

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: P852123

Luminaire Tested: **GLAN-SB1C-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852123
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-SB1C-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7266 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

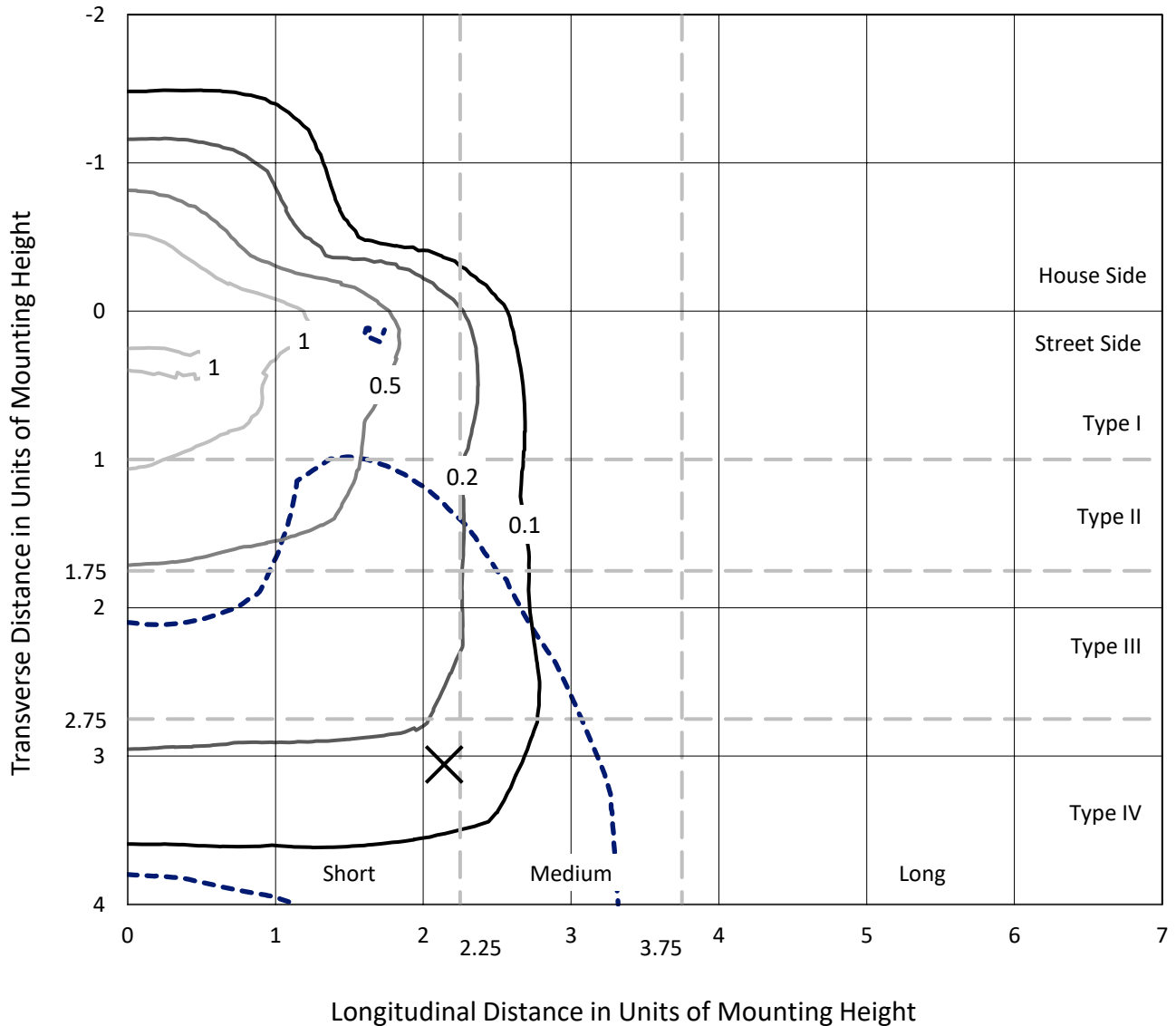
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

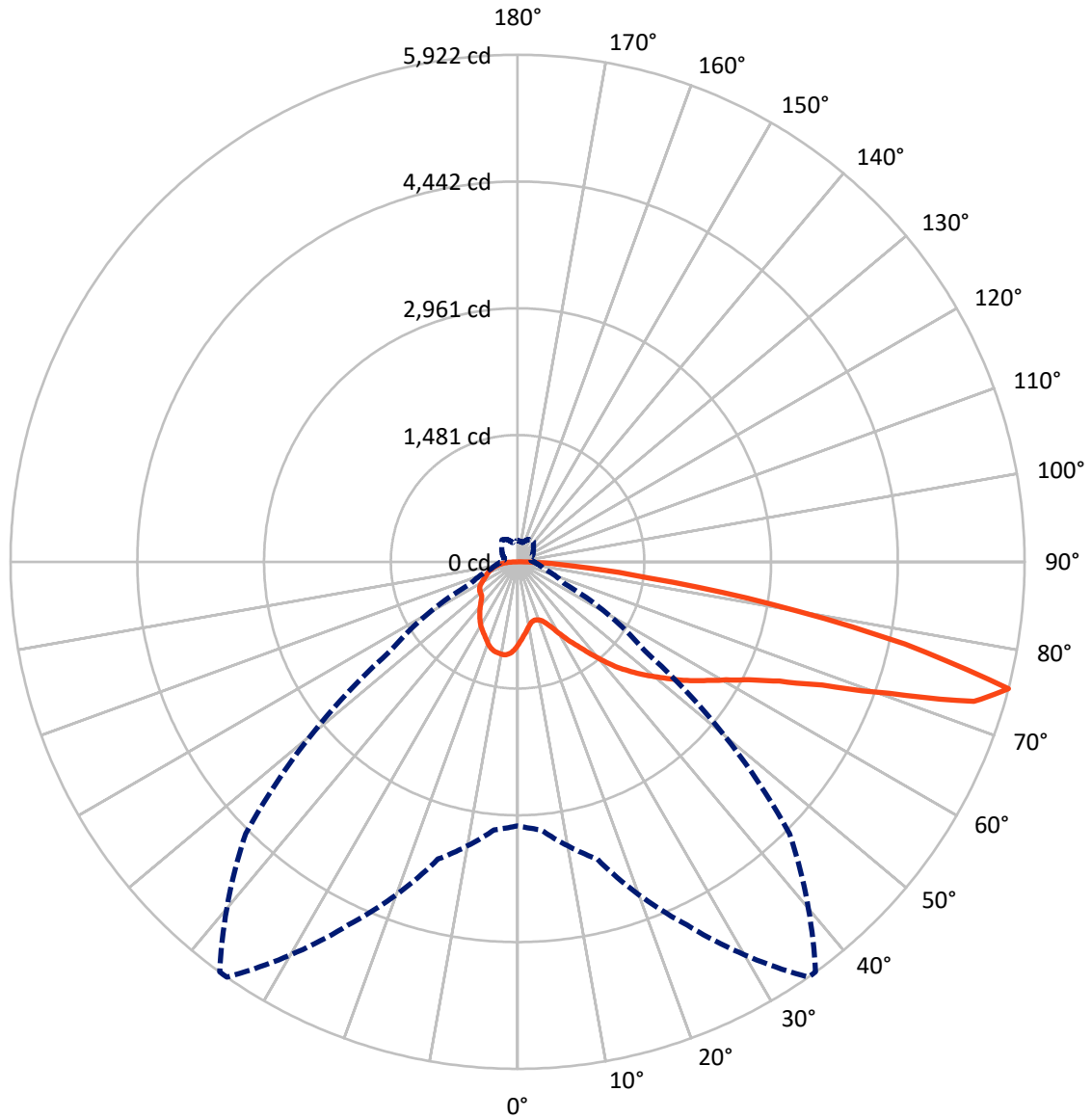
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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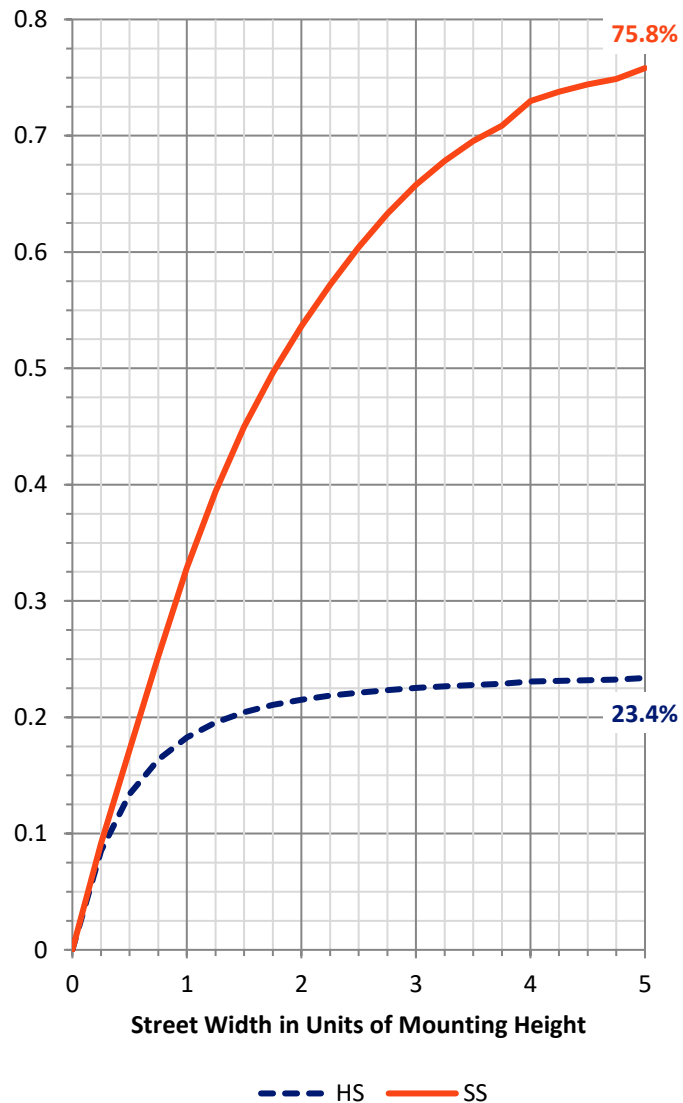
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1729.1	0.0	1729.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5536.9	0.0	5536.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	7266.0	0.0	7266.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	1.3
10°-20°	264.4	3.6
20°-30°	444.0	6.1
30°-40°	690.1	9.5
40°-50°	1024.3	14.1
50°-60°	1414.1	19.5
60°-70°	1715.6	23.6
70°-80°	1417.8	19.5
80°-90°	203.9	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°	7266.0	100.0
0°-180°	7266.0	100.0

Coefficient of Utilization

