

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: P852075

Luminaire Tested: **GLAN-SB1A-930-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852075  
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-SB1A-930-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 3000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2992 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

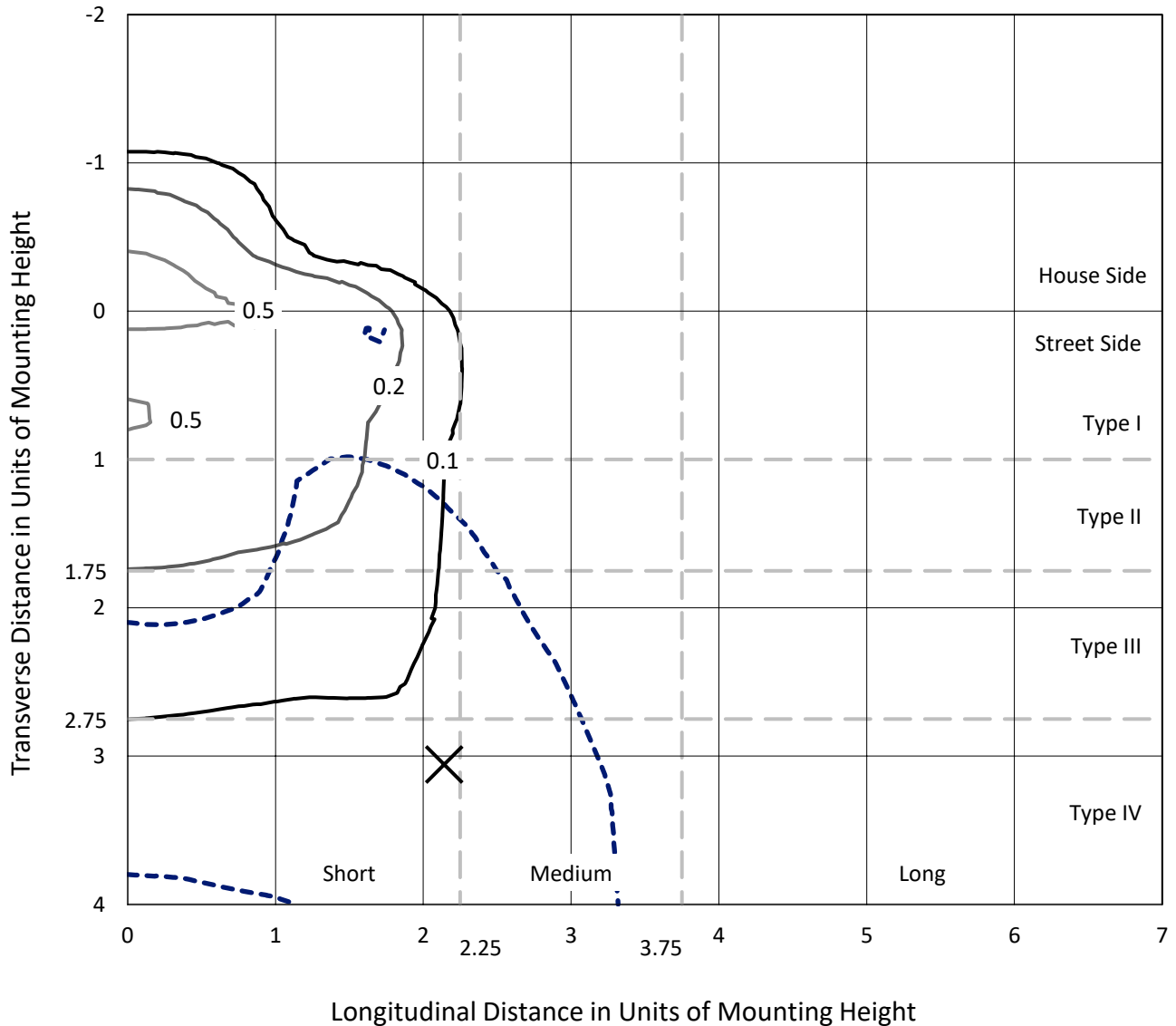
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

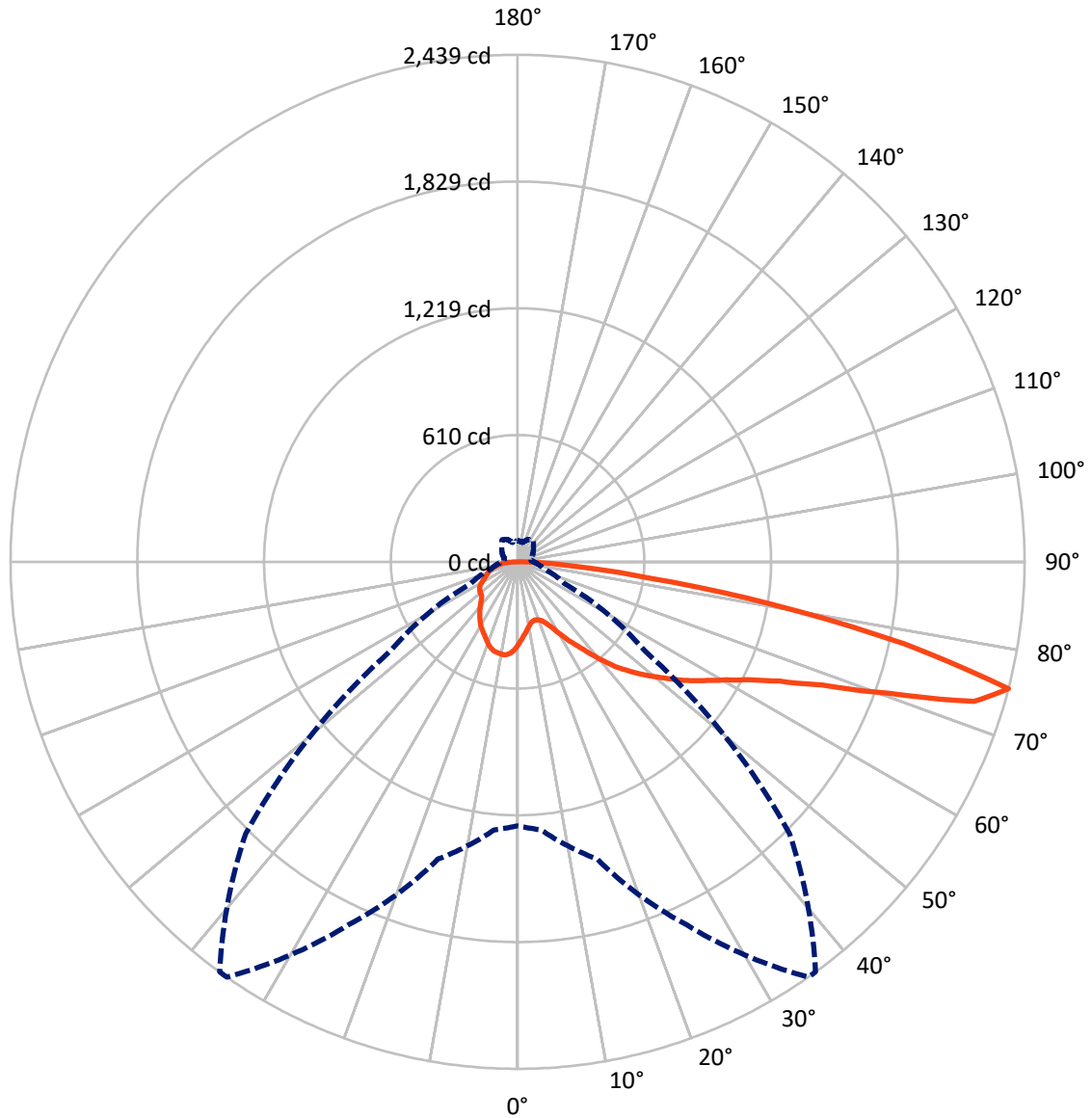
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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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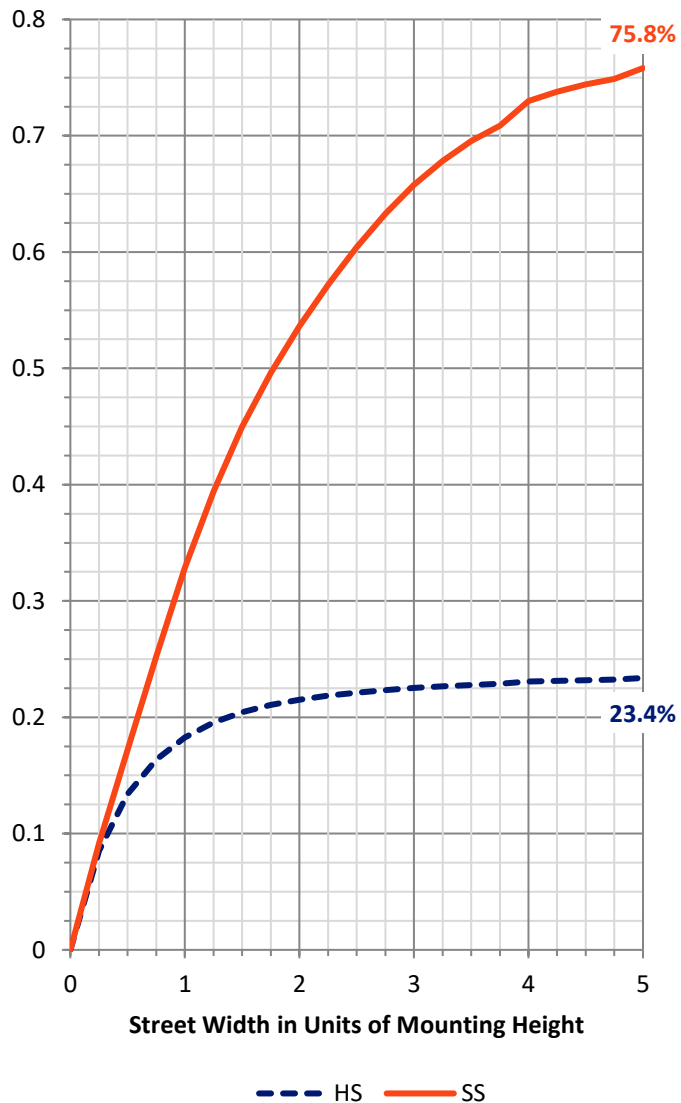
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	712.0	0.0	712.0
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	2280.0	0.0	2280.0
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	2992.0	0.0	2992.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.7	1.3
10°-20°	108.9	3.6
20°-30°	182.8	6.1
30°-40°	284.2	9.5
40°-50°	421.8	14.1
50°-60°	582.3	19.5
60°-70°	706.5	23.6
70°-80°	583.8	19.5
