

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: P852549

Luminaire Tested: **GLAN-SB4C-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852549
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-SB4C-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19104 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G3

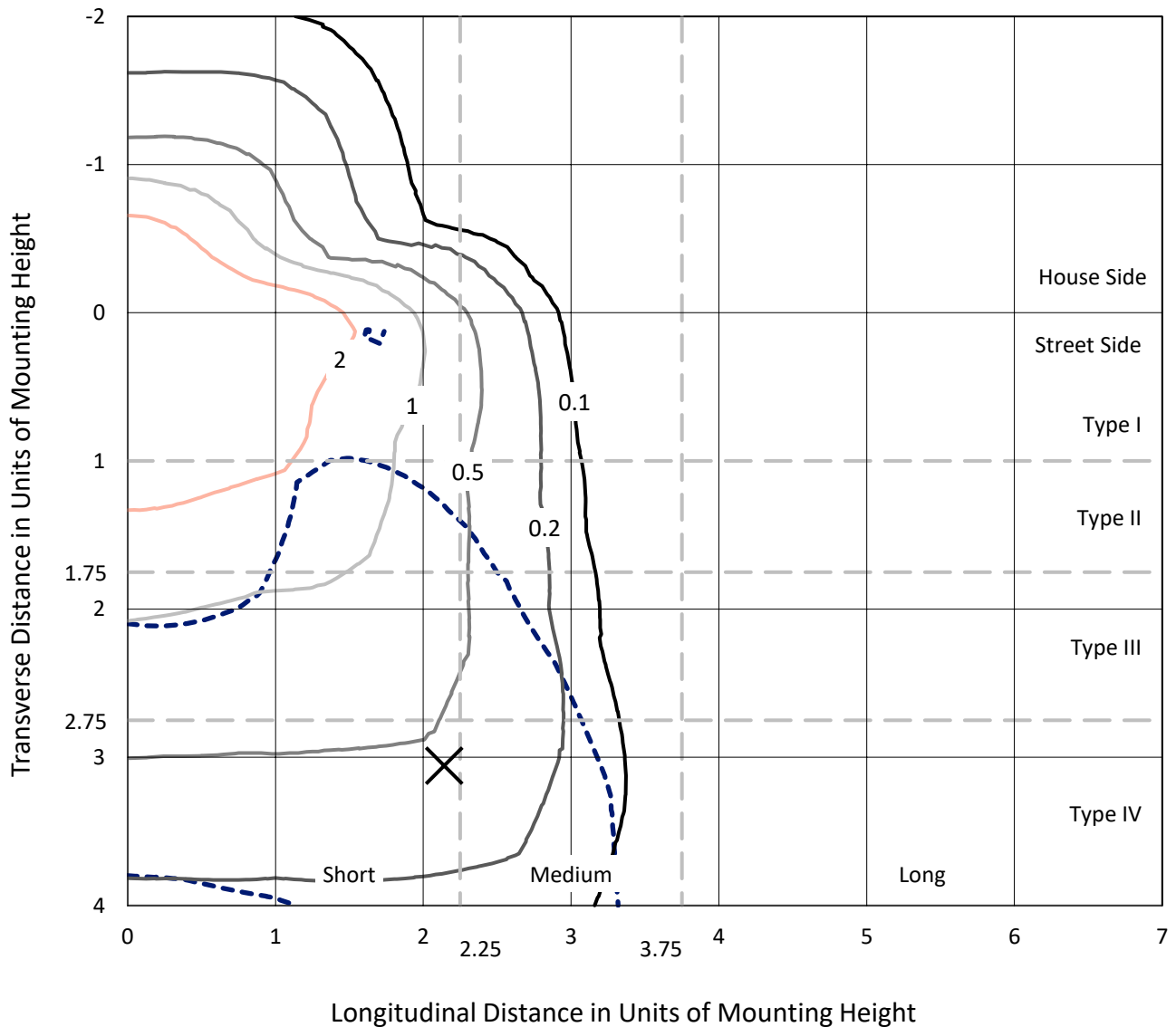
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

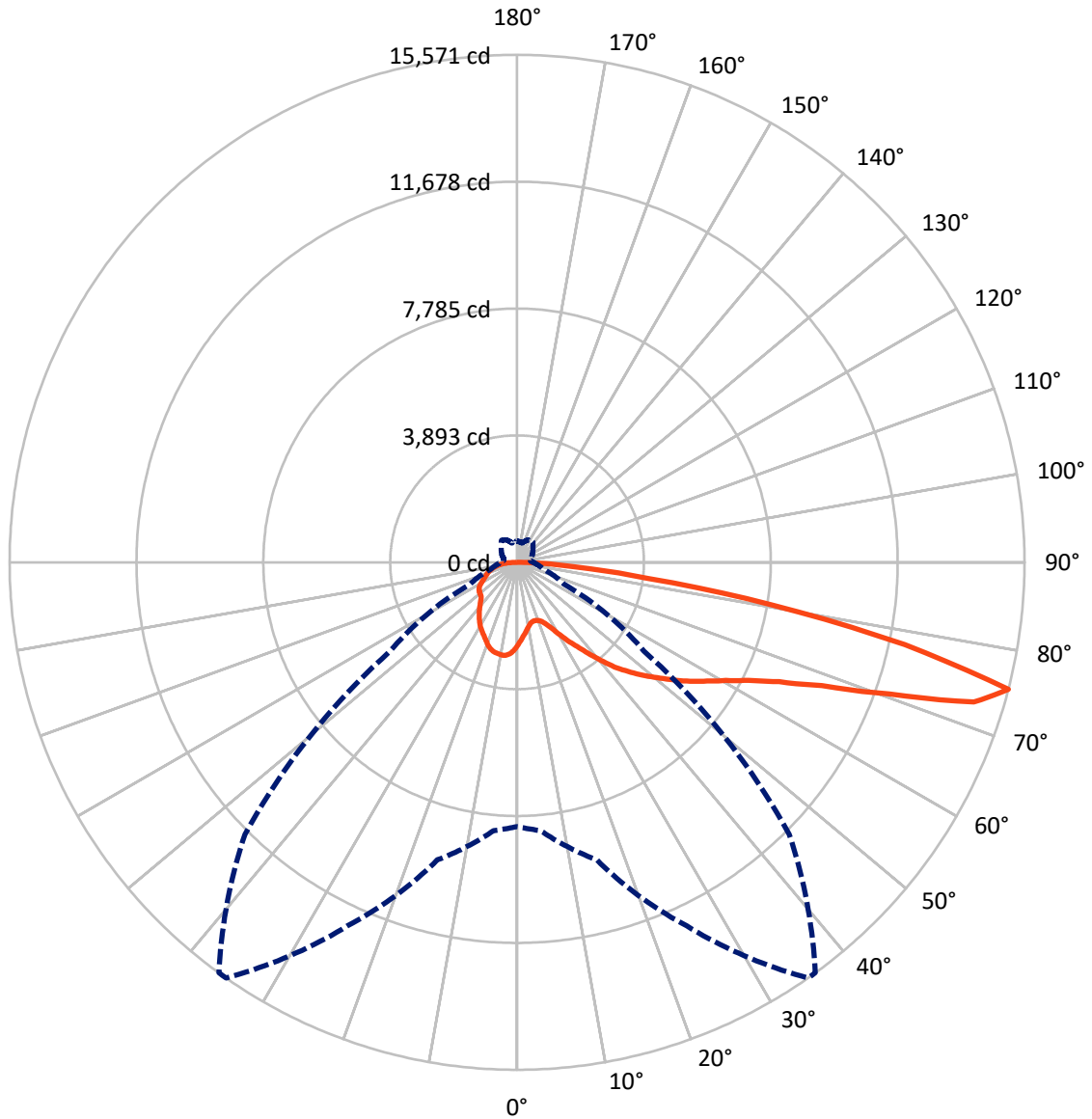
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 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	4546.3	0.0	4546.3
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	14557.7	0.0	14557.7
	% Fixture	76.2	0.0	76.2
Total	Lumens	19104.0	0.0	19104.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	1.3
10°-20°	695.2	3.6
20°-30°	1167.5	6.1
30°-40°	1814.4	9.5
40°-50°	2693.1	14.1
50°-60°	3718.0	19.5
60°-70°	4510.8	23.6
70°-80°	3727.8	19.5
80°-90°	536.2	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°	19104.0	100.0
0°-180°	19104.0	100.0

Coefficient of Utilization



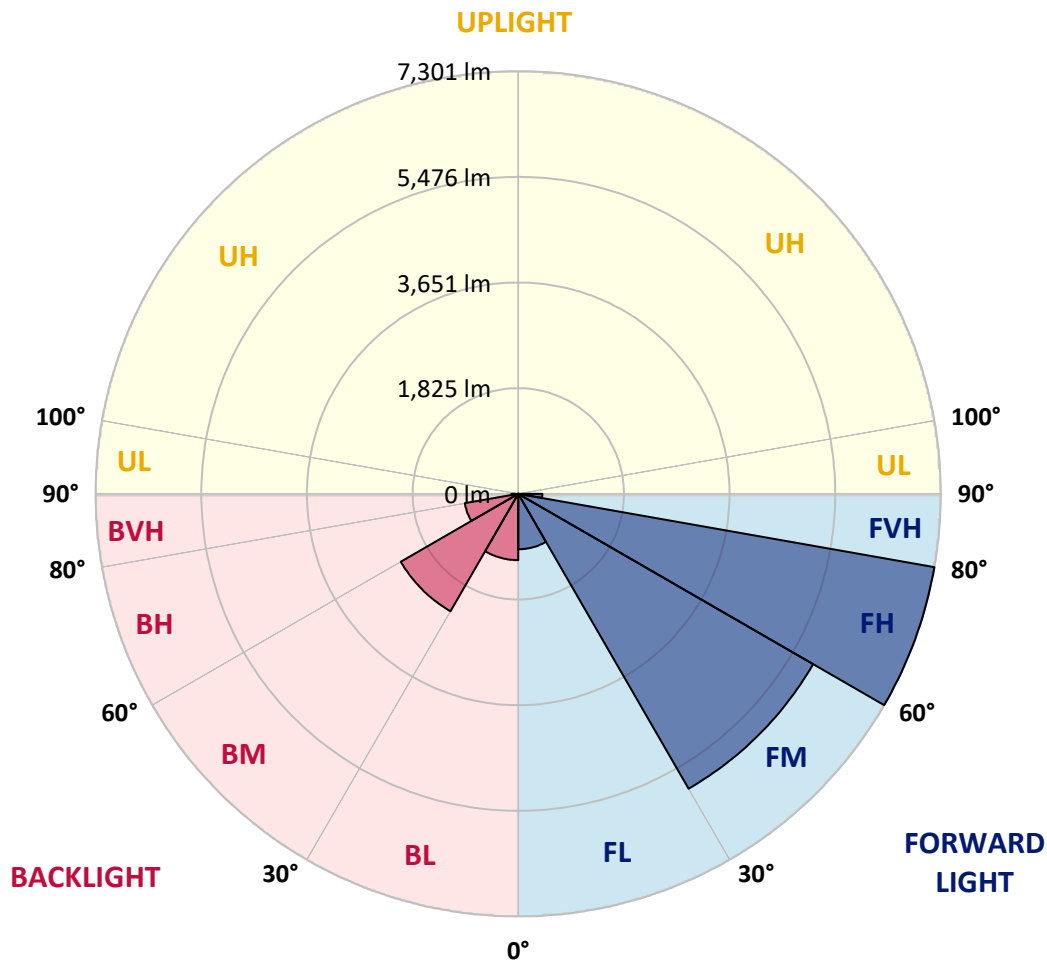
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	958.0	5.0			
FM (30°-60°)	5883.0	30.8			
FH (60°-80°)	7301.3	38.2			G3/7500
FVH (80°-90°)	415.4	2.2			G3/500
BL (0°-30°)	1145.7	6.0	B3/2500		
BM (30°-60°)	2342.5	12.3	B2/2500		
BH (60°-80°)	937.3	4.9	B2/1000		G2/1000
BVH (80°-90°)	120.7	0.6			G2/225
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	2545.7	2545.7	2545.7	2545.7	2545.7	2545.7	2545.7	2545.7	2545.7	2545.7
