

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: P845783

Luminaire Tested: **GLAN-SB1A-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845783  
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-SB1A-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3683 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

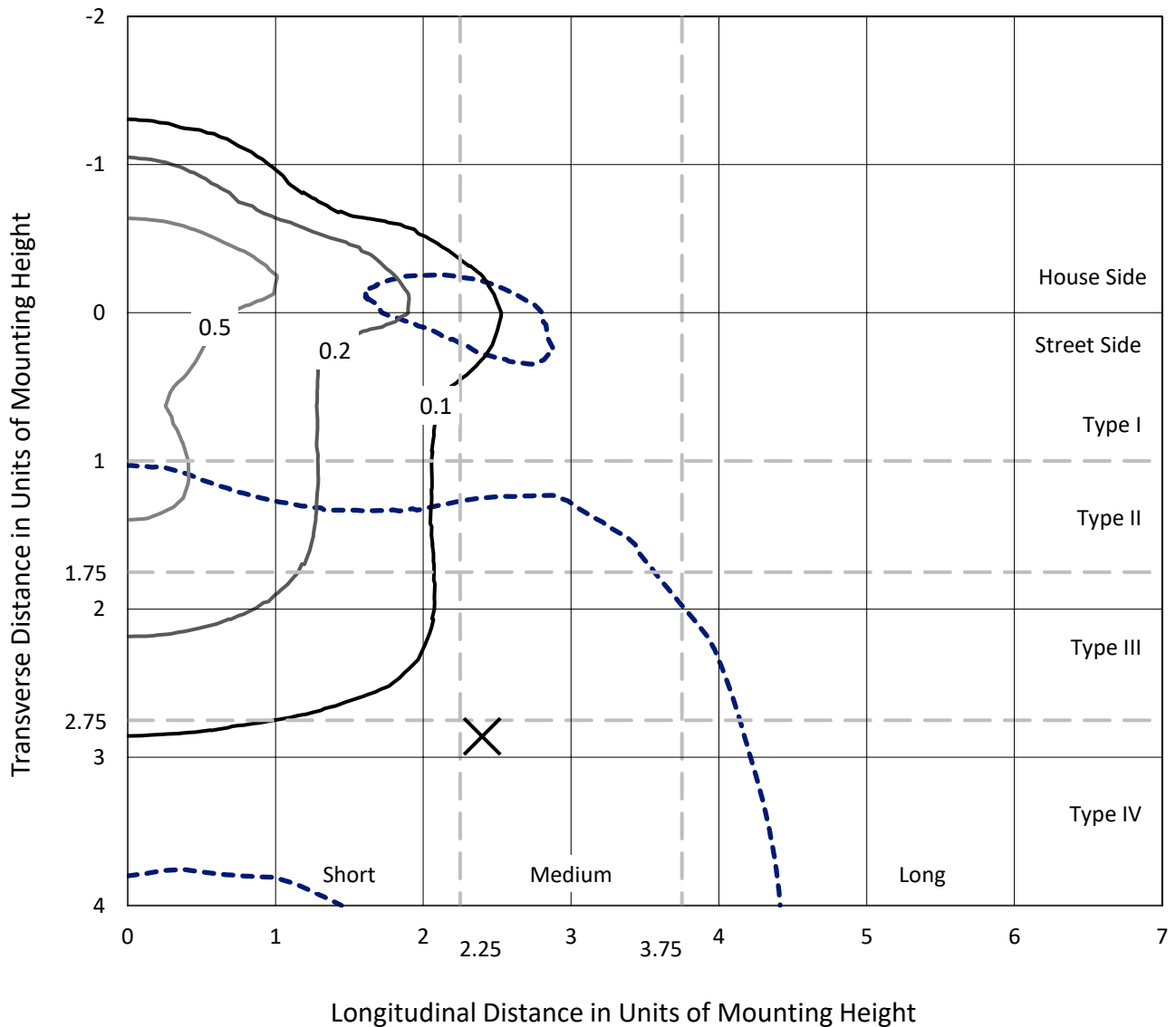
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

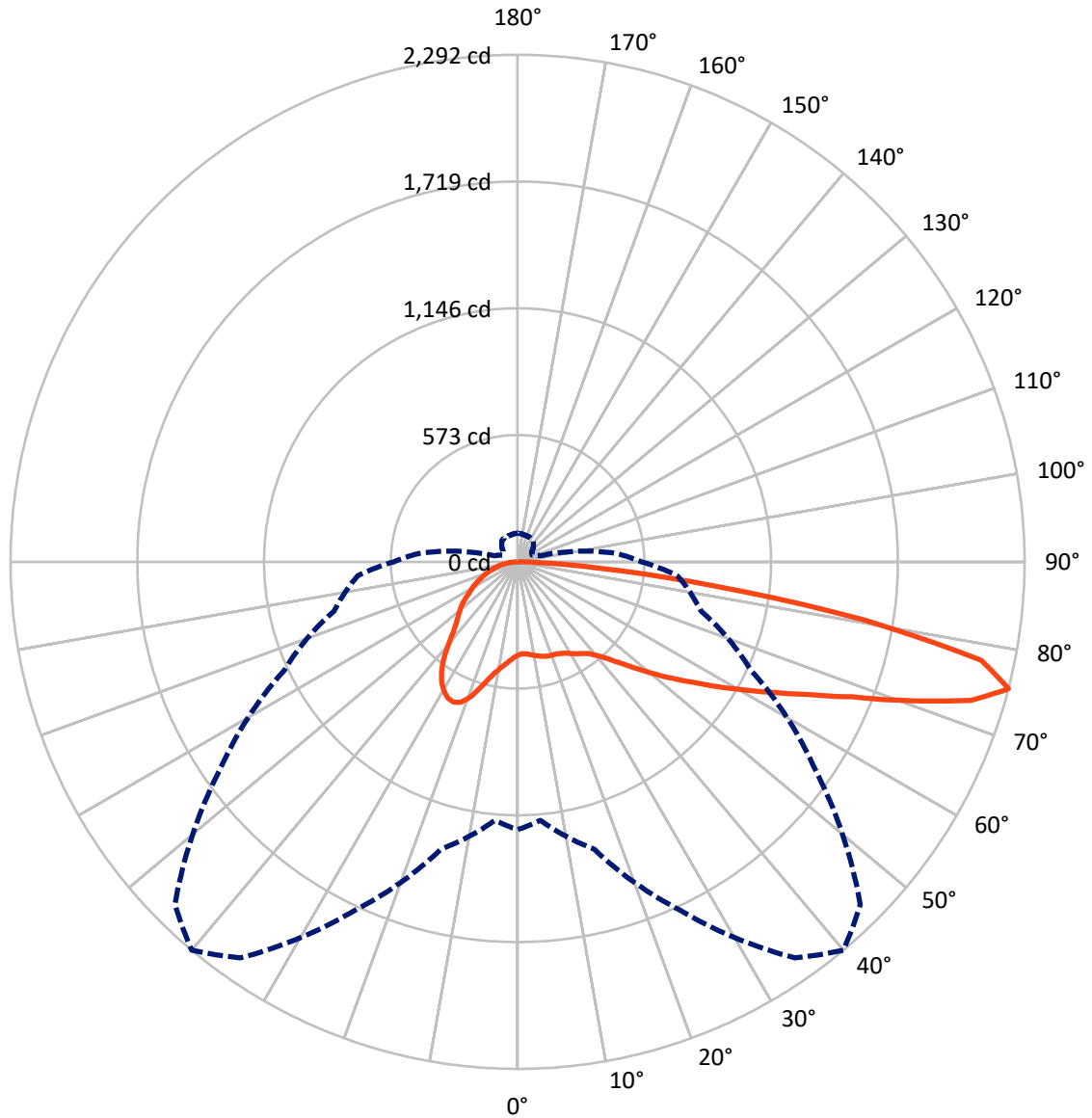
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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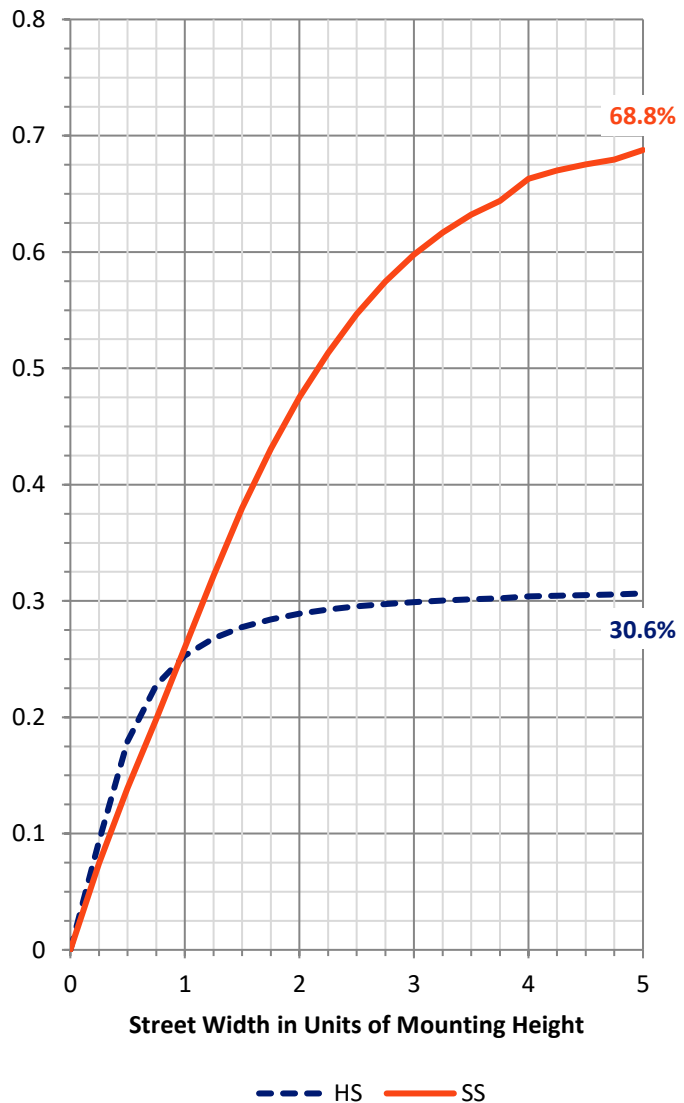
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1141.1	0.0	1141.1
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	2541.9	0.0	2541.9
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	3683.0	0.0	3683.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.0	1.1
10°-20°	141.1	3.8
20°-30°	257.7	7.0
30°-40°	365.5	9.9
40°-50°	493.6	13.4
50°-60°	664.0	18.0
60°-70°	842.7	22.9
70°-80°	764.8	20.8
80°-90°	111.5	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°	3683.0	100.0
0°-180°	3683.0	100.0

