

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: P847805

Luminaire Tested: **GLAN-SB4A-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4A-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10467 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

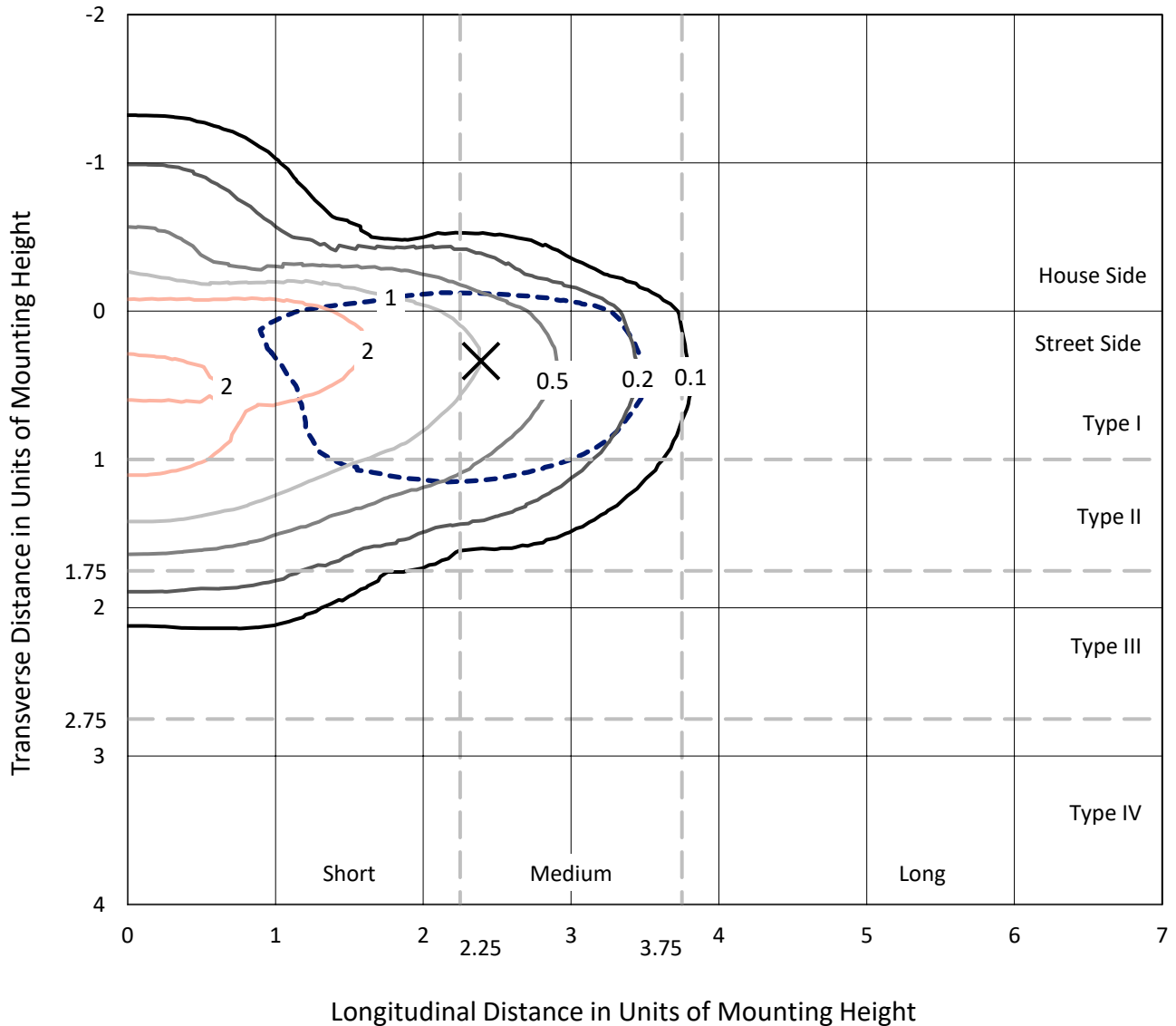
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

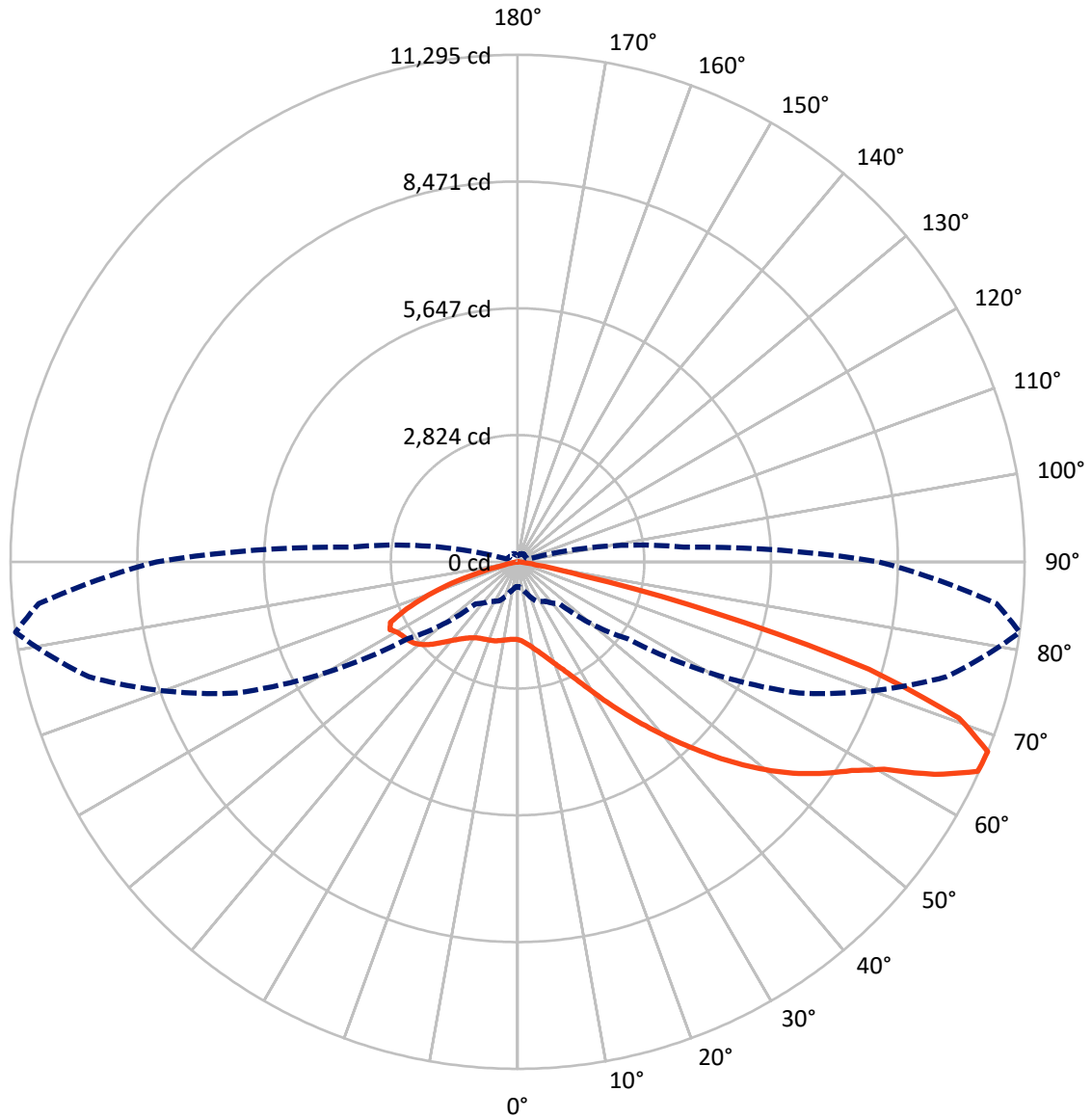
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1896.0	0.0	1896.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	8571.0	0.0	8571.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	10467.0	0.0	10467.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.5	1.5
10°-20°	401.5	3.8
20°-30°	643.0	6.1
30°-40°	1137.0	10.9
40°-50°	1992.2	19.0
50°-60°	2657.0	25.4
60°-70°	2473.5	23.6
70°-80°	949.3	9.1
80°-90°	59.0	0.6
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°	10467.0	100.0
0°-180°	10467.0	100.0

Coefficient of Utilization

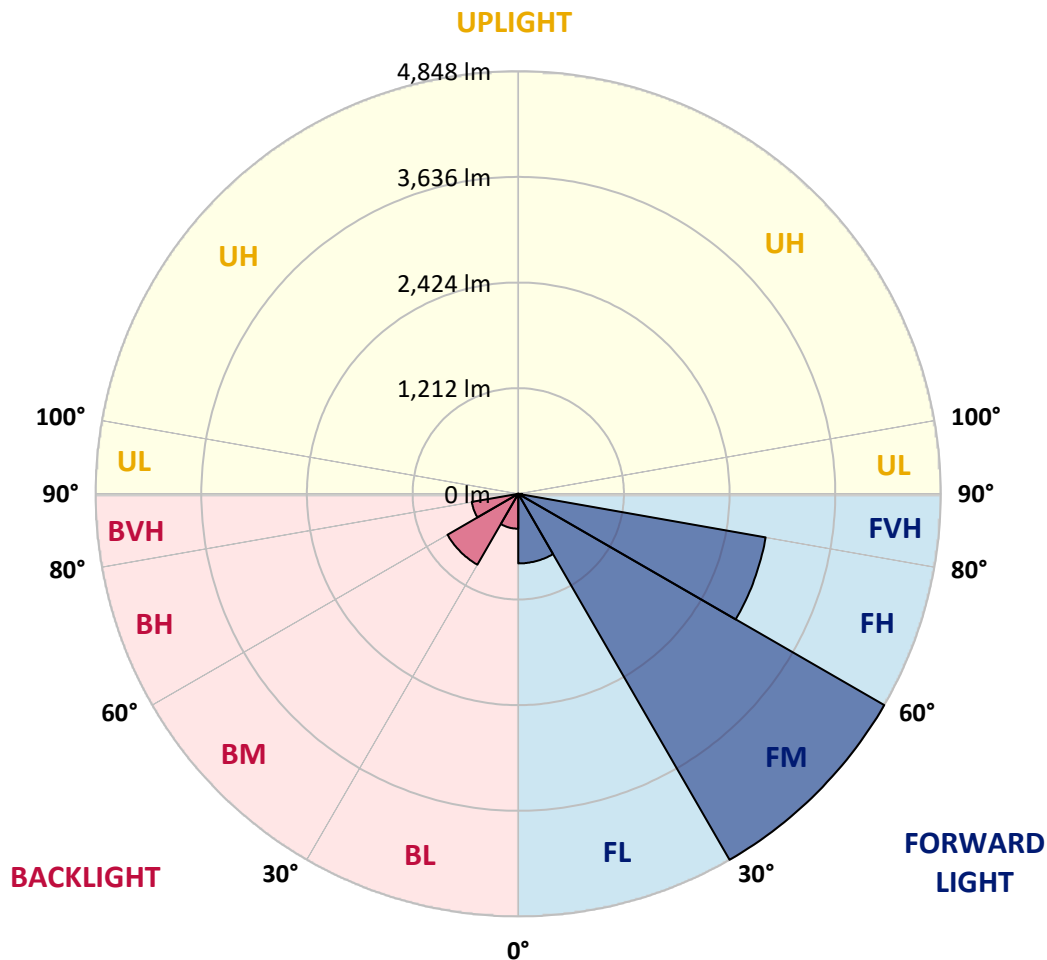


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	798.5	7.6			
FM (30°-60°)	4847.9	46.3			
FH (60°-80°)	2881.7	27.5			G2/5000
FVH (80°-90°)	42.9	0.4			G1/100
BL (0°-30°)	400.4	3.8	B1/500		
BM (30°-60°)	938.3	9.0	B1/1000		
BH (60°-80°)	541.2	5.2	B2/1000		G2/1000
BVH (80°-90°)	16.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0
2.5°	1832.7	1843.3	1837.3	1834.3	1829.0	1821.4	1815.4	1796.6	1777.0	1764.2