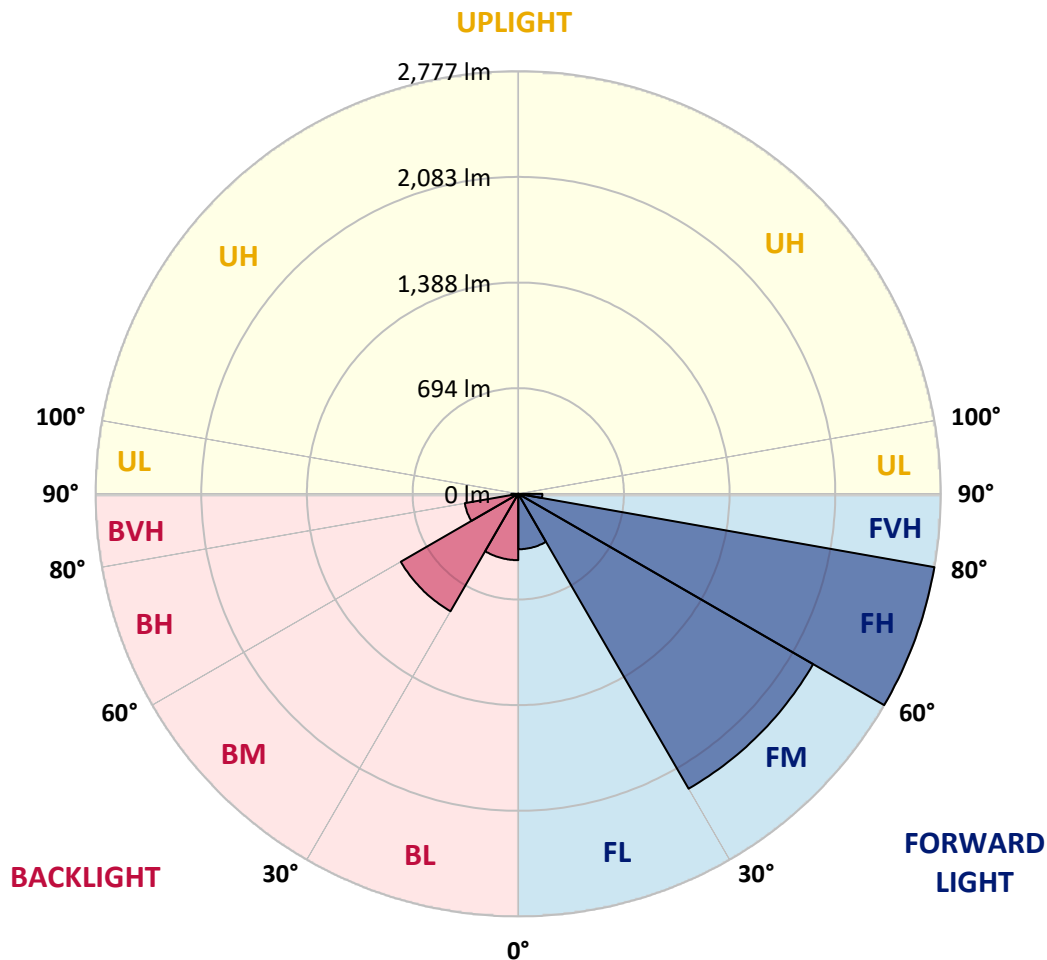


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	364.4	5.0			
FM (30°-60°)	2237.5	30.8			
FH (60°-80°)	2777.0	38.2			G2/5000
FVH (80°-90°)	158.0	2.2			G2/225
BL (0°-30°)	435.8	6.0	B1/500		
BM (30°-60°)	891.0	12.3	B1/1000		
BH (60°-80°)	356.5	4.9	B1/500		G1/500
BVH (80°-90°)	45.9	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2
2.5°	892.8	898.3	900.7	899.5	905.4	904.6	912.9	923.1	937.2	951.0
5°	824.1	830.0	835.1	839.8	851.2	854.7	867.7	887.3	913.3	939.6
7.5°	760.1	765.2	773.0	781.7	800.9	804.4	826.1	856.7	892.8	931.3
10°	707.8	712.9	721.2	731.0	755.0	759.3	786.8	827.6	874.8	923.5
12.5°	685.4	687.0	691.7	701.5	722.4	725.1	755.3	802.1	857.1	917.6
15°	684.3	687.4	687.8	692.9	710.2	711.4	739.2	785.6	846.1	916.4
17.5°	696.0	698.4	694.9	698.0	712.5	714.5	736.5	777.7	842.5	921.5
20°	727.5	729.4	718.8	714.5	725.1	726.7	748.3	782.8	846.1	932.1
22.5°	794.2	795.4	769.5	751.8	752.6	753.4	772.2	803.7	859.8	951.4
25°	898.3	897.5	856.3	822.1	802.5	798.2	810.7	837.4	883.0	976.9
27.5°	1020.1	1014.2	973.0	921.9	879.1	872.8	870.0	881.4	916.0	1010.7
30°	1157.6	1152.1	1107.7	1040.9	981.6	971.4	945.5	939.6	965.1	1056.6