**Coefficient of Utilization**

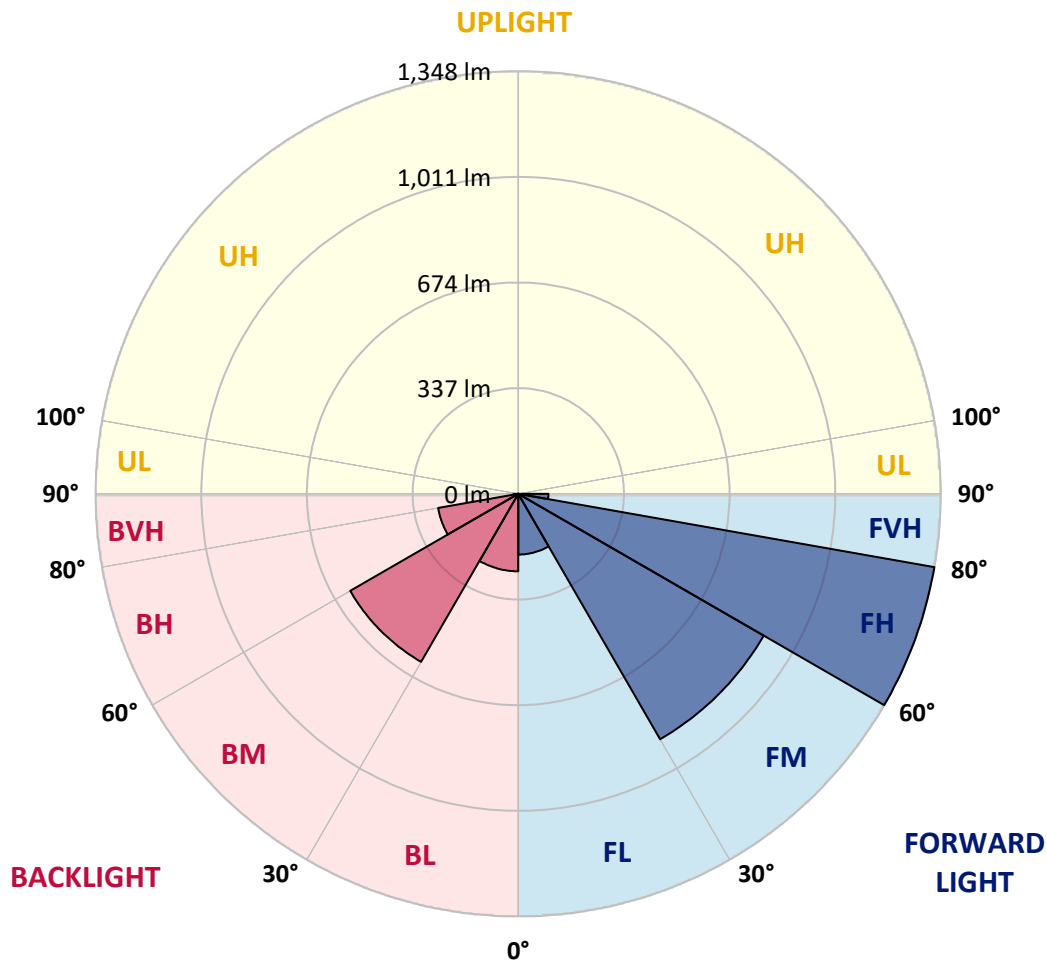


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	193.7	5.3			
FM (30°-60°)	904.1	24.5			
FH (60°-80°)	1347.9	36.6			G1/1800
FVH (80°-90°)	96.1	2.6			G1/100
BL (0°-30°)	247.2	6.7	B1/500		
BM (30°-60°)	619.0	16.8	B1/1000		
BH (60°-80°)	259.6	7.0	B1/500		G1/500
BVH (80°-90°)	15.4	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-G1**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2
2.5°	414.7	417.1	416.5	415.7	415.7	415.9	415.7	417.1	418.4	419.8
5°	419.0	421.4	420.2	419.2	418.4	418.2	417.6	417.4	418.2	420.0
7.5°	427.4	429.8	428.0	426.2	424.7	423.9	423.1	421.9	421.4	422.3
10°	436.8	439.1	437.0	433.9	431.3	430.3	429.6	428.4	427.6	428.2
12.5°	446.2	448.5	445.6	441.3	438.0	437.4	436.4	436.0	435.8	435.6
15°	455.0	456.9	453.2	448.1	444.6	443.6	442.6	443.2	444.2	445.4
17.5°	461.8	463.7	458.3	451.6	448.3	447.9	447.3	449.3	452.0	455.0
20°	468.0	470.0	463.0	454.0	450.1	450.1	450.3	454.4	458.3	462.6
22.5°	476.8	478.4	469.8	457.5	451.8	452.2	453.8	457.9	462.8	468.6
25°	489.9	491.1	480.5	464.1	457.7	458.9	460.2	462.2	466.9	473.7
27.5°	511.0	512.0	498.1	475.9	466.1	468.0	470.0	468.6	470.8	476.6
