

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: P849228

Luminaire Tested: **GLAN-SB6A-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849228
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-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18364 lumens
Efficiency: N/A
Efficacy: 107.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

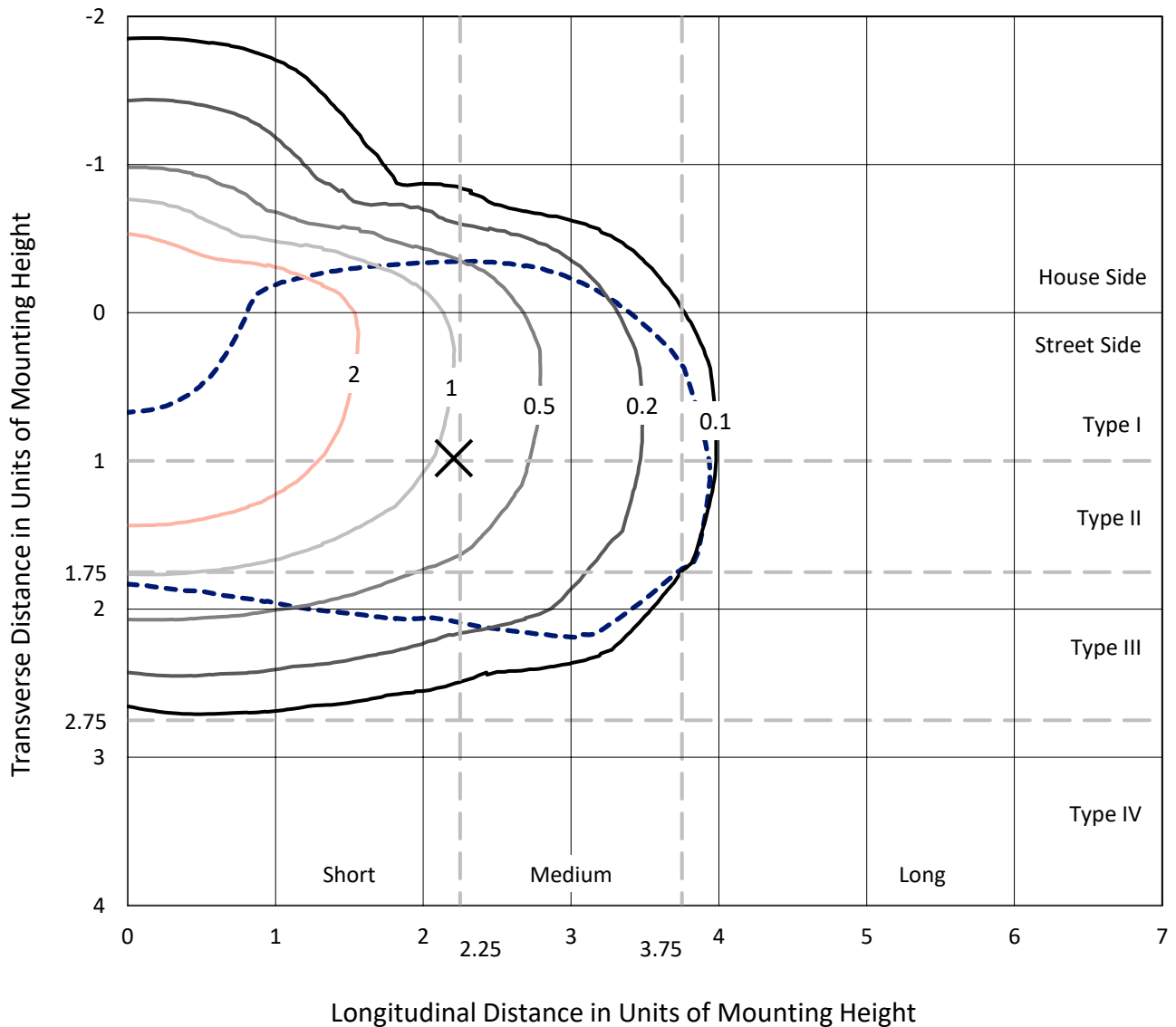
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

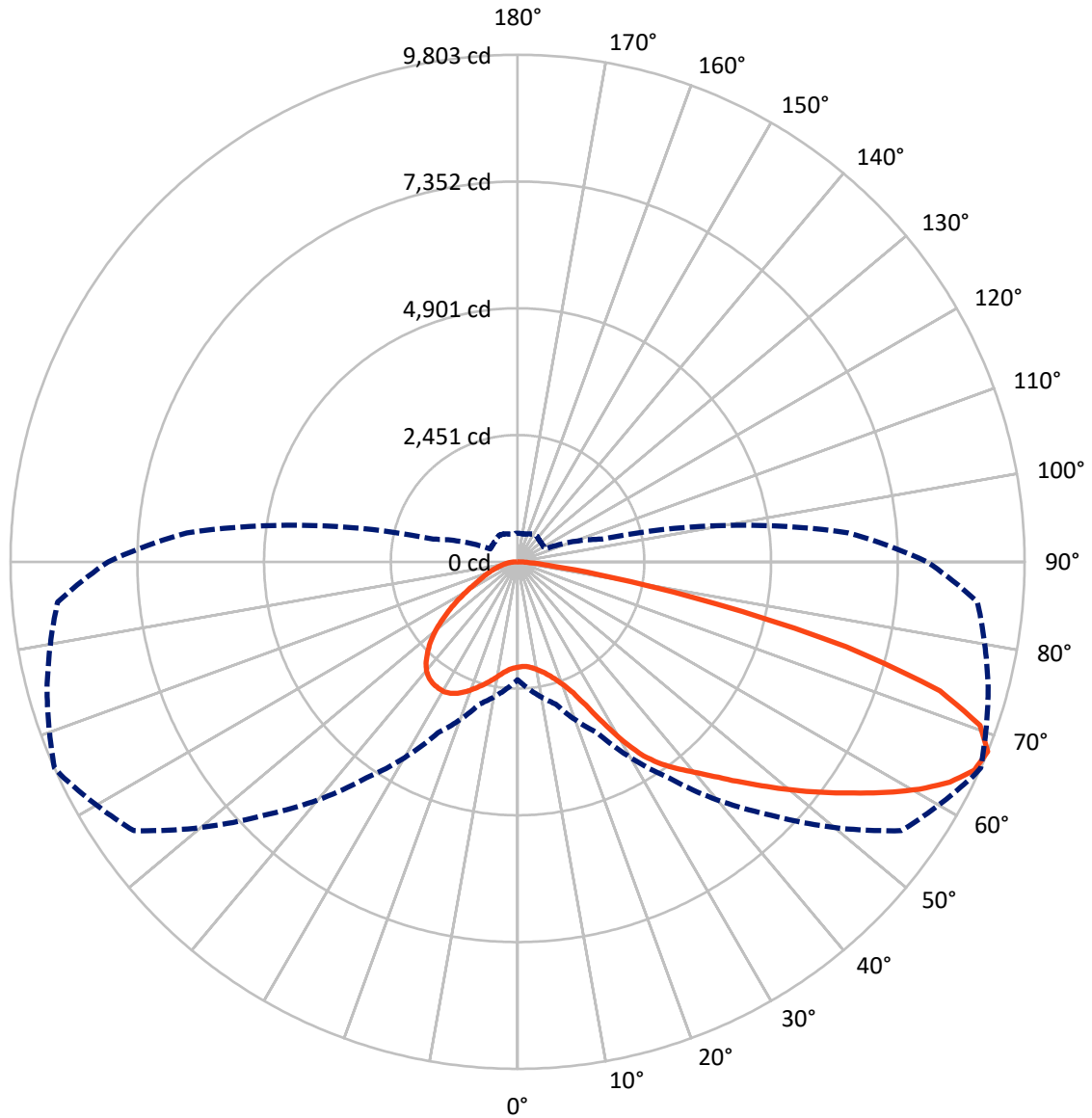
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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	4566.2	0.0	4566.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	13797.8	0.0	13797.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	18364.0	0.0	18364.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.9	1.1
10°-20°	667.2	3.6
20°-30°	1286.0	7.0
30°-40°	2254.8	12.3
40°-50°	3352.1	18.3
50°-60°	4249.1	23.1
60°-70°	4157.7	22.6
70°-80°	1983.2	10.8
80°-90°	212.0	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°	18364.0	100.0
0°-180°	18364.0	100.0

Coefficient of Utilization



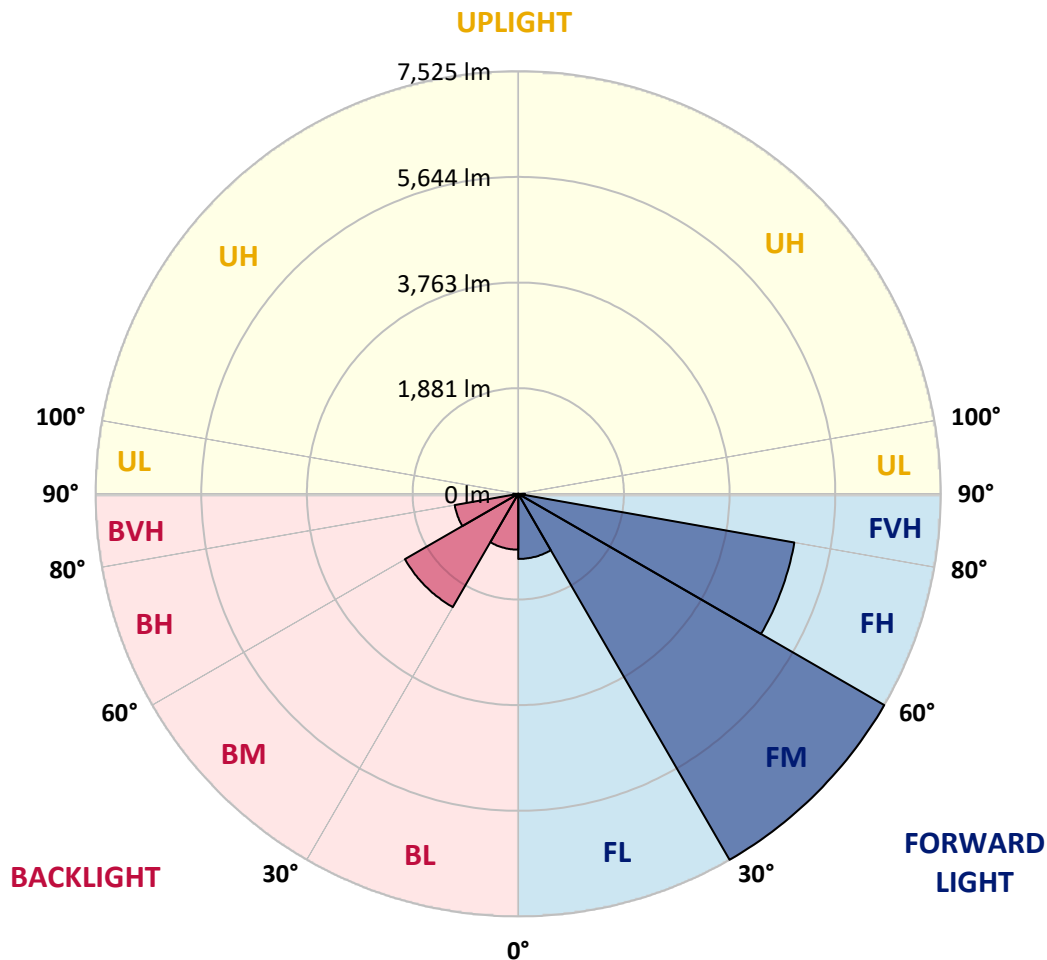
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1160.4	6.3			
FM (30°-60°)	7525.4	41.0			
FH (60°-80°)	4991.8	27.2			G2/5000
FVH (80°-90°)	120.2	0.7			G2/225
BL (0°-30°)	994.7	5.4	B2/1000		
BM (30°-60°)	2330.6	12.7	B2/2500		
BH (60°-80°)	1149.1	6.3	B3/2500		G3/2500