32.5°	1308.4	1304.9	1251.8	1170.9	1091.6	1079.8	1036.2	1020.5	1040.5	1126.1
35°	1434.9	1431.7	1387.8	1304.5	1207.5	1192.9	1148.5	1130.9	1141.1	1215.3
37.5°	1549.2	1547.6	1509.9	1444.3	1344.2	1326.5	1276.6	1270.7	1268.7	1332.8
40°	1655.2	1651.3	1612.0	1577.5	1503.2	1487.1	1443.1	1438.0	1423.1	1477.3
42.5°	1772.7	1762.5	1705.5	1689.4	1669.4	1656.0	1629.7	1630.5	1597.5	1640.3
45°	1868.5	1862.6	1804.1	1794.7	1816.3	1810.8	1833.6	1839.5	1775.4	1811.2
47.5°	1971.4	1965.9	1916.5	1909.8	1968.3	1969.9	2050.4	2052.4	1949.1	1988.7
50°	2098.3	2090.5	2041.4	2049.6	2115.2	2121.1	2268.4	2255.0	2108.9	2169.0
52.5°	2182.0	2186.7	2176.1	2189.4	2279.0	2284.5	2482.9	2448.7	2267.2	2347.0
55°	2243.7	2253.1	2286.1	2316.7	2451.8	2457.3	2685.2	2632.9	2398.4	2511.9
57.5°	2323.0	2309.6	2371.3	2431.0	2616.0	2630.6	2881.9	2810.5	2514.7	2654.1
60°	2436.9	2427.5	2475.4	2563.8	2799.9	2823.0	3090.1	2970.3	2599.9	2766.9
62.5°	2667.9	2644.3	2651.8	2729.9	3031.6	3062.2	3325.0	3109.8	2642.3	2810.9
65°	3013.1	2972.7	2935.0	2989.2	3358.0	3388.3	3590.2	3219.4	2626.6	2725.6
67.5°	3448.0	3407.9	3361.6	3412.6	3838.8	3862.8	3917.4	3281.0	2502.9	2397.2
