

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: P846498

Luminaire Tested: **GLAN-SB2A-927-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-927-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5781 lumens
Efficiency: N/A
Efficacy: 100.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

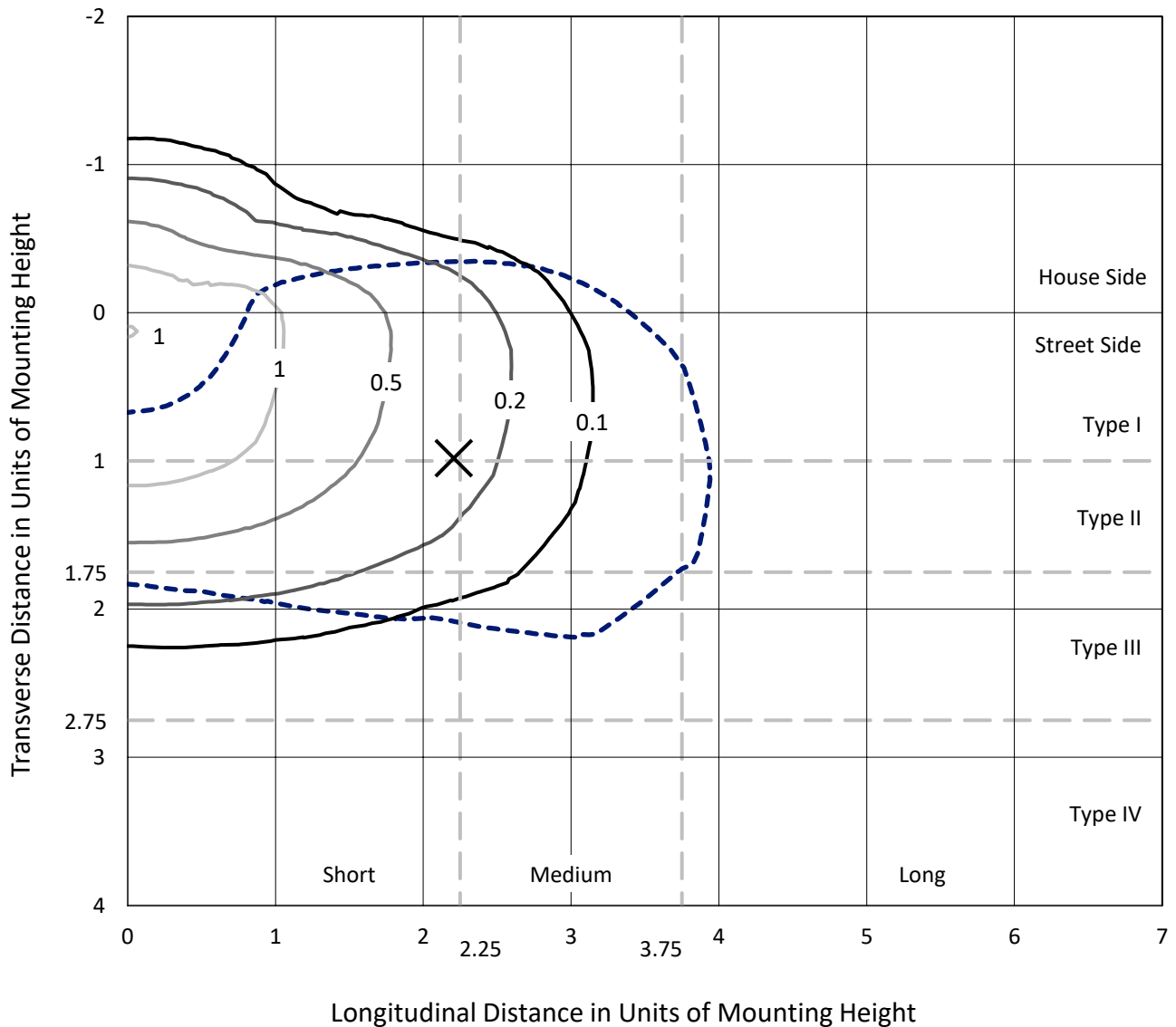
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

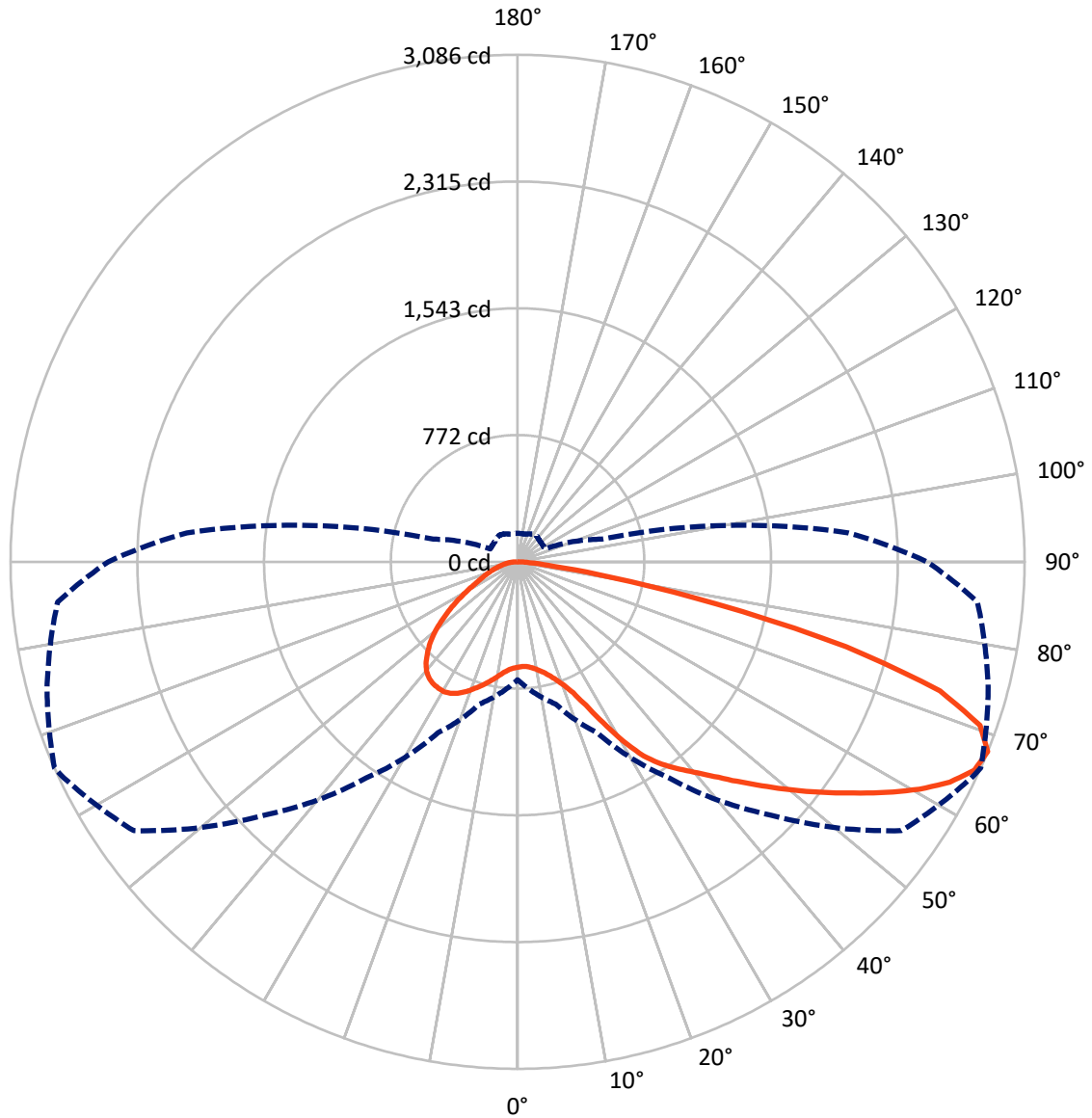
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1437.4	0.0	1437.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	4343.6	0.0	4343.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	5781.0	0.0	5781.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.6	1.1
10°-20°	210.0	3.6
20°-30°	404.8	7.0
30°-40°	709.8	12.3
40°-50°	1055.2	18.3
50°-60°	1337.6	23.1
60°-70°	1308.8	22.6
70°-80°	624.3	10.8
80°-90°	66.7	1.2
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°	5781.0	100.0
0°-180°	5781.0	100.0

Coefficient of Utilization



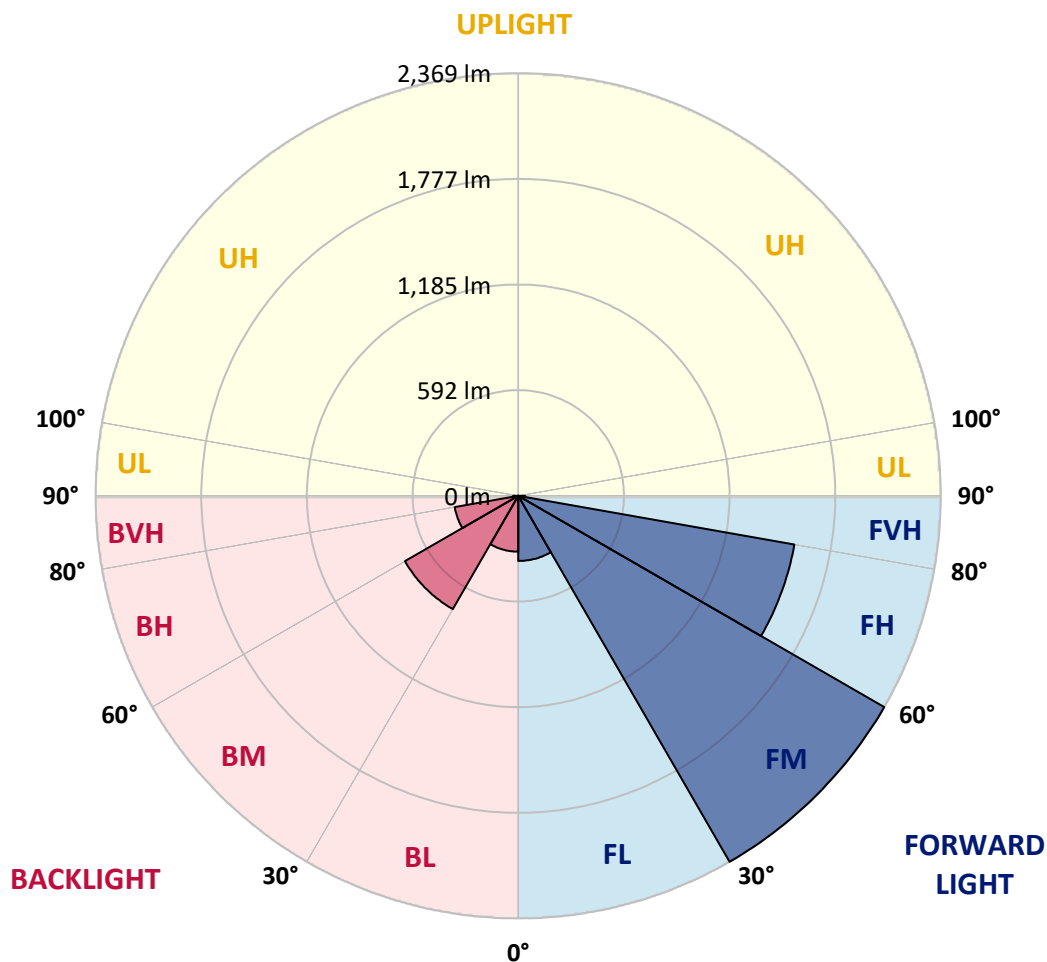
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.3	6.3			
FM (30°-60°)	2369.0	41.0			
FH (60°-80°)	1571.4	27.2			G1/1800
FVH (80°-90°)	37.8	0.7			G1/100
BL (0°-30°)	313.1	5.4	B1/500		
BM (30°-60°)	733.7	12.7	B1/1000		
BH (60°-80°)	361.7	6.3	B1/500		G1/500
BVH (80°-90°)	28.9	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2
