

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: P845873

Luminaire Tested: **GLAN-SB1B-727-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845873  
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-SB1B-727-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4966 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

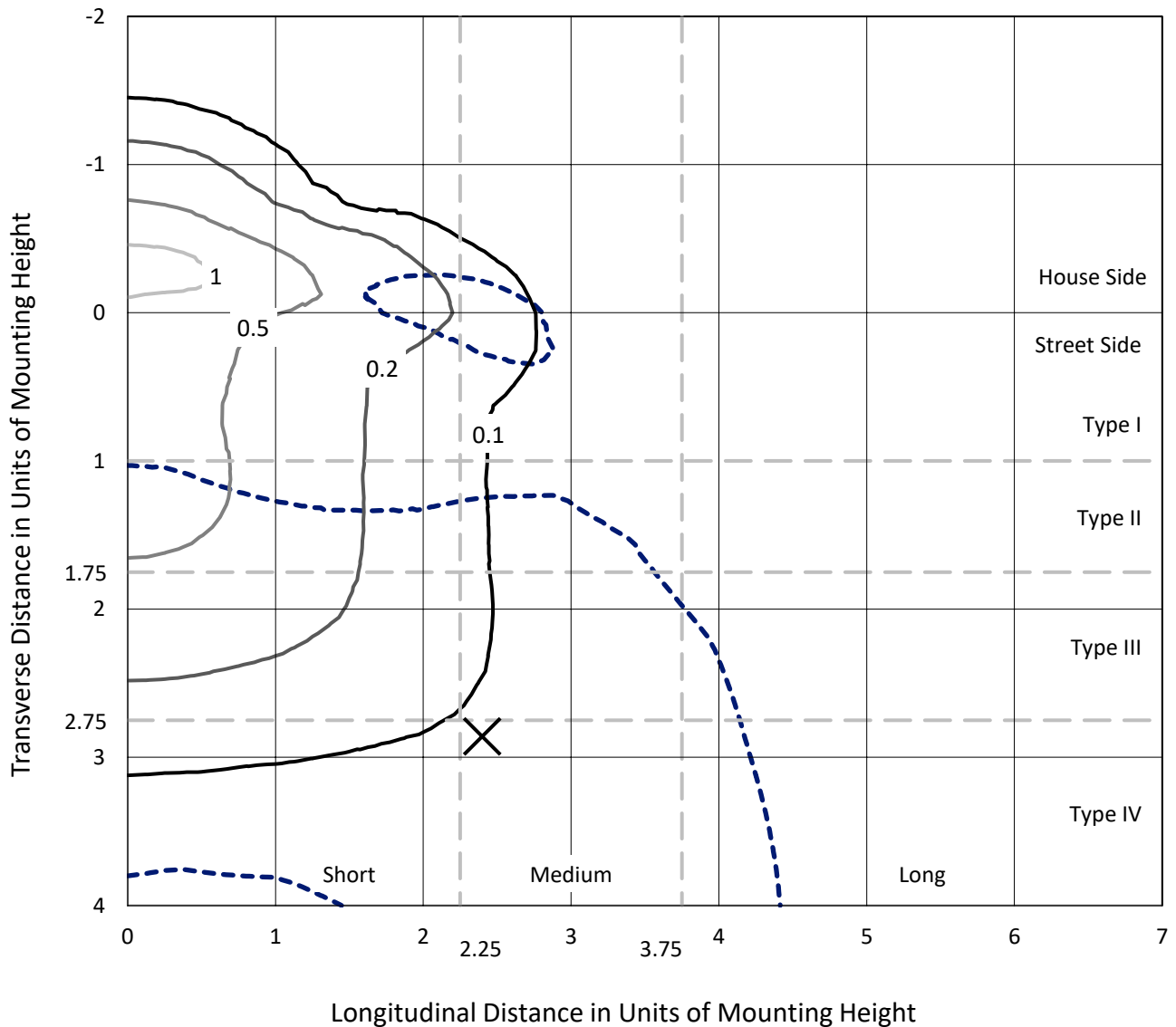
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

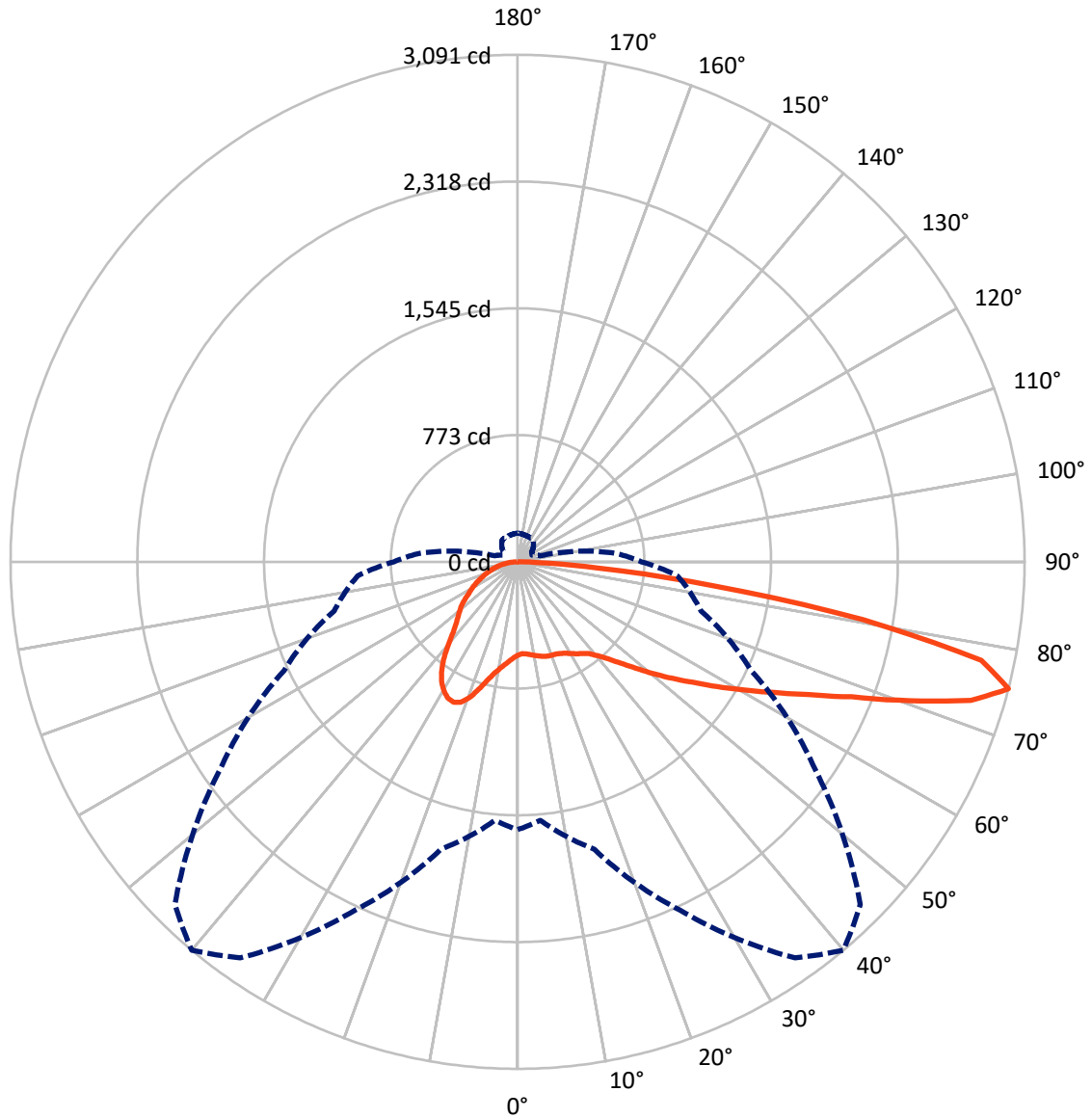
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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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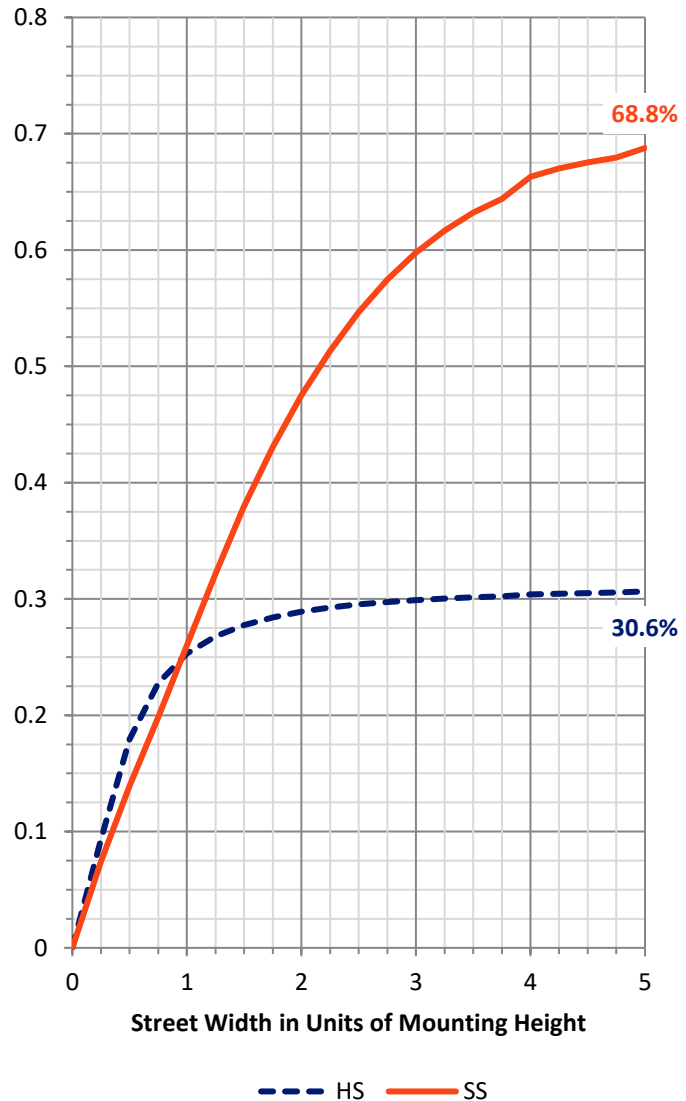
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1538.6	0.0	1538.6
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	3427.4	0.0	3427.4
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	4966.0	0.0	4966.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.7	1.1
10°-20°	190.3	3.8
20°-30°	347.5	7.0
30°-40°	492.9	9.9
40°-50°	665.5	13.4
50°-60°	895.3	18.0
60°-70°	1136.3	22.9
70°-80°	1031.3	20.8
80°-90°	150.3	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°	4966.0	100.0