30°	540.7	541.3	523.7	494.2	480.3	481.3	481.7	476.0	471.9	476.6
32.5°	575.9	575.7	554.8	516.5	496.6	495.6	492.3	481.1	471.6	475.7
35°	630.4	628.2	601.3	547.7	514.9	508.9	501.1	486.8	473.5	474.7
37.5°	720.6	714.0	676.7	598.9	542.3	526.8	515.3	496.0	477.8	474.3
40°	822.4	814.0	773.0	669.0	583.3	558.5	539.9	509.1	484.8	476.0
42.5°	943.1	931.2	887.0	751.7	635.3	599.3	571.4	525.7	495.2	481.7
45°	1091.4	1075.5	1013.0	844.9	700.7	652.8	615.5	550.9	511.0	492.7
47.5°	1241.2	1245.1	1156.2	951.5	779.2	718.9	670.8	588.8	534.1	510.2
50°	1400.4	1403.1	1298.6	1069.7	868.3	793.5	732.9	631.1	566.1	535.2
52.5°	1524.6	1525.0	1427.9	1193.3	961.1	875.5	799.9	679.6	603.2	568.4
55°	1602.4	1601.4	1518.6	1310.3	1067.7	961.7	874.2	734.7	648.5	607.5
57.5°	1658.8	1655.9	1581.1	1411.0	1181.4	1063.4	958.1	797.2	702.1	654.0
60°	1680.3	1678.6	1623.5	1497.9	1301.0	1176.0	1055.0	867.1	762.8	708.9
62.5°	1688.5	1691.9	1665.1	1582.1	1428.9	1300.6	1161.5	950.7	831.2	771.0
65°	1717.4	1723.5	1718.0	1692.2	1573.5	1446.5	1302.7	1050.2	905.8	837.6
67.5°	1774.7	1780.7	1783.1	1824.1	1750.1	1628.4	1478.9	1174.0	993.1	906.8
