

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: P846615

Luminaire Tested: **GLAN-SB2B-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846615
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2B-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6556 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

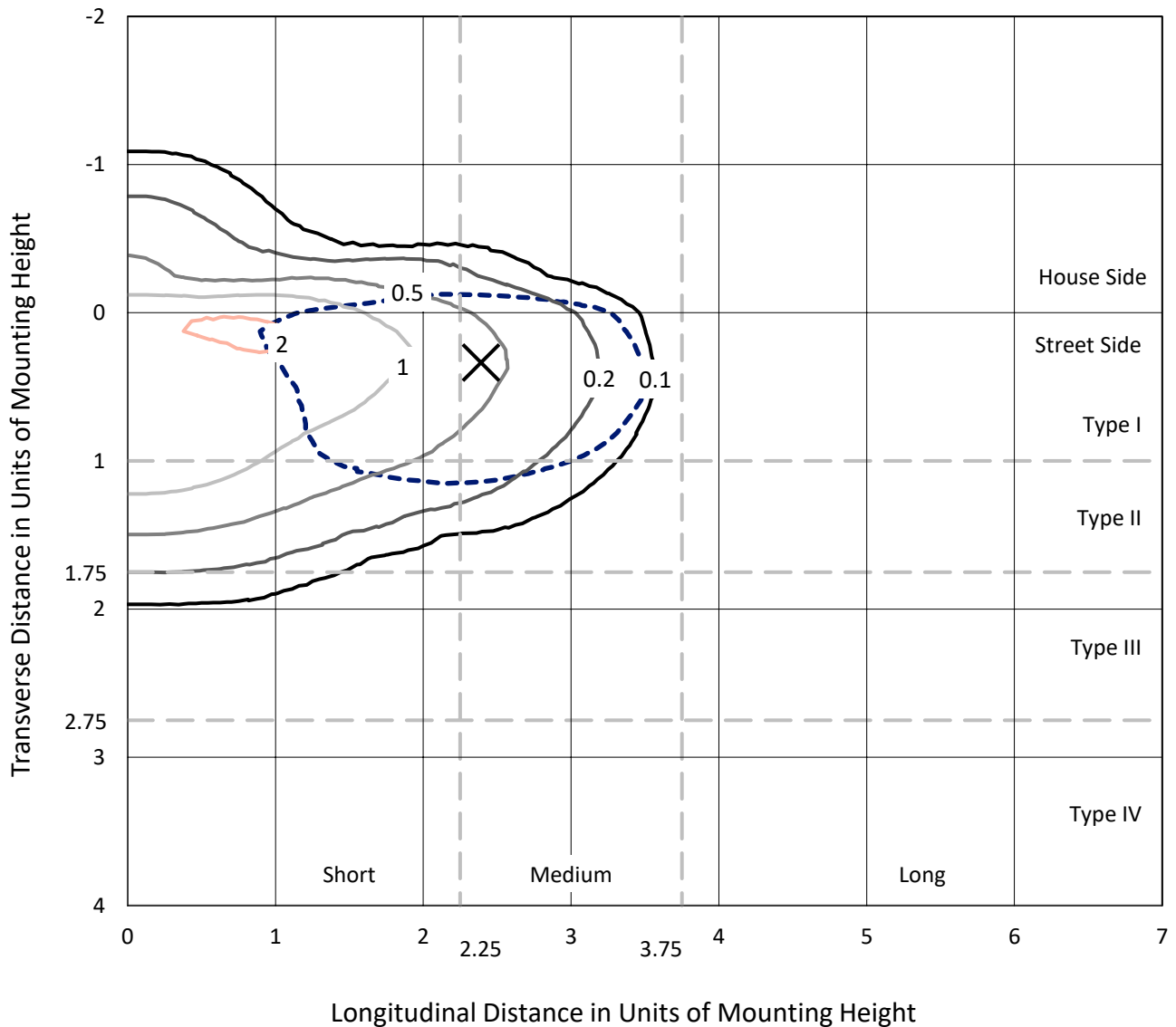
Input Watts (W): 73.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

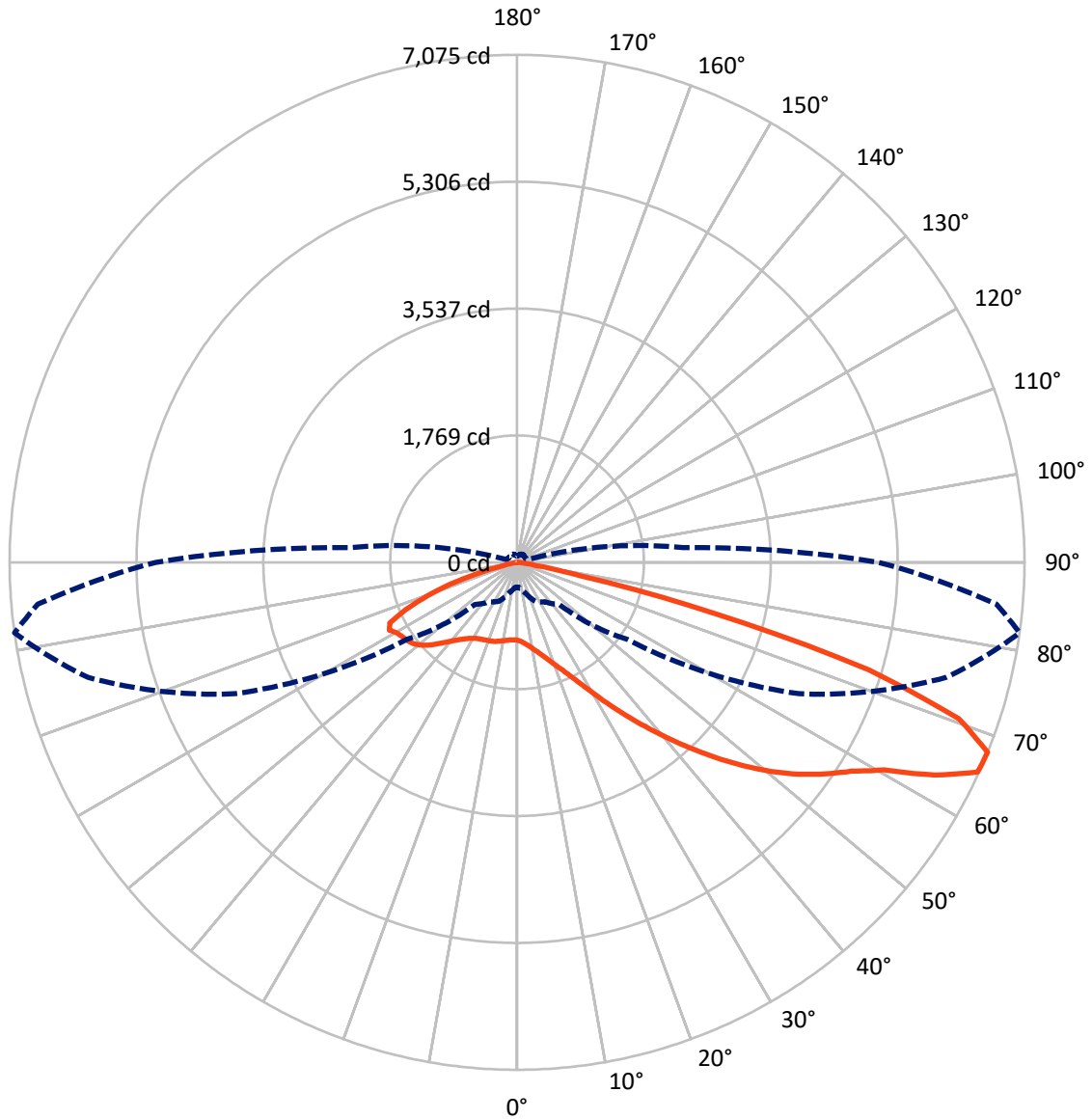
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1187.6	0.0	1187.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5368.4	0.0	5368.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	6556.0	0.0	6556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.8	1.5
10°-20°	251.5	3.8
20°-30°	402.7	6.1
30°-40°	712.2	10.9
40°-50°	1247.8	19.0
50°-60°	1664.2	25.4
60°-70°	1549.3	23.6
70°-80°	594.6	9.1
80°-90°	36.9	0.6
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°	6556.0	100.0
0°-180°	6556.0	100.0

Coefficient of Utilization

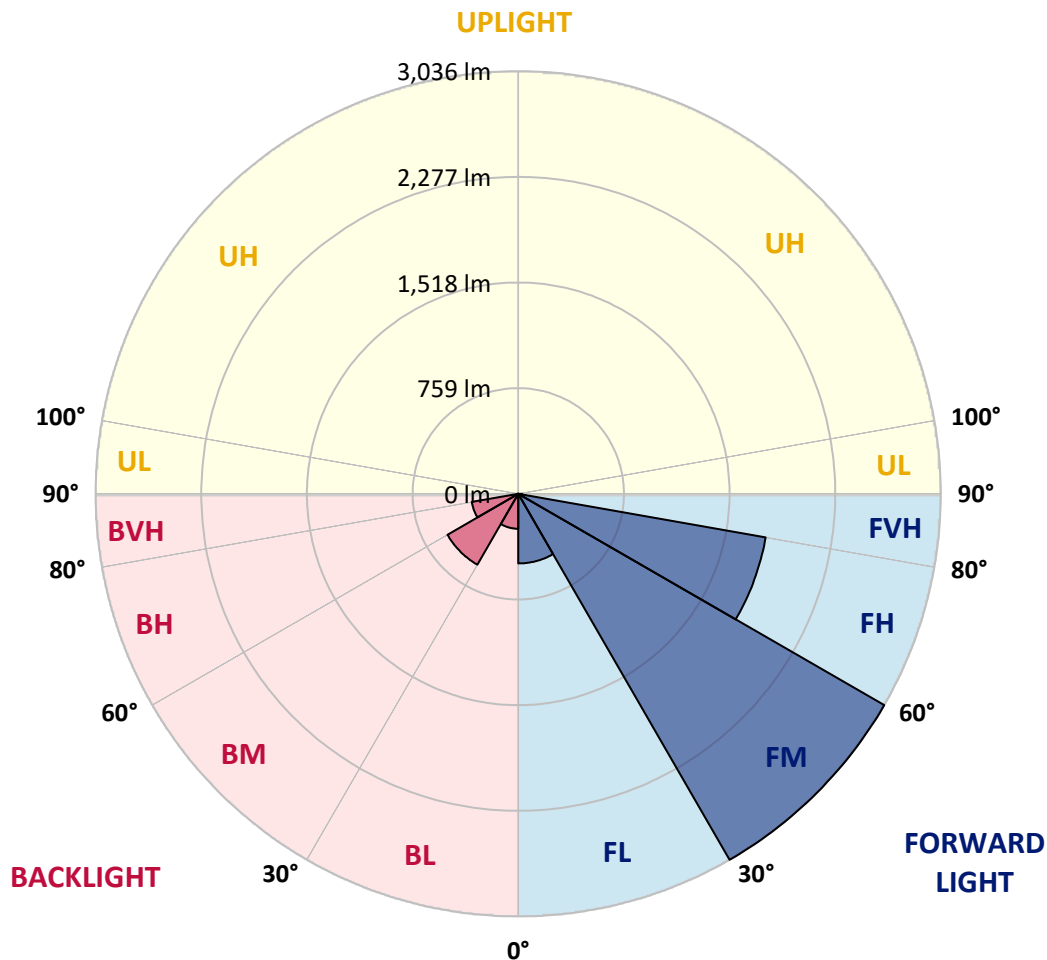


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	500.2	7.6			
FM (30°-60°)	3036.5	46.3			
FH (60°-80°)	1805.0	27.5			G2/5000
FVH (80°-90°)	26.8	0.4			G1/100
BL (0°-30°)	250.8	3.8	B1/500		
BM (30°-60°)	587.7	9.0	B1/1000		
BH (60°-80°)	339.0	5.2	B1/500		G1/500
BVH (80°-90°)	10.1	0.2			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
