

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: P939179

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939179
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
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: 4507 lumens
Efficiency: N/A
Efficacy: 82.8 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): 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

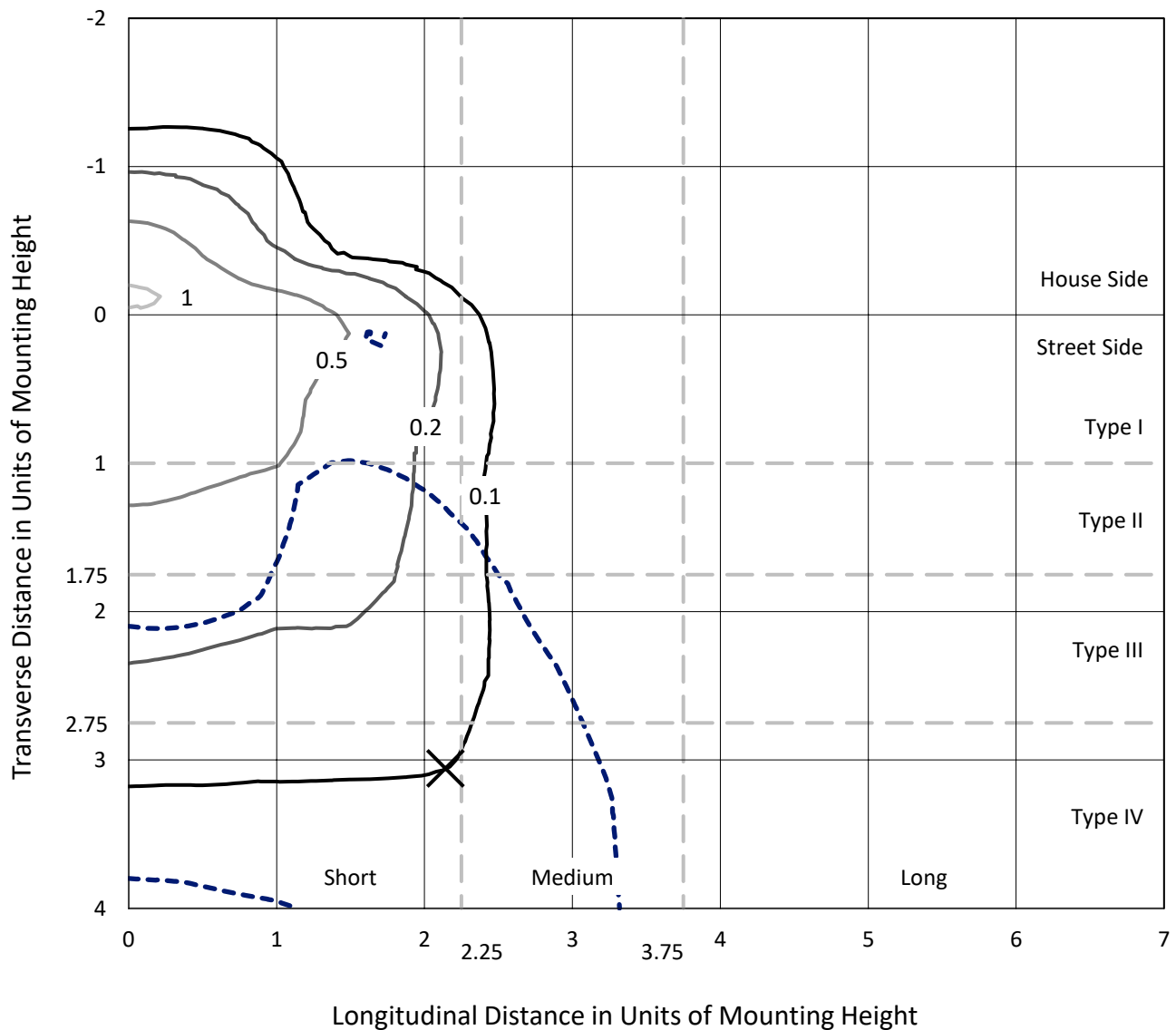


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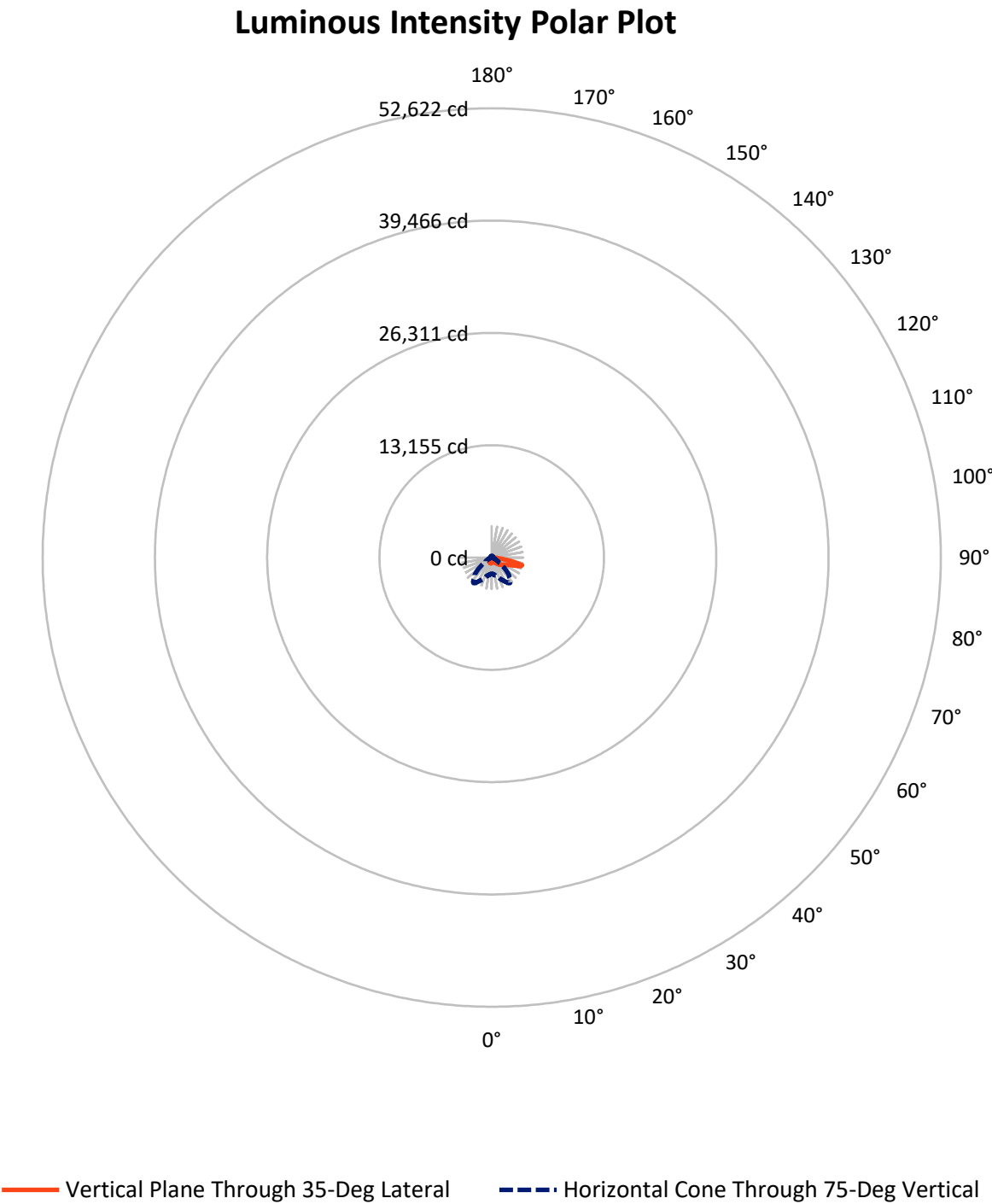
Iso-Footcandle Lines of Horizontal Illumination

× 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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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1072.6	0.0	1072.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	3434.5	0.0	3434.5
	% Fixture	76.2	0.0	76.2
Total	Lumens	4507.0	0.0	4507.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.9	1.3
10°-20°	164.0	3.6
20°-30°	275.4	6.1
30°-40°	428.1	9.5
40°-50°	635.4	14.1
50°-60°	877.1	19.5
60°-70°	1064.2	23.6
70°-80°	879.5	19.5
80°-90°	126.5	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°	4507.0	100.0
0°-180°	4507.0	100.0

Coefficient of Utilization



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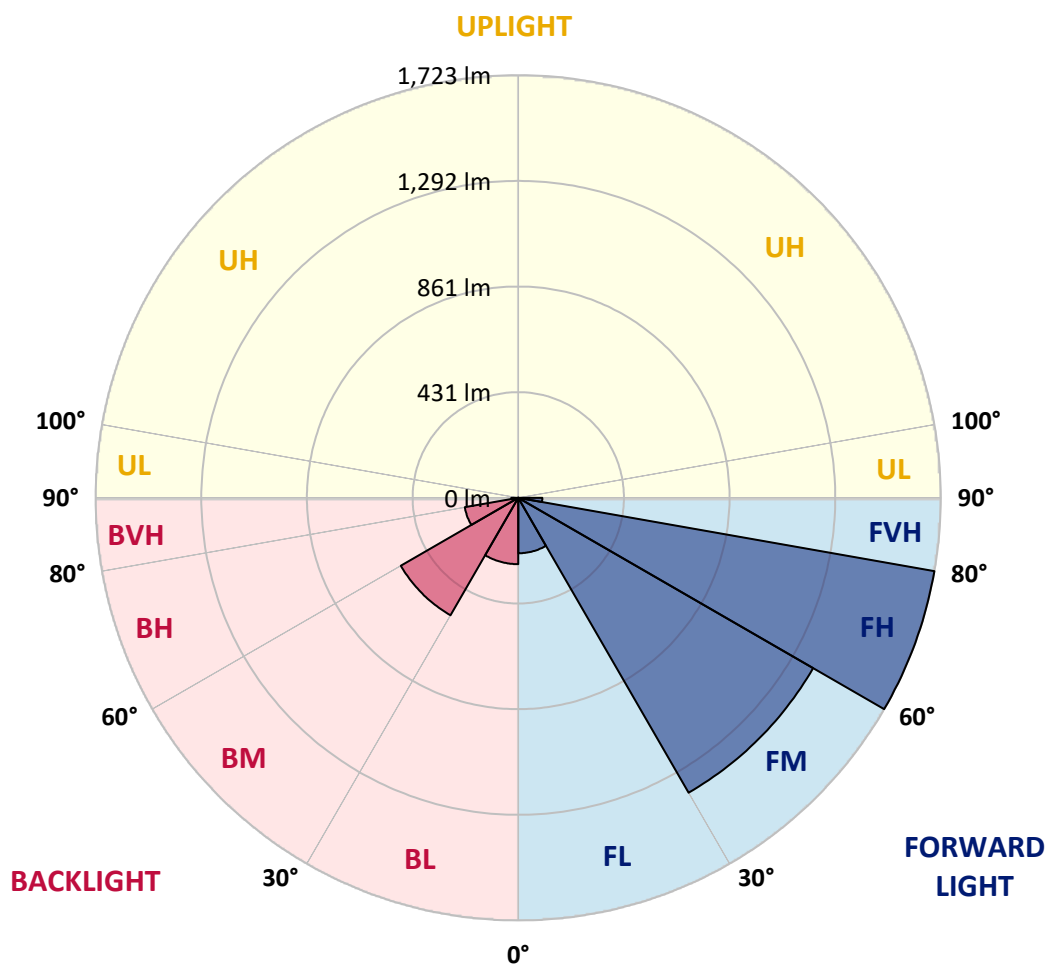
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	226.0	5.0			
FM	(30°-60°)	1387.9	30.8			
