

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: P852143

Luminaire Tested: **GLAN-SB1C-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852143
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-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4995 lumens
Efficiency: N/A
Efficacy: 91.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

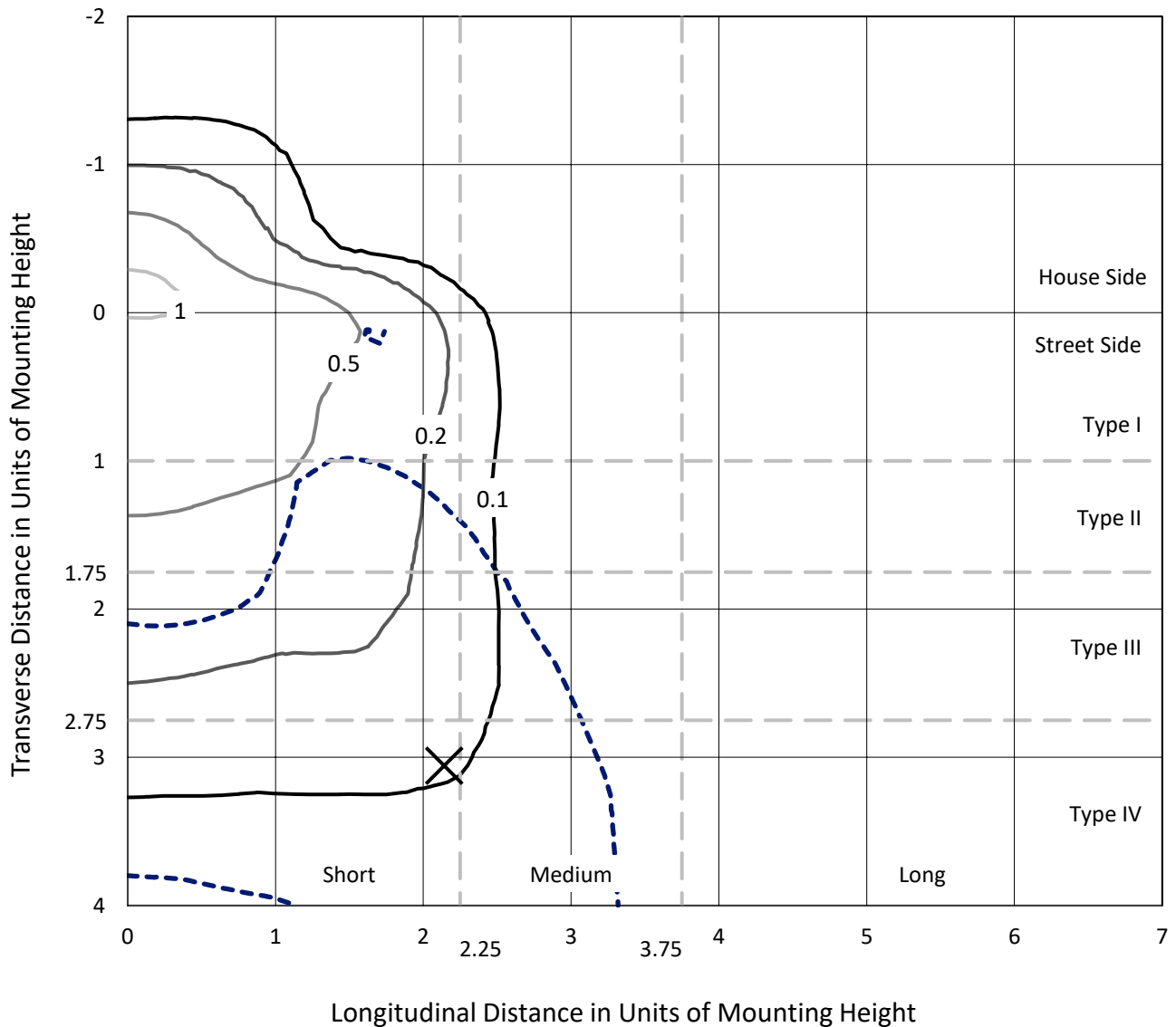
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

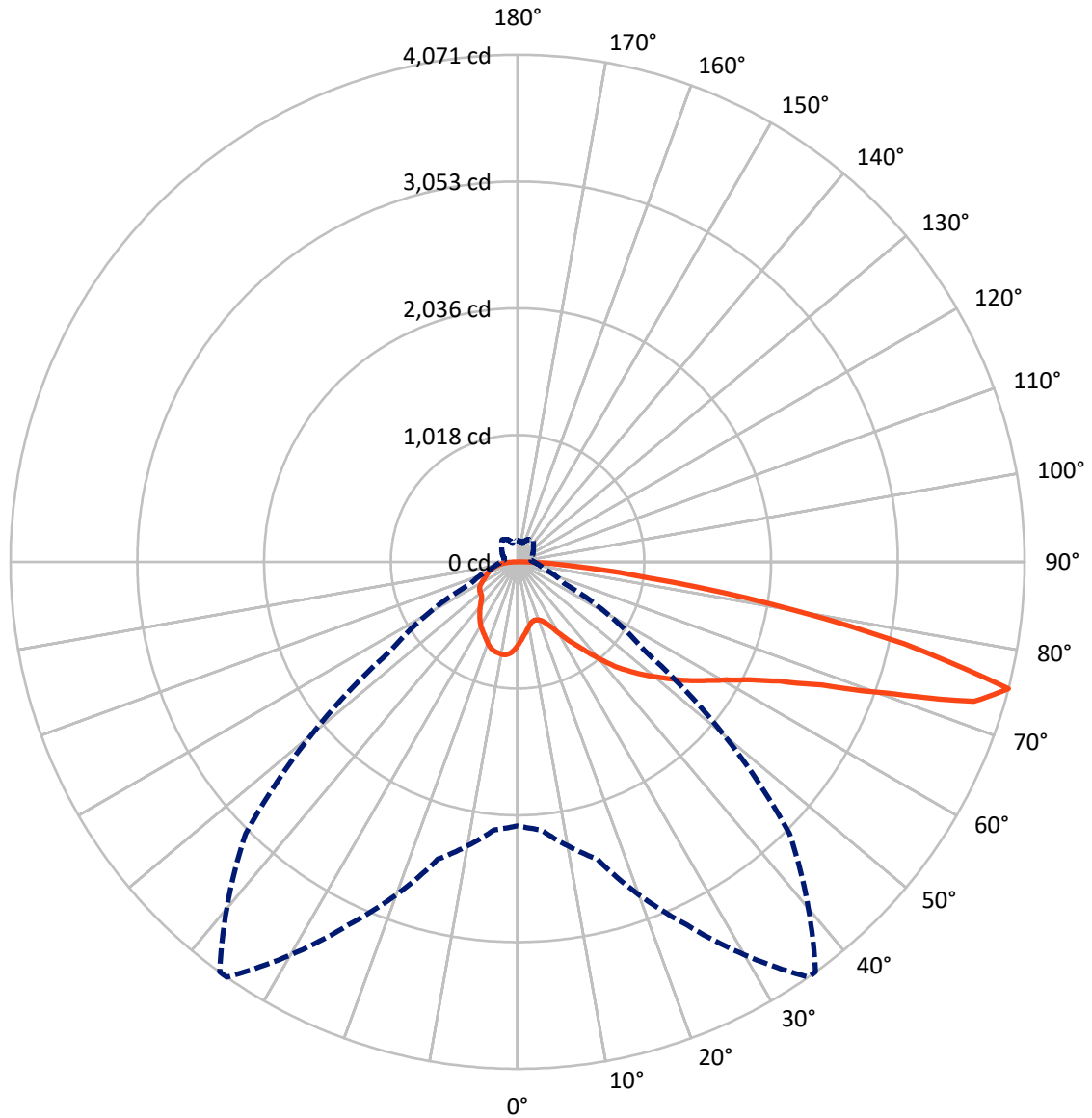
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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
House Side	Lumens	1188.7	0.0	1188.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	3806.3	0.0	3806.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	4995.0	0.0	4995.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	1.3
10°-20°	181.8	3.6
20°-30°	305.3	6.1
30°-40°	474.4	9.5
40°-50°	704.1	14.1
50°-60°	972.1	19.5
60°-70°	1179.4	23.6
70°-80°	974.7	19.5
80°-90°	140.2	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°	4995.0	100.0
0°-180°	4995.0	100.0

Coefficient of Utilization

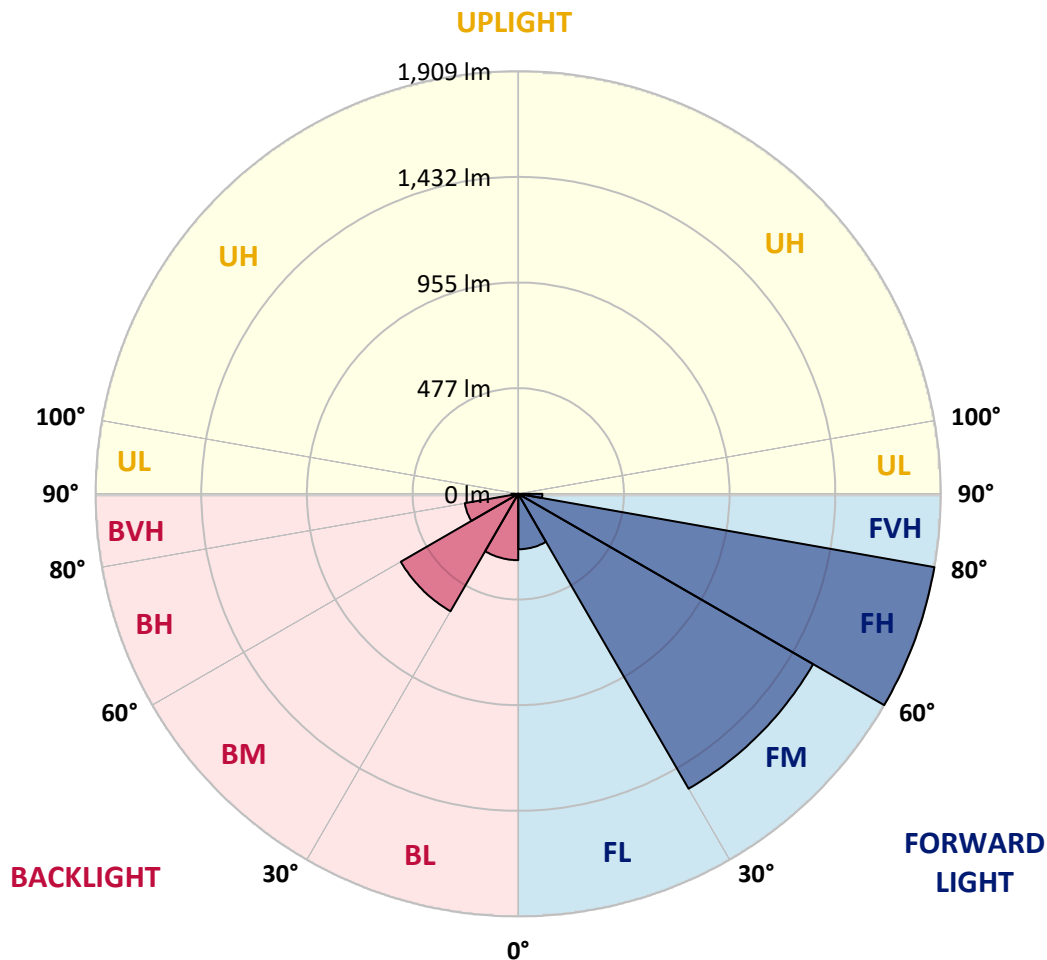


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	250.5	5.0			
FM (30°-60°)	1538.2	30.8			
FH (60°-80°)	1909.0	38.2			G2/5000
FVH (80°-90°)	108.6	2.2			G2/225
BL (0°-30°)	299.6	6.0	B1/500		
BM (30°-60°)	612.5	12.3	B1/1000		