80°-90°	84.0	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°	2992.0	100.0
0°-180°	2992.0	100.0

**Coefficient of Utilization**

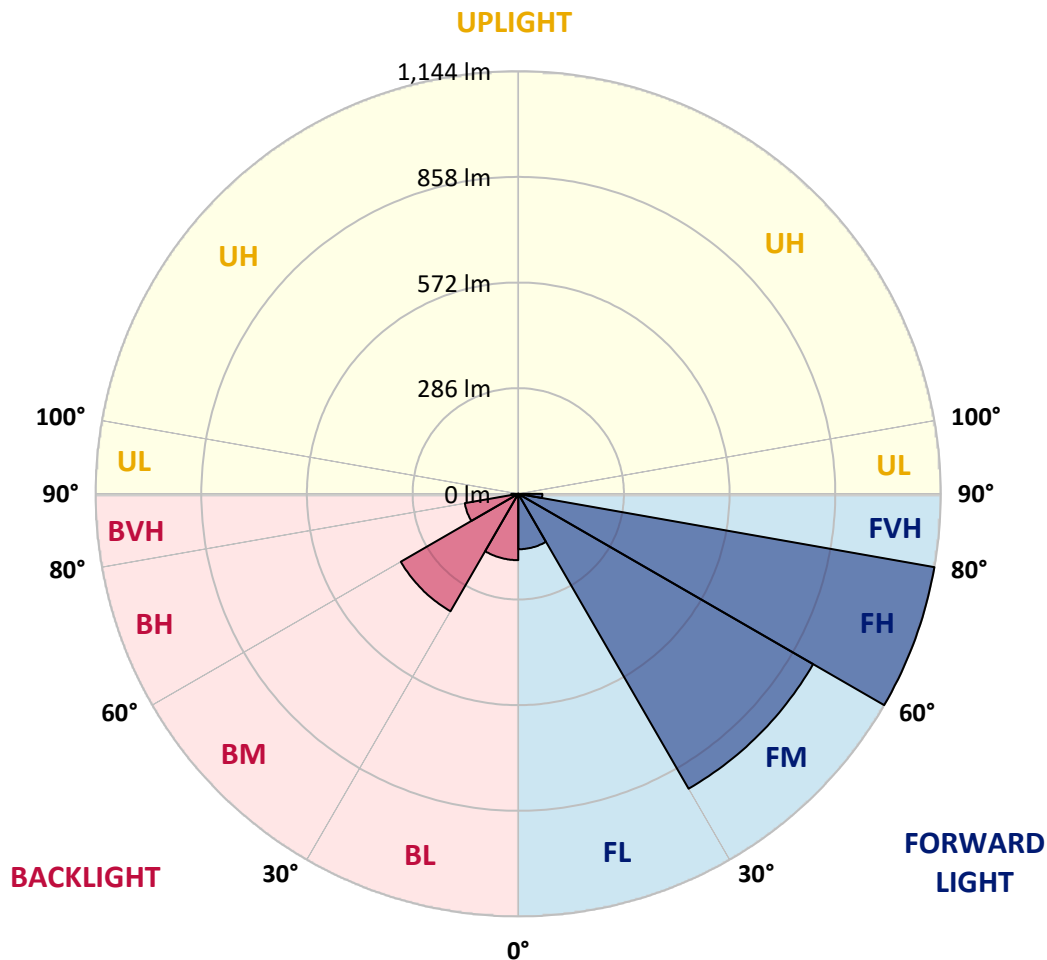


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.0	5.0			
FM (30°-60°)	921.4	30.8			
FH (60°-80°)	1143.5	38.2			G1/1800
FVH (80°-90°)	65.1	2.2			G1/100
BL (0°-30°)	179.4	6.0	B1/500		
BM (30°-60°)	366.9	12.3	B1/1000		
BH (60°-80°)	146.8	4.9	B1/500		G1/500
BVH (80°-90°)	18.9	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-G1**  
 Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7
2.5°	367.6	369.9	370.9	370.4	372.8	372.5	375.9	380.1	385.9	391.6
5°	339.3	341.8	343.9	345.8	350.5	352.0	357.3	365.4	376.1	386.9
7.5°	313.0	315.1	318.3	321.9	329.8	331.3	340.2	352.8	367.6	383.5
10°	291.5	293.6	297.0	301.0	310.9	312.7	324.0	340.8	360.2	380.3
12.5°	282.2	282.9	284.8	288.9	297.5	298.6	311.0	330.3	352.9	377.8
15°	281.8	283.1	283.2	285.3	292.4	292.9	304.4	323.5	348.4	377.4
17.5°	286.6	287.6	286.1	287.4	293.4	294.2	303.3	320.3	346.9	379.5
20°	299.6	300.4	296.0	294.2	298.6	299.2	308.1	322.4	348.4	383.8
22.5°	327.1	327.5	316.9	309.6	309.9	310.2	318.0	330.9	354.1	391.7
