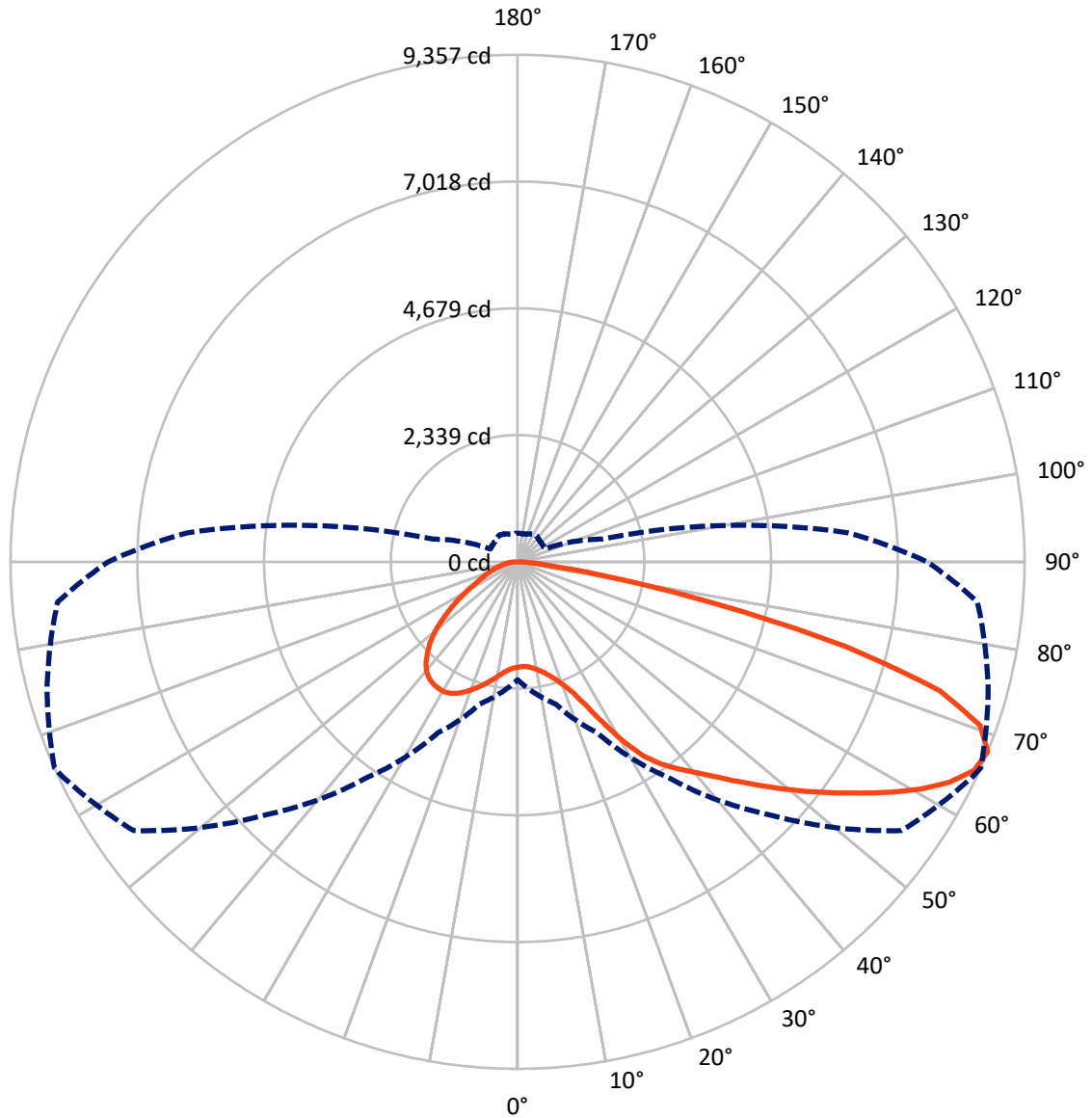
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4358.5	0.0	4358.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	13170.5	0.0	13170.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	17529.0	0.0	17529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.8	1.1
10°-20°	636.9	3.6
20°-30°	1227.5	7.0
30°-40°	2152.3	12.3
40°-50°	3199.7	18.3
50°-60°	4055.9	23.1
60°-70°	3968.6	22.6
70°-80°	1893.1	10.8
80°-90°	202.3	1.2
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°	17529.0	100.0
0°-180°	17529.0	100.0

Coefficient of Utilization



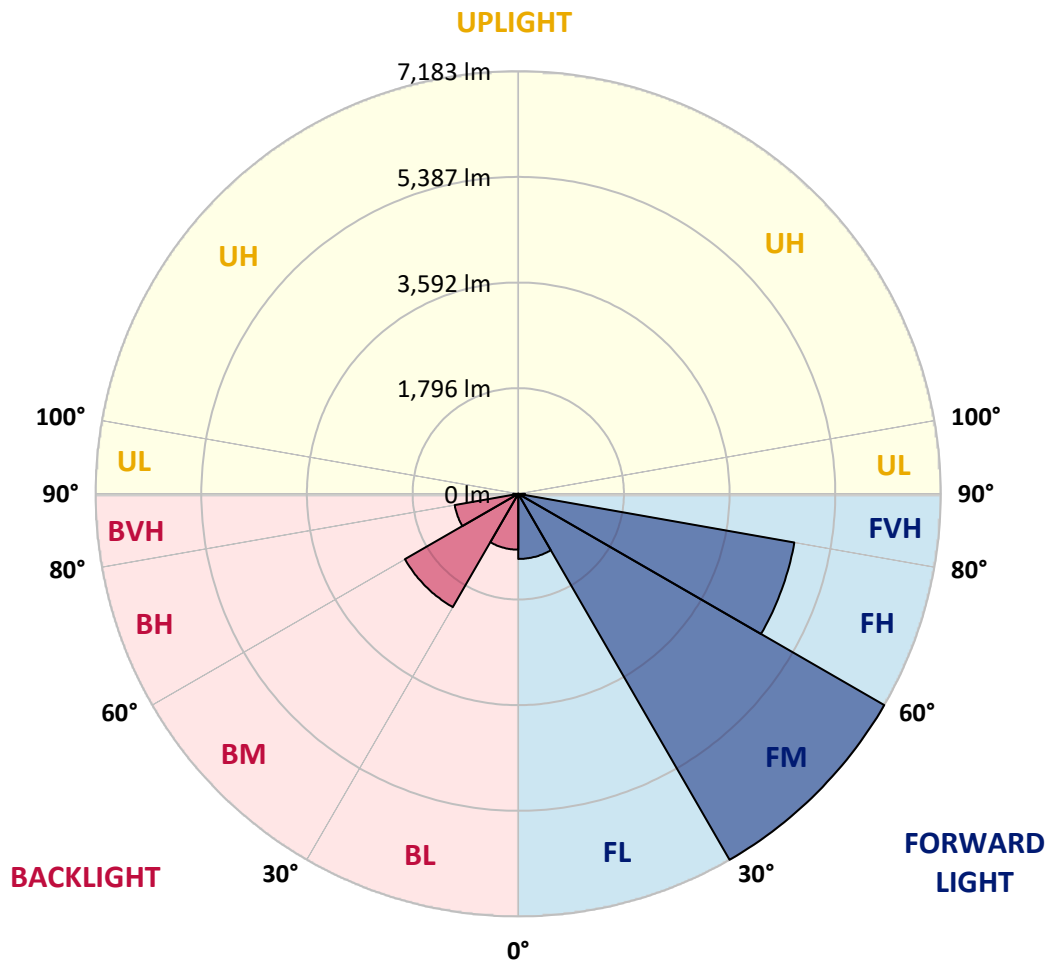
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1107.7	6.3			
FM (30°-60°)	7183.2	41.0			
FH (60°-80°)	4764.9	27.2			G2/5000
FVH (80°-90°)	114.7	0.7			G2/225
BL (0°-30°)	949.4	5.4	B2/1000		
BM (30°-60°)	2224.6	12.7	B2/2500		
BH (60°-80°)	1096.8	6.3	B3/2500		G3/2500
BVH (80°-90°)	87.6	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2
2.5°	1923.9	1935.0	1932.2	1927.6	1926.7	1928.5	1931.3	1934.1	1933.1	1937.8
5°	1918.4	1929.5	1928.5	1928.5	1932.2	1939.6	1944.2	1948.8	1944.2	1949.7
7.5°	1922.1	1930.4	1934.1	1937.8	1947.0	1960.8	1971.8	1982.0	1976.4	1982.9
10°	1969.1	1975.5	1979.2	1979.2	1985.6	2001.3	2012.4	2030.8	2026.2	2036.3
12.5°	2054.7	2061.2	2061.2	2057.5	2062.1	2072.2	2075.9	2096.2	2087.9	2104.4
15°	2159.7	2172.6	2162.5	2156.0	2157.9	2168.0	2167.1	2182.7	2174.4	2188.3
17.5°	2275.8	2292.3	2275.8	2274.8	2271.1	2282.2	2283.1	2296.9	2282.2	2292.3
20°	2413.0	2436.0	2422.2	2426.8	2418.5	2423.1	2427.7	2448.0	2425.0	2432.3
22.5°	2606.4	2634.0	2619.3	2636.8	2631.3	2627.6	2626.6	2662.6	2626.6	2629.4