BH (60°-80°)	245.1	4.9	B1/500		G1/500
BVH (80°-90°)	31.6	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°	665.6	665.6	665.6	665.6	665.6	665.6	665.6	665.6	665.6	665.6
2.5°	613.8	617.6	619.2	618.4	622.4	621.9	627.5	634.6	644.3	653.7
5°	566.5	570.6	574.1	577.3	585.1	587.6	596.5	610.0	627.8	645.9
7.5°	522.5	526.0	531.4	537.4	550.6	553.0	567.9	588.9	613.8	640.2
10°	486.6	490.1	495.8	502.5	519.0	522.0	540.9	568.9	601.4	634.8
12.5°	471.2	472.3	475.5	482.3	496.6	498.5	519.3	551.4	589.2	630.8
15°	470.4	472.5	472.8	476.3	488.2	489.0	508.2	540.1	581.6	630.0
17.5°	478.5	480.1	477.7	479.8	489.8	491.2	506.3	534.7	579.2	633.5
20°	500.1	501.4	494.2	491.2	498.5	499.6	514.4	538.2	581.6	640.8
22.5°	546.0	546.8	529.0	516.8	517.4	517.9	530.9	552.5	591.1	654.0
25°	617.6	617.0	588.7	565.2	551.7	548.7	557.3	575.7	607.0	671.6
27.5°	701.3	697.2	668.9	633.8	604.3	600.0	598.1	605.9	629.7	694.8
30°	795.8	792.0	761.5	715.6	674.8	667.8	650.0	645.9	663.5	726.4
32.5°	899.5	897.0	860.6	805.0	750.4	742.3	712.3	701.5	715.3	774.2
35°	986.4	984.2	954.0	896.8	830.1	820.1	789.6	777.4	784.4	835.5
37.5°	1065.0	1063.9	1038.0	992.9	924.0	911.9	877.6	873.5	872.2	916.2
40°	1137.9	1135.2	1108.2	1084.4	1033.4	1022.3	992.1	988.6	978.3	1015.6
42.5°	1218.6	1211.6	1172.5	1161.4	1147.6	1138.4	1120.3	1120.9	1098.2	1127.6
45°	1284.5	1280.5	1240.2	1233.8	1248.6	1244.8	1260.5	1264.5	1220.5	1245.1