70°	1773.3	1771.6	1813.0	1929.0	1971.2	1880.2	1716.5	1326.4	1097.2	964.2
72.5°	1614.1	1600.0	1697.9	1927.8	2155.2	2143.1	2006.5	1522.9	1187.1	971.2
75°	1210.9	1173.4	1346.3	1737.4	2185.9	2292.3	2190.9	1644.8	1165.8	858.1
77.5°	517.8	480.1	683.9	1286.1	1956.3	2142.9	2021.8	1435.0	930.6	567.5
80°	135.6	135.4	206.7	583.1	1330.5	1582.5	1388.3	926.7	531.7	202.8
82.5°	56.1	54.7	76.0	226.8	650.1	888.0	724.7	413.3	192.0	54.9
85°	20.9	20.7	36.9	78.3	229.3	366.3	265.1	105.7	47.9	26.8
87.5°	5.9	5.7	8.0	27.2	55.9	84.8	45.3	17.4	13.5	10.5
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°
421.2	0°	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2	421.2
421.9	2.5°	422.5	423.5	425.3	426.6	428.4	430.3	433.1	434.8	436.6	437.8
422.9	5°	424.3	426.4	430.9	435.4	440.7	445.6	451.2	455.3	458.7	459.6
426.4	7.5°	428.2	431.7	439.3	446.9	455.3	463.3	471.6	478.6	484.3	486.4
432.7	10°	435.0	439.7	450.5	461.2	472.3	484.6	495.2	505.3	513.4	516.7
440.1	12.5°	443.6	449.5	463.5	478.4	493.8	510.8	524.5	537.0	547.0	551.4
450.5	15°	454.8	462.4	480.3	500.3	522.9	546.6	564.0	577.8	589.0	594.4
461.2	17.5°	466.9	477.0	499.7	529.8	562.2	593.3	613.6	623.7	635.3	640.5