70°	3806.6	3791.7	3847.1	4057.2	4606.7	4607.5	4336.9	3230.0	2163.9	1699.6
72.5°	3759.1	3750.0	4041.9	4691.6	5574.6	5553.8	4734.0	2843.5	1457.7	766.7
75°	3083.8	3142.4	3594.5	4680.2	5922.2	5919.4	4490.8	1807.7	602.9	317.8
77.5°	1653.7	1746.4	2333.6	3455.4	4623.2	4692.7	3157.3	632.4	258.9	203.5
80°	539.3	620.2	930.1	1759.3	3004.1	2991.1	1353.2	248.2	177.2	144.2
82.5°	229.0	238.4	415.6	830.8	1541.7	1517.8	430.9	142.6	124.5	98.6
85°	89.6	100.2	183.4	384.2	667.8	653.2	155.5	70.7	79.7	64.4
87.5°	29.5	35.7	65.6	131.6	207.8	200.3	38.1	24.4	34.6	29.5
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°
968.2	0°	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2
971.0	2.5°	976.5	982.8	990.2	1001.2	1010.7	1018.5	1026.8	1031.9	1033.8	1039.7
972.6	5°	983.6	997.3	1015.8	1033.8	1051.5	1062.1	1071.5	1076.3	1080.6	1083.7
976.9	7.5°	995.3	1013.0	1042.1	1065.7	1080.6	1089.2	1095.5	1093.9	1095.5	1096.3
981.6	10°	1005.6	1030.3	1064.9	1087.3	1098.7	1099.0	1097.5	1092.0	1089.2	1089.6
988.7	12.5°	1017.7	1045.2	1082.5	1101.4	1104.5	1095.9	1089.2	1079.8	1076.3	1074.7
999.3	15°	1034.2	1065.7	1101.8	1108.9	1101.0	1090.0	1078.6	1063.3	1055.4	1049.2