47.5°	1355.3	1351.5	1317.5	1312.9	1353.1	1354.2	1409.5	1410.9	1339.9	1367.1
50°	1442.5	1437.1	1403.3	1409.0	1454.1	1458.1	1559.4	1550.2	1449.8	1491.1
52.5°	1500.0	1503.2	1496.0	1505.1	1566.7	1570.5	1706.8	1683.4	1558.6	1613.4
55°	1542.4	1548.9	1571.6	1592.6	1685.5	1689.3	1845.9	1810.0	1648.8	1726.8
57.5°	1596.9	1587.8	1630.2	1671.2	1798.4	1808.4	1981.2	1932.0	1728.7	1824.6
60°	1675.2	1668.8	1701.7	1762.5	1924.8	1940.7	2124.3	2041.9	1787.3	1902.1
62.5°	1834.0	1817.8	1823.0	1876.7	2084.1	2105.1	2285.8	2137.8	1816.5	1932.3
65°	2071.4	2043.6	2017.6	2054.9	2308.5	2329.3	2468.1	2213.1	1805.7	1873.7
67.5°	2370.3	2342.8	2310.9	2346.0	2639.0	2655.4	2693.0	2255.5	1720.6	1648.0
70°	2616.8	2606.6	2644.6	2789.1	3166.9	3167.4	2981.4	2220.4	1487.6	1168.4
72.5°	2584.2	2578.0	2778.6	3225.2	3832.2	3817.9	3254.4	1954.7	1002.1	527.1
75°	2120.0	2160.2	2471.0	3217.4	4071.2	4069.3	3087.2	1242.7	414.5	218.5
77.5°	1136.8	1200.5	1604.2	2375.4	3178.2	3226.0	2170.5	434.7	177.9	139.9
80°	370.7	426.4	639.4	1209.5	2065.2	2056.3	930.2	170.7	121.8	99.1
82.5°	157.4	163.9	285.7	571.1	1059.9	1043.4	296.2	98.0	85.6	67.8
85°	61.6	68.9	126.1	264.1	459.0	449.1	106.9	48.6	54.8	44.3
87.5°	20.3	24.6	45.1	90.5	142.8	137.7	26.2	16.7	23.8	20.3
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°
665.6	0°	665.6	665.6	665.6	665.6	665.6	665.6	665.6	665.6	665.6	665.6
667.5	2.5°	671.3	675.6	680.7	688.3	694.8	700.2	705.9	709.4	710.7	714.8