FH	(60°-80°)	1722.5	38.2			G1/1800
FVH	(80°-90°)	98.0	2.2			G1/100
BL	(0°-30°)	270.3	6.0	B1/500		
BM	(30°-60°)	552.6	12.3	B1/1000		
BH	(60°-80°)	221.1	4.9	B1/500		G1/500
BVH	(80°-90°)	28.5	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°	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6
2.5°	553.8	557.2	558.7	558.0	561.6	561.1	566.2	572.6	581.3	589.9
5°	511.2	514.8	518.0	520.9	528.0	530.2	538.2	550.4	566.5	582.8
7.5°	471.5	474.6	479.5	484.9	496.8	499.0	512.4	531.4	553.8	577.7
10°	439.1	442.2	447.3	453.4	468.3	471.0	488.0	513.4	542.6	572.8
12.5°	425.2	426.1	429.1	435.2	448.1	449.8	468.5	497.5	531.6	569.2
15°	424.4	426.4	426.6	429.8	440.5	441.2	458.5	487.3	524.8	568.4
17.5°	431.7	433.2	431.0	433.0	442.0	443.2	456.8	482.4	522.6	571.6
20°	451.2	452.5	445.9	443.2	449.8	450.7	464.1	485.6	524.8	578.2
22.5°	492.7	493.4	477.3	466.3	466.8	467.3	479.0	498.5	533.3	590.1
25°	557.2	556.7	531.1	510.0	497.8	495.1	502.9	519.5	547.7	605.9
27.5°	632.7	629.1	603.5	571.8	545.3	541.4	539.7	546.7	568.2	626.9
30°	718.0	714.6	687.1	645.7	608.9	602.5	586.5	582.8	598.6	655.4
32.5°	811.6	809.4	776.5	726.3	677.1	669.8	642.7	633.0	645.4	698.5
35°	890.0	888.1	860.8	809.1	749.0	740.0	712.4	701.5	707.8	753.8
37.5°	960.9	960.0	936.6	895.9	833.8	822.8	791.9	788.2	787.0	826.7
40°	1026.7	1024.3	999.9	978.5	932.4	922.4	895.2	892.0	882.7	916.4
42.5°	1099.6	1093.2	1057.9	1047.9	1035.5	1027.2	1010.9	1011.4	990.9	1017.5