1017.3	17.5°	1054.3	1088.8	1116.7	1111.6	1094.7	1076.7	1058.2	1035.0	1018.9	1012.2
1042.1	20°	1082.2	1113.2	1128.1	1105.7	1080.2	1052.7	1021.3	993.0	978.1	971.4
1073.5	22.5°	1115.9	1145.8	1139.1	1095.5	1059.4	1015.4	976.1	955.3	947.8	943.1
1114.0	25°	1156.4	1181.9	1147.0	1080.6	1025.2	965.9	935.6	929.0	925.4	921.9
1163.5	27.5°	1209.0	1222.8	1152.9	1058.6	971.8	913.3	902.3	903.4	902.3	896.4
1232.2	30°	1278.6	1275.8	1158.4	1022.8	910.5	865.7	866.5	871.6	872.4	868.5
1328.0	32.5°	1370.1	1342.2	1161.1	976.5	852.0	824.1	824.9	830.4	834.3	827.6
1453.3	35°	1480.8	1419.6	1156.8	918.4	806.8	784.4	778.5	780.1	781.3	775.0
1605.4	37.5°	1610.1	1506.4	1137.5	853.9	769.5	745.5	733.0	722.4	716.1	710.2
1777.4	40°	1751.9	1601.0	1102.2	791.1	727.9	704.3	685.4	665.4	644.2	636.3
1959.7	42.5°	1900.4	1698.5	1059.4	731.0	679.9	660.7	640.7	611.6	579.8	563.7
2149.0	45°	2054.3	1798.2	1017.3	671.7	630.8	622.6	599.4	564.4	529.9	509.5
2338.7	47.5°	2205.2	1892.5	955.7	612.0	584.9	593.9	575.8	543.6	505.1	472.9
2526.9	50°	2349.3	1980.9	854.7	551.5	547.6	585.3	568.0	521.6	477.6	436.4
2711.5	52.5°	2492.3	2052.4	725.5	496.5	527.5	582.9	557.8	506.7	452.9	409.7