25°	2888.2	2921.4	2895.6	2919.5	2919.5	2931.5	2945.3	2991.4	2931.5	2914.0
27.5°	3304.5	3337.6	3287.0	3301.7	3297.1	3326.6	3311.9	3426.1	3361.6	3333.0
30°	3805.5	3864.4	3768.7	3765.0	3760.4	3807.3	3828.5	3904.1	3838.7	3810.1
32.5°	4347.0	4408.8	4294.5	4261.4	4243.9	4272.4	4254.9	4315.7	4270.6	4226.4
35°	4919.9	4980.7	4872.0	4807.5	4737.5	4677.7	4615.1	4630.7	4588.3	4521.1
37.5°	5461.4	5572.9	5457.8	5388.7	5259.7	5142.8	4967.8	4895.0	4855.4	4793.7
40°	6013.1	6076.7	5989.2	5930.2	5790.2	5607.0	5327.0	5173.2	5119.8	5059.9
42.5°	6419.3	6480.0	6433.1	6392.6	6283.0	6070.2	5708.3	5515.8	5438.4	5371.2
45°	6741.6	6786.7	6757.3	6772.0	6725.0	6518.7	6103.4	5883.2	5803.1	5721.2
47.5°	6871.5	6919.4	6966.3	7053.8	7133.9	6982.0	6527.9	6281.1	6196.4	6112.6
50°	6856.7	6905.5	7041.8	7227.9	7476.6	7425.9	6975.5	6704.8	6626.5	6530.7
52.5°	6738.8	6794.1	6969.1	7278.5	7674.6	7758.4	7431.4	7142.2	7068.6	6954.4
55°	6429.4	6462.5	6725.0	7163.4	7721.5	7990.5	7878.1	7608.3	7534.6	7375.2
57.5°	5855.6	5903.5	6285.7	6853.0	7603.6	8147.9	8270.4	8098.2	8027.3	7798.0
60°	5106.9	5183.3	5620.8	6331.8	7303.4	8147.0	8626.9	8579.9	8520.9	8214.3
62.5°	4259.6	4348.0	4768.9	5595.0	6778.4	7915.9	8849.7	8983.3	8952.9	8598.3
65°	3271.3	3332.1	3751.2	4641.8	5961.5	7419.4	8875.5	9258.7	9264.2	8890.3
67.5°	2178.1	2353.1	2716.9	3483.2	4867.4	6608.1	8649.0	9303.8	9357.2	8990.6
70°	1062.8	1293.1	1649.5	2263.8	3483.2	5363.8	8056.8	8933.5	9052.4	8697.8
72.5°	441.2	515.8	710.1	1117.2	1999.5	3619.5	6866.9	7929.7	8149.8	7706.8
75°	297.5	322.3	406.2	572.9	910.9	1784.9	4952.1	5912.7	6267.3	5820.6
77.5°	229.3	245.0	295.6	400.6	541.5	675.1	2650.6	3563.3	3746.6	3468.4
80°	180.5	192.5	221.0	292.0	384.1	361.0	903.5	1614.5	1720.4	1443.2