668.6	5°	676.1	685.6	698.3	710.7	722.9	730.2	736.6	739.9	742.8	745.0
671.6	7.5°	684.2	696.4	716.4	732.6	742.8	748.8	753.1	752.0	753.1	753.6
674.8	10°	691.3	708.3	732.0	747.4	755.3	755.5	754.5	750.7	748.8	749.1
679.7	12.5°	699.6	718.5	744.2	757.2	759.3	753.4	748.8	742.3	739.9	738.8
686.9	15°	711.0	732.6	757.4	762.3	756.9	749.3	741.5	731.0	725.6	721.2
699.4	17.5°	724.8	748.5	767.7	764.2	752.6	740.1	727.5	711.5	700.5	695.9
716.4	20°	743.9	765.3	775.5	760.1	742.6	723.7	702.1	682.6	672.4	667.8
738.0	22.5°	767.1	787.7	783.1	753.1	728.3	698.0	671.0	656.7	651.6	648.3
765.8	25°	795.0	812.5	788.5	742.8	704.8	664.0	643.2	638.6	636.2	633.8
799.8	27.5°	831.1	840.6	792.5	727.7	668.0	627.8	620.3	621.1	620.3	616.2
847.1	30°	878.9	877.0	796.3	703.2	625.9	595.1	595.7	599.2	599.7	597.0
913.0	32.5°	941.9	922.7	798.2	671.3	585.7	566.5	567.1	570.8	573.5	568.9
999.1	35°	1018.0	975.9	795.2	631.3	554.6	539.2	535.2	536.3	537.1	532.8
1103.6	37.5°	1106.8	1035.6	782.0	587.0	529.0	512.5	503.9	496.6	492.3	488.2
1221.9	40°	1204.3	1100.6	757.7	543.8	500.4	484.2	471.2	457.4	442.8	437.4
1347.2	42.5°	1306.4	1167.6	728.3	502.5	467.4	454.2	440.4	420.4	398.6	387.5
1477.3	45°	1412.2	1236.2	699.4	461.7	433.7	428.0	412.1	388.0	364.3	350.2
1607.7	47.5°	1515.9	1301.0	657.0	420.7	402.1	408.3	395.9	373.7	347.3	325.1
1737.1	50°	1615.0	1361.7	587.6	379.1	376.4	402.3	390.5	358.6	328.4	300.0
