

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: P846123

Luminaire Tested: **GLAN-SB1C-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1C-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6149 lumens  
Efficiency: N/A  
Efficacy: 113.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2

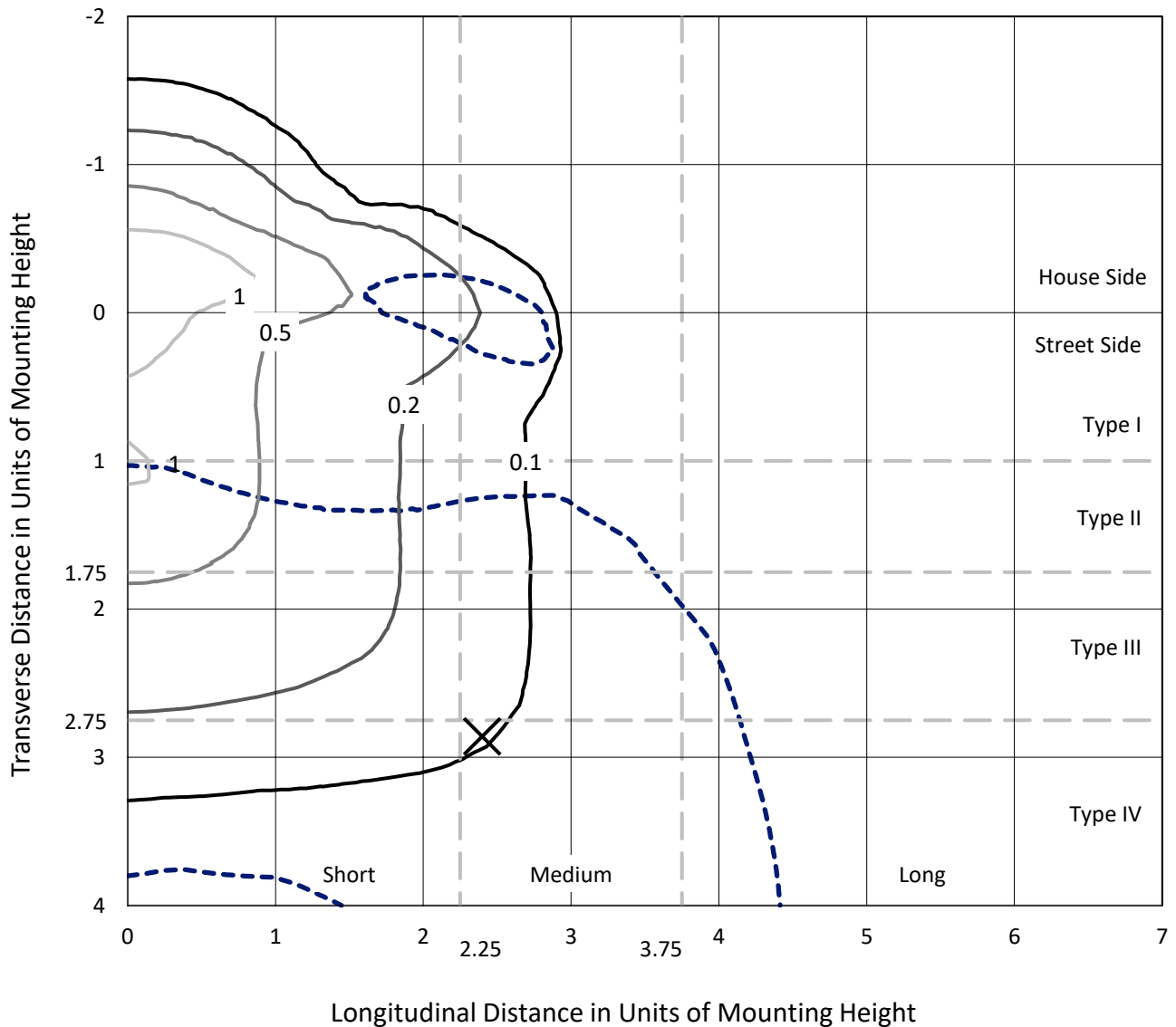
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

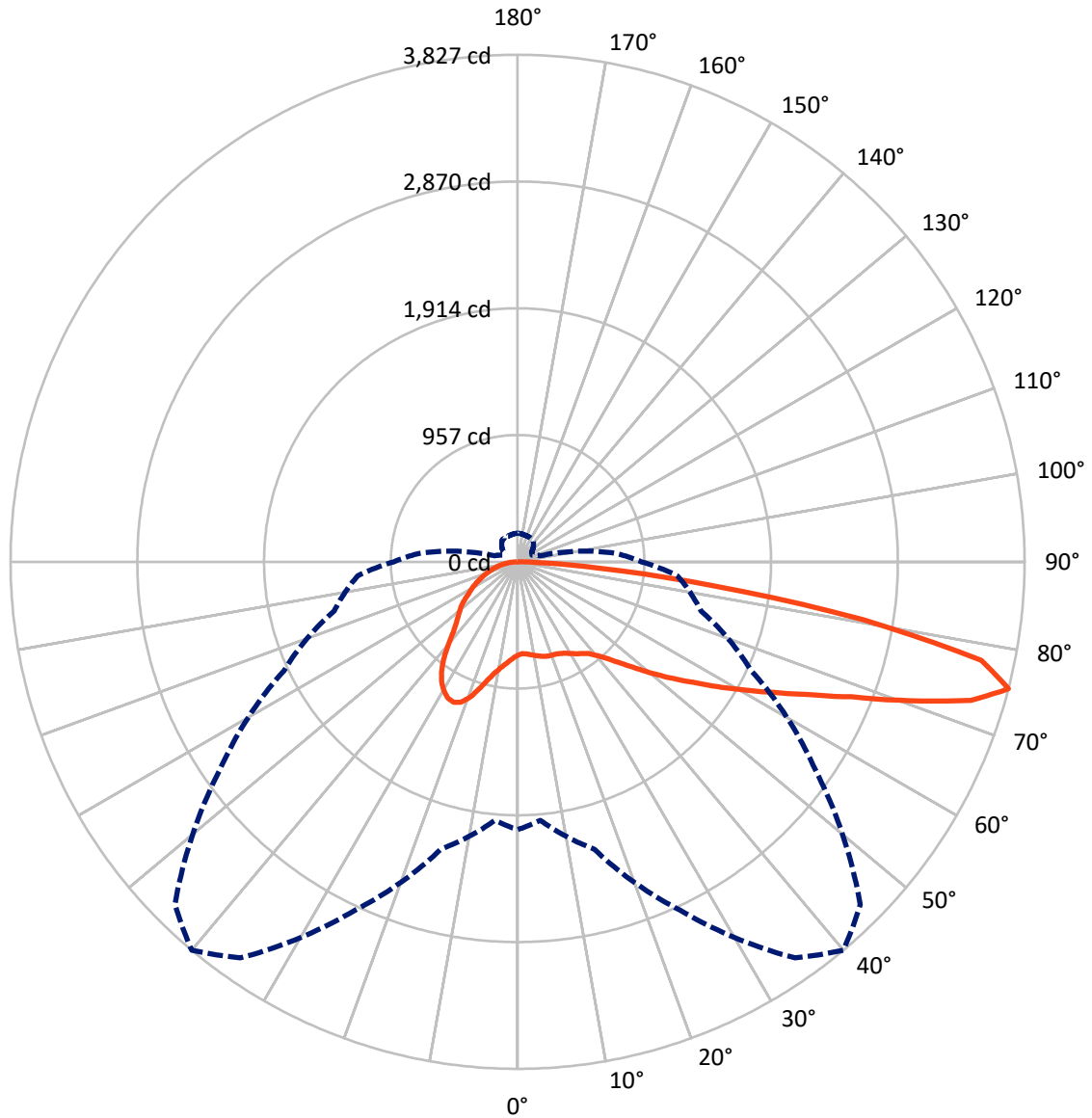
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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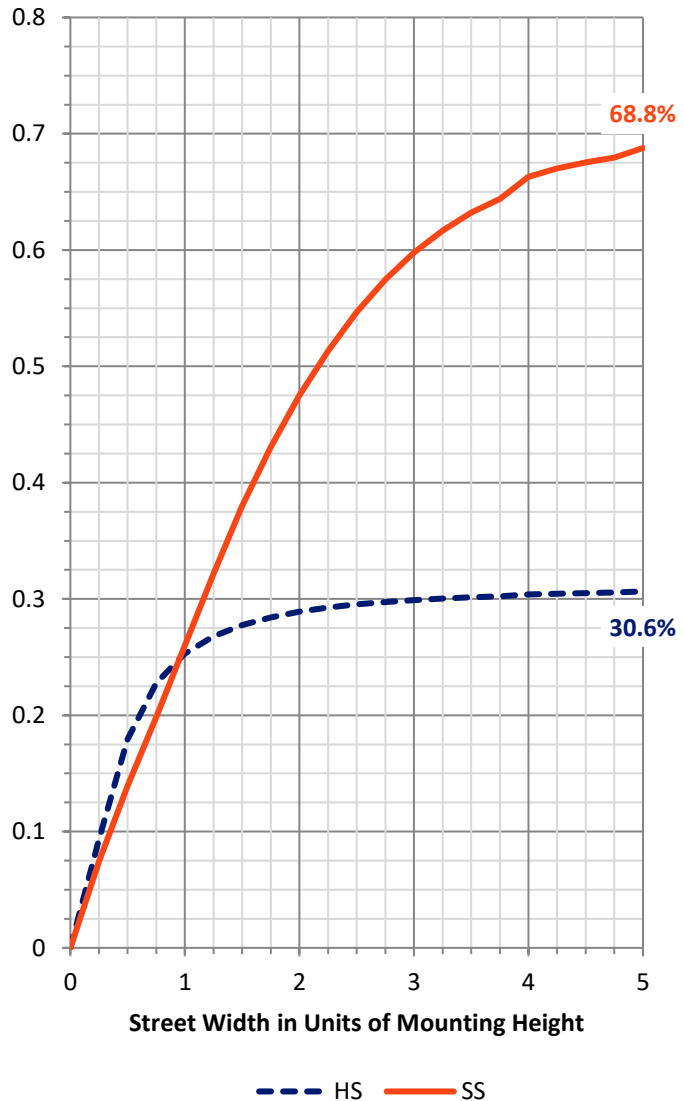
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1905.2	0.0	1905.2
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	4243.8	0.0	4243.8
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	6149.0	0.0	6149.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	70.2	1.1
10°-20°	235.7	3.8
20°-30°	430.3	7.0
30°-40°	610.3	9.9
40°-50°	824.0	13.4
50°-60°	1108.5	18.0
60°-70°	1407.0	22.9
70°-80°	1276.9	20.8
80°-90°	186.1	3.0
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°	6149.0	100.0
0°-180°	6149.0	100.0

**Coefficient of Utilization**

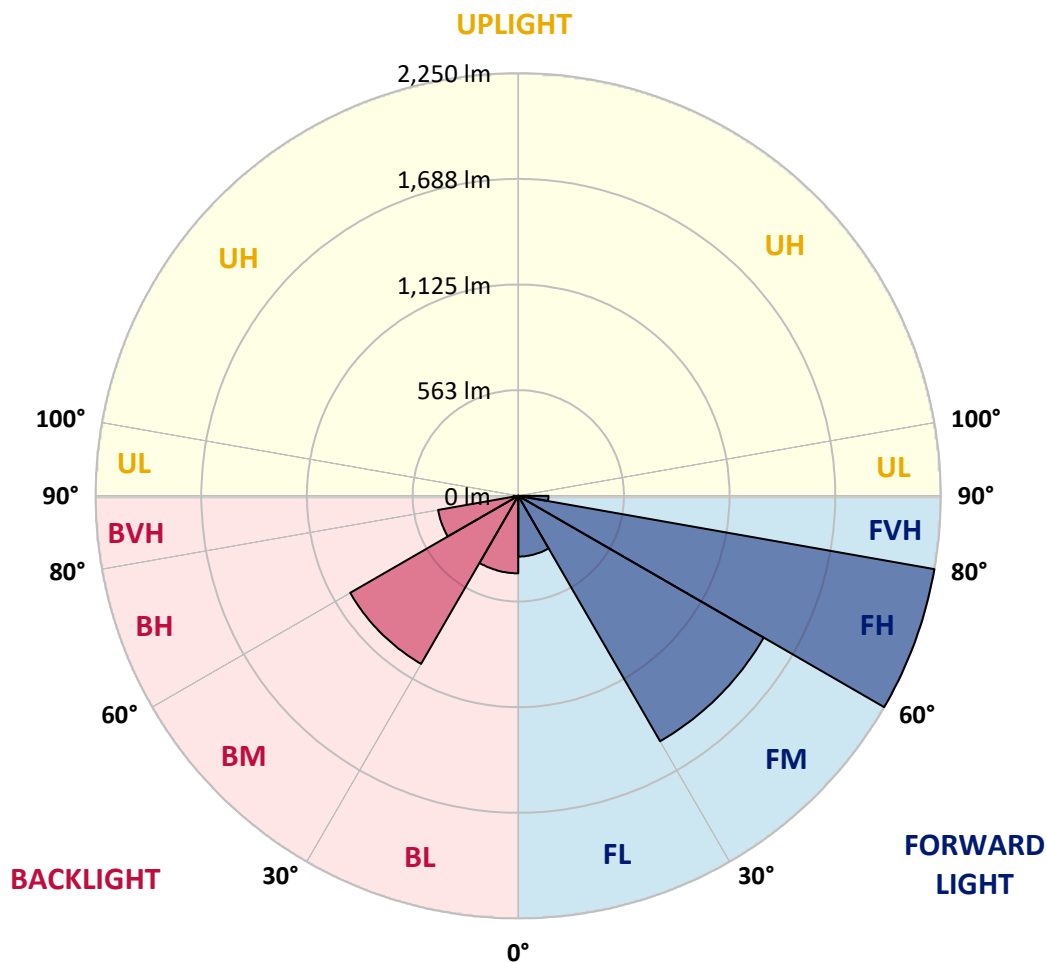


