

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: P846488

Luminaire Tested: **GLAN-SB2A-850-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846488
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-SB2A-850-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7708 lumens
Efficiency: N/A
Efficacy: 134.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

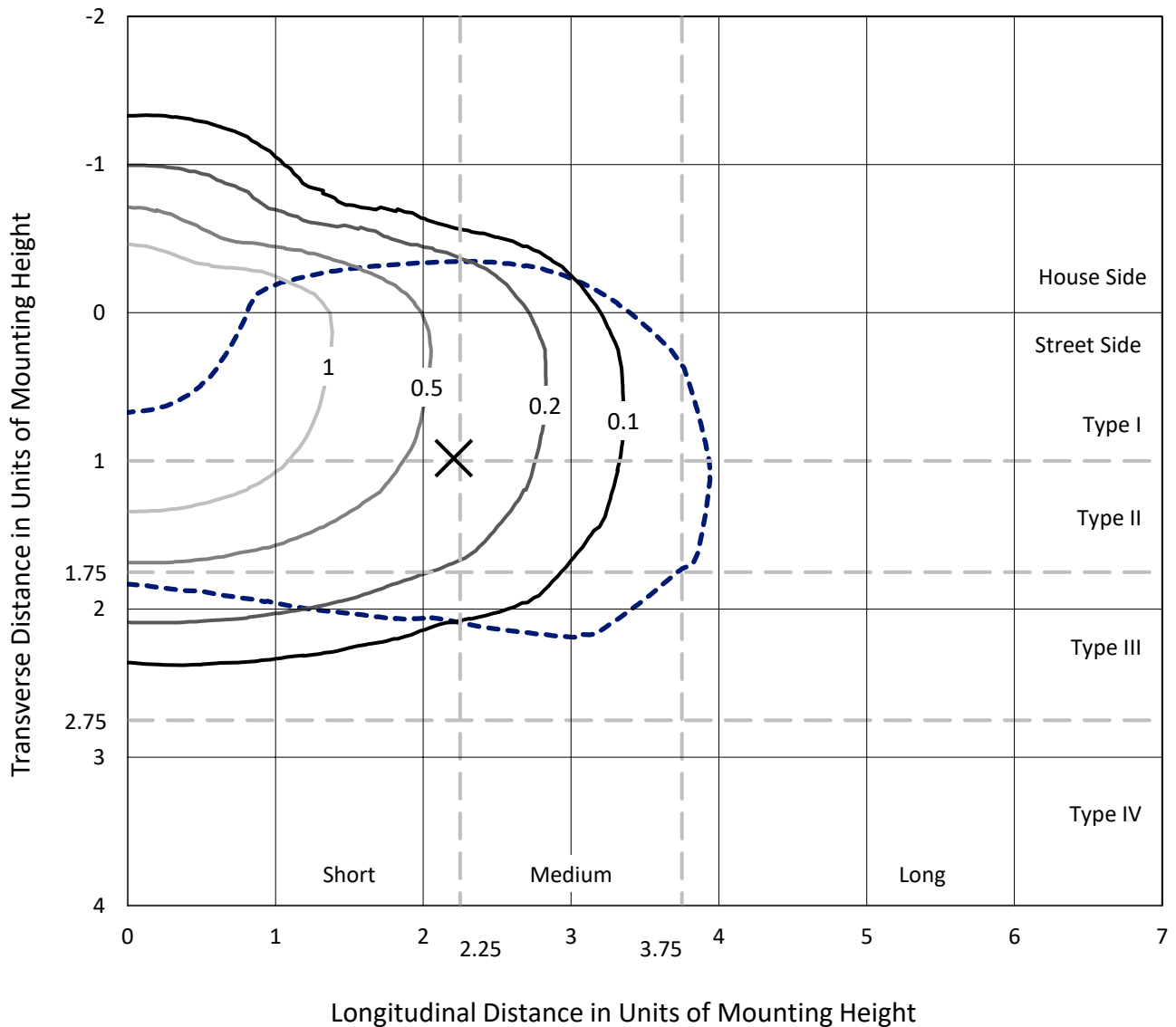
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

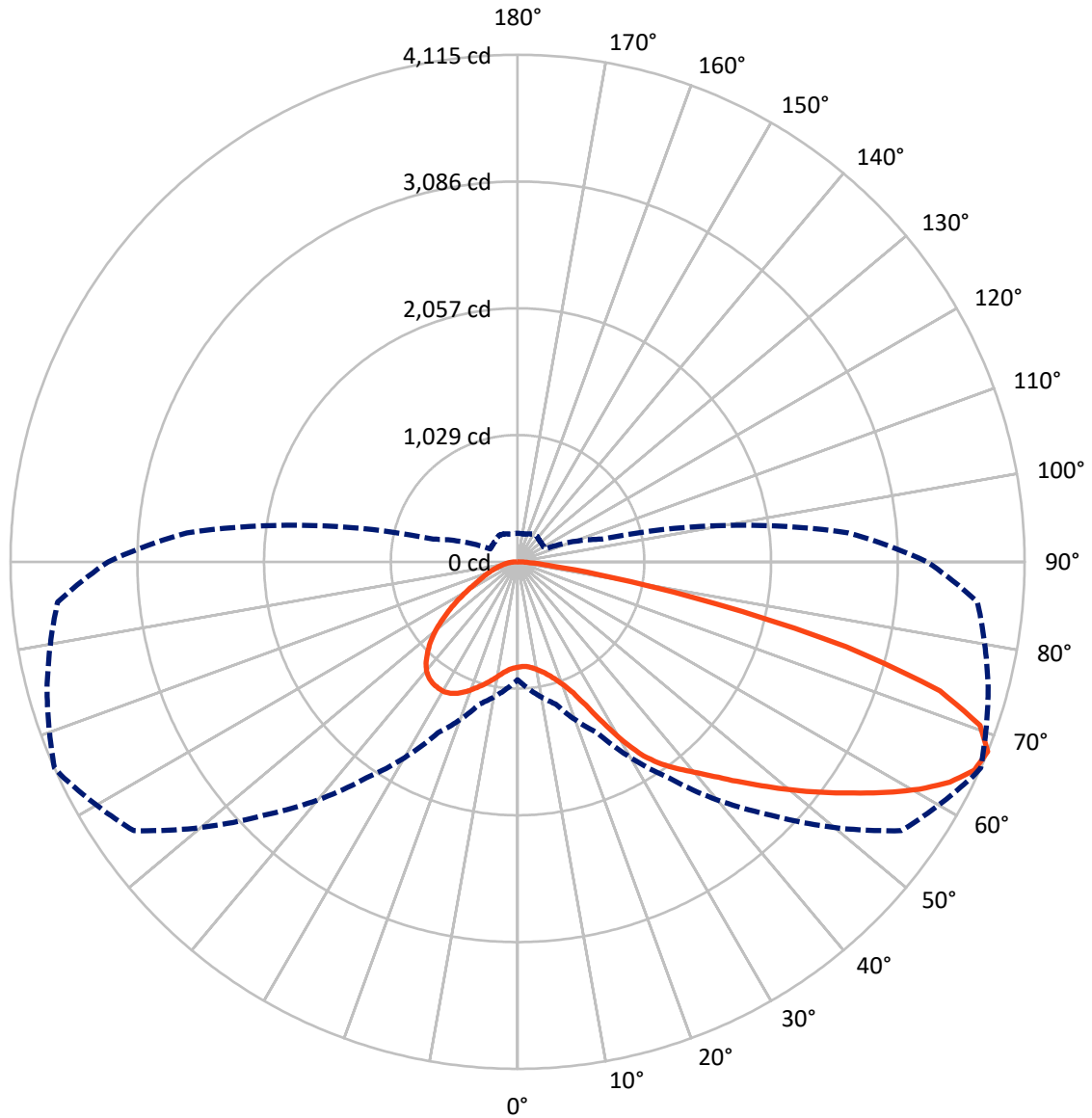
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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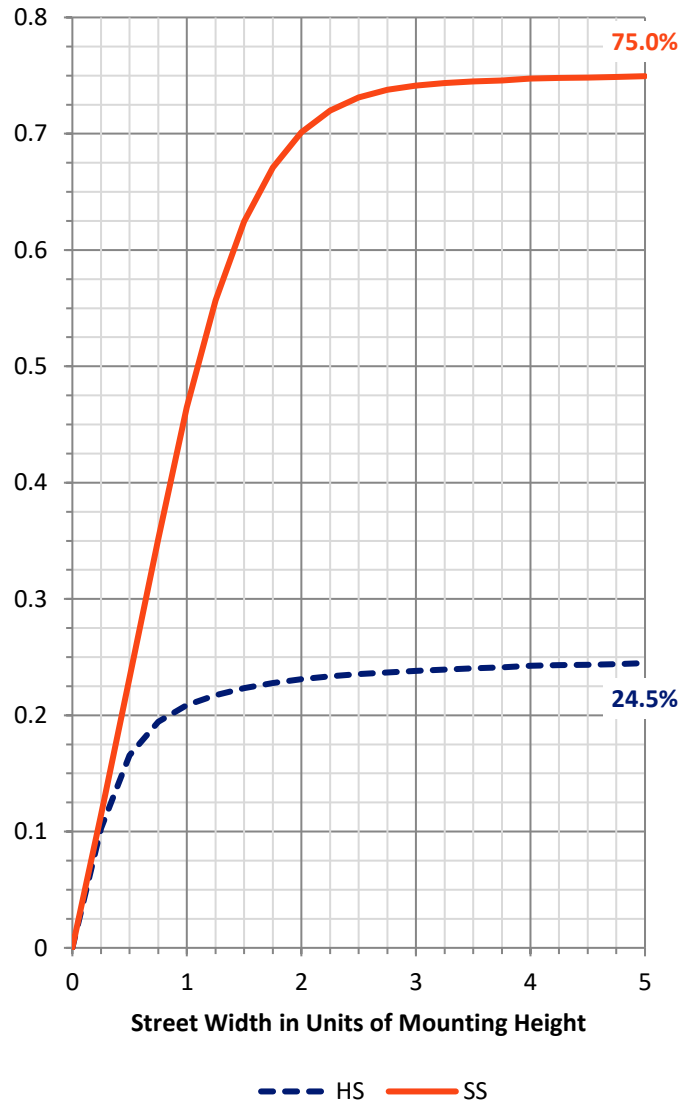
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1916.6	0.0	1916.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5791.4	0.0	5791.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	7708.0	0.0	7708.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.8	1.1
10°-20°	280.0	3.6
20°-30°	539.8	7.0
30°-40°	946.4	12.3
40°-50°	1407.0	18.3
50°-60°	1783.5	23.1
60°-70°	1745.1	22.6
70°-80°	832.4	10.8
80°-90°	89.0	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°	7708.0	100.0
0°-180°	7708.0	100.0

Coefficient of Utilization