2.5°	2347.4	2361.9	2368.1	2365.0	2380.5	2378.4	2400.1	2427.0	2464.1	2500.3
5°	2166.7	2182.2	2195.6	2208.0	2238.0	2247.3	2281.4	2333.0	2401.2	2470.3
7.5°	1998.4	2011.8	2032.5	2055.2	2105.8	2115.1	2171.9	2252.4	2347.4	2448.7
10°	1861.0	1874.4	1896.1	1922.0	1985.0	1996.3	2068.6	2176.0	2299.9	2428.0
12.5°	1802.2	1806.3	1818.7	1844.5	1899.2	1906.5	1986.0	2108.9	2253.5	2412.5
15°	1799.1	1807.3	1808.4	1821.8	1867.2	1870.3	1943.6	2065.5	2224.6	2409.4
17.5°	1830.0	1836.2	1826.9	1835.2	1873.4	1878.6	1936.4	2044.9	2215.3	2422.8
20°	1912.7	1917.8	1889.9	1878.6	1906.5	1910.6	1967.4	2058.3	2224.6	2450.7
22.5°	2088.2	2091.3	2023.2	1976.7	1978.8	1980.8	2030.4	2113.0	2260.7	2501.3
25°	2361.9	2359.8	2251.4	2161.6	2109.9	2098.6	2131.6	2201.8	2321.6	2568.5
27.5°	2682.1	2666.6	2558.1	2423.9	2311.3	2294.8	2287.5	2317.5	2408.4	2657.3
30°	3043.5	3029.1	2912.4	2736.8	2580.9	2554.0	2485.8	2470.3	2537.5	2778.1
32.5°	3440.1	3430.8	3291.4	3078.6	2870.0	2839.0	2724.4	2683.1	2735.8	2960.9
35°	3772.6	3764.4	3648.7	3429.8	3174.7	3136.5	3019.8	2973.3	3000.1	3195.3
37.5°	4073.2	4069.0	3969.9	3797.4	3534.1	3487.6	3356.4	3341.0	3335.8	3504.1
40°	4352.0	4341.7	4238.4	4147.5	3952.3	3910.0	3794.3	3780.9	3741.7	3884.2
42.5°	4660.8	4634.0	4484.2	4441.9	4389.2	4354.1	4284.9	4287.0	4200.2	4312.8
45°	4912.8	4897.3	4743.4	4718.7	4775.5	4761.0	4820.9	4836.4	4668.0	4762.0
47.5°	5183.4	5168.9	5038.8	5021.2	5175.1	5179.3	5391.0	5396.1	5124.5	5228.8