25°	369.9	369.6	352.6	338.5	330.4	328.7	333.8	344.8	363.6	402.3
27.5°	420.1	417.6	400.6	379.6	362.0	359.4	358.3	363.0	377.2	416.2
30°	476.7	474.4	456.1	428.6	404.2	400.0	389.3	386.9	397.4	435.1
32.5°	538.8	537.3	515.5	482.2	449.5	444.6	426.7	420.2	428.5	463.7
35°	590.9	589.6	571.4	537.2	497.2	491.2	472.9	465.7	469.9	500.4
37.5°	637.9	637.3	621.8	594.7	553.5	546.2	525.7	523.2	522.4	548.8
40°	681.6	680.0	663.8	649.6	619.0	612.4	594.3	592.2	586.0	608.3
42.5°	730.0	725.8	702.3	695.7	687.4	681.9	671.1	671.4	657.8	675.5
45°	769.4	767.0	742.9	739.0	747.9	745.6	755.0	757.5	731.1	745.8
47.5°	811.8	809.5	789.2	786.4	810.5	811.2	844.3	845.1	802.6	818.9
50°	864.0	860.8	840.6	844.0	871.0	873.4	934.1	928.6	868.4	893.2
52.5°	898.5	900.4	896.1	901.6	938.5	940.7	1022.4	1008.3	933.6	966.4
55°	923.9	927.8	941.4	954.0	1009.6	1011.9	1105.7	1084.2	987.6	1034.4
57.5°	956.6	951.1	976.5	1001.0	1077.2	1083.2	1186.7	1157.3	1035.5	1092.9
60°	1003.5	999.6	1019.3	1055.7	1152.9	1162.5	1272.5	1223.1	1070.6	1139.3
62.5°	1098.6	1088.9	1091.9	1124.1	1248.4	1261.0	1369.2	1280.5	1088.1	1157.5
65°	1240.8	1224.1	1208.6	1230.9	1382.8	1395.2	1478.4	1325.7	1081.6	1122.4
