

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: P846058

Luminaire Tested: **GLAN-SB1C-730-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846058
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-SB1C-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7242 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

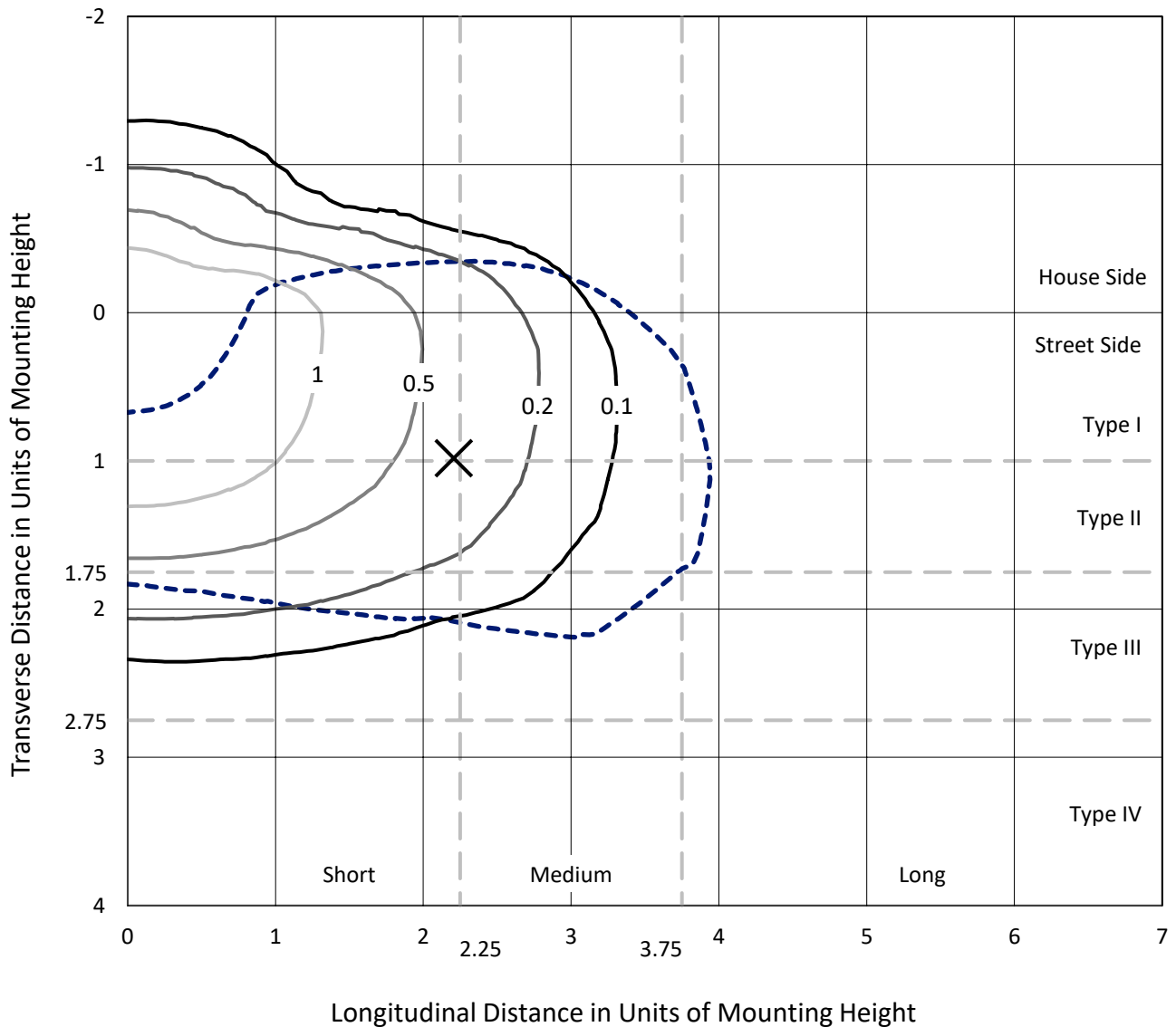
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

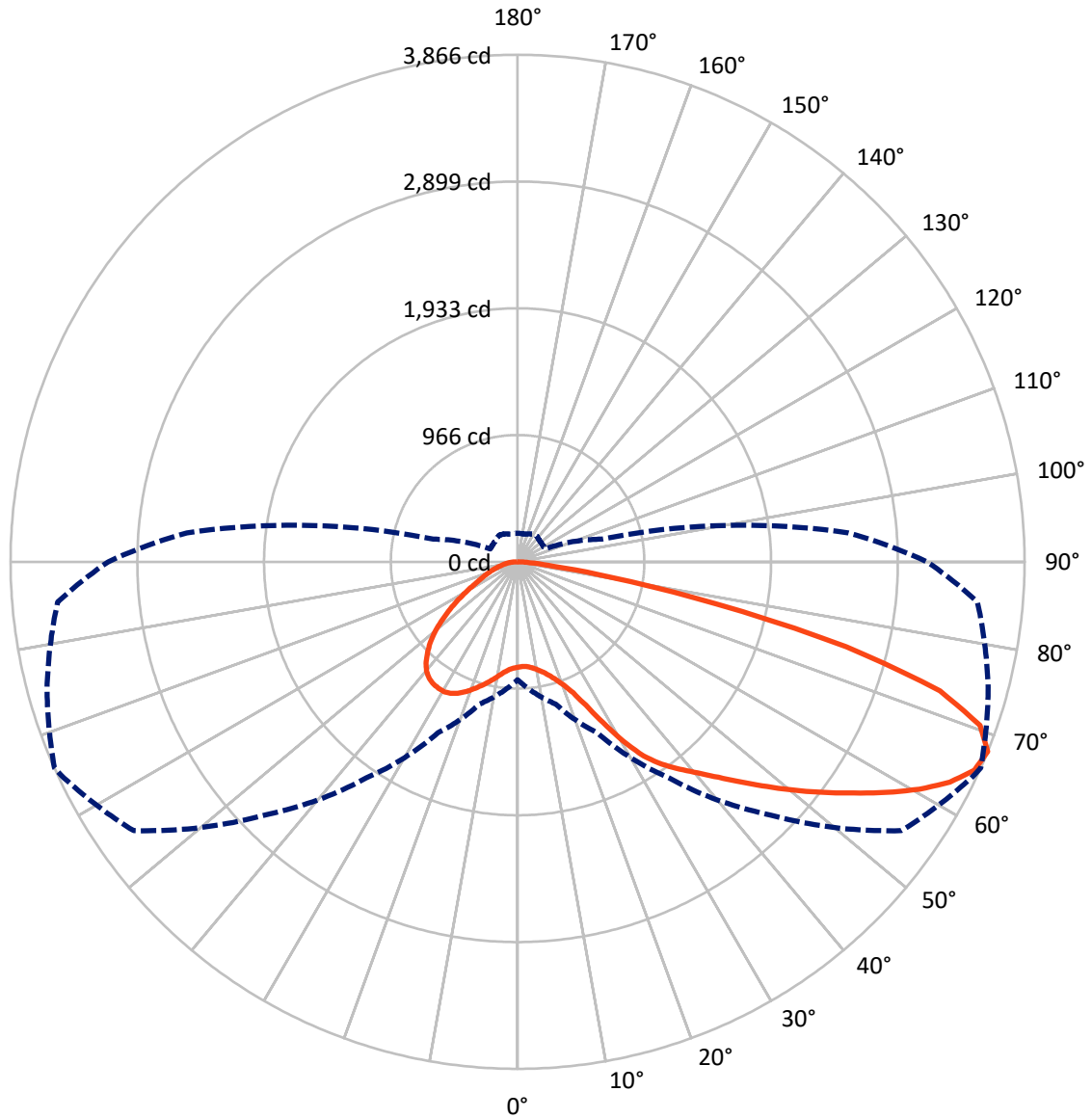
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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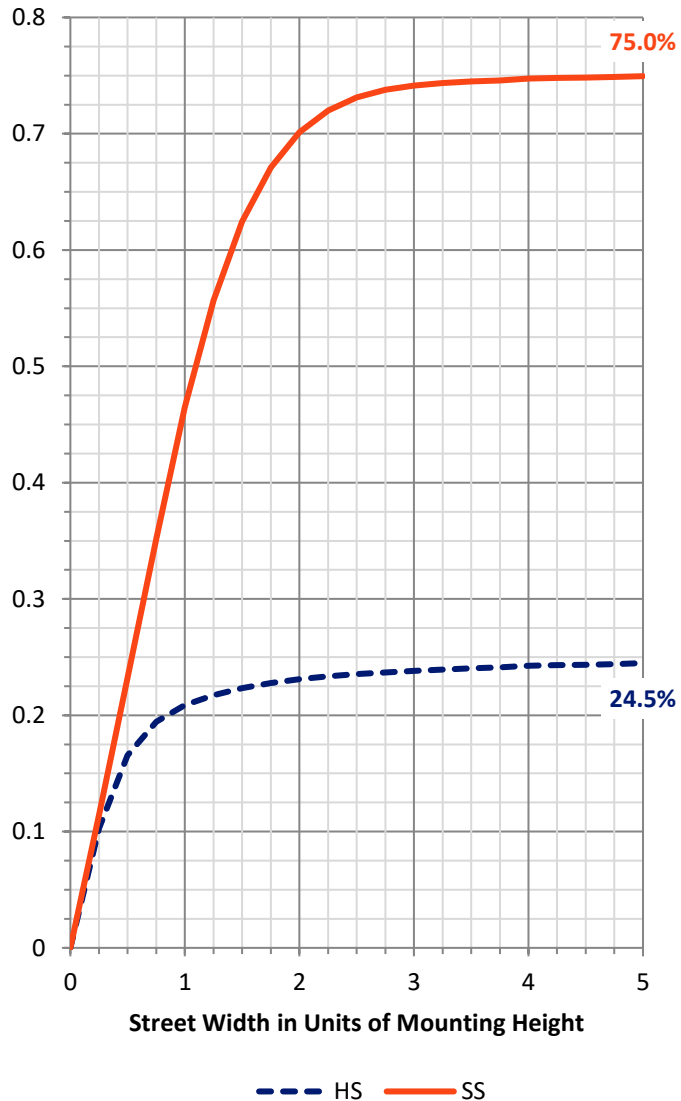
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1800.7	0.0	1800.7
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	5441.3	0.0	5441.3
	% Fixture	75.1	0.0	75.1
Total	Lumens	7242.0	0.0	7242.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.6	1.1
10°-20°	263.1	3.6
20°-30°	507.1	7.0
30°-40°	889.2	12.3
40°-50°	1321.9	18.3
50°-60°	1675.7	23.1
60°-70°	1639.6	22.6
70°-80°	782.1	10.8
80°-90°	83.6	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°	7242.0	100.0
0°-180°	7242.0	100.0

Coefficient of Utilization



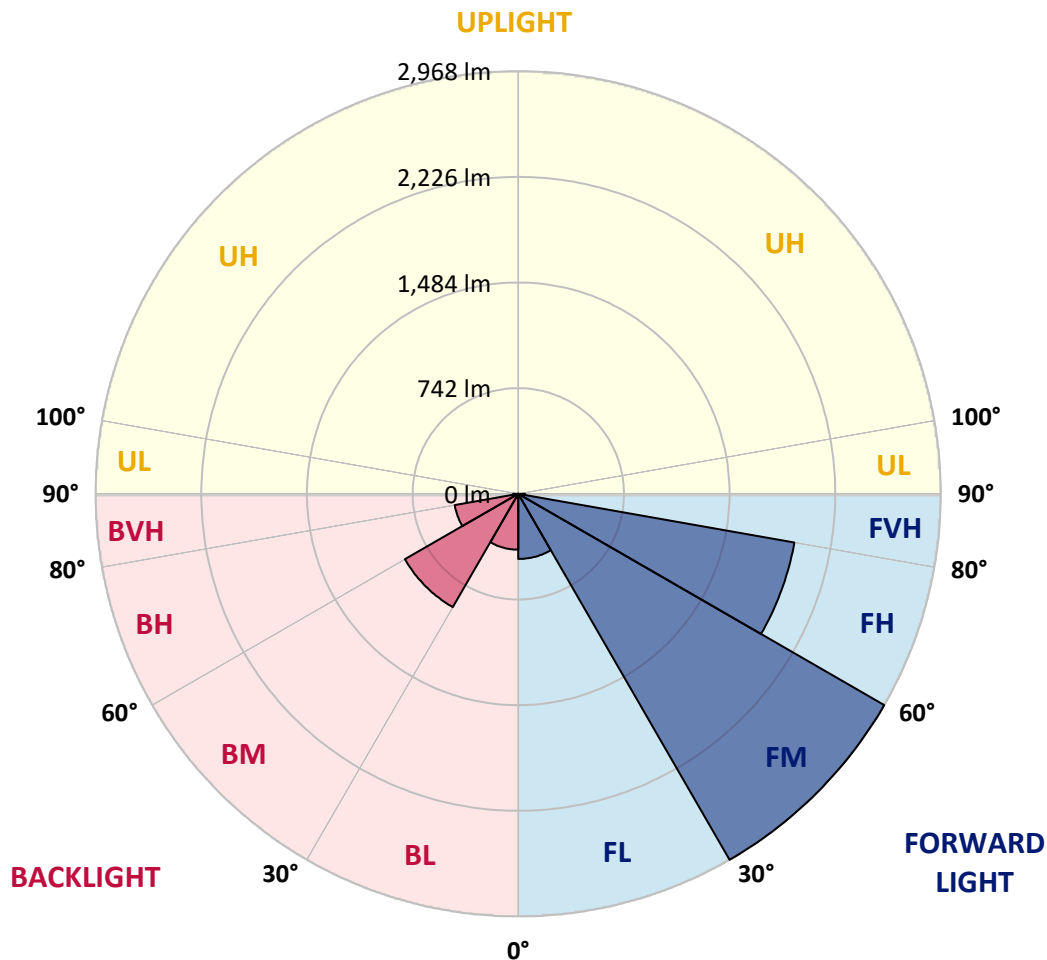