82.5°	156.6	161.2	158.4	198.0	255.1	210.9	296.6	595.9	657.6	477.1
85°	113.3	126.2	131.7	122.5	135.4	106.8	121.6	210.9	232.1	207.2
87.5°	46.0	68.2	83.8	79.2	49.7	30.4	37.8	61.7	70.9	77.4
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°
1944.2	0°	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2	1944.2
1945.1	2.5°	1946.0	1952.5	1957.1	1962.6	1966.3	1971.8	1982.9	1989.3	1990.2	1994.9
1959.9	5°	1963.5	1972.7	1982.9	1997.6	2014.2	2028.0	2049.2	2063.9	2069.5	2074.1
1995.8	7.5°	2001.3	2014.2	2032.6	2058.4	2082.3	2100.8	2126.6	2144.1	2161.6	2168.0
2052.9	10°	2057.5	2075.9	2102.6	2137.6	2163.4	2187.3	2214.0	2228.8	2246.3	2253.6
2121.0	12.5°	2127.5	2146.8	2181.8	2230.6	2254.6	2271.1	2280.4	2276.7	2280.4	2286.8
2203.0	15°	2207.6	2228.8	2268.4	2320.9	2337.5	2322.7	2302.5	2284.0	2281.3	2283.1
2302.5	17.5°	2302.5	2318.1	2364.2	2408.4	2396.4	2335.6	2291.4	2261.9	2247.2	2242.6
2429.6	20°	2435.1	2435.1	2472.8	2500.5	2420.3	2317.2	2248.1	2200.2	2169.8	2156.9
2602.7	22.5°	2596.3	2581.5	2605.5	2586.1	2415.7	2265.6	2169.8	2087.0	2040.9	2022.5
2844.9	25°	2800.7	2783.2	2776.8	2657.0	2382.6	2183.7	2028.0	1927.6	1887.1	1877.0
3194.0	27.5°	3109.2	3065.0	2981.2	2695.7	2321.8	2054.7	1862.2	1769.2	1746.2	1747.1
3642.5	30°	3520.0	3431.6	3226.2	2702.2	2222.3	1872.4	1692.8	1626.5	1615.4	1620.0
4019.2	32.5°	3900.4	3816.6	3476.7	2672.7	2069.5	1693.7	1540.8	1496.6	1480.0	1485.5
4306.5	35°	4198.8	4175.7	3708.8	2631.3	1881.6	1526.1	1404.5	1366.7	1334.5	1327.1
4577.3	37.5°	4480.6	4471.4	3882.9	2573.2	1695.5	1407.3	1294.9	1245.2	1198.2	1172.4
4876.6	40°	4790.0	4780.8	3997.1	2483.9	1530.7	1304.1	1196.4	1131.0	1072.9	1026.0
5215.5	42.5°	5138.2	5083.8	4051.4	2355.9	1390.7	1216.6	1116.2	1027.8	951.4	908.1