45°	1159.0	1155.4	1119.1	1113.2	1126.6	1123.2	1137.3	1141.0	1101.3	1123.5
47.5°	1222.9	1219.4	1188.8	1184.6	1220.9	1221.9	1271.8	1273.1	1209.0	1233.6
50°	1301.6	1296.7	1266.2	1271.3	1312.0	1315.7	1407.1	1398.8	1308.1	1345.4
52.5°	1353.5	1356.4	1349.8	1358.1	1413.6	1417.0	1540.1	1518.9	1406.3	1455.8
55°	1391.7	1397.6	1418.0	1437.0	1520.8	1524.3	1665.6	1633.2	1487.7	1558.1
57.5°	1440.9	1432.6	1470.9	1507.9	1622.7	1631.7	1787.6	1743.3	1559.8	1646.3
60°	1511.6	1505.7	1535.5	1590.3	1736.7	1751.1	1916.8	1842.5	1612.7	1716.2
62.5°	1654.8	1640.2	1644.9	1693.3	1880.5	1899.5	2062.5	1928.9	1639.0	1743.5
65°	1869.0	1843.9	1820.5	1854.1	2082.9	2101.7	2226.9	1996.9	1629.3	1690.7
67.5°	2138.7	2113.9	2085.1	2116.8	2381.2	2396.0	2429.9	2035.2	1552.5	1487.0
70°	2361.2	2351.9	2386.3	2516.6	2857.5	2858.0	2690.1	2003.5	1342.2	1054.3
72.5°	2331.7	2326.1	2507.1	2910.1	3457.8	3444.9	2936.4	1763.8	904.2	475.6
75°	1912.9	1949.2	2229.6	2903.0	3673.5	3671.8	2785.6	1121.3	374.0	197.1
77.5°	1025.8	1083.3	1447.5	2143.4	2867.7	2910.8	1958.4	392.3	160.6	126.2
80°	334.5	384.7	577.0	1091.3	1863.4	1855.4	839.4	154.0	109.9	89.4
82.5°	142.0	147.9	257.8	515.3	956.3	941.4	267.3	88.4	77.2	61.2
85°	55.6	62.1	113.8	238.3	414.2	405.2	96.5	43.9	49.5	40.0
87.5°	18.3	22.2	40.7	81.6	128.9	124.3	23.6	15.1	21.4	18.3
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°