0°-180°	4966.0	100.0

**Coefficient of Utilization**

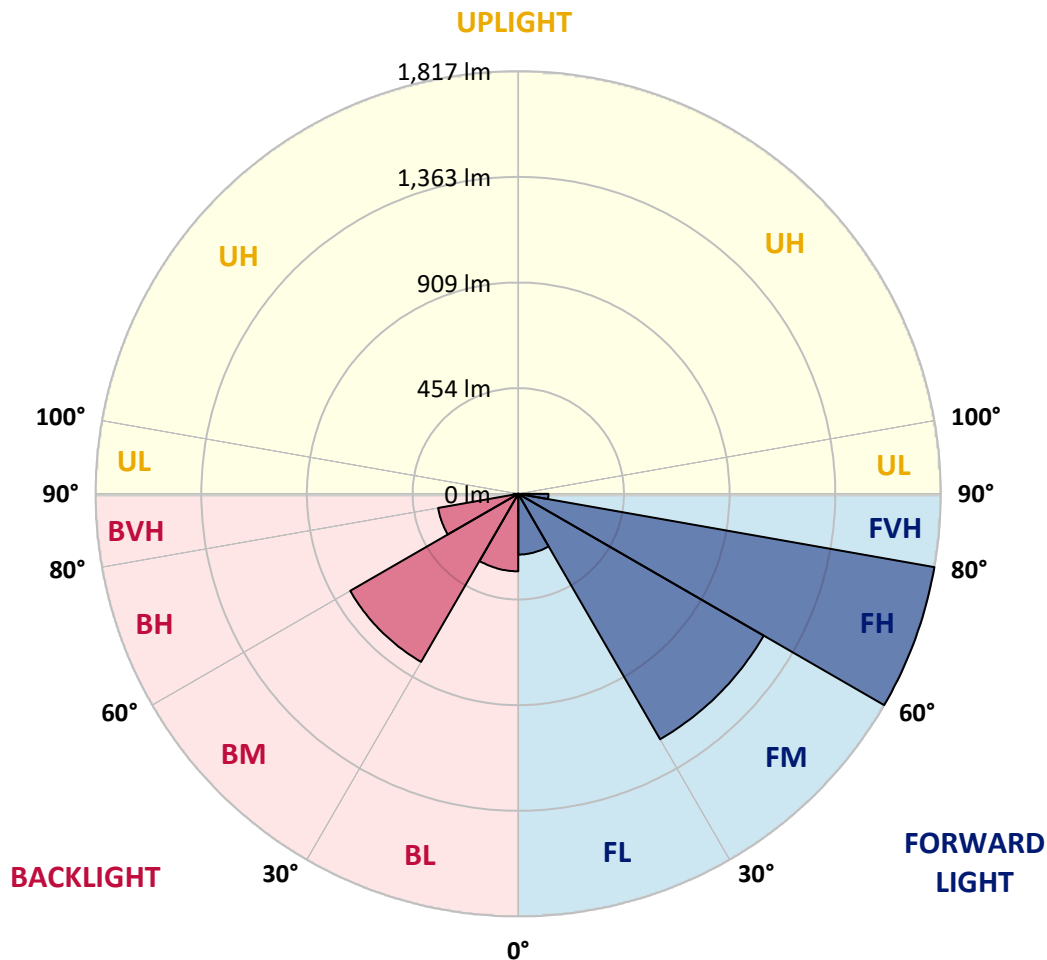


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	261.2	5.3			
FM (30°-60°)	1219.0	24.5			
FH (60°-80°)	1817.5	36.6			G2/5000
FVH (80°-90°)	129.6	2.6			G2/225
BL (0°-30°)	333.3	6.7	B1/500		
BM (30°-60°)	834.6	16.8	B1/1000		
BH (60°-80°)	350.1	7.0	B1/500		G1/500
BVH (80°-90°)	20.7	0.4			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 Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9
2.5°	559.2	562.3	561.5	560.5	560.5	560.8	560.5	562.3	564.2	566.0
5°	565.0	568.1	566.6	565.2	564.2	563.9	563.1	562.9	563.9	566.3
7.5°	576.3	579.5	577.1	574.7	572.6	571.6	570.5	568.9	568.1	569.4
10°	588.9	592.1	589.2	585.0	581.6	580.2	579.2	577.6	576.6	577.4
12.5°	601.6	604.7	600.8	595.0	590.5	589.7	588.4	587.9	587.6	587.4
15°	613.4	616.1	611.1	604.2	599.5	598.2	596.8	597.6	598.9	600.5
17.5°	622.7	625.3	617.9	609.0	604.5	604.0	603.2	605.8	609.5	613.4
20°	631.1	633.7	624.2	612.1	606.9	606.9	607.1	612.6	617.9	623.7
22.5°	642.9	645.0	633.5	616.9	609.2	609.7	611.9	617.4	624.0	631.9
25°	660.6	662.2	647.9	625.8	617.1	618.7	620.5	623.2	629.5	638.7