5598.7	45°	5518.5	5396.0	4050.5	2192.9	1272.8	1136.5	1030.6	905.3	834.4	793.9
5991.9	47.5°	5921.9	5694.4	4000.8	2012.4	1158.6	1048.1	898.0	802.2	755.2	730.3
6419.3	50°	6338.2	5973.5	3916.0	1805.1	1041.6	947.7	815.1	749.7	713.8	690.7
6842.9	52.5°	6729.6	6226.8	3813.8	1570.3	922.8	850.1	778.2	727.6	689.8	664.0
7253.7	55°	7093.4	6445.0	3669.2	1329.9	826.1	784.7	760.7	718.4	675.1	644.7
7670.9	57.5°	7416.7	6586.9	3419.6	1104.3	757.0	739.6	742.3	702.7	653.0	627.2
8081.6	60°	7685.6	6691.0	3050.3	895.2	700.9	695.3	713.8	673.2	615.2	585.7
8428.8	62.5°	7846.8	6689.1	2597.2	733.1	653.0	654.8	676.0	636.4	577.5	549.8
8610.3	65°	7833.0	6525.2	2099.8	627.2	606.9	608.8	636.4	595.9	546.1	529.6
8519.1	67.5°	7555.8	6125.5	1610.8	558.1	556.3	564.6	596.8	568.2	526.8	525.0
7975.7	70°	6805.2	5295.7	1160.4	502.9	503.8	515.8	558.1	550.7	516.7	520.4
6705.7	72.5°	5456.8	4037.6	779.2	444.8	445.8	465.1	521.3	536.9	506.5	555.4
4757.8	75°	3634.2	2518.0	501.0	383.1	384.1	408.9	489.0	510.2	478.9	553.5
2475.6	77.5°	1746.2	1131.9	362.9	322.3	322.3	345.4	422.7	456.8	408.0	430.1
795.7	80°	603.2	425.5	285.5	259.7	254.2	269.8	356.4	396.0	351.8	324.2
259.7	82.5°	237.6	221.0	229.3	201.7	183.3	193.4	277.2	326.9	258.8	233.9
146.4	85°	136.3	143.7	162.1	133.5	105.9	118.8	203.5	234.9	195.2	172.2
47.9	87.5°	36.8	50.7	74.6	69.1	47.9	50.7	96.7	129.9	112.4	86.6
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

180°
1944.2
1993.9
2073.1
2168.9
2257.3
2288.6
2289.6
2249.0
2154.2
2019.7
1878.8
1749.9
1635.7
1492.9
1332.7
1173.3
1030.6
910.9
792.0
724.8
682.4
653.0
632.7
610.6
572.9
541.5
528.6
527.7
519.4
562.7
558.1
394.2
303.9
233.0
175.9
89.3
0.0

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