

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: P845708

Luminaire Tested: **GLAN-SB1A-727-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845708  
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-SB1A-727-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3993 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

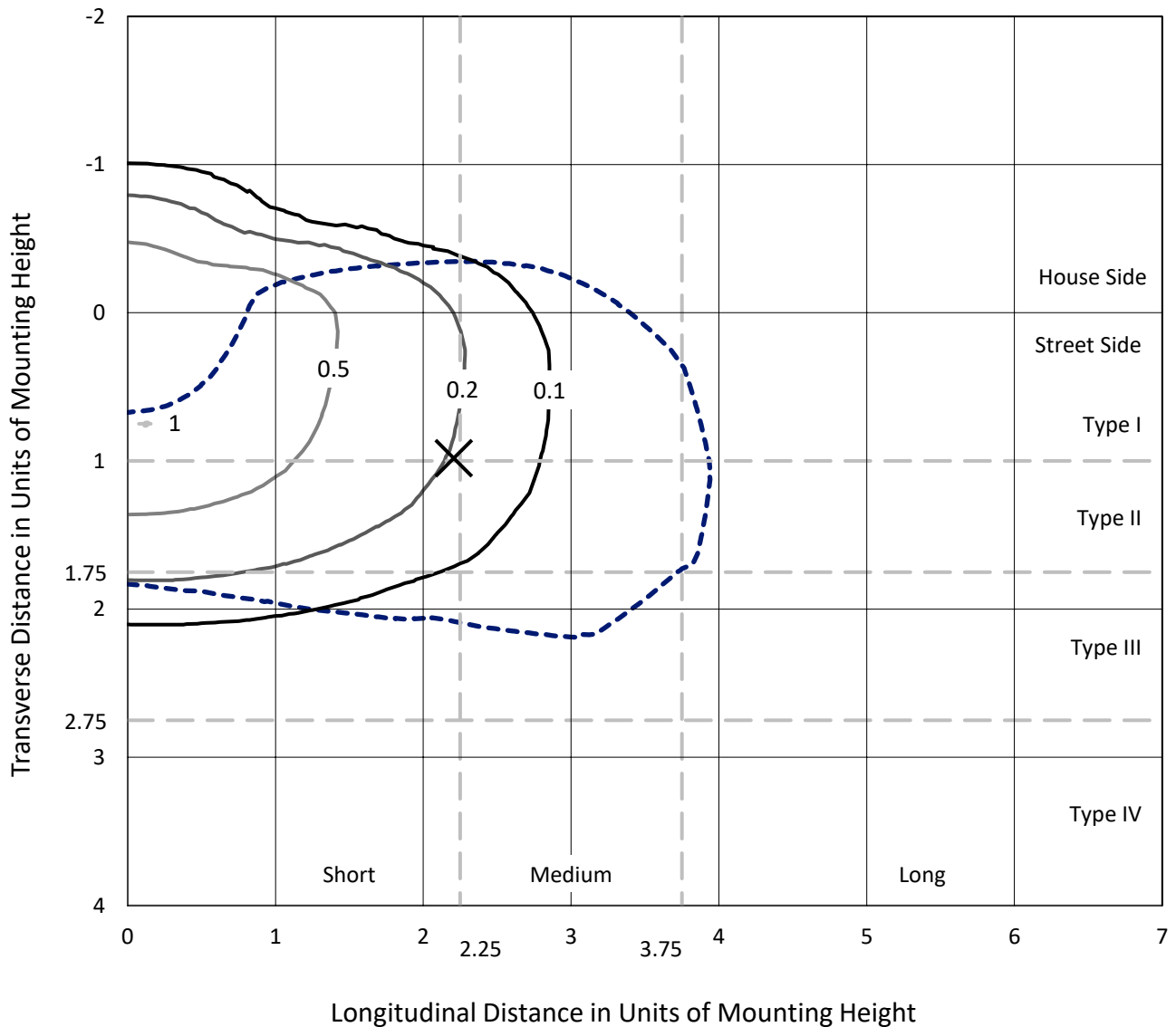
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

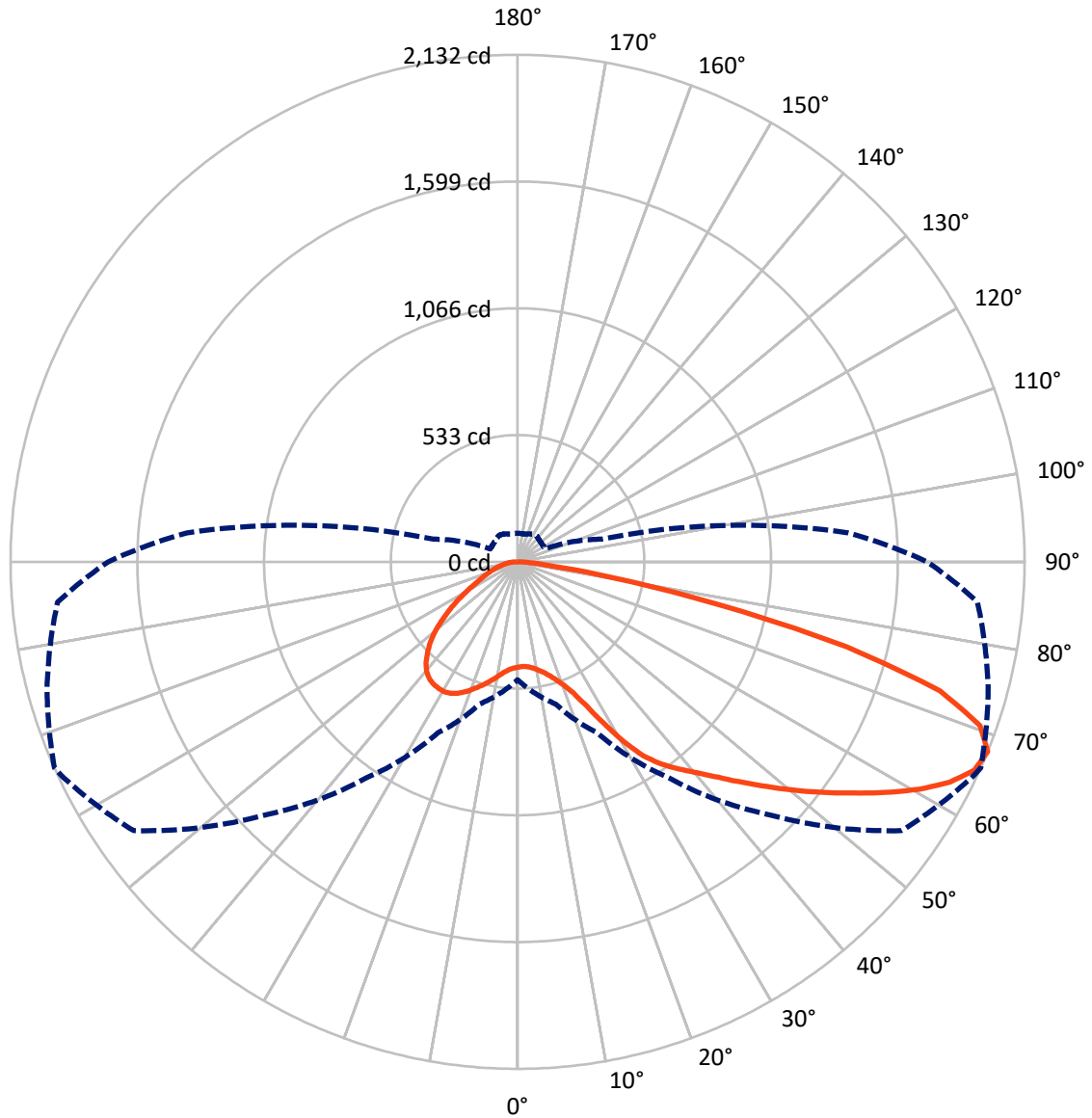
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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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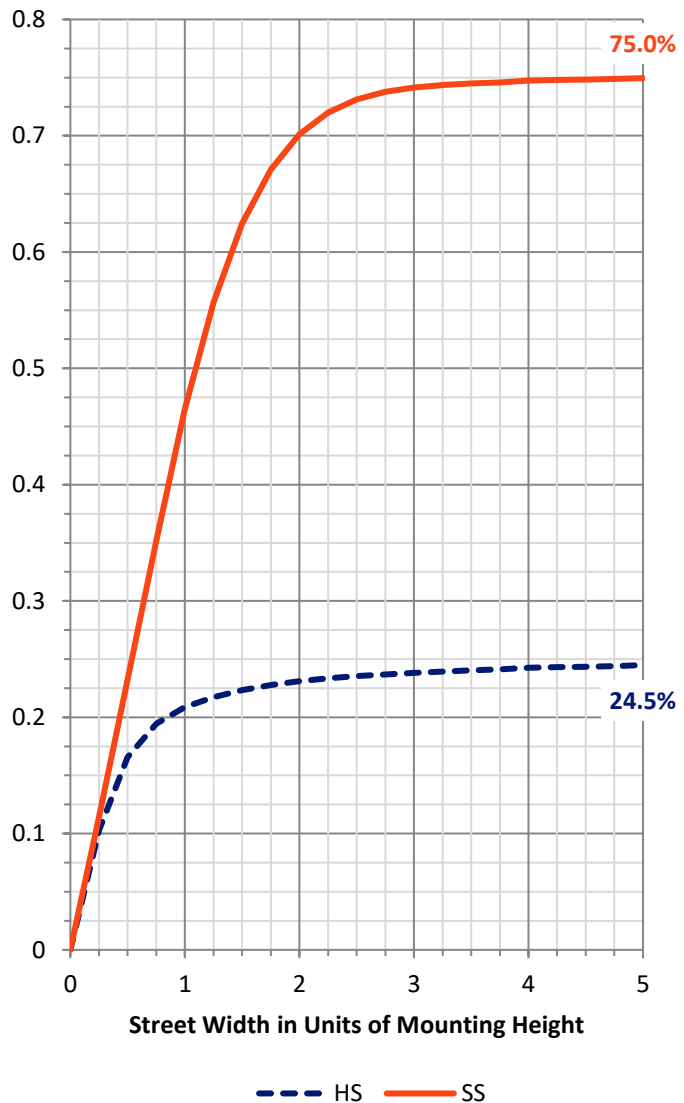
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	992.8	0.0	992.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	3000.1	0.0	3000.1
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	3993.0	0.0	3993.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	43.9	1.1
10°-20°	145.1	3.6
20°-30°	279.6	7.0
30°-40°	490.3	12.3
40°-50°	728.9	18.3
50°-60°	923.9	23.1
60°-70°	904.0	22.6
70°-80°	431.2	10.8
80°-90°	46.1	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°	3993.0	100.0