50°	5517.0	5496.3	5367.2	5388.9	5561.4	5576.9	5964.2	5929.0	5544.9	5702.9
52.5°	5736.9	5749.3	5721.5	5756.6	5992.0	6006.5	6528.0	6438.2	5961.1	6170.7
55°	5899.1	5923.9	6010.6	6091.2	6446.4	6460.9	7059.9	6922.5	6306.0	6604.5
57.5°	6107.7	6072.6	6234.7	6391.7	6878.1	6916.3	7577.3	7389.4	6611.7	6978.3
60°	6407.2	6382.4	6508.4	6740.8	7361.5	7422.4	8124.7	7809.7	6835.8	7274.7
62.5°	7014.5	6952.5	6972.1	7177.6	7970.8	8051.3	8742.3	8176.3	6947.3	7390.4
65°	7922.3	7815.9	7716.7	7859.3	8829.0	8908.5	9439.4	8464.4	6906.0	7166.3
67.5°	9065.5	8960.2	8838.3	8972.6	10093.1	10156.1	10299.7	8626.6	6580.7	6302.9
70°	10008.4	9969.2	10114.8	10667.3	12112.1	12114.2	11402.6	8492.3	5689.4	4468.7
72.5°	9883.5	9859.7	10627.0	12335.2	14656.8	14602.1	12446.7	7476.1	3832.5	2015.9
75°	8108.1	8262.0	9450.7	12305.3	15570.8	15563.6	11807.5	4752.7	1585.3	835.5
77.5°	4347.9	4591.6	6135.6	9085.1	12155.5	12338.3	8301.3	1662.7	680.6	535.0
80°	1418.0	1630.7	2445.6	4625.7	7898.5	7864.4	3557.8	652.7	465.8	379.0
82.5°	602.1	626.9	1092.7	2184.3	4053.6	3990.6	1132.9	374.9	327.4	259.2
85°	235.5	263.4	482.3	1010.0	1755.7	1717.5	409.0	185.9	209.6	169.4
87.5°	77.5	94.0	172.5	346.0	546.3	526.7	100.2	64.0	90.9	77.5
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°
2545.7	0°	2545.7	2545.7	2545.7	2545.7	2545.7	2545.7	2545.7	2545.7	2545.7	2545.7
2553.0	2.5°	2567.4	2583.9	2603.6	2632.5	2657.3	2677.9	2699.6	2713.0	2718.2	2733.7
2557.1	5°	2586.0	2622.2	2670.7	2718.2	2764.7	2792.6	2817.4	2829.7	2841.1	2849.4