27.5°	689.0	690.3	671.6	641.6	628.4	631.1	633.7	631.9	634.8	642.7
30°	729.1	729.9	706.1	666.4	647.7	649.0	649.5	641.9	636.4	642.7
32.5°	776.5	776.2	748.0	696.4	669.5	668.2	663.7	648.7	635.8	641.4
35°	850.0	847.1	810.7	738.5	694.3	686.1	675.6	656.4	638.5	640.0
37.5°	971.6	962.7	912.4	807.6	731.2	710.4	694.8	668.7	644.3	639.5
40°	1108.9	1097.5	1042.2	902.1	786.5	753.0	728.0	686.4	653.7	641.9
42.5°	1271.6	1255.6	1196.1	1013.5	856.5	808.1	770.4	708.8	667.7	649.5
45°	1471.6	1450.2	1365.9	1139.2	944.8	880.2	829.9	742.8	689.0	664.3
47.5°	1673.6	1678.8	1559.0	1283.0	1050.7	969.3	904.5	793.9	720.1	688.0
50°	1888.2	1891.9	1751.0	1442.3	1170.8	1069.9	988.2	851.0	763.3	721.7
52.5°	2055.8	2056.3	1925.4	1609.0	1295.9	1180.5	1078.6	916.3	813.3	766.5
55°	2160.6	2159.3	2047.6	1766.8	1439.7	1296.7	1178.7	990.6	874.5	819.1
57.5°	2236.7	2232.8	2131.9	1902.5	1593.0	1433.9	1291.9	1074.9	946.6	881.8
60°	2265.7	2263.3	2189.0	2019.7	1754.2	1585.6	1422.6	1169.2	1028.5	955.8
62.5°	2276.7	2281.2	2245.1	2133.2	1926.7	1753.7	1566.1	1281.9	1120.7	1039.6
65°	2315.7	2323.9	2316.5	2281.7	2121.6	1950.4	1756.5	1416.0	1221.3	1129.4
67.5°	2392.9	2401.1	2404.2	2459.5	2359.7	2195.6	1994.1	1583.0	1339.1	1222.7