67.5°	1419.8	1403.3	1384.2	1405.3	1580.7	1590.6	1613.1	1351.1	1030.6	987.1
70°	1567.5	1561.3	1584.1	1670.7	1897.0	1897.3	1785.8	1330.0	891.1	699.9
72.5°	1547.9	1544.2	1664.4	1931.9	2295.5	2286.9	1949.4	1170.9	600.2	315.7
75°	1269.9	1294.0	1480.1	1927.2	2438.6	2437.5	1849.2	744.4	248.3	130.9
77.5°	681.0	719.1	960.9	1422.9	1903.8	1932.4	1300.1	260.4	106.6	83.8
80°	222.1	255.4	383.0	724.5	1237.0	1231.7	557.2	102.2	72.9	59.4
82.5°	94.3	98.2	171.1	342.1	634.9	625.0	177.4	58.7	51.3	40.6
85°	36.9	41.2	75.5	158.2	275.0	269.0	64.1	29.1	32.8	26.5
87.5°	12.1	14.7	27.0	54.2	85.6	82.5	15.7	10.0	14.2	12.1
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°
398.7	0°	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7	398.7
399.8	2.5°	402.1	404.7	407.8	412.3	416.2	419.4	422.8	424.9	425.7	428.1
400.5	5°	405.0	410.7	418.3	425.7	433.0	437.4	441.2	443.2	445.0	446.3
402.3	7.5°	409.9	417.1	429.1	438.8	445.0	448.5	451.1	450.5	451.1	451.4
404.2	10°	414.1	424.3	438.5	447.7	452.4	452.6	451.9	449.7	448.5	448.7
407.1	12.5°	419.1	430.4	445.8	453.5	454.8	451.3	448.5	444.6	443.2	442.5
411.5	15°	425.9	438.8	453.7	456.6	453.4	448.8	444.2	437.8	434.6	432.0