471.2	20°	478.6	491.1	523.5	567.3	610.4	643.5	659.9	662.6	663.4	664.0
480.5	22.5°	490.7	507.5	553.4	614.5	660.8	683.7	686.0	674.3	657.9	650.3
489.7	25°	504.0	526.2	592.5	666.7	704.2	706.9	689.0	660.4	629.4	615.1
497.1	27.5°	516.9	547.9	639.4	716.5	735.5	711.4	672.8	632.3	594.8	579.8
502.4	30°	529.8	572.7	691.1	760.1	749.7	700.3	647.2	602.0	564.3	548.5
507.1	32.5°	542.9	601.7	750.7	791.5	747.2	676.7	615.3	568.1	534.8	518.2
511.2	35°	557.7	637.2	807.2	808.7	730.2	641.9	573.3	527.4	498.5	485.2
516.1	37.5°	577.0	682.3	857.0	813.0	700.5	590.9	521.2	479.4	455.5	449.5
523.3	40°	601.1	736.6	895.1	806.2	656.5	529.0	464.1	430.7	417.2	418.6
533.1	42.5°	632.3	797.4	921.8	788.6	595.4	465.1	414.1	399.3	405.7	411.2
547.7	45°	673.0	860.5	938.4	758.7	526.2	411.0	384.6	388.1	393.0	393.6
571.4	47.5°	724.9	924.4	949.4	713.6	455.7	372.9	365.9	366.7	365.7	361.6
606.7	50°	789.8	986.5	959.1	653.8	395.8	349.1	339.7	337.0	323.5	310.2
653.8	52.5°	863.6	1043.5	963.2	579.6	349.1	329.2	313.9	296.7	271.5	267.4
713.0	55°	945.6	1096.3	952.7	488.4	309.8	303.6	280.5	259.8	257.1	253.6
790.9	57.5°	1043.7	1153.1	931.2	386.6	269.6	273.7	251.2	253.6	248.7	243.2