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.4	5.3			
FM (30°-60°)	1509.4	24.5			
FH (60°-80°)	2250.4	36.6			G2/5000
FVH (80°-90°)	160.5	2.6			G2/225
BL (0°-30°)	412.7	6.7	B1/500		
BM (30°-60°)	1033.4	16.8	B2/2500		
BH (60°-80°)	433.5	7.0	B1/500		G1/500
BVH (80°-90°)	25.6	0.4			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 IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1
2.5°	692.4	696.3	695.3	694.0	694.0	694.3	694.0	696.3	698.6	700.9
5°	699.6	703.5	701.5	699.9	698.6	698.3	697.3	696.9	698.3	701.2
7.5°	713.6	717.5	714.6	711.6	709.0	707.7	706.4	704.5	703.5	705.1
10°	729.2	733.2	729.6	724.3	720.1	718.5	717.2	715.2	713.9	714.9
12.5°	744.9	748.8	743.9	736.7	731.2	730.2	728.6	727.9	727.6	727.3
15°	759.6	762.8	756.6	748.2	742.3	740.7	739.0	740.0	741.6	743.6
17.5°	771.0	774.2	765.1	754.0	748.5	747.8	746.8	750.1	754.7	759.6
20°	781.4	784.7	772.9	757.9	751.4	751.4	751.7	758.6	765.1	772.3
22.5°	796.1	798.7	784.4	763.8	754.3	755.0	757.6	764.5	772.6	782.4
25°	817.9	819.9	802.3	774.9	764.1	766.1	768.4	771.6	779.5	790.9
27.5°	853.2	854.8	831.6	794.5	778.2	781.4	784.7	782.4	786.0	795.8
30°	902.7	903.7	874.4	825.1	802.0	803.6	804.2	794.8	787.9	795.8