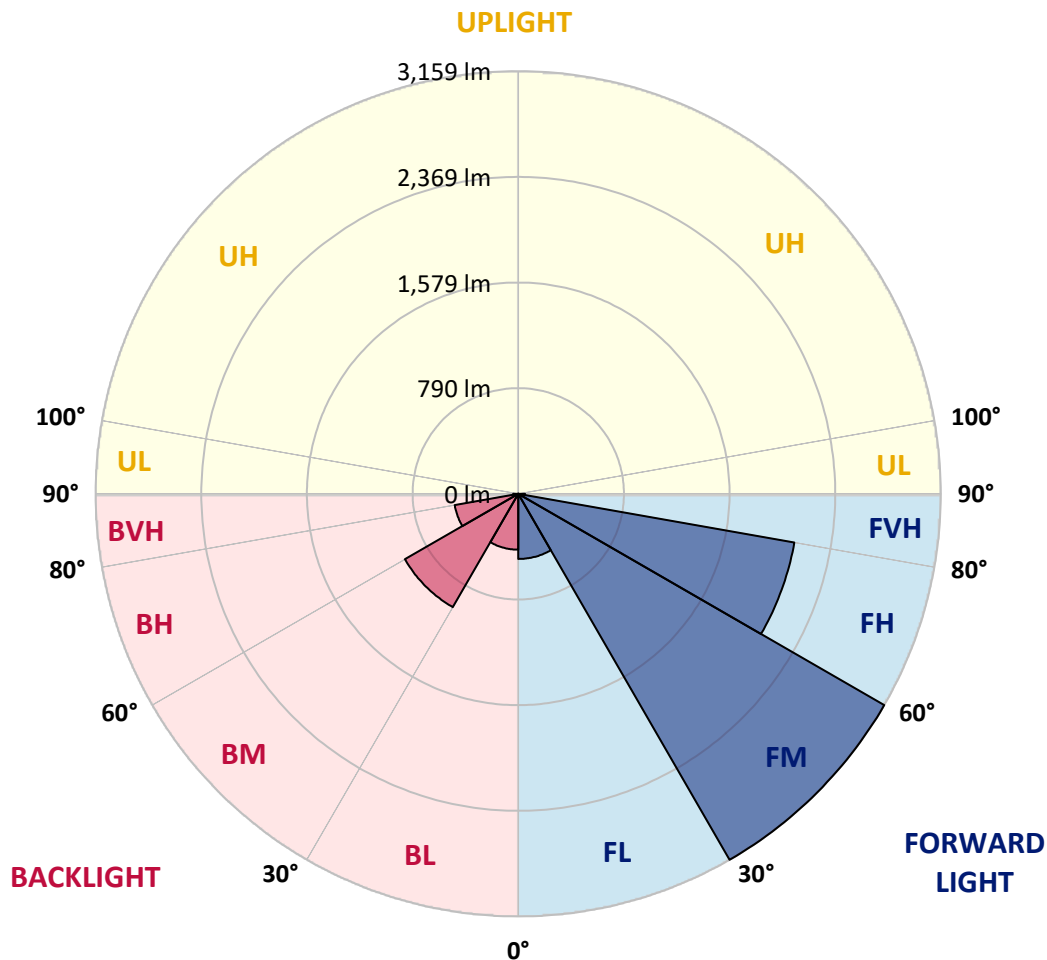
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	487.1	6.3			
FM (30°-60°)	3158.7	41.0			
FH (60°-80°)	2095.2	27.2			G2/5000
FVH (80°-90°)	50.4	0.7			G1/100
BL (0°-30°)	417.5	5.4	B1/500		
BM (30°-60°)	978.2	12.7	B1/1000		
BH (60°-80°)	482.3	6.3	B1/500		G1/500
BVH (80°-90°)	38.5	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	854.9	854.9	854.9	854.9	854.9	854.9	854.9	854.9	854.9	854.9
2.5°	846.0	850.9	849.7	847.6	847.2	848.0	849.2	850.5	850.1	852.1
5°	843.6	848.4	848.0	848.0	849.7	852.9	854.9	856.9	854.9	857.3
7.5°	845.2	848.8	850.5	852.1	856.1	862.2	867.1	871.5	869.1	871.9
10°	865.9	868.7	870.3	870.3	873.1	880.0	884.9	893.0	891.0	895.4
12.5°	903.5	906.4	906.4	904.7	906.8	911.2	912.8	921.7	918.1	925.4
15°	949.7	955.4	950.9	948.1	948.9	953.3	952.9	959.8	956.2	962.2
17.5°	1000.7	1008.0	1000.7	1000.3	998.7	1003.5	1004.0	1010.0	1003.5	1008.0
20°	1061.1	1071.2	1065.1	1067.1	1063.5	1065.5	1067.5	1076.4	1066.3	1069.6
22.5°	1146.1	1158.3	1151.8	1159.5	1157.0	1155.4	1155.0	1170.8	1155.0	1156.2
25°	1270.0	1284.6	1273.3	1283.8	1283.8	1289.1	1295.1	1315.4	1289.1	1281.4
27.5°	1453.1	1467.7	1445.4	1451.9	1449.8	1462.8	1456.3	1506.5	1478.2	1465.6