70°	2391.1	2388.7	2444.5	2601.0	2657.9	2535.1	2314.4	1788.4	1479.5	1300.1
72.5°	2176.4	2157.4	2289.4	2599.4	2906.0	2889.7	2705.5	2053.4	1600.6	1309.6
75°	1632.8	1582.2	1815.3	2342.6	2947.3	3090.9	2954.2	2217.7	1571.9	1157.1
77.5°	698.2	647.4	922.1	1734.2	2637.9	2889.4	2726.1	1934.9	1254.8	765.1
80°	182.8	182.5	278.7	786.2	1793.9	2133.7	1871.9	1249.5	716.9	273.4
82.5°	75.6	73.7	102.5	305.8	876.6	1197.4	977.2	557.3	258.9	74.0
85°	28.2	27.9	49.8	105.6	309.2	493.9	357.4	142.5	64.5	36.1
87.5°	7.9	7.6	10.8	36.6	75.3	114.3	61.1	23.4	18.2	14.2
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°
567.9	0°	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9	567.9
568.9	2.5°	569.7	571.0	573.4	575.2	577.6	580.2	583.9	586.3	588.7	590.3
570.2	5°	572.1	575.0	581.0	587.1	594.2	600.8	608.4	614.0	618.4	619.8
575.0	7.5°	577.4	582.1	592.4	602.6	614.0	624.8	635.8	645.3	652.9	655.8
583.4	10°	586.6	592.9	607.4	621.9	636.9	653.5	667.7	681.4	692.2	696.7
593.4	12.5°	598.2	606.1	625.0	645.0	665.8	688.8	707.2	724.1	737.5	743.5
607.4	15°	613.2	623.4	647.7	674.5	705.1	737.0	760.4	779.1	794.1	801.5
621.9	17.5°	629.5	643.2	673.8	714.3	758.0	799.9	827.3	841.0	856.5	863.7
