

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: P846503

Luminaire Tested: **GLAN-SB2A-930-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846503
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-930-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5999 lumens
Efficiency: N/A
Efficacy: 104.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

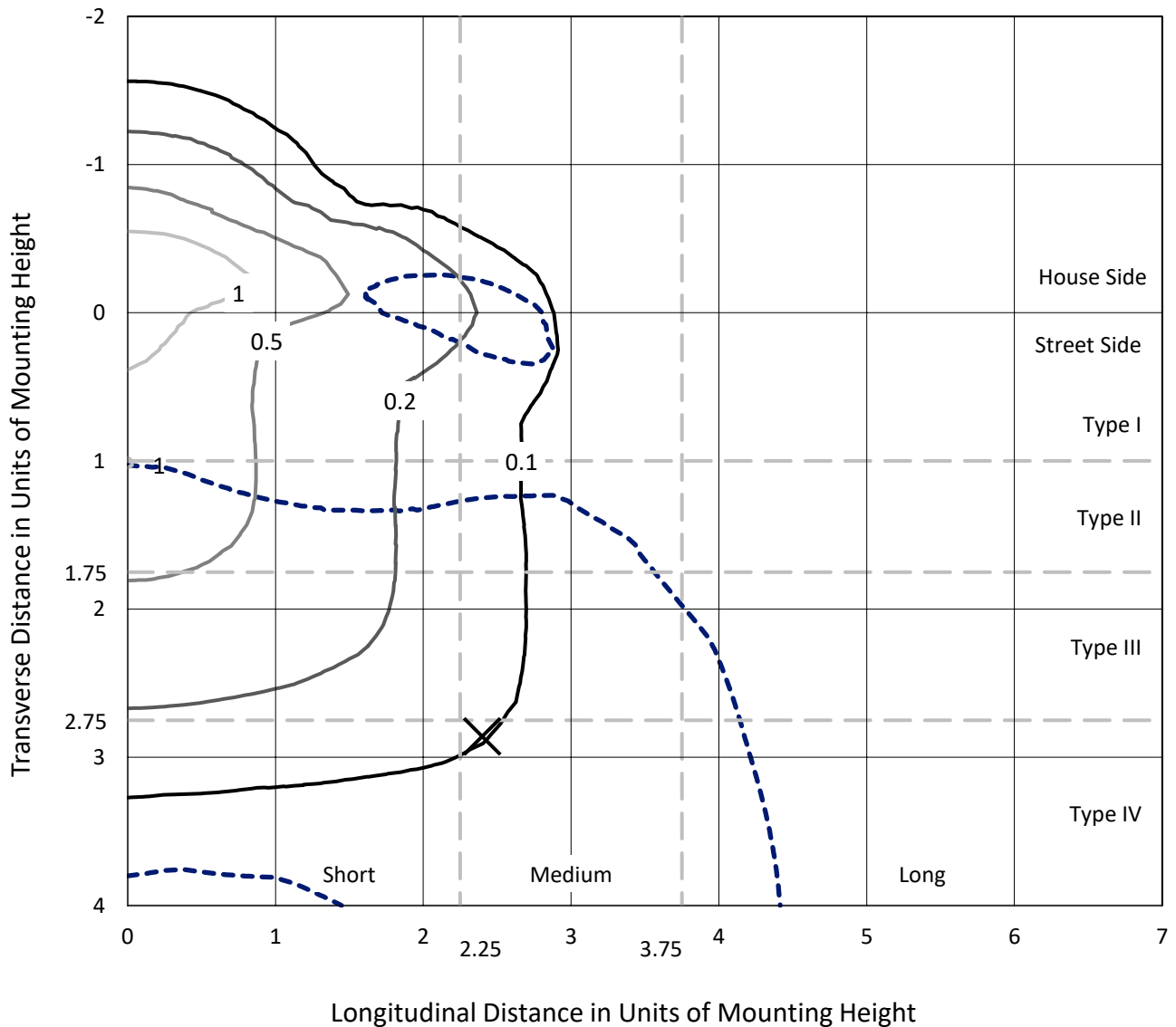
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