32.5°	961.4	961.1	926.2	862.3	829.0	827.4	821.9	803.3	787.3	794.1
35°	1052.4	1048.8	1003.8	914.5	859.7	849.6	836.5	812.7	790.6	792.5
37.5°	1203.1	1192.0	1129.7	999.9	905.3	879.6	860.3	828.1	797.7	791.9
40°	1373.0	1359.0	1290.5	1117.0	973.8	932.4	901.4	849.9	809.5	794.8
42.5°	1574.6	1554.7	1481.0	1255.0	1060.6	1000.6	953.9	877.6	826.8	804.2
45°	1822.1	1795.7	1691.3	1410.5	1169.8	1089.9	1027.7	919.7	853.2	822.5
47.5°	2072.3	2078.8	1930.4	1588.6	1301.0	1200.2	1119.9	983.0	891.7	851.9
50°	2338.1	2342.6	2168.1	1785.9	1449.7	1324.8	1223.7	1053.7	945.1	893.6
52.5°	2545.5	2546.1	2384.0	1992.4	1604.6	1461.7	1335.5	1134.6	1007.1	949.1
55°	2675.3	2673.7	2535.4	2187.7	1782.7	1605.6	1459.5	1226.6	1082.8	1014.3
57.5°	2769.5	2764.6	2639.7	2355.7	1972.5	1775.5	1599.7	1331.0	1172.1	1091.9
60°	2805.4	2802.5	2710.5	2500.8	2172.1	1963.3	1761.5	1447.7	1273.6	1183.5
62.5°	2819.1	2824.7	2780.0	2641.4	2385.7	2171.4	1939.2	1587.3	1387.7	1287.3
65°	2867.4	2877.5	2868.4	2825.3	2627.0	2415.0	2175.0	1753.3	1512.3	1398.5
67.5°	2962.9	2973.0	2977.0	3045.4	2921.8	2718.7	2469.2	1960.1	1658.1	1513.9
70°	2960.7	2957.7	3026.9	3220.6	3291.0	3139.0	2865.7	2214.5	1831.9	1609.8