5°	1869.7	1880.2	1879.5	1882.5	1886.3	1888.5	1887.0	1865.9	1838.0	1816.2
7.5°	1838.0	1850.1	1859.9	1875.0	1901.3	1929.2	1942.8	1938.3	1909.6	1879.5
10°	1748.3	1761.2	1784.5	1819.9	1875.7	1936.0	1986.5	2009.8	1991.8	1958.6
12.5°	1584.1	1596.9	1642.8	1719.7	1813.2	1917.9	2014.4	2076.9	2081.4	2048.3
15°	1399.4	1412.2	1461.2	1557.7	1700.1	1868.2	2029.4	2147.8	2187.7	2159.1
17.5°	1284.9	1296.2	1333.1	1410.7	1559.2	1768.7	2024.2	2223.1	2314.3	2291.7
20°	1250.2	1260.0	1277.3	1331.6	1455.2	1665.5	1989.5	2294.0	2450.7	2437.9
22.5°	1287.1	1296.2	1301.5	1325.6	1403.2	1597.6	1945.8	2366.3	2609.0	2610.5
25°	1372.3	1381.3	1375.3	1390.4	1424.3	1576.5	1929.2	2451.5	2807.9	2824.5
27.5°	1512.5	1513.2	1498.9	1498.2	1503.4	1608.2	1946.5	2542.6	3058.9	3089.7
30°	1793.6	1782.3	1727.2	1667.7	1640.6	1703.1	1994.8	2650.4	3355.0	3410.0
32.5°	2226.9	2210.3	2109.3	1966.9	1823.7	1856.1	2081.4	2773.2	3677.6	3777.0
35°	2697.1	2692.6	2587.1	2375.3	2125.1	2073.9	2222.4	2934.5	4029.5	4187.7
37.5°	3134.2	3132.0	3071.7	2822.2	2517.8	2377.6	2448.4	3145.5	4406.3	4635.4
40°	3533.6	3540.4	3480.1	3257.0	2950.3	2767.2	2755.9	3406.3	4825.3	5123.0
42.5°	3878.8	3886.3	3825.3	3660.2	3377.6	3198.3	3133.5	3725.8	5234.5	5646.7
45°	4113.1	4159.9	4150.8	4018.9	3816.2	3630.1	3587.1	4126.7	5701.0	6202.1
47.5°	4179.5	4222.4	4290.2	4308.3	4184.7	4001.6	4052.8	4609.8	6172.7	6758.3