0°-180°	3993.0	100.0

**Coefficient of Utilization**

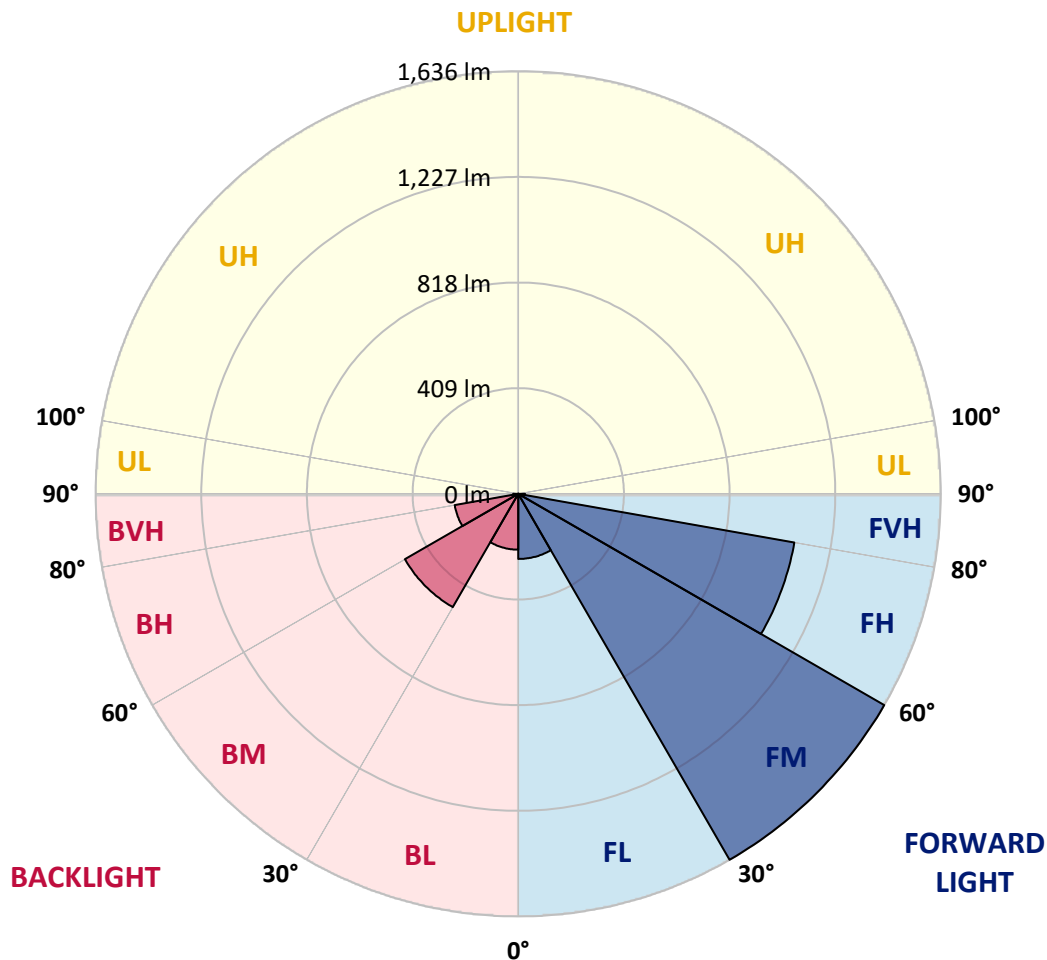


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	252.3	6.3			
FM (30°-60°)	1636.3	41.0			
FH (60°-80°)	1085.4	27.2			G1/1800
FVH (80°-90°)	26.1	0.7			G1/100
BL (0°-30°)	216.3	5.4	B1/500		
BM (30°-60°)	506.8	12.7	B1/1000		
BH (60°-80°)	249.8	6.3	B1/500		G1/500
BVH (80°-90°)	20.0	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-G1**  
 Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9
2.5°	438.3	440.8	440.1	439.1	438.9	439.3	439.9	440.6	440.4	441.4
5°	437.0	439.5	439.3	439.3	440.1	441.8	442.9	443.9	442.9	444.1
7.5°	437.8	439.7	440.6	441.4	443.5	446.7	449.2	451.5	450.2	451.7
10°	448.5	450.0	450.8	450.8	452.3	455.9	458.4	462.6	461.5	463.9
12.5°	468.1	469.5	469.5	468.7	469.7	472.0	472.9	477.5	475.6	479.4
15°	492.0	494.9	492.6	491.1	491.5	493.9	493.6	497.2	495.3	498.5
17.5°	518.4	522.2	518.4	518.2	517.4	519.9	520.1	523.2	519.9	522.2
20°	549.7	554.9	551.8	552.8	550.9	552.0	553.0	557.6	552.4	554.1
22.5°	593.7	600.0	596.7	600.6	599.4	598.5	598.3	606.5	598.3	599.0
25°	657.9	665.5	659.6	665.0	665.0	667.8	670.9	681.4	667.8	663.8
