

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: P852141

Luminaire Tested: **GLAN-SB1C-927-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852141  
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-SB1C-927-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4768 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

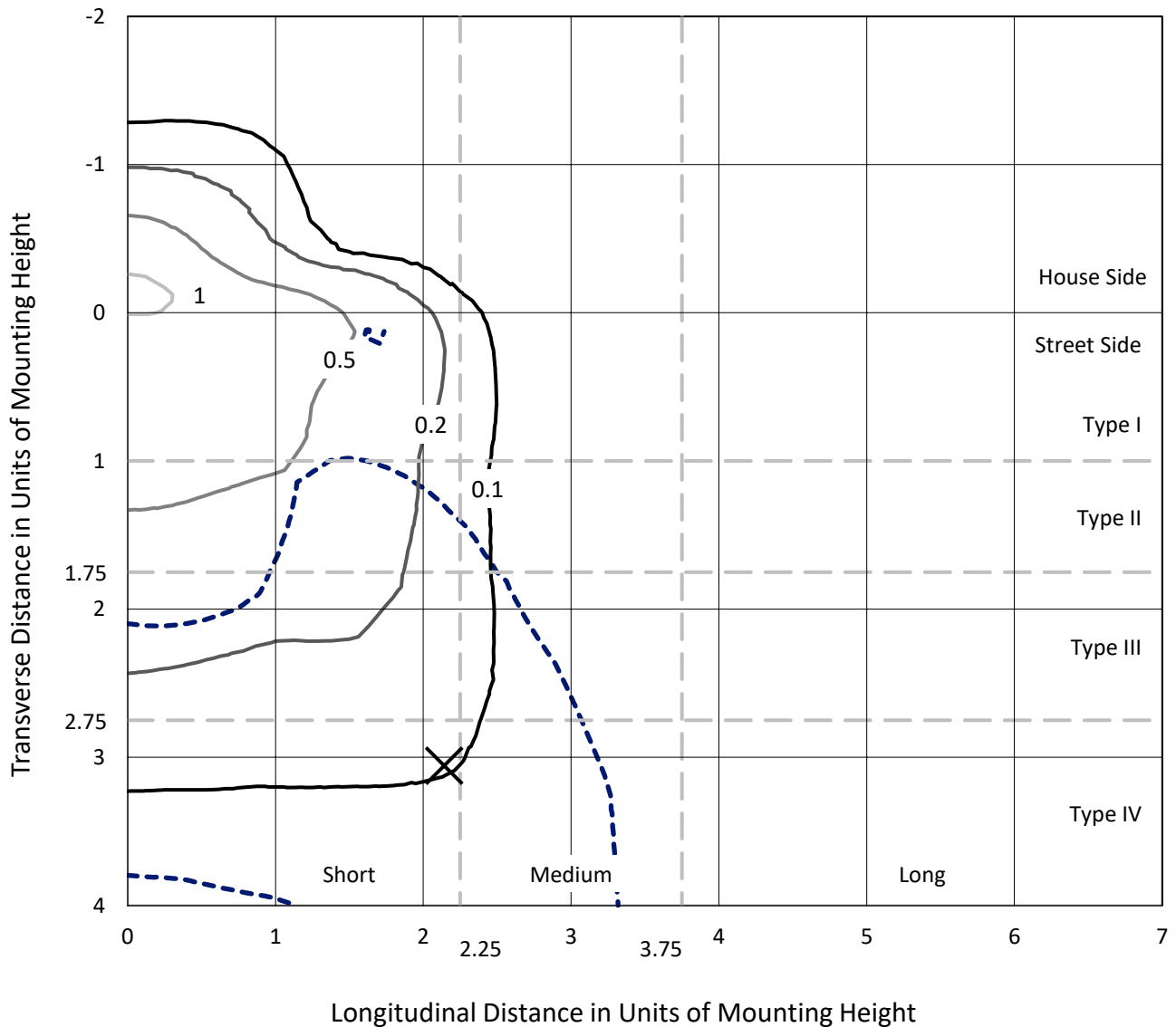
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

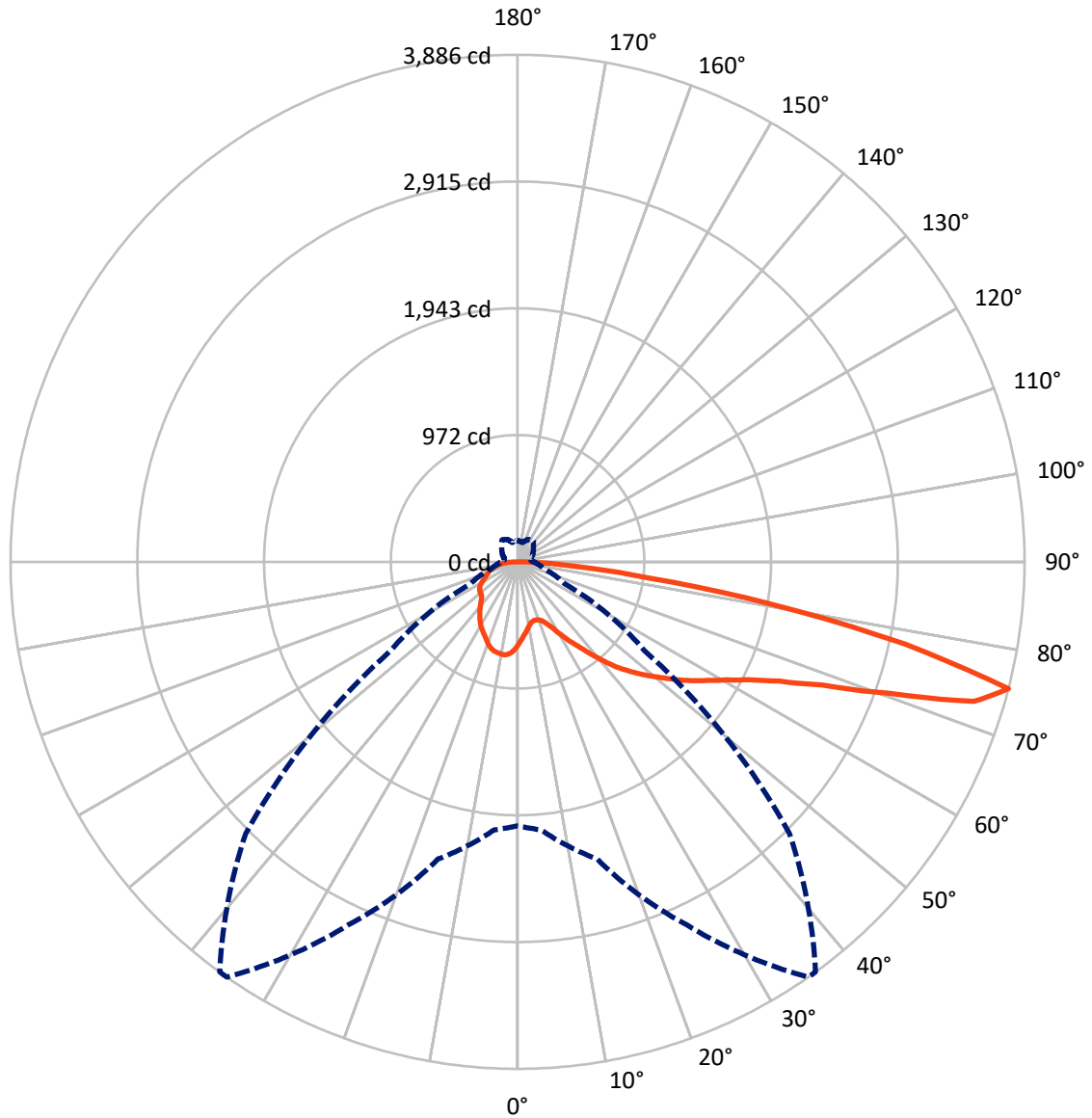
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	1134.7	0.0	1134.7
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	3633.3	0.0	3633.3
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	4768.0	0.0	4768.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.2	1.3
10°-20°	173.5	3.6
20°-30°	291.4	6.1
30°-40°	452.9	9.5
40°-50°	672.1	14.1
50°-60°	927.9	19.5
60°-70°	1125.8	23.6
70°-80°	930.4	19.5
80°-90°	133.8	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°	4768.0	100.0
0°-180°	4768.0	100.0

**Coefficient of Utilization**



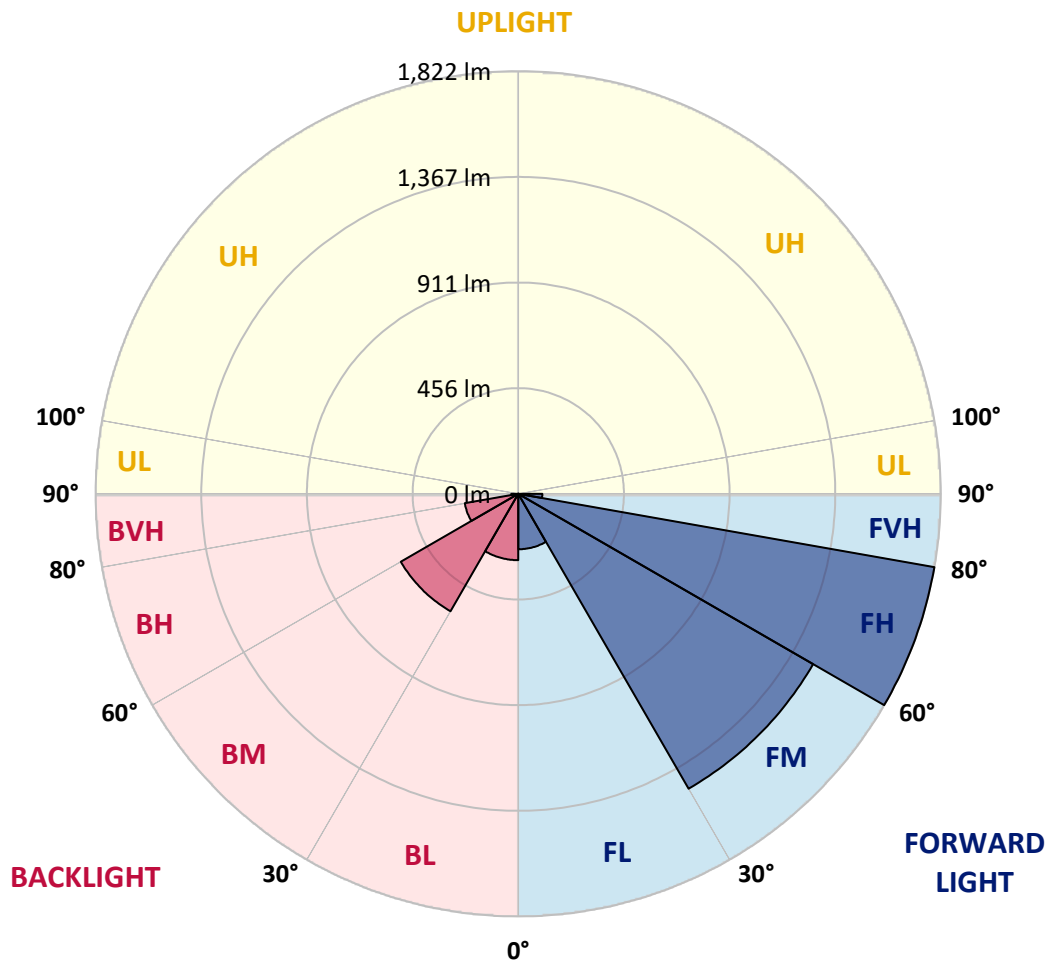
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.1	5.0			
FM (30°-60°)	1468.3	30.8			
FH (60°-80°)	1822.3	38.2			G2/5000
FVH (80°-90°)	103.7	2.2			G2/225
BL (0°-30°)	286.0	6.0	B1/500		
BM (30°-60°)	584.7	12.3	B1/1000		
BH (60°-80°)	233.9	4.9	B1/500		G1/500