BVH (80°-90°)	91.8	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°	2036.8	2036.8	2036.8	2036.8	2036.8	2036.8	2036.8	2036.8	2036.8	2036.8
2.5°	2015.6	2027.2	2024.3	2019.4	2018.5	2020.4	2023.3	2026.2	2025.2	2030.1
5°	2009.8	2021.4	2020.4	2020.4	2024.3	2032.0	2036.8	2041.6	2036.8	2042.6
7.5°	2013.7	2022.3	2026.2	2030.1	2039.7	2054.2	2065.8	2076.4	2070.6	2077.3
10°	2062.9	2069.6	2073.5	2073.5	2080.2	2096.6	2108.2	2127.5	2122.7	2133.3
12.5°	2152.6	2159.3	2159.3	2155.5	2160.3	2170.9	2174.8	2196.0	2187.3	2204.7
15°	2262.6	2276.1	2265.5	2258.7	2260.7	2271.3	2270.3	2286.7	2278.0	2292.5
17.5°	2384.2	2401.5	2384.2	2383.2	2379.3	2390.9	2391.9	2406.4	2390.9	2401.5
20°	2527.9	2552.0	2537.6	2542.4	2533.7	2538.5	2543.4	2564.6	2540.5	2548.2
22.5°	2730.5	2759.5	2744.0	2762.4	2756.6	2752.7	2751.8	2789.4	2751.8	2754.7
25°	3025.8	3060.5	3033.5	3058.6	3058.6	3071.1	3085.6	3133.9	3071.1	3052.8
27.5°	3461.9	3496.6	3443.6	3459.0	3454.2	3485.1	3469.6	3589.3	3521.7	3491.8
30°	3986.8	4048.5	3948.2	3944.3	3939.5	3988.7	4010.9	4090.0	4021.5	3991.6
32.5°	4554.1	4618.8	4499.1	4464.4	4446.1	4476.0	4457.6	4521.3	4474.0	4427.7
35°	5154.3	5217.9	5104.1	5036.5	4963.2	4900.5	4834.9	4851.3	4806.9	4736.5
37.5°	5721.6	5838.3	5717.7	5645.4	5510.3	5387.8	5204.4	5128.2	5086.7	5022.1
40°	6299.5	6366.1	6274.5	6212.7	6066.0	5874.0	5580.7	5419.6	5363.6	5300.9
42.5°	6725.0	6788.7	6739.5	6697.1	6582.2	6359.4	5980.2	5778.5	5697.5	5627.0
45°	7062.7	7110.0	7079.1	7094.6	7045.4	6829.2	6394.1	6163.5	6079.6	5993.7