2568.5	7.5°	2617.0	2663.5	2739.9	2801.9	2841.1	2863.8	2880.3	2876.2	2880.3	2882.4
2580.9	10°	2643.8	2708.9	2799.8	2858.7	2888.6	2889.6	2885.5	2871.1	2863.8	2864.9
2599.4	12.5°	2675.9	2748.2	2846.3	2895.8	2904.1	2881.4	2863.8	2839.0	2829.7	2825.6
2627.3	15°	2719.2	2801.9	2896.9	2915.5	2894.8	2865.9	2835.9	2795.7	2775.0	2758.5
2674.8	17.5°	2771.9	2862.8	2936.1	2922.7	2878.3	2830.8	2782.2	2721.3	2679.0	2661.4
2739.9	20°	2845.2	2926.8	2966.1	2907.2	2840.1	2767.8	2685.2	2610.8	2571.6	2554.0
2822.5	22.5°	2934.1	3012.5	2995.0	2880.3	2785.3	2669.7	2566.4	2511.7	2492.0	2479.6
2928.9	25°	3040.4	3107.6	3015.6	2841.1	2695.5	2539.5	2460.0	2442.5	2433.2	2423.9
3059.0	27.5°	3178.8	3215.0	3031.1	2783.3	2555.0	2401.2	2372.2	2375.3	2372.2	2356.7
3239.7	30°	3361.6	3354.4	3045.6	2689.3	2393.9	2276.2	2278.3	2291.7	2293.7	2283.4
3491.7	32.5°	3602.2	3528.9	3052.8	2567.4	2240.0	2166.7	2168.8	2183.2	2193.6	2176.0
3821.2	35°	3893.5	3732.4	3041.5	2414.6	2121.3	2062.4	2046.9	2051.0	2054.1	2037.6
4220.9	37.5°	4233.3	3960.6	2990.9	2245.2	2023.2	1960.2	1927.1	1899.2	1882.7	1867.2
4673.2	40°	4606.1	4209.5	2897.9	2080.0	1913.7	1851.7	1802.2	1749.5	1693.7	1673.1
5152.4	42.5°	4996.5	4465.6	2785.3	1922.0	1787.7	1737.1	1684.4	1608.0	1524.3	1482.0
5650.2	45°	5401.3	4727.9	2674.8	1766.0	1658.6	1636.9	1576.0	1484.1	1393.2	1339.5
6149.0	47.5°	5797.9	4975.8	2512.7	1609.0	1537.8	1561.5	1514.0	1429.3	1328.1	1243.4
6643.7	50°	6176.9	5208.2	2247.3	1450.0	1439.7	1538.8	1493.4	1371.5	1255.8	1147.4