BVH (80°-90°)	30.1	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-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	635.4	635.4	635.4	635.4	635.4	635.4	635.4	635.4	635.4	635.4
2.5°	585.9	589.5	591.0	590.3	594.1	593.6	599.0	605.7	615.0	624.0
5°	540.8	544.6	548.0	551.1	558.6	560.9	569.4	582.3	599.3	616.6
7.5°	498.8	502.1	507.3	512.9	525.6	527.9	542.1	562.2	585.9	611.1
10°	464.5	467.8	473.2	479.7	495.4	498.2	516.3	543.1	574.0	606.0
12.5°	449.8	450.8	453.9	460.4	474.0	475.8	495.7	526.3	562.4	602.1
15°	449.0	451.1	451.3	454.7	466.0	466.8	485.1	515.5	555.2	601.3
17.5°	456.7	458.3	456.0	458.0	467.6	468.9	483.3	510.4	552.9	604.7
20°	477.4	478.7	471.7	468.9	475.8	476.8	491.0	513.7	555.2	611.7
22.5°	521.2	522.0	504.9	493.3	493.9	494.4	506.7	527.4	564.2	624.3
25°	589.5	589.0	561.9	539.5	526.6	523.8	532.0	549.5	579.4	641.0
27.5°	669.4	665.5	638.5	605.0	576.9	572.7	570.9	578.4	601.1	663.2
30°	759.6	756.0	726.9	683.1	644.1	637.4	620.4	616.6	633.3	693.4
32.5°	858.6	856.3	821.5	768.4	716.3	708.6	680.0	669.6	682.8	739.0
35°	941.6	939.5	910.7	856.0	792.3	782.8	753.7	742.1	748.8	797.5
37.5°	1016.6	1015.6	990.8	947.8	882.0	870.4	837.7	833.8	832.6	874.6
40°	1086.2	1083.6	1057.8	1035.1	986.4	975.9	947.0	943.6	933.8	969.4
42.5°	1163.3	1156.6	1119.2	1108.6	1095.5	1086.7	1069.4	1069.9	1048.3	1076.4
45°	1226.1	1222.3	1183.9	1177.7	1191.9	1188.3	1203.2	1207.1	1165.1	1188.5
47.5°	1293.7	1290.1	1257.6	1253.2	1291.6	1292.6	1345.5	1346.8	1279.0	1305.0