635.3	20°	645.3	662.2	705.9	764.9	823.1	867.6	889.7	893.4	894.5	895.3
647.9	22.5°	661.6	684.3	746.2	828.6	891.0	921.9	925.0	909.2	887.1	876.8
660.3	25°	679.5	709.6	798.9	898.9	949.5	953.2	929.0	890.5	848.6	829.4
670.3	27.5°	696.9	738.8	862.1	966.1	991.7	959.3	907.1	852.6	802.0	781.7
677.4	30°	714.3	772.3	931.9	1024.9	1010.9	944.3	872.6	811.8	760.9	739.6
683.8	32.5°	732.0	811.2	1012.2	1067.3	1007.5	912.4	829.7	765.9	721.2	698.8
689.3	35°	752.0	859.2	1088.3	1090.4	984.6	865.5	773.0	711.2	672.2	654.3
695.9	37.5°	778.1	920.0	1155.5	1096.2	944.5	796.8	702.7	646.4	614.2	606.1
705.6	40°	810.5	993.2	1206.9	1087.0	885.3	713.3	625.8	580.8	562.6	564.4
718.8	42.5°	852.6	1075.2	1242.9	1063.3	802.8	627.1	558.4	538.4	547.1	554.4
738.5	45°	907.4	1160.2	1265.3	1023.0	709.6	554.2	518.6	523.4	529.9	530.7
770.4	47.5°	977.4	1246.4	1280.1	962.2	614.5	502.8	493.3	494.4	493.1	487.5
818.1	50°	1064.9	1330.1	1293.2	881.6	533.6	470.7	458.0	454.3	436.2	418.3
881.6	52.5°	1164.4	1407.0	1298.8	781.5	470.7	443.8	423.3	400.1	366.1	360.6
961.4	55°	1275.1	1478.1	1284.6	658.5	417.7	409.3	378.2	350.3	346.6	341.9
1066.5	57.5°	1407.3	1554.8	1255.6	521.2	363.5	369.0	338.7	341.9	335.3	327.9