600.6	0°	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6
602.3	2.5°	605.7	609.6	614.2	621.1	626.9	631.8	636.9	640.1	641.3	644.9
603.3	5°	610.1	618.6	630.1	641.3	652.2	658.8	664.7	667.6	670.3	672.2
605.9	7.5°	617.4	628.4	646.4	661.0	670.3	675.6	679.5	678.6	679.5	680.0
608.9	10°	623.7	639.1	660.5	674.4	681.5	681.7	680.7	677.3	675.6	675.9
613.3	12.5°	631.3	648.3	671.5	683.2	685.1	679.8	675.6	669.8	667.6	666.6
619.8	15°	641.5	661.0	683.4	687.8	682.9	676.1	669.1	659.6	654.7	650.8
631.0	17.5°	653.9	675.4	692.7	689.5	679.0	667.8	656.4	642.0	632.0	627.9
646.4	20°	671.2	690.5	699.8	685.9	670.0	653.0	633.5	615.9	606.7	602.5
665.9	22.5°	692.2	710.7	706.6	679.5	657.1	629.8	605.5	592.5	587.9	585.0
691.0	25°	717.3	733.1	711.4	670.3	635.9	599.1	580.4	576.2	574.0	571.8
721.7	27.5°	749.9	758.5	715.1	656.6	602.8	566.5	559.7	560.4	559.7	556.0
764.3	30°	793.1	791.4	718.5	634.5	564.8	537.0	537.5	540.7	541.1	538.7
823.8	32.5°	849.8	832.5	720.2	605.7	528.5	511.2	511.7	515.1	517.5	513.4
901.5	35°	918.5	880.5	717.5	569.6	500.4	486.6	482.9	483.9	484.6	480.7
995.8	37.5°	998.7	934.4	705.6	529.7	477.3	462.4	454.6	448.1	444.2	440.5
1102.5	40°	1086.7	993.1	683.7	490.7	451.5	436.9	425.2	412.7	399.6	394.7
1215.6	42.5°	1178.8	1053.5	657.1	453.4	421.8	409.8	397.4	379.4	359.6	349.6
1333.0	45°	1274.3	1115.4	631.0	416.6	391.3	386.2	371.8	350.1	328.7	316.0
1450.7	47.5°	1367.8	1173.9	592.8	379.6	362.8	368.4	357.2	337.2	313.3	293.4