47.5°	7198.8	7249.0	7298.2	7389.8	7473.8	7314.6	6838.9	6580.3	6491.5	6403.7
50°	7183.4	7234.5	7377.3	7572.2	7832.7	7779.6	7307.8	7024.1	6942.1	6841.8
52.5°	7059.8	7117.7	7301.1	7625.3	8040.1	8127.9	7785.4	7482.5	7405.3	7285.6
55°	6735.7	6770.4	7045.4	7504.6	8089.3	8371.1	8253.4	7970.7	7893.5	7726.6
57.5°	6134.6	6184.7	6585.1	7179.5	7965.8	8536.1	8664.4	8484.0	8409.7	8169.4
60°	5350.1	5430.2	5888.5	6633.4	7651.3	8535.1	9037.8	8988.6	8926.8	8605.5
62.5°	4462.5	4555.1	4996.0	5861.5	7101.3	8292.9	9271.3	9411.2	9379.4	9007.9
65°	3427.2	3490.8	3929.9	4862.9	6245.5	7772.9	9298.3	9699.7	9705.5	9313.8
67.5°	2281.9	2465.2	2846.3	3649.1	5099.3	6922.8	9061.0	9747.0	9802.9	9418.9
70°	1113.4	1354.7	1728.1	2371.6	3649.1	5619.3	8440.6	9359.1	9483.6	9112.1
72.5°	462.2	540.3	743.9	1170.4	2094.7	3791.9	7194.0	8307.4	8538.0	8073.9
75°	311.6	337.7	425.5	600.1	954.2	1869.9	5188.0	6194.4	6565.8	6097.9
77.5°	240.2	256.7	309.7	419.7	567.3	707.2	2776.9	3733.0	3925.0	3633.6
80°	189.1	201.7	231.6	305.9	402.3	378.2	946.5	1691.4	1802.4	1511.9
82.5°	164.0	168.8	166.0	207.4	267.3	221.0	310.7	624.3	688.9	499.8
85°	118.7	132.2	138.0	128.3	141.8	111.9	127.4	221.0	243.1	217.1
87.5°	48.2	71.4	87.8	83.0	52.1	31.8	39.6	64.6	74.3	81.0
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°
2036.8	0°	2036.8	2036.8	2036.8	2036.8	2036.8	2036.8	2036.8	2036.8	2036.8	2036.8
2037.8	2.5°	2038.7	2045.5	2050.3	2056.1	2060.0	2065.8	2077.3	2084.1	2085.1	2089.9
2053.2	5°	2057.1	2066.7	2077.3	2092.8	2110.1	2124.6	2146.8	2162.2	2168.0	2172.9