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	457.6	6.3			
FM (30°-60°)	2967.7	41.0			
FH (60°-80°)	1968.6	27.2			G2/5000
FVH (80°-90°)	47.4	0.7			G1/100
BL (0°-30°)	392.3	5.4	B1/500		
BM (30°-60°)	919.1	12.7	B1/1000		
BH (60°-80°)	453.2	6.3	B1/500		G1/500
BVH (80°-90°)	36.2	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°	803.2	803.2	803.2	803.2	803.2	803.2	803.2	803.2	803.2	803.2
2.5°	794.9	799.4	798.3	796.4	796.0	796.8	797.9	799.0	798.7	800.6
5°	792.6	797.1	796.8	796.8	798.3	801.3	803.2	805.1	803.2	805.5
7.5°	794.1	797.5	799.0	800.6	804.4	810.1	814.6	818.8	816.6	819.2
10°	813.5	816.2	817.7	817.7	820.4	826.8	831.4	839.0	837.1	841.3
12.5°	848.9	851.6	851.6	850.0	851.9	856.1	857.6	866.0	862.6	869.4
15°	892.3	897.6	893.4	890.7	891.5	895.7	895.3	901.8	898.4	904.1
17.5°	940.2	947.1	940.2	939.8	938.3	942.9	943.3	949.0	942.9	947.1
20°	996.9	1006.4	1000.7	1002.6	999.2	1001.1	1003.0	1011.4	1001.9	1004.9
22.5°	1076.8	1088.2	1082.1	1089.4	1087.1	1085.6	1085.2	1100.0	1085.2	1086.3
25°	1193.2	1206.9	1196.3	1206.2	1206.2	1211.1	1216.8	1235.9	1211.1	1203.9
27.5°	1365.2	1378.9	1358.0	1364.1	1362.2	1374.4	1368.3	1415.5	1388.8	1377.0