1567.4	50°	1457.2	1228.7	530.2	342.1	339.6	363.0	352.3	323.6	296.3	270.7
1681.9	52.5°	1545.9	1273.1	450.0	308.0	327.2	361.6	346.0	314.3	280.9	254.1
1789.6	55°	1621.2	1296.0	372.8	278.7	309.2	349.1	338.4	303.3	259.2	230.7
1863.4	57.5°	1664.1	1277.4	308.5	250.0	284.3	328.7	325.5	279.9	233.4	211.5
1877.8	60°	1645.6	1202.4	255.8	224.9	260.7	306.5	303.1	256.8	213.7	193.0
1800.8	62.5°	1543.5	1059.4	214.2	203.0	239.3	283.8	280.7	239.0	198.6	178.6
1596.4	65°	1337.9	861.8	181.8	184.7	217.6	256.6	261.2	224.2	186.6	167.1
1235.0	67.5°	1020.4	624.2	156.4	168.8	196.4	229.8	243.2	213.4	176.6	158.1
714.6	70°	581.6	354.5	135.0	153.5	177.6	204.9	229.3	204.9	165.9	150.6
267.8	72.5°	220.5	162.8	116.7	138.1	159.6	184.0	213.9	191.5	153.5	142.0
138.4	75°	117.7	99.2	98.2	120.1	138.9	163.5	194.7	178.3	144.2	150.1
95.8	77.5°	80.2	70.2	82.1	102.8	116.2	140.8	174.2	158.4	125.0	124.5
66.3	80°	55.6	49.7	66.8	82.8	89.9	118.4	152.0	136.0	101.8	95.0
40.9	82.5°	33.4	32.4	49.9	61.9	63.6	91.4	126.0	114.0	83.3	72.6
24.4	85°	18.3	19.2	31.9	36.3	37.0	63.8	98.7	88.2	64.1	53.8
8.8	87.5°	5.1	6.6	11.7	14.4	17.8	33.1	58.7	52.4	32.2	22.4
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°
600.6
644.7
672.7
680.7
676.4
666.1
652.0
628.1
602.1
585.5
571.8
556.7
539.9
515.3
483.4
442.9
396.9
350.9
315.0
291.2
268.5
251.2
228.3
208.6
190.0
175.4
164.0
155.2
148.6
140.1
155.0
114.8
90.9
73.1
54.3
22.4
0.0