50°	4015.9	4055.9	4196.8	4384.4	4470.3	4413.8	4505.8	5127.5	6655.8	7312.9
52.5°	3693.4	3734.1	3911.9	4208.8	4559.3	4737.1	4960.2	5637.7	7123.8	7838.2
55°	3226.9	3269.9	3498.2	3834.3	4389.7	4870.5	5339.2	6147.1	7552.6	8310.7
57.5°	2592.4	2624.0	2861.4	3331.7	3963.2	4737.9	5618.8	6703.2	7956.5	8774.9
60°	1689.6	1717.4	1993.3	2517.8	3256.3	4294.8	5674.6	7323.5	8493.0	9378.5
62.5°	1123.6	1142.5	1306.0	1691.1	2293.2	3443.9	5348.3	7818.6	9279.8	10429.0
65°	770.9	789.8	953.3	1221.6	1481.6	2278.1	4410.1	7753.0	9992.7	11263.3
67.5°	550.1	566.0	704.6	957.8	1072.4	1323.3	2989.5	6915.0	9890.2	11294.9
70°	394.1	403.2	517.7	746.1	852.3	795.0	1662.4	5288.7	8659.6	10429.8
72.5°	275.8	278.8	359.5	568.2	686.5	580.3	791.3	3526.1	6549.5	8186.3
75°	186.9	190.7	241.9	416.7	550.9	443.1	419.0	1890.8	3844.9	4531.4
77.5°	114.5	116.1	156.0	284.9	412.2	337.6	269.8	801.1	1487.6	1460.5
80°	64.8	64.8	99.5	177.1	281.1	217.8	189.2	340.6	471.0	413.7
82.5°	36.2	36.9	72.3	110.0	186.1	128.9	104.0	157.5	203.5	180.1
85°	15.1	16.6	44.5	52.0	88.9	64.1	42.2	66.3	75.4	67.1
87.5°	1.5	2.3	13.6	9.8	10.6	12.8	6.0	12.8	10.6	10.6
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°
1734.0	0°	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0	1734.0
1759.6	2.5°	1745.3	1734.0	1705.4	1672.2	1628.5	1607.4	1578.8	1559.2	1542.6	1544.1
1803.4	5°	1779.2	1750.6	1686.6	1606.7	1507.2	1436.4	1361.0	1309.0	1266.8	1257.8