27.5°	752.7	760.3	748.8	752.1	751.1	757.8	754.4	780.4	765.8	759.2
30°	866.9	880.3	858.5	857.6	856.6	867.3	872.1	889.3	874.4	867.9
32.5°	990.2	1004.3	978.3	970.7	966.7	973.2	969.3	983.1	972.8	962.7
35°	1120.7	1134.6	1109.8	1095.1	1079.2	1065.5	1051.3	1054.8	1045.2	1029.9
37.5°	1244.1	1269.5	1243.2	1227.5	1198.1	1171.5	1131.6	1115.1	1106.0	1092.0
40°	1369.7	1384.2	1364.3	1350.9	1319.0	1277.2	1213.5	1178.4	1166.2	1152.6
42.5°	1462.3	1476.1	1465.4	1456.2	1431.2	1382.8	1300.3	1256.5	1238.8	1223.5
45°	1535.7	1546.0	1539.3	1542.6	1531.9	1484.9	1390.3	1340.2	1321.9	1303.2
47.5°	1565.3	1576.2	1586.9	1606.8	1625.1	1590.5	1487.0	1430.8	1411.5	1392.4
50°	1561.9	1573.0	1604.1	1646.5	1703.1	1691.6	1589.0	1527.3	1509.5	1487.7
52.5°	1535.1	1547.7	1587.5	1658.0	1748.2	1767.3	1692.8	1627.0	1610.2	1584.2
55°	1464.6	1472.1	1531.9	1631.8	1758.9	1820.2	1794.6	1733.1	1716.3	1680.0
57.5°	1333.9	1344.8	1431.8	1561.1	1732.1	1856.1	1884.0	1844.7	1828.6	1776.3
60°	1163.3	1180.7	1280.4	1442.3	1663.7	1855.8	1965.1	1954.4	1941.0	1871.2
62.5°	970.3	990.4	1086.3	1274.5	1544.1	1803.2	2015.9	2046.3	2039.4	1958.6
65°	745.2	759.0	854.5	1057.4	1358.0	1690.1	2021.8	2109.1	2110.3	2025.1