2.5°	634.5	638.2	637.2	635.7	635.4	636.0	636.9	637.8	637.5	639.1
5°	632.7	636.3	636.0	636.0	637.2	639.7	641.2	642.7	641.2	643.0
7.5°	633.9	636.6	637.8	639.1	642.1	646.7	650.3	653.6	651.8	653.9
10°	649.4	651.5	652.7	652.7	654.9	660.0	663.7	669.7	668.2	671.6
12.5°	677.6	679.8	679.8	678.5	680.1	683.4	684.6	691.3	688.6	694.0
15°	712.3	716.5	713.2	711.0	711.7	715.0	714.7	719.9	717.1	721.7
17.5°	750.5	756.0	750.5	750.2	749.0	752.7	753.0	757.5	752.7	756.0
20°	795.8	803.4	798.8	800.3	797.6	799.1	800.7	807.3	799.7	802.2
22.5°	859.6	868.7	863.8	869.6	867.8	866.6	866.3	878.1	866.3	867.2
25°	952.5	963.5	954.9	962.8	962.8	966.8	971.4	986.5	966.8	961.0
27.5°	1089.8	1100.7	1084.0	1088.9	1087.4	1097.1	1092.2	1129.9	1108.6	1099.2
30°	1255.0	1274.5	1242.9	1241.7	1240.2	1255.6	1262.6	1287.5	1266.0	1256.6
32.5°	1433.6	1454.0	1416.3	1405.4	1399.6	1409.0	1403.3	1423.3	1408.4	1393.9
35°	1622.6	1642.6	1606.8	1585.5	1562.4	1542.7	1522.0	1527.2	1513.2	1491.0
37.5°	1801.2	1837.9	1799.9	1777.2	1734.6	1696.1	1638.4	1614.4	1601.3	1581.0
40°	1983.1	2004.1	1975.2	1955.8	1909.6	1849.2	1756.8	1706.1	1688.5	1668.7
42.5°	2117.0	2137.1	2121.6	2108.2	2072.1	2001.9	1882.6	1819.1	1793.6	1771.4
45°	2223.4	2238.2	2228.5	2233.4	2217.9	2149.9	2012.9	1940.3	1913.8	1886.8
47.5°	2266.2	2282.0	2297.5	2326.3	2352.7	2302.6	2152.9	2071.5	2043.5	2015.9