1863.6	7.5°	1826.0	1780.8	1668.5	1524.5	1356.5	1229.1	1115.3	1042.2	990.2	973.6
1936.7	10°	1886.3	1820.7	1645.1	1421.3	1179.4	1017.4	895.3	838.0	802.6	790.5
2022.7	12.5°	1956.3	1866.7	1614.2	1295.4	997.0	841.0	763.4	734.8	723.5	719.7
2128.2	15°	2044.5	1923.9	1567.5	1146.2	842.5	733.3	700.1	696.3	697.8	696.3
2254.8	17.5°	2149.3	1986.5	1491.4	992.5	738.5	678.2	666.2	669.2	673.0	672.2
2396.4	20°	2263.8	2048.3	1394.2	856.1	667.7	639.1	632.3	635.3	638.3	636.8
2560.0	22.5°	2394.2	2114.6	1286.4	749.8	620.2	602.9	595.3	596.1	596.1	593.1
2767.2	25°	2550.2	2187.7	1173.4	674.5	584.0	570.5	561.4	558.4	553.9	544.9
3018.9	27.5°	2736.3	2265.3	1064.8	621.7	555.4	542.6	532.0	524.5	513.2	498.1
3321.1	30°	2945.8	2359.5	972.9	588.6	532.8	520.0	507.9	496.6	480.0	461.2
3668.5	32.5°	3192.2	2460.5	905.8	566.7	512.4	498.9	484.6	471.0	452.9	434.1
4058.9	35°	3486.1	2582.6	866.6	551.6	496.6	478.5	462.7	447.6	434.1	417.5
4483.2	37.5°	3804.9	2712.2	854.6	544.1	486.1	458.2	440.1	429.6	428.0	418.2
4942.1	40°	4153.8	2865.9	863.6	539.6	474.8	438.6	419.0	416.7	420.5	403.2
5432.7	42.5°	4523.1	3048.3	878.7	534.3	458.9	419.0	400.2	400.2	397.1	373.0
5951.2	45°	4922.5	3258.6	893.8	521.5	440.1	399.4	385.1	379.8	367.0	343.6
6472.6	47.5°	5324.9	3472.6	905.1	498.1	417.5	382.8	370.0	358.0	339.1	318.0
6984.3	50°	5707.0	3664.7	893.0	463.5	391.9	367.0	353.4	336.9	316.5	302.2