2090.8	7.5°	2096.6	2110.1	2129.4	2156.5	2181.5	2200.8	2227.9	2246.2	2264.5	2271.3
2150.7	10°	2155.5	2174.8	2202.8	2239.4	2266.4	2291.5	2319.5	2335.0	2353.3	2361.0
2222.1	12.5°	2228.8	2249.1	2285.7	2336.9	2362.0	2379.3	2389.0	2385.1	2389.0	2395.7
2307.9	15°	2312.8	2335.0	2376.4	2431.4	2448.8	2433.4	2412.1	2392.8	2389.9	2391.9
2412.1	17.5°	2412.1	2428.5	2476.8	2523.1	2510.6	2446.9	2400.6	2369.7	2354.2	2349.4
2545.3	20°	2551.1	2551.1	2590.6	2619.6	2535.6	2427.6	2355.2	2305.0	2273.2	2259.7
2726.7	22.5°	2719.9	2704.5	2729.6	2709.3	2530.8	2373.5	2273.2	2186.4	2138.1	2118.8
2980.4	25°	2934.1	2915.8	2909.0	2783.6	2496.1	2287.7	2124.6	2019.4	1977.0	1966.4
3346.1	27.5°	3257.4	3211.0	3123.2	2824.1	2432.4	2152.6	1950.9	1853.5	1829.4	1830.3
3816.0	30°	3687.7	3595.1	3379.9	2830.9	2328.2	1961.6	1773.4	1703.9	1692.4	1697.2
4210.6	32.5°	4086.2	3998.4	3642.3	2800.0	2168.0	1774.4	1614.2	1567.9	1550.5	1556.3
4511.7	35°	4398.8	4374.7	3885.5	2756.6	1971.2	1598.8	1471.4	1431.8	1398.1	1390.4
4795.3	37.5°	4694.0	4684.4	4067.8	2695.8	1776.3	1474.3	1356.6	1304.5	1255.3	1228.3
5108.9	40°	5018.2	5008.6	4187.5	2602.2	1603.6	1366.2	1253.3	1184.8	1124.1	1074.8
5464.0	42.5°	5382.9	5326.0	4244.4	2468.1	1456.9	1274.6	1169.4	1076.8	996.7	951.3
5865.4	45°	5781.4	5653.1	4243.4	2297.3	1333.4	1190.6	1079.7	948.5	874.2	831.7
6277.4	47.5°	6204.0	5965.7	4191.3	2108.2	1213.8	1098.0	940.7	840.4	791.2	765.1
6725.0	50°	6640.1	6258.1	4102.6	1891.1	1091.3	992.8	853.9	785.4	747.8	723.6