891.1	60°	1151.0	1211.9	893.5	293.8	228.0	236.4	243.6	243.4	242.0	237.5
996.8	62.5°	1247.4	1250.6	819.3	225.0	191.4	207.5	227.2	227.0	225.8	223.3
1107.2	65°	1304.9	1244.7	695.4	177.2	161.4	183.6	204.9	206.5	206.7	206.5
1190.2	67.5°	1294.7	1176.2	525.5	141.0	136.5	159.4	182.8	185.0	186.6	186.9
1200.8	70°	1179.9	1025.5	342.6	112.5	114.5	138.1	161.9	164.1	165.5	167.0
1042.0	72.5°	919.7	754.0	196.1	91.0	95.1	119.7	141.2	143.8	144.6	147.5
725.1	75°	560.4	443.4	105.9	71.7	78.1	102.4	120.7	123.7	125.0	128.5
356.1	77.5°	266.4	192.0	60.4	55.9	62.9	83.6	102.0	105.3	101.6	103.5
98.3	80°	90.1	71.3	38.1	42.6	48.1	65.2	81.7	85.0	77.2	76.8
32.6	82.5°	31.4	28.9	24.2	28.3	31.1	46.7	61.7	66.0	57.4	57.2
14.7	85°	12.3	11.7	13.5	15.4	18.6	28.7	40.6	42.8	35.4	28.5
4.3	87.5°	2.5	2.7	3.3	3.5	5.7	10.0	14.7	18.0	14.3	12.1
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°
421.2
437.0
460.0
486.6
516.9
551.4
594.0
640.3
665.5
652.4
617.3
581.5
550.3
520.4
488.2
453.8
423.3
416.3
397.5
364.7
312.0
268.8
254.1
242.2
236.0
222.3
206.5
187.3
167.8
148.7
128.9
102.0
76.0
54.5
28.1
11.1
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