7129.1	52.5°	6552.8	5396.1	1907.5	1305.4	1387.0	1532.6	1466.5	1332.3	1190.8	1077.2
7585.6	55°	6871.9	5493.2	1580.1	1181.5	1310.6	1479.9	1434.5	1285.8	1098.8	978.0
7898.5	57.5°	7053.7	5414.7	1307.5	1059.6	1205.2	1393.2	1379.8	1186.6	989.4	896.4
7959.4	60°	6975.2	5096.6	1084.4	953.2	1105.0	1299.2	1284.7	1088.5	905.7	817.9
7633.1	62.5°	6542.5	4490.4	907.8	860.3	1014.2	1203.2	1189.7	1013.1	841.7	757.0
6766.6	65°	5670.8	3652.8	770.4	782.8	922.2	1087.5	1107.1	950.1	791.1	708.5
5235.0	67.5°	4325.2	2645.9	663.0	715.7	832.4	973.9	1030.7	904.7	748.7	670.3
3029.1	70°	2465.2	1502.7	572.1	650.6	752.9	868.5	971.8	868.5	703.3	638.2
1135.0	72.5°	934.6	689.9	494.7	585.6	676.5	779.7	906.8	811.7	650.6	602.1
586.6	75°	498.8	420.3	416.2	509.1	588.7	693.0	825.2	756.0	611.4	636.2
405.9	77.5°	339.8	297.4	348.0	435.8	492.6	596.9	738.4	671.3	529.8	527.7
280.9	80°	235.5	210.7	283.0	351.1	381.1	501.9	644.4	576.3	431.7	402.8
173.5	82.5°	141.5	137.4	211.7	262.3	269.5	387.3	533.9	483.3	353.2	307.8
103.3	85°	77.5	81.6	135.3	153.9	157.0	270.6	418.3	373.9	271.6	228.2
37.2	87.5°	21.7	27.9	49.6	60.9	75.4	140.5	248.9	222.0	136.3	95.0
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>
2545.7
2732.7
2851.4
2885.5
2866.9
2823.5
2763.6
2662.4
2551.9
2481.7
2423.9
2359.8
2288.6
2184.3
2049.0
1877.5
1682.4
1487.2
1335.4
1234.1
1138.1
1064.8
967.7
884.0
805.5
743.6
695.0
657.9
630.0
593.8
656.8
486.4
385.2
309.8
230.3
95.0
0.0

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