7168.9	52.5°	7050.2	6523.4	3995.5	1645.1	966.8	890.6	815.3	762.2	722.7	695.7
7599.2	55°	7431.3	6752.1	3844.0	1393.3	865.5	822.1	797.0	752.6	707.2	675.4
8036.3	57.5°	7770.0	6900.6	3582.5	1156.9	793.1	774.8	777.7	736.2	684.1	657.1
8466.6	60°	8051.7	7009.7	3195.6	937.8	734.3	728.5	747.8	705.3	644.5	613.6
8830.4	62.5°	8220.6	7007.7	2720.9	768.0	684.1	686.0	708.2	666.7	605.0	576.0
9020.4	65°	8206.1	6836.0	2199.9	657.1	635.8	637.8	666.7	624.3	572.2	554.8
8924.9	67.5°	7915.7	6417.3	1687.5	584.7	582.8	591.5	625.2	595.3	551.9	550.0
8355.6	70°	7129.3	5547.9	1215.7	526.8	527.8	540.3	584.7	577.0	541.3	545.1
7025.1	72.5°	5716.8	4229.9	816.3	466.0	467.0	487.3	546.1	562.5	530.7	581.8
4984.4	75°	3807.3	2637.9	524.9	401.4	402.3	428.4	512.3	534.5	501.7	579.9
2593.5	77.5°	1829.4	1185.8	380.2	337.7	337.7	361.8	442.9	478.6	427.4	450.6
833.6	80°	632.0	445.8	299.1	272.1	266.3	282.7	373.4	414.9	368.6	339.6
272.1	82.5°	248.9	231.6	240.2	211.3	192.0	202.6	290.4	342.5	271.1	245.1
153.4	85°	142.8	150.5	169.8	139.9	111.0	124.5	213.2	246.0	204.5	180.4
50.2	87.5°	38.6	53.1	78.2	72.4	50.2	53.1	101.3	136.0	117.7	90.7
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°
2036.8
2088.9
2171.9
2272.2
2364.9
2397.7
2398.6
2356.2
2256.8
2115.9
1968.3
1833.2
1713.6
1564.0
1396.1
1229.2
1079.7
954.2
829.8
759.3
715.0
684.1
662.9
639.7
600.1
567.3
553.8
552.9
544.2
589.5
584.7
413.0
318.4
244.1
184.3
93.6
0.0

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