2.5°	1147.9	1154.5	1150.8	1148.9	1145.6	1140.9	1137.1	1125.3	1113.0	1105.0
5°	1171.1	1177.7	1177.2	1179.1	1181.5	1182.9	1181.9	1168.7	1151.2	1137.6
7.5°	1151.2	1158.8	1164.9	1174.4	1190.9	1208.4	1216.9	1214.0	1196.1	1177.2
10°	1095.1	1103.1	1117.7	1139.9	1174.8	1212.6	1244.2	1258.9	1247.5	1226.8
12.5°	992.2	1000.2	1029.0	1077.1	1135.7	1201.3	1261.7	1300.9	1303.7	1282.9
15°	876.5	884.6	915.2	975.7	1064.9	1170.1	1271.1	1345.2	1370.3	1352.3
17.5°	804.8	811.9	835.0	883.6	976.6	1107.8	1267.8	1392.4	1449.6	1435.4
20°	783.1	789.2	800.1	834.1	911.5	1043.2	1246.1	1436.8	1535.0	1527.0
22.5°	806.2	811.9	815.2	830.3	878.9	1000.7	1218.7	1482.1	1634.1	1635.1
25°	859.5	865.2	861.4	870.9	892.1	987.5	1208.4	1535.5	1758.7	1769.1
27.5°	947.3	947.8	938.8	938.4	941.7	1007.3	1219.2	1592.6	1915.9	1935.3
30°	1123.4	1116.3	1081.9	1044.6	1027.6	1066.8	1249.4	1660.1	2101.4	2135.9
32.5°	1394.8	1384.4	1321.2	1232.0	1142.3	1162.6	1303.7	1737.0	2303.4	2365.7
35°	1689.3	1686.5	1620.4	1487.8	1331.1	1299.0	1392.0	1838.0	2523.9	2623.0
37.5°	1963.1	1961.7	1923.9	1767.7	1577.0	1489.2	1533.6	1970.2	2759.9	2903.4
40°	2213.3	2217.5	2179.8	2040.1	1847.9	1733.2	1726.2	2133.5	3022.3	3208.8
42.5°	2429.5	2434.2	2395.9	2292.6	2115.6	2003.2	1962.6	2333.6	3278.6	3536.8
45°	2576.3	2605.5	2599.9	2517.3	2390.3	2273.7	2246.8	2584.8	3570.8	3884.7