67.5°	496.2	536.0	618.9	793.4	1108.8	1505.3	1970.2	2119.3	2131.5	2048.0
70°	242.1	294.6	375.7	515.7	793.4	1221.8	1835.3	2035.0	2062.1	1981.3
72.5°	100.5	117.5	161.8	254.5	455.5	824.5	1564.2	1806.3	1856.5	1755.6
75°	67.8	73.4	92.5	130.5	207.5	406.6	1128.1	1346.9	1427.7	1325.9
77.5°	52.2	55.8	67.3	91.3	123.4	153.8	603.8	811.7	853.4	790.1
80°	41.1	43.8	50.4	66.5	87.5	82.2	205.8	367.8	391.9	328.7
82.5°	35.7	36.7	36.1	45.1	58.1	48.0	67.6	135.7	149.8	108.7
85°	25.8	28.7	30.0	27.9	30.8	24.3	27.7	48.0	52.9	47.2
87.5°	10.5	15.5	19.1	18.0	11.3	6.9	8.6	14.1	16.2	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°
442.9	0°	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9	442.9
443.1	2.5°	443.3	444.8	445.8	447.1	447.9	449.2	451.7	453.2	453.4	454.4
446.4	5°	447.3	449.4	451.7	455.0	458.8	462.0	466.8	470.1	471.4	472.5
454.6	7.5°	455.9	458.8	463.0	468.9	474.3	478.5	484.4	488.4	492.4	493.9
467.6	10°	468.7	472.9	479.0	486.9	492.8	498.3	504.3	507.7	511.7	513.4
483.2	12.5°	484.6	489.0	497.0	508.1	513.6	517.4	519.5	518.6	519.5	520.9
501.8	15°	502.9	507.7	516.7	528.7	532.5	529.1	524.5	520.3	519.7	520.1
524.5	17.5°	524.5	528.1	538.5	548.6	545.9	532.0	522.0	515.3	511.9	510.8