7468.9	52.5°	6048.4	3831.3	841.8	422.8	364.7	350.4	338.4	321.0	304.5	289.4
7906.0	55°	6345.3	3966.2	751.3	384.3	340.6	336.1	324.0	302.2	279.6	266.8
8339.3	57.5°	6630.2	4068.7	638.3	352.7	318.8	320.3	302.2	282.6	261.5	247.9
8923.3	60°	7009.2	4205.8	523.8	323.3	295.4	299.9	280.3	266.0	239.6	222.3
9924.9	62.5°	7615.1	4419.1	416.0	287.1	268.3	269.8	261.5	244.2	212.5	192.2
10667.2	65°	8095.9	4340.7	327.8	247.9	237.4	239.6	239.6	220.8	186.9	163.5
10707.1	67.5°	8041.6	3716.7	261.5	209.5	208.0	209.5	214.8	198.9	165.8	147.0
9891.7	70°	7407.9	2956.4	209.5	174.1	180.9	177.1	192.2	181.6	149.2	130.4
7668.6	72.5°	6044.6	2129.7	159.8	143.9	138.7	144.7	173.3	163.5	124.3	103.2
4061.9	75°	3532.1	1136.4	119.1	113.8	100.2	120.6	153.7	139.4	95.0	76.1
1244.9	77.5°	1150.0	396.4	87.4	83.6	74.6	97.2	131.1	117.6	77.6	60.3
364.7	80°	308.2	119.8	59.5	55.0	48.2	72.3	104.0	93.4	55.8	39.2
156.7	82.5°	123.6	50.5	34.7	30.9	26.4	49.7	82.1	75.4	41.4	24.9
49.0	85°	39.9	16.6	12.8	9.8	12.1	30.9	49.0	51.2	29.4	12.8
7.5	87.5°	5.3	2.3	2.3	3.0	2.3	5.3	15.1	14.3	8.3	1.5
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°
1734.0
1529.0
1237.4
957.1
781.5
717.4
695.6
670.7
636.0
591.6
543.3
496.6
459.7
434.8
416.0
417.5
403.9
373.0
342.9
317.3
299.9
287.9
265.3
246.4
220.1
190.7
161.3
143.9
128.1
101.0
73.9
58.0
38.4
24.9
9.8
0.0
0.0

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