1864.0	52.5°	1713.3	1410.9	498.7	341.3	362.6	400.7	383.4	348.3	311.3	281.6
1983.4	55°	1796.8	1436.3	413.1	308.9	342.7	386.9	375.1	336.2	287.3	255.7
2065.2	57.5°	1844.3	1415.8	341.9	277.0	315.1	364.3	360.8	310.3	258.7	234.4
2081.1	60°	1823.8	1332.6	283.5	249.2	288.9	339.7	335.9	284.6	236.8	213.9
1995.8	62.5°	1710.6	1174.1	237.4	224.9	265.2	314.6	311.1	264.9	220.1	197.9
1769.2	65°	1482.7	955.1	201.4	204.7	241.1	284.3	289.5	248.4	206.8	185.2
1368.8	67.5°	1130.9	691.8	173.4	187.1	217.6	254.6	269.5	236.5	195.8	175.2
792.0	70°	644.6	392.9	149.6	170.1	196.8	227.1	254.1	227.1	183.9	166.9
296.8	72.5°	244.4	180.4	129.3	153.1	176.9	203.9	237.1	212.2	170.1	157.4
153.4	75°	130.4	109.9	108.8	133.1	153.9	181.2	215.8	197.7	159.9	166.3
106.1	77.5°	88.8	77.8	91.0	114.0	128.8	156.1	193.1	175.5	138.5	138.0
73.4	80°	61.6	55.1	74.0	91.8	99.6	131.2	168.5	150.7	112.9	105.3
45.4	82.5°	37.0	35.9	55.4	68.6	70.5	101.3	139.6	126.4	92.3	80.5
27.0	85°	20.3	21.3	35.4	40.2	41.0	70.7	109.4	97.7	71.0	59.7
9.7	87.5°	5.7	7.3	13.0	15.9	19.7	36.7	65.1	58.1	35.6	24.8
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°
665.6
714.5
745.5
754.5
749.6
738.3
722.6
696.1
667.2
648.9
633.8
617.0
598.4
571.1
535.7
490.9
439.9
388.8
349.1
322.7
297.6
278.4
253.0
231.1
210.6
194.4
181.7
172.0
164.7
155.3
171.7
127.2
100.7
81.0
60.2
24.8
0.0

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