72.5°	2694.9	2671.4	2834.8	3218.6	3598.2	3578.0	3350.1	2542.5	1981.9	1621.5
75°	2021.7	1959.1	2247.7	2900.6	3649.4	3827.2	3657.9	2746.1	1946.4	1432.7
77.5°	864.6	801.6	1141.8	2147.3	3266.2	3577.7	3375.5	2395.8	1553.7	947.4
80°	226.3	226.0	345.1	973.5	2221.3	2642.0	2317.8	1547.2	887.7	338.5
82.5°	93.6	91.3	126.9	378.6	1085.4	1482.6	1210.0	690.1	320.6	91.6
85°	34.9	34.6	61.6	130.8	382.9	611.5	442.6	176.4	79.9	44.7
87.5°	9.8	9.5	13.4	45.3	93.3	141.5	75.7	29.0	22.5	17.6
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°
703.1	0°	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1	703.1
704.5	2.5°	705.4	707.1	710.0	712.3	715.2	718.5	723.0	726.0	728.9	730.9
706.1	5°	708.4	712.0	719.5	727.0	735.8	743.9	753.4	760.2	765.8	767.4
712.0	7.5°	714.9	720.8	733.5	746.2	760.2	773.6	787.3	799.0	808.5	812.1
722.4	10°	726.3	734.1	752.1	770.0	788.6	809.1	826.8	843.7	857.1	862.6
734.8	12.5°	740.7	750.4	773.9	798.7	824.5	852.8	875.7	896.5	913.2	920.7
752.1	15°	759.2	772.0	802.0	835.2	873.1	912.5	941.6	964.7	983.3	992.4
770.0	17.5°	779.5	796.4	834.3	884.5	938.6	990.5	1024.4	1041.3	1060.6	1069.4
786.6	20°	799.0	819.9	874.0	947.1	1019.2	1074.3	1101.7	1106.2	1107.6	1108.5