1201.6	60°	1551.9	1634.1	1204.7	396.1	307.4	318.7	328.4	328.2	326.3	320.3
1344.1	62.5°	1682.0	1686.2	1104.7	303.4	258.1	279.7	306.3	306.1	304.5	301.1
1492.9	65°	1759.4	1678.3	937.7	238.9	217.6	247.6	276.3	278.4	278.7	278.4
1604.8	67.5°	1745.7	1585.9	708.5	190.2	184.1	214.9	246.5	249.4	251.5	252.1
1619.1	70°	1590.9	1382.8	462.0	151.7	154.3	186.2	218.4	221.2	223.1	225.2
1404.9	72.5°	1240.0	1016.7	264.4	122.7	128.3	161.5	190.4	193.9	194.9	198.9
977.7	75°	755.7	597.9	142.8	96.7	105.4	138.0	162.8	166.7	168.6	173.3
480.2	77.5°	359.3	258.9	81.4	75.3	84.8	112.7	137.5	142.0	137.0	139.6
132.5	80°	121.4	96.1	51.4	57.4	64.8	88.0	110.1	114.6	104.0	103.5
44.0	82.5°	42.4	39.0	32.7	38.2	41.9	63.0	83.2	89.0	77.4	77.2
19.8	85°	16.6	15.8	18.2	20.8	25.0	38.7	54.8	57.7	47.7	38.5
5.8	87.5°	3.4	3.7	4.5	4.7	7.6	13.4	19.8	24.2	19.2	16.3
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°
567.9
589.2
620.3
656.1
696.9
743.5
801.0
863.4
897.4
879.7
832.3
784.1
742.0
701.7
658.2
611.9
570.8
561.3
536.0
491.7
420.6
362.4
342.7
326.6
318.2
299.7
278.4
252.6
226.3
200.4
173.8
137.5
102.5
73.5
37.9
15.0
0.0

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