418.9	17.5°	434.1	448.4	459.8	457.7	450.8	443.3	435.7	426.2	419.6	416.8
429.1	20°	445.6	458.4	464.5	455.3	444.8	433.5	420.5	408.9	402.7	400.0
442.1	22.5°	459.5	471.8	469.1	451.1	436.2	418.1	401.9	393.4	390.3	388.4
458.7	25°	476.2	486.7	472.3	445.0	422.2	397.7	385.3	382.5	381.1	379.6
479.1	27.5°	497.9	503.5	474.7	435.9	400.2	376.1	371.5	372.0	371.5	369.1
507.4	30°	526.5	525.4	477.0	421.2	374.9	356.5	356.8	358.9	359.2	357.6
546.9	32.5°	564.2	552.7	478.1	402.1	350.8	339.3	339.7	341.9	343.5	340.8
598.5	35°	609.8	584.6	476.3	378.2	332.2	323.0	320.6	321.2	321.7	319.1
661.1	37.5°	663.0	620.3	468.4	351.6	316.9	307.0	301.8	297.5	294.9	292.4
731.9	40°	721.4	659.3	453.9	325.8	299.7	290.0	282.2	274.0	265.3	262.0
807.0	42.5°	782.5	699.4	436.2	301.0	280.0	272.1	263.8	251.8	238.7	232.1
884.9	45°	845.9	740.5	418.9	276.6	259.8	256.4	246.8	232.4	218.2	209.8
963.0	47.5°	908.0	779.3	393.5	252.0	240.8	244.6	237.1	223.9	208.0	194.7
1040.5	50°	967.4	815.7	352.0	227.1	225.5	241.0	233.9	214.8	196.7	179.7
1116.5	52.5°	1026.3	845.1	298.7	204.4	217.2	240.0	229.7	208.7	186.5	168.7
1188.0	55°	1076.3	860.3	247.5	185.0	205.3	231.8	224.7	201.4	172.1	153.2