553.4	20°	554.7	554.7	563.3	569.6	551.3	527.8	512.1	501.2	494.3	491.3
592.9	22.5°	591.4	588.1	593.5	589.1	550.3	516.1	494.3	475.4	464.9	460.7
648.1	25°	638.0	634.0	632.5	605.3	542.7	497.4	462.0	439.1	429.9	427.6
727.6	27.5°	708.3	698.2	679.1	614.1	528.9	468.1	424.2	403.0	397.8	398.0
829.7	30°	801.8	781.7	734.9	615.5	506.2	426.5	385.6	370.5	368.0	369.0
915.5	32.5°	888.5	869.4	792.0	608.8	471.4	385.8	351.0	340.9	337.1	338.4
981.0	35°	956.5	951.2	844.8	599.4	428.6	347.6	319.9	311.3	304.0	302.3
1042.7	37.5°	1020.7	1018.6	884.5	586.2	386.2	320.6	295.0	283.6	272.9	267.1
1110.9	40°	1091.1	1089.0	910.5	565.8	348.7	297.1	272.5	257.6	244.4	233.7
1188.1	42.5°	1170.4	1158.1	922.9	536.7	316.8	277.1	254.3	234.1	216.7	206.9
1275.3	45°	1257.1	1229.2	922.7	499.5	289.9	258.9	234.8	206.2	190.1	180.8
1364.9	47.5°	1349.0	1297.2	911.3	458.4	263.9	238.7	204.5	182.7	172.0	166.4
1462.3	50°	1443.8	1360.7	892.0	411.2	237.3	215.9	185.7	170.8	162.6	157.3
1558.8	52.5°	1533.0	1418.4	868.8	357.7	210.2	193.6	177.3	165.7	157.1	151.3
1652.3	55°	1615.8	1468.1	835.8	302.9	188.2	178.7	173.3	163.6	153.8	146.9
1747.4	57.5°	1689.5	1500.5	779.0	251.5	172.5	168.5	169.1	160.1	148.7	142.9