50°	1376.9	1371.8	1339.6	1345.0	1388.0	1391.9	1488.5	1479.8	1383.9	1423.3
52.5°	1431.8	1434.9	1428.0	1436.7	1495.5	1499.1	1629.3	1606.9	1487.8	1540.1
55°	1472.3	1478.5	1500.1	1520.2	1608.9	1612.5	1762.0	1727.7	1573.9	1648.3
57.5°	1524.4	1515.6	1556.1	1595.3	1716.7	1726.2	1891.2	1844.2	1650.2	1741.7
60°	1599.1	1592.9	1624.4	1682.4	1837.3	1852.5	2027.8	1949.1	1706.1	1815.6
62.5°	1750.7	1735.2	1740.1	1791.4	1989.4	2009.5	2181.9	2040.7	1733.9	1844.5
65°	1977.2	1950.7	1926.0	1961.5	2203.6	2223.4	2355.9	2112.6	1723.6	1788.6
67.5°	2262.6	2236.3	2205.9	2239.4	2519.0	2534.8	2570.6	2153.0	1642.4	1573.1
70°	2497.9	2488.1	2524.5	2662.4	3023.0	3023.5	2845.9	2119.5	1420.0	1115.3
72.5°	2466.7	2460.8	2652.3	3078.6	3658.1	3644.4	3106.5	1865.9	956.5	503.1
75°	2023.6	2062.0	2358.7	3071.2	3886.2	3884.4	2946.9	1186.2	395.7	208.5
77.5°	1085.2	1146.0	1531.3	2267.5	3033.8	3079.4	2071.8	415.0	169.9	133.5
80°	353.9	407.0	610.4	1154.5	1971.3	1962.8	888.0	162.9	116.2	94.6
82.5°	150.3	156.5	272.7	545.2	1011.7	996.0	282.8	93.6	81.7	64.7
85°	58.8	65.7	120.4	252.1	438.2	428.6	102.1	46.4	52.3	42.3
87.5°	19.3	23.5	43.0	86.3	136.4	131.5	25.0	16.0	22.7	19.3
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°
635.4	0°	635.4	635.4	635.4	635.4	635.4	635.4	635.4	635.4	635.4	635.4
637.2	2.5°	640.8	644.9	649.8	657.0	663.2	668.4	673.8	677.1	678.4	682.3