30°	1572.2	1596.6	1557.0	1555.5	1553.6	1573.0	1581.7	1612.9	1585.9	1574.1
32.5°	1796.0	1821.4	1774.3	1760.6	1753.3	1765.1	1757.9	1783.0	1764.4	1746.1
35°	2032.6	2057.7	2012.8	1986.2	1957.3	1932.6	1906.7	1913.1	1895.6	1867.9
37.5°	2256.4	2302.4	2254.8	2226.3	2173.0	2124.7	2052.4	2022.4	2006.0	1980.5
40°	2484.3	2510.5	2474.4	2450.0	2392.2	2316.5	2200.8	2137.3	2115.2	2090.5
42.5°	2652.1	2677.2	2657.8	2641.0	2595.8	2507.9	2358.3	2278.8	2246.8	2219.1
45°	2785.3	2803.9	2791.7	2797.8	2778.4	2693.2	2521.6	2430.6	2397.5	2363.7
47.5°	2838.9	2858.7	2878.1	2914.2	2947.3	2884.6	2697.0	2595.0	2560.0	2525.4
50°	2832.8	2853.0	2909.3	2986.2	3088.9	3068.0	2881.9	2770.0	2737.7	2698.1
52.5°	2784.1	2806.9	2879.2	3007.1	3170.7	3205.3	3070.2	2950.8	2920.3	2873.1
55°	2656.3	2670.0	2778.4	2959.5	3190.1	3301.2	3254.8	3143.3	3112.9	3047.0
57.5°	2419.2	2439.0	2596.9	2831.3	3141.4	3366.3	3416.9	3345.7	3316.4	3221.7
60°	2109.9	2141.4	2322.2	2615.9	3017.4	3365.9	3564.1	3544.7	3520.4	3393.7
62.5°	1759.8	1796.3	1970.2	2311.5	2800.5	3270.4	3656.2	3711.4	3698.8	3552.3
65°	1351.5	1376.6	1549.8	1917.7	2463.0	3065.3	3666.9	3825.2	3827.4	3673.0
67.5°	899.9	972.2	1122.5	1439.0	2010.9	2730.1	3573.3	3843.8	3865.9	3714.4