30°	1673.4	1699.3	1657.2	1655.6	1653.5	1674.2	1683.5	1716.7	1688.0	1675.4
32.5°	1911.5	1938.7	1888.4	1873.9	1866.2	1878.7	1871.0	1897.8	1877.9	1858.5
35°	2163.4	2190.1	2142.4	2114.0	2083.2	2056.9	2029.4	2036.3	2017.6	1988.1
37.5°	2401.5	2450.6	2399.9	2369.6	2312.9	2261.4	2184.5	2152.5	2135.1	2107.9
40°	2644.1	2672.1	2633.6	2607.7	2546.1	2465.5	2342.4	2274.8	2251.3	2225.0
42.5°	2822.7	2849.5	2828.8	2811.0	2762.8	2669.2	2510.1	2425.4	2391.4	2361.9
45°	2964.5	2984.3	2971.4	2977.8	2957.2	2866.5	2683.8	2587.0	2551.8	2515.8
47.5°	3021.6	3042.6	3063.3	3101.8	3137.0	3070.2	2870.5	2762.0	2724.7	2687.9
50°	3015.1	3036.6	3096.5	3178.3	3287.7	3265.4	3067.3	2948.3	2913.9	2871.7
52.5°	2963.3	2987.6	3064.5	3200.6	3374.7	3411.6	3267.8	3140.6	3108.2	3058.0
55°	2827.2	2841.8	2957.2	3150.0	3395.4	3513.6	3464.2	3345.6	3313.2	3243.1
57.5°	2574.9	2595.9	2764.0	3013.5	3343.5	3582.9	3636.7	3561.0	3529.8	3429.0
60°	2245.6	2279.2	2471.6	2784.3	3211.5	3582.5	3793.5	3772.8	3746.9	3612.0
62.5°	1873.0	1911.9	2097.0	2460.3	2980.7	3480.8	3891.5	3950.2	3936.8	3780.9
65°	1438.5	1465.2	1649.5	2041.1	2621.5	3262.5	3902.8	4071.3	4073.7	3909.3
67.5°	957.8	1034.7	1194.7	1531.6	2140.3	2905.8	3803.2	4091.1	4114.6	3953.4