638.2	5°	645.4	654.4	666.6	678.4	690.0	697.0	703.2	706.3	709.1	711.1
641.0	7.5°	653.2	664.8	683.8	699.3	709.1	714.8	718.9	717.9	718.9	719.4
644.1	10°	659.9	676.1	698.8	713.5	720.9	721.2	720.2	716.6	714.8	715.0
648.8	12.5°	667.8	685.9	710.4	722.7	724.8	719.1	714.8	708.6	706.3	705.2
655.7	15°	678.7	699.3	723.0	727.6	722.5	715.3	707.8	697.7	692.6	688.5
667.6	17.5°	691.8	714.5	732.8	729.4	718.4	706.5	694.4	679.2	668.6	664.2
683.8	20°	710.1	730.5	740.3	725.6	708.8	690.8	670.2	651.6	641.8	637.4
704.4	22.5°	732.3	751.9	747.5	718.9	695.2	666.3	640.5	626.9	622.0	618.9
731.0	25°	758.8	775.6	752.6	709.1	672.7	633.8	614.0	609.6	607.3	605.0
763.5	27.5°	793.4	802.4	756.5	694.7	637.7	599.3	592.1	592.8	592.1	588.2
808.6	30°	839.0	837.2	760.1	671.2	597.5	568.1	568.6	572.0	572.5	569.9
871.5	32.5°	899.1	880.8	761.9	640.8	559.1	540.8	541.3	544.9	547.5	543.1
953.7	35°	971.7	931.5	759.1	602.6	529.4	514.7	510.9	511.9	512.7	508.6
1053.4	37.5°	1056.5	988.5	746.5	560.4	504.9	489.2	481.0	474.0	469.9	466.0
1166.3	40°	1149.6	1050.6	723.3	519.1	477.6	462.2	449.8	436.6	422.7	417.6
1285.9	42.5°	1247.0	1114.5	695.2	479.7	446.2	433.5	420.4	401.3	380.4	369.9
1410.2	45°	1348.1	1180.0	667.6	440.8	414.0	408.5	393.3	370.4	347.7	334.3
1534.7	47.5°	1447.0	1241.9	627.1	401.6	383.8	389.7	377.9	356.7	331.5	310.3
1658.1	50°	1541.6	1299.9	560.9	361.9	359.3	384.1	372.7	342.3	313.4	286.4