70°	439.1	534.2	681.5	935.3	1439.0	2216.0	3328.6	3690.8	3739.9	3593.4
72.5°	182.3	213.1	293.4	461.5	826.1	1495.4	2837.0	3276.1	3367.0	3184.0
75°	122.9	133.2	167.8	236.7	376.3	737.4	2045.9	2442.8	2589.3	2404.8
77.5°	94.7	101.2	122.1	165.5	223.7	278.9	1095.1	1472.2	1547.9	1433.0
80°	74.6	79.5	91.3	120.6	158.7	149.2	373.3	667.0	710.8	596.2
82.5°	64.7	66.6	65.4	81.8	105.4	87.1	122.5	246.2	271.7	197.1
85°	46.8	52.1	54.4	50.6	55.9	44.1	50.2	87.1	95.9	85.6
87.5°	19.0	28.2	34.6	32.7	20.5	12.6	15.6	25.5	29.3	32.0
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°
803.2	0°	803.2	803.2	803.2	803.2	803.2	803.2	803.2	803.2	803.2	803.2
803.6	2.5°	804.0	806.7	808.6	810.8	812.4	814.6	819.2	821.9	822.3	824.2
809.7	5°	811.2	815.0	819.2	825.3	832.2	837.9	846.6	852.7	855.0	856.9
824.5	7.5°	826.8	832.2	839.8	850.4	860.3	867.9	878.6	885.8	893.0	895.7
848.1	10°	850.0	857.6	868.7	883.1	893.8	903.7	914.7	920.8	928.0	931.1
876.3	12.5°	879.0	886.9	901.4	921.6	931.5	938.3	942.1	940.6	942.1	944.8
910.2	15°	912.1	920.8	937.2	958.9	965.7	959.6	951.2	943.6	942.5	943.3
951.2	17.5°	951.2	957.7	976.7	995.0	990.1	964.9	946.7	934.5	928.4	926.5