802.3	22.5°	819.3	847.3	923.9	1026.0	1103.3	1141.5	1145.4	1125.8	1098.4	1085.7
817.6	25°	841.4	878.6	989.2	1113.1	1175.7	1180.3	1150.3	1102.7	1050.8	1027.0
830.0	27.5°	863.0	914.8	1067.4	1196.3	1227.9	1187.8	1123.2	1055.7	993.1	968.0
838.8	30°	884.5	956.2	1153.9	1269.0	1251.7	1169.2	1080.5	1005.1	942.2	915.8
846.6	32.5°	906.3	1004.5	1253.3	1321.5	1247.5	1129.7	1027.3	948.4	893.0	865.2
853.5	35°	931.1	1063.9	1347.6	1350.2	1219.1	1071.7	957.2	880.6	832.3	810.1
861.6	37.5°	963.4	1139.2	1430.8	1357.4	1169.5	986.6	870.1	800.3	760.5	750.4
873.7	40°	1003.5	1229.9	1494.3	1346.0	1096.1	883.2	774.9	719.1	696.6	698.9
890.0	42.5°	1055.7	1331.3	1539.0	1316.6	994.1	776.5	691.4	666.6	677.4	686.5
914.5	45°	1123.5	1436.6	1566.8	1266.7	878.6	686.2	642.2	648.0	656.2	657.2
953.9	47.5°	1210.3	1543.3	1585.0	1191.4	760.9	622.6	610.9	612.2	610.5	603.7
1013.0	50°	1318.6	1647.0	1601.3	1091.6	660.7	582.8	567.1	562.6	540.1	517.9
1091.6	52.5°	1441.8	1742.2	1608.2	967.6	582.8	549.5	524.1	495.4	453.3	446.5
1190.4	55°	1578.8	1830.3	1590.6	815.3	517.2	506.8	468.3	433.8	429.2	423.3
1320.5	57.5°	1742.5	1925.2	1554.7	645.4	450.1	456.9	419.4	423.3	415.2	406.0