47.5°	2617.8	2644.7	2687.2	2698.5	2621.1	2506.4	2538.5	2887.3	3866.3	4233.0
50°	2515.4	2540.4	2628.7	2746.2	2800.0	2764.6	2822.2	3211.6	4168.8	4580.4
52.5°	2313.3	2338.8	2450.2	2636.2	2855.7	2967.1	3106.8	3531.1	4462.0	4909.4
55°	2021.2	2048.1	2191.1	2401.6	2749.5	3050.6	3344.2	3850.2	4730.5	5205.4
57.5°	1623.7	1643.6	1792.2	2086.8	2482.3	2967.6	3519.3	4198.6	4983.5	5496.1
60°	1058.3	1075.7	1248.5	1577.0	2039.6	2690.0	3554.3	4587.0	5319.6	5874.2
62.5°	703.8	715.6	818.0	1059.2	1436.3	2157.1	3349.9	4897.2	5812.4	6532.2
65°	482.9	494.7	597.1	765.1	928.0	1426.9	2762.2	4856.1	6258.9	7054.7
67.5°	344.6	354.5	441.3	599.9	671.7	828.9	1872.5	4331.2	6194.7	7074.6
70°	246.9	252.5	324.3	467.3	533.8	498.0	1041.3	3312.6	5423.9	6532.7
72.5°	172.8	174.6	225.2	355.9	430.0	363.5	495.6	2208.6	4102.3	5127.5
75°	117.1	119.4	151.5	261.0	345.0	277.5	262.4	1184.3	2408.2	2838.2
77.5°	71.7	72.7	97.7	178.4	258.2	211.5	169.0	501.8	931.8	914.8
80°	40.6	40.6	62.3	110.9	176.1	136.4	118.5	213.4	295.0	259.1
82.5°	22.7	23.1	45.3	68.9	116.6	80.7	65.1	98.7	127.4	112.8
85°	9.4	10.4	27.8	32.6	55.7	40.1	26.4	41.5	47.2	42.0
87.5°	0.9	1.4	8.5	6.1	6.6	8.0	3.8	8.0	6.6	6.6
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°
1086.1	0°	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1	1086.1
1102.2	2.5°	1093.2	1086.1	1068.2	1047.4	1020.0	1006.8	988.9	976.6	966.2	967.2
1129.5	5°	1114.4	1096.5	1056.4	1006.3	944.0	899.7	852.5	819.9	793.5	787.8