70°	467.4	568.6	725.3	995.4	1531.6	2358.6	3542.8	3928.3	3980.6	3824.7
72.5°	194.0	226.8	312.2	491.2	879.2	1591.6	3019.6	3486.9	3583.7	3388.9
75°	130.8	141.7	178.6	251.9	400.5	784.9	2177.6	2600.0	2755.9	2559.5
77.5°	100.8	107.7	130.0	176.2	238.1	296.9	1165.5	1566.9	1647.5	1525.2
80°	79.4	84.6	97.2	128.4	168.9	158.8	397.3	709.9	756.5	634.6
82.5°	68.8	70.9	69.7	87.1	112.2	92.7	130.4	262.0	289.2	209.8
85°	49.8	55.5	57.9	53.9	59.5	47.0	53.5	92.7	102.1	91.1
87.5°	20.2	30.0	36.9	34.8	21.9	13.4	16.6	27.1	31.2	34.0
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°
854.9	0°	854.9	854.9	854.9	854.9	854.9	854.9	854.9	854.9	854.9	854.9
855.3	2.5°	855.7	858.6	860.6	863.0	864.6	867.1	871.9	874.8	875.2	877.2
861.8	5°	863.4	867.5	871.9	878.4	885.7	891.8	901.1	907.6	910.0	912.0
877.6	7.5°	880.0	885.7	893.8	905.1	915.7	923.8	935.1	942.8	950.5	953.3
902.7	10°	904.7	912.8	924.6	940.0	951.3	961.8	973.6	980.1	987.8	991.0
932.7	12.5°	935.5	944.0	959.4	980.9	991.4	998.7	1002.7	1001.1	1002.7	1005.6
968.7	15°	970.7	980.1	997.5	1020.6	1027.8	1021.4	1012.5	1004.4	1003.1	1004.0
1012.5	17.5°	1012.5	1019.3	1039.6	1059.0	1053.8	1027.0	1007.6	994.6	988.2	986.1