50°	2261.3	2277.4	2322.4	2383.7	2465.7	2449.0	2300.5	2211.2	2185.4	2153.8
52.5°	2222.4	2240.7	2298.4	2400.4	2531.0	2558.7	2450.9	2355.5	2331.2	2293.5
55°	2120.4	2131.3	2217.9	2362.5	2546.5	2635.2	2598.2	2509.2	2484.9	2432.3
57.5°	1931.2	1947.0	2073.0	2260.1	2507.7	2687.2	2727.6	2670.8	2647.4	2571.7
60°	1684.2	1709.4	1853.7	2088.2	2408.6	2686.9	2845.1	2829.6	2810.2	2709.0
62.5°	1404.8	1433.9	1572.8	1845.2	2235.5	2610.6	2918.6	2962.7	2952.6	2835.7
65°	1078.9	1098.9	1237.1	1530.8	1966.1	2446.9	2927.1	3053.5	3055.3	2932.0
67.5°	718.3	776.0	896.0	1148.7	1605.3	2179.3	2852.4	3068.4	3086.0	2965.1
70°	350.5	426.4	544.0	746.6	1148.7	1769.0	2657.1	2946.3	2985.4	2868.5
72.5°	145.5	170.1	234.2	368.4	659.4	1193.7	2264.7	2615.2	2687.8	2541.7
75°	98.1	106.3	133.9	188.9	300.4	588.6	1633.2	1950.0	2066.9	1919.6
77.5°	75.6	80.8	97.5	132.1	178.6	222.6	874.2	1175.2	1235.6	1143.9
80°	59.5	63.5	72.9	96.3	126.7	119.1	298.0	532.5	567.4	476.0
82.5°	51.6	53.2	52.2	65.3	84.1	69.6	97.8	196.5	216.9	157.3
85°	37.4	41.6	43.4	40.4	44.6	35.2	40.1	69.6	76.5	68.3
87.5°	15.2	22.5	27.6	26.1	16.4	10.0	12.5	20.4	23.4	25.5
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°
641.2	0°	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2	641.2
641.5	2.5°	641.8	643.9	645.4	647.3	648.5	650.3	653.9	656.1	656.4	657.9
646.4	5°	647.6	650.6	653.9	658.8	664.3	668.8	675.8	680.7	682.5	684.0