1003.8	20°	1006.0	1006.0	1021.6	1033.1	1000.0	957.3	928.8	909.0	896.5	891.1
1075.3	22.5°	1072.6	1066.5	1076.4	1068.4	998.0	936.0	896.5	862.2	843.2	835.6
1175.4	25°	1157.1	1149.9	1147.2	1097.7	984.4	902.2	837.9	796.4	779.6	775.5
1319.6	27.5°	1284.6	1266.3	1231.7	1113.7	959.2	848.9	769.4	730.9	721.4	721.8
1504.9	30°	1454.3	1417.7	1332.9	1116.4	918.1	773.6	699.4	672.0	667.4	669.3
1660.5	32.5°	1611.4	1576.8	1436.4	1104.2	855.0	699.7	636.6	618.3	611.5	613.7
1779.2	35°	1734.7	1725.2	1532.3	1087.1	777.4	630.5	580.3	564.7	551.3	548.3
1891.1	37.5°	1851.1	1847.3	1604.2	1063.1	700.5	581.4	535.0	514.4	495.0	484.4
2014.7	40°	1979.0	1975.2	1651.4	1026.2	632.4	538.8	494.3	467.3	443.3	423.9
2154.8	42.5°	2122.8	2100.4	1673.8	973.3	574.6	502.6	461.2	424.6	393.1	375.2
2313.1	45°	2280.0	2229.3	1673.4	906.0	525.8	469.5	425.8	374.0	344.7	328.0
2475.5	47.5°	2446.6	2352.6	1652.9	831.4	478.7	433.0	371.0	331.4	312.0	301.7
2652.1	50°	2618.6	2467.9	1617.9	745.8	430.3	391.5	336.7	309.7	294.9	285.4
2827.1	52.5°	2780.3	2572.6	1575.6	648.8	381.3	351.2	321.5	300.6	285.0	274.3
2996.8	55°	2930.6	2662.7	1515.9	549.4	341.3	324.2	314.3	296.8	278.9	266.3
3169.2	57.5°	3064.2	2721.3	1412.8	456.2	312.8	305.5	306.7	290.3	269.8	259.1