1840.9	60°	1750.7	1524.2	694.8	203.9	159.7	158.4	162.6	153.4	140.1	133.4
1920.0	62.5°	1787.5	1523.7	591.6	167.0	148.7	149.2	154.0	145.0	131.5	125.2
1961.4	65°	1784.3	1486.4	478.3	142.9	138.3	138.7	145.0	135.7	124.4	120.6
1940.6	67.5°	1721.2	1395.3	366.9	127.1	126.7	128.6	135.9	129.4	120.0	119.6
1816.8	70°	1550.2	1206.3	264.3	114.5	114.8	117.5	127.1	125.5	117.7	118.5
1527.5	72.5°	1243.0	919.7	177.5	101.3	101.5	105.9	118.7	122.3	115.4	126.5
1083.8	75°	827.8	573.6	114.1	87.3	87.5	93.1	111.4	116.2	109.1	126.1
563.9	77.5°	397.8	257.8	82.7	73.4	73.4	78.7	96.3	104.1	92.9	98.0
181.3	80°	137.4	96.9	65.0	59.2	57.9	61.5	81.2	90.2	80.1	73.8
59.2	82.5°	54.1	50.4	52.2	45.9	41.7	44.1	63.1	74.5	59.0	53.3
33.4	85°	31.0	32.7	36.9	30.4	24.1	27.1	46.4	53.5	44.5	39.2
10.9	87.5°	8.4	11.5	17.0	15.7	10.9	11.5	22.0	29.6	25.6	19.7
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



<u>180°</u>
442.9
454.2
472.2
494.1
514.2
521.3
521.5
512.3
490.7
460.1
428.0
398.6
372.6
340.1
303.6
267.3
234.8
207.5
180.4
165.1
155.5
148.7
144.1
139.1
130.5
123.4
120.4
120.2
118.3
128.2
127.1
89.8
69.2
53.1
40.1
20.4
0.0

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