658.2	7.5°	660.0	664.3	670.3	678.9	686.7	692.8	701.3	707.1	712.9	715.0
677.0	10°	678.5	684.6	693.4	705.0	713.5	721.4	730.2	735.0	740.8	743.2
699.5	12.5°	701.6	708.0	719.6	735.7	743.5	749.0	752.1	750.8	752.1	754.2
726.5	15°	728.1	735.0	748.1	765.4	770.9	766.0	759.3	753.3	752.4	753.0
759.3	17.5°	759.3	764.5	779.7	794.3	790.3	770.3	755.7	746.0	741.1	739.6
801.3	20°	803.1	803.1	815.5	824.6	798.2	764.2	741.4	725.6	715.6	711.4
858.4	22.5°	856.2	851.4	859.3	852.9	796.7	747.2	715.6	688.3	673.1	667.0
938.2	25°	923.7	917.9	915.8	876.3	785.8	720.2	668.8	635.7	622.4	619.0
1053.4	27.5°	1025.4	1010.8	983.2	889.0	765.7	677.6	614.2	583.5	575.9	576.2
1201.3	30°	1160.9	1131.7	1064.0	891.2	732.9	617.5	558.3	536.4	532.8	534.3
1325.5	32.5°	1286.3	1258.7	1146.6	881.4	682.5	558.6	508.2	493.6	488.1	489.9
1420.3	35°	1384.7	1377.1	1223.1	867.8	620.5	503.3	463.2	450.7	440.1	437.7
1509.6	37.5°	1477.7	1474.6	1280.6	848.6	559.2	464.1	427.1	410.7	395.2	386.7
1608.3	40°	1579.7	1576.7	1318.2	819.2	504.8	430.1	394.6	373.0	353.9	338.4
1720.1	42.5°	1694.6	1676.6	1336.1	777.0	458.6	401.2	368.1	339.0	313.8	299.5
1846.4	45°	1820.0	1779.6	1335.8	723.2	419.8	374.8	339.9	298.6	275.2	261.8
1976.1	47.5°	1953.0	1878.0	1319.4	663.7	382.1	345.7	296.1	264.6	249.1	240.9
2117.0	50°	2090.3	1970.0	1291.5	595.3	343.5	312.5	268.8	247.2	235.4	227.8
2256.8	52.5°	2219.4	2053.6	1257.8	517.9	304.3	280.3	256.7	240.0	227.5	219.0