2885.1	55°	2613.7	2089.3	601.0	449.4	498.5	562.9	545.6	489.0	417.9	372.0
3004.1	57.5°	2682.8	2059.4	497.3	403.0	458.4	529.9	524.8	451.3	376.3	340.9
3027.3	60°	2652.9	1938.5	412.4	362.6	420.3	494.1	488.6	414.0	344.5	311.1
2903.2	62.5°	2488.4	1707.9	345.3	327.2	385.7	457.6	452.5	385.3	320.1	287.9
2573.6	65°	2156.8	1389.3	293.0	297.7	350.8	413.6	421.1	361.4	300.9	269.5
1991.1	67.5°	1645.0	1006.3	252.2	272.2	316.6	370.4	392.0	344.1	284.8	254.9
1152.1	70°	937.6	571.5	217.6	247.5	286.3	330.3	369.6	330.3	267.5	242.7
431.7	72.5°	355.5	262.4	188.1	222.7	257.3	296.6	344.9	308.7	247.5	229.0
223.1	75°	189.7	159.9	158.3	193.6	223.9	263.6	313.8	287.5	232.5	242.0
154.4	77.5°	129.2	113.1	132.4	165.8	187.4	227.0	280.8	255.3	201.5	200.7
106.8	80°	89.6	80.1	107.6	133.6	144.9	190.9	245.1	219.2	164.2	153.2
66.0	82.5°	53.8	52.2	80.5	99.8	102.5	147.3	203.1	183.8	134.3	117.1
39.3	85°	29.5	31.0	51.5	58.5	59.7	102.9	159.1	142.2	103.3	86.8
14.1	87.5°	8.2	10.6	18.9	23.2	28.7	53.4	94.7	84.5	51.8	36.1
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°
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968.2
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