1237.0	57.5°	1104.7	848.0	204.8	166.0	188.8	218.2	216.1	185.8	155.0	140.4
1246.6	60°	1092.4	798.2	169.8	149.3	173.1	203.5	201.2	170.5	141.9	128.1
1195.5	62.5°	1024.7	703.3	142.2	134.7	158.8	188.4	186.3	158.7	131.8	118.6
1059.8	65°	888.1	572.1	120.7	122.6	144.4	170.3	173.4	148.8	123.9	111.0
819.9	67.5°	677.4	414.4	103.8	112.1	130.4	152.5	161.4	141.7	117.3	105.0
474.4	70°	386.1	235.3	89.6	101.9	117.9	136.0	152.2	136.0	110.1	100.0
177.8	72.5°	146.4	108.0	77.5	91.7	105.9	122.1	142.0	127.1	101.9	94.3
91.9	75°	78.1	65.8	65.2	79.7	92.2	108.5	129.2	118.4	95.8	99.6
63.6	77.5°	53.2	46.6	54.5	68.3	77.2	93.5	115.6	105.1	83.0	82.7
44.0	80°	36.9	33.0	44.3	55.0	59.7	78.6	100.9	90.3	67.6	63.1
27.2	82.5°	22.2	21.5	33.2	41.1	42.2	60.7	83.6	75.7	55.3	48.2
16.2	85°	12.1	12.8	21.2	24.1	24.6	42.4	65.5	58.6	42.5	35.7
5.8	87.5°	3.4	4.4	7.8	9.5	11.8	22.0	39.0	34.8	21.4	14.9
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>
398.7
428.0
446.6
451.9
449.0
442.2
432.8
417.0
399.7
388.7
379.6
369.6
358.4
342.1
320.9
294.1
263.5
232.9
209.1
193.3
178.2
166.8
151.6
138.5
126.2
116.5
108.9
103.0
98.7
93.0
102.9
76.2
60.3
48.5
36.1
14.9
0.0

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