1068.3	20°	1070.8	1070.8	1087.4	1099.5	1064.3	1018.9	988.6	967.5	954.1	948.5
1144.5	22.5°	1141.6	1135.2	1145.7	1137.2	1062.3	996.3	954.1	917.7	897.4	889.3
1251.0	25°	1231.6	1223.9	1221.0	1168.4	1047.7	960.2	891.8	847.6	829.8	825.4
1404.5	27.5°	1367.2	1347.8	1310.9	1185.4	1021.0	903.5	818.9	778.0	767.8	768.3
1601.7	30°	1547.8	1509.0	1418.7	1188.2	977.2	823.3	744.4	715.2	710.3	712.4
1767.3	32.5°	1715.1	1678.2	1528.8	1175.3	910.0	744.8	677.5	658.1	650.8	653.2
1893.7	35°	1846.3	1836.2	1630.9	1157.0	827.4	671.1	617.6	601.0	586.8	583.6
2012.8	37.5°	1970.2	1966.2	1707.4	1131.5	745.6	618.8	569.4	547.5	526.9	515.5
2144.4	40°	2106.3	2102.3	1757.6	1092.2	673.1	573.5	526.1	497.3	471.8	451.2
2293.4	42.5°	2259.4	2235.5	1781.5	1035.9	611.5	535.0	490.8	452.0	418.3	399.3
2461.9	45°	2426.7	2372.8	1781.1	964.3	559.7	499.7	453.2	398.1	366.9	349.1
2634.8	47.5°	2604.0	2504.0	1759.2	884.9	509.5	460.9	394.9	352.7	332.1	321.2
2822.7	50°	2787.1	2626.7	1722.0	793.8	458.0	416.7	358.4	329.7	313.9	303.7
3009.0	52.5°	2959.2	2738.1	1677.0	690.5	405.8	373.8	342.2	319.9	303.3	292.0
3189.6	55°	3119.2	2834.1	1613.5	584.8	363.3	345.0	334.5	315.9	296.9	283.5
3373.1	57.5°	3261.3	2896.4	1503.7	485.6	332.9	325.2	326.4	309.0	287.1	275.8