3338.9	60°	3175.3	2764.3	1260.2	369.8	289.6	287.3	294.9	278.1	254.2	242.0
3482.3	62.5°	3241.9	2763.6	1073.0	302.9	269.8	270.5	279.3	262.9	238.6	227.2
3557.3	65°	3236.1	2695.8	867.5	259.1	250.7	251.5	262.9	246.2	225.6	218.8
3519.6	67.5°	3121.6	2530.7	665.5	230.6	229.8	233.2	246.6	234.8	217.6	216.9
3295.1	70°	2811.5	2187.9	479.4	207.8	208.1	213.1	230.6	227.5	213.5	215.0
2770.4	72.5°	2254.5	1668.1	321.9	183.8	184.2	192.2	215.4	221.8	209.3	229.4
1965.7	75°	1501.4	1040.3	207.0	158.3	158.7	168.9	202.0	210.8	197.9	228.7
1022.8	77.5°	721.4	467.6	149.9	133.2	133.2	142.7	174.6	188.7	168.6	177.7
328.8	80°	249.2	175.8	118.0	107.3	105.0	111.5	147.3	163.6	145.4	133.9
107.3	82.5°	98.2	91.3	94.7	83.3	75.7	79.9	114.5	135.1	106.9	96.6
60.5	85°	56.3	59.4	67.0	55.2	43.8	49.1	84.1	97.0	80.7	71.2
19.8	87.5°	15.2	20.9	30.8	28.5	19.8	20.9	40.0	53.7	46.4	35.8
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°
803.2
823.8
856.5
896.1
932.6
945.5
945.9
929.2
890.0
834.4
776.2
722.9
675.8
616.8
550.6
484.8
425.8
376.3
327.2
299.5
281.9
269.8
261.4
252.3
236.7
223.7
218.4
218.0
214.6
232.5
230.6
162.9
125.6
96.3
72.7
36.9
0.0

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