1779.3	52.5°	1635.5	1346.8	476.1	325.8	346.2	382.5	366.0	332.5	297.2	268.8
1893.2	55°	1715.1	1371.0	394.4	294.9	327.1	369.4	358.0	320.9	274.3	244.1
1971.3	57.5°	1760.5	1351.4	326.3	264.5	300.8	347.7	344.4	296.2	246.9	223.7
1986.5	60°	1740.9	1272.0	270.6	237.9	275.8	324.3	320.6	271.7	226.1	204.1
1905.1	62.5°	1632.9	1120.7	226.6	214.7	253.1	300.3	296.9	252.9	210.1	188.9
1688.8	65°	1415.3	911.7	192.3	195.4	230.2	271.4	276.3	237.1	197.4	176.8
1306.6	67.5°	1079.5	660.4	165.5	178.6	207.8	243.1	257.2	225.8	186.9	167.3
756.0	70°	615.3	375.0	142.8	162.4	187.9	216.8	242.5	216.8	175.5	159.3
283.3	72.5°	233.3	172.2	123.5	146.1	168.8	194.6	226.3	202.6	162.4	150.3
146.4	75°	124.5	104.9	103.9	127.1	146.9	173.0	205.9	188.7	152.6	158.8
101.3	77.5°	84.8	74.2	86.9	108.8	122.9	149.0	184.3	167.5	132.2	131.7
70.1	80°	58.8	52.6	70.6	87.6	95.1	125.3	160.8	143.8	107.7	100.5
43.3	82.5°	35.3	34.3	52.8	65.5	67.3	96.7	133.3	120.6	88.2	76.8
25.8	85°	19.3	20.4	33.8	38.4	39.2	67.5	104.4	93.3	67.8	57.0
9.3	87.5°	5.4	7.0	12.4	15.2	18.8	35.1	62.1	55.4	34.0	23.7
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



180°
635.4
682.0
711.7
720.2
715.5
704.7
689.8
664.5
636.9
619.4
605.0
589.0
571.2
545.2
511.4
468.6
419.9
371.2
333.3
308.0
284.0
265.7
241.5
220.6
201.0
185.6
173.5
164.2
157.2
148.2
163.9
121.4
96.1
77.3
57.5
23.7
0.0

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