1487.8	60°	1921.6	2023.3	1491.7	490.5	380.6	394.6	406.7	406.4	404.1	396.6
1664.3	62.5°	2082.7	2087.9	1367.8	375.7	319.6	346.4	379.3	379.0	377.0	372.8
1848.5	65°	2178.6	2078.1	1161.0	295.8	269.4	306.6	342.1	344.7	345.1	344.7
1987.1	67.5°	2161.6	1963.7	877.3	235.5	228.0	266.1	305.3	308.8	311.5	312.1
2004.7	70°	1969.9	1712.2	572.0	187.9	191.1	230.6	270.4	274.0	276.2	278.8
1739.6	72.5°	1535.4	1258.9	327.4	152.0	158.8	199.9	235.8	240.0	241.3	246.2
1210.6	75°	935.7	740.3	176.8	119.7	130.5	170.9	201.6	206.4	208.7	214.6
594.5	77.5°	444.8	320.6	100.8	93.3	105.0	139.6	170.2	175.8	169.6	172.9
164.0	80°	150.3	119.0	63.6	71.1	80.2	108.9	136.3	141.9	128.8	128.2
54.5	82.5°	52.5	48.3	40.4	47.3	51.9	77.9	103.1	110.2	95.9	95.6
24.5	85°	20.5	19.6	22.5	25.8	31.0	47.9	67.8	71.4	59.0	47.6
7.2	87.5°	4.2	4.6	5.5	5.9	9.5	16.6	24.5	30.0	23.8	20.2
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°
703.1
729.6
768.0
812.4
863.0
920.7
991.8
1069.1
1111.1
1089.3
1030.6
970.9
918.7
868.8
815.0
757.6
706.7
695.0
663.7
608.9
520.8
448.8
424.3
404.4
394.0
371.1
344.7
312.8
280.1
248.2
215.2
170.2
126.9
91.0
47.0
18.6
0.0

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