3553.7	60°	3379.6	2942.2	1341.3	393.6	308.2	305.8	313.9	296.0	270.5	257.6
3706.4	62.5°	3450.5	2941.4	1142.1	322.4	287.1	287.9	297.3	279.8	253.9	241.8
3786.2	65°	3444.4	2869.3	923.4	275.8	266.9	267.7	279.8	262.0	240.2	232.9
3746.1	67.5°	3322.5	2693.5	708.3	245.4	244.6	248.3	262.4	249.9	231.7	230.8
3507.2	70°	2992.4	2328.7	510.3	221.1	221.5	226.8	245.4	242.2	227.2	228.8
2948.7	72.5°	2399.5	1775.4	342.6	195.6	196.0	204.5	229.2	236.1	222.7	244.2
2092.1	75°	1598.1	1107.2	220.3	168.5	168.9	179.8	215.0	224.4	210.6	243.4
1088.6	77.5°	767.8	497.7	159.6	141.7	141.7	151.9	185.9	200.9	179.4	189.1
349.9	80°	265.3	187.1	125.5	114.2	111.8	118.7	156.7	174.1	154.7	142.6
114.2	82.5°	104.5	97.2	100.8	88.7	80.6	85.0	121.9	143.8	113.8	102.9
64.4	85°	59.9	63.2	71.3	58.7	46.6	52.2	89.5	103.3	85.9	75.7
21.1	87.5°	16.2	22.3	32.8	30.4	21.1	22.3	42.5	57.1	49.4	38.1
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°
854.9
876.8
911.6
953.7
992.6
1006.4
1006.8
989.0
947.3
888.1
826.2
769.5
719.2
656.5
586.0
515.9
453.2
400.5
348.3
318.7
300.1
287.1
278.2
268.5
251.9
238.1
232.5
232.1
228.4
247.4
245.4
173.3
133.6
102.5
77.4
39.3
0.0

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