1167.3	7.5°	1143.7	1115.4	1045.0	954.9	849.6	769.9	698.6	652.8	620.2	609.8
1213.1	10°	1181.5	1140.4	1030.4	890.2	738.7	637.2	560.8	524.9	502.7	495.1
1266.9	12.5°	1225.4	1169.2	1011.1	811.4	624.5	526.8	478.2	460.2	453.1	450.8
1333.0	15°	1280.6	1205.1	981.8	717.9	527.7	459.3	438.5	436.1	437.1	436.1
1412.3	17.5°	1346.2	1244.2	934.1	621.6	462.6	424.8	417.3	419.1	421.5	421.0
1501.0	20°	1417.9	1282.9	873.2	536.2	418.2	400.3	396.0	397.9	399.8	398.9
1603.4	22.5°	1499.6	1324.5	805.7	469.7	388.5	377.6	372.9	373.4	373.4	371.5
1733.2	25°	1597.3	1370.3	734.9	422.5	365.8	357.3	351.7	349.8	346.9	341.3
1890.9	27.5°	1713.9	1418.9	667.0	389.4	347.9	339.9	333.2	328.5	321.4	312.0
2080.2	30°	1845.1	1477.9	609.4	368.6	333.7	325.7	318.1	311.1	300.7	288.9
2297.8	32.5°	1999.5	1541.1	567.4	355.0	321.0	312.5	303.5	295.0	283.7	271.9
2542.3	35°	2183.5	1617.6	542.8	345.5	311.1	299.7	289.8	280.4	271.9	261.5
2808.0	37.5°	2383.2	1698.8	535.3	340.8	304.4	287.0	275.7	269.0	268.1	262.0
3095.5	40°	2601.7	1795.1	540.9	338.0	297.4	274.7	262.4	261.0	263.4	252.5
3402.8	42.5°	2833.0	1909.3	550.4	334.7	287.5	262.4	250.6	250.6	248.8	233.6
3727.5	45°	3083.2	2041.0	559.8	326.6	275.7	250.2	241.2	237.9	229.9	215.2
4054.1	47.5°	3335.3	2175.0	566.9	312.0	261.5	239.8	231.8	224.2	212.4	199.2
4374.6	50°	3574.6	2295.4	559.3	290.3	245.4	229.9	221.4	211.0	198.2	189.3