2392.2	55°	2339.4	2125.6	1210.1	438.6	272.5	258.8	250.9	236.9	222.6	212.6
2529.8	57.5°	2446.0	2172.3	1127.8	364.2	249.7	243.9	244.8	231.8	215.3	206.8
2665.3	60°	2534.7	2206.7	1006.0	295.2	231.1	229.3	235.4	222.0	202.9	193.2
2779.8	62.5°	2587.8	2206.0	856.5	241.8	215.3	216.0	222.9	209.9	190.4	181.3
2839.6	65°	2583.3	2152.0	692.5	206.8	200.2	200.8	209.9	196.5	180.1	174.6
2809.6	67.5°	2491.9	2020.2	531.2	184.1	183.5	186.2	196.8	187.4	173.7	173.1
2630.4	70°	2244.3	1746.5	382.7	165.8	166.1	170.1	184.1	181.6	170.4	171.6
2211.5	72.5°	1799.6	1331.6	257.0	146.7	147.0	153.4	171.9	177.1	167.1	183.2
1569.1	75°	1198.5	830.4	165.2	126.4	126.7	134.9	161.3	168.3	157.9	182.5
816.4	77.5°	575.9	373.3	119.7	106.3	106.3	113.9	139.4	150.7	134.6	141.8
262.4	80°	198.9	140.3	94.2	85.7	83.8	89.0	117.5	130.6	116.0	106.9
85.7	82.5°	78.4	72.9	75.6	66.5	60.4	63.8	91.4	107.8	85.4	77.1
48.3	85°	45.0	47.4	53.5	44.0	34.9	39.2	67.1	77.5	64.4	56.8
15.8	87.5°	12.1	16.7	24.6	22.8	15.8	16.7	31.9	42.8	37.1	28.6
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>
641.2
657.6
683.7
715.3
744.5
754.8
755.1
741.7
710.4
666.1
619.6
577.1
539.4
492.4
439.5
387.0
339.9
300.4
261.2
239.0
225.1
215.3
208.7
201.4
188.9
178.6
174.3
174.0
171.3
185.6
184.1
130.0
100.2
76.8
58.0
29.5
0.0

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