4678.1	52.5°	3788.4	2399.7	527.2	264.8	228.5	219.5	211.9	201.1	190.7	181.3
4951.9	55°	3974.4	2484.2	470.6	240.7	213.4	210.5	203.0	189.3	175.1	167.1
5223.3	57.5°	4152.8	2548.4	399.8	220.9	199.7	200.6	189.3	177.0	163.8	155.3
5589.1	60°	4390.2	2634.3	328.1	202.5	185.0	187.9	175.6	166.6	150.1	139.2
6216.4	62.5°	4769.7	2767.9	260.6	179.8	168.0	169.0	163.8	152.9	133.1	120.4
6681.4	65°	5070.9	2718.8	205.3	155.3	148.7	150.1	150.1	138.3	117.1	102.4
6706.4	67.5°	5036.9	2328.0	163.8	131.2	130.3	131.2	134.5	124.6	103.8	92.0
6195.7	70°	4639.9	1851.7	131.2	109.0	113.3	110.9	120.4	113.8	93.5	81.7
4803.2	72.5°	3786.0	1333.9	100.1	90.2	86.9	90.6	108.6	102.4	77.9	64.7
2544.2	75°	2212.3	711.8	74.6	71.3	62.8	75.5	96.3	87.3	59.5	47.7
779.8	77.5°	720.3	248.3	54.8	52.4	46.7	60.9	82.1	73.6	48.6	37.8
228.5	80°	193.1	75.1	37.3	34.5	30.2	45.3	65.1	58.5	34.9	24.5
98.2	82.5°	77.4	31.6	21.7	19.4	16.5	31.2	51.4	47.2	26.0	15.6
30.7	85°	25.0	10.4	8.0	6.1	7.6	19.4	30.7	32.1	18.4	8.0
4.7	87.5°	3.3	1.4	1.4	1.9	1.4	3.3	9.4	9.0	5.2	0.9
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

180°
<hr/> 1086.1
957.7
775.0
599.5
489.5
449.4
435.7
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370.5
340.3
311.1
287.9
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260.6
261.5
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233.6
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