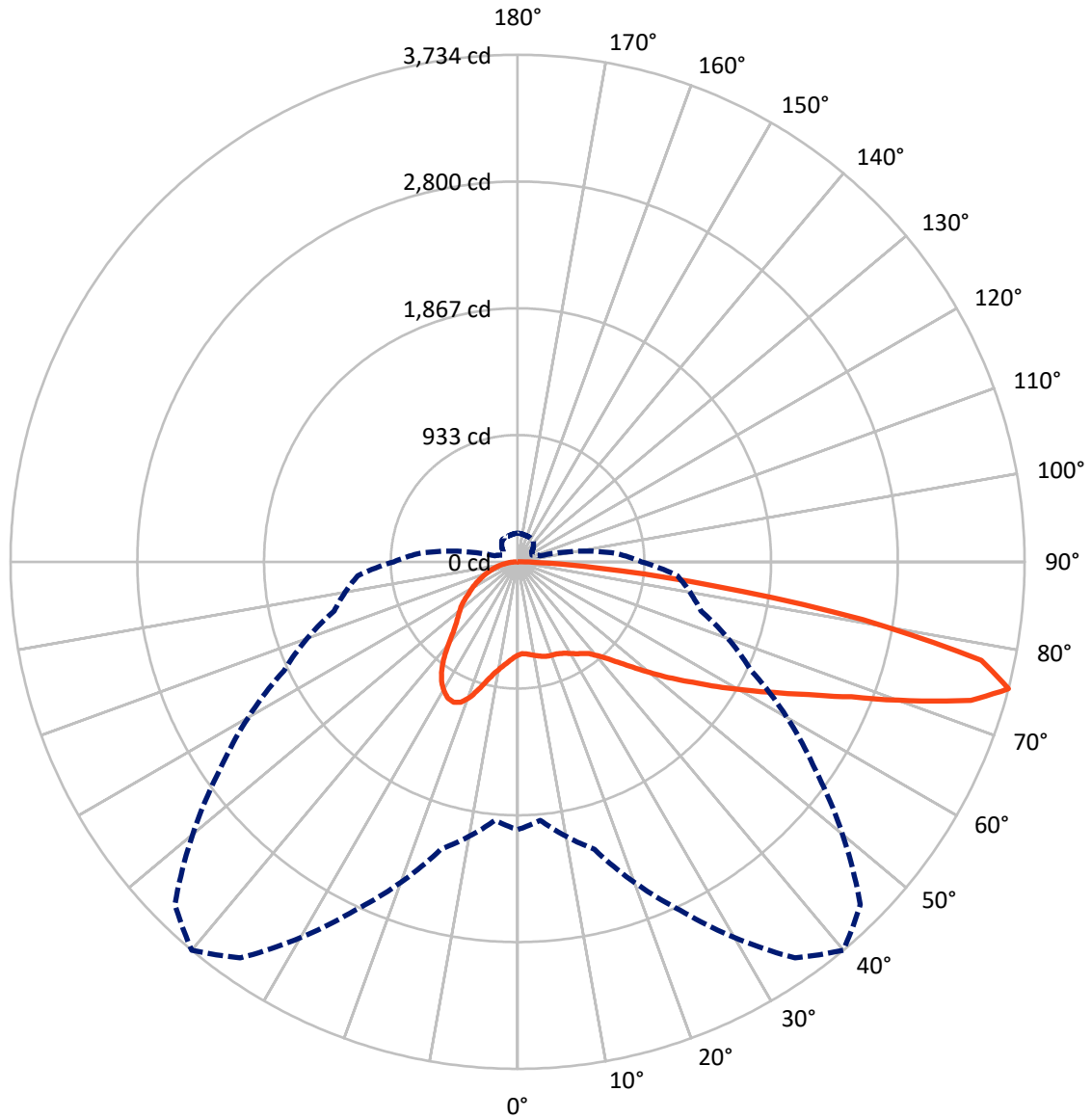
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1858.7	0.0	1858.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	4140.3	0.0	4140.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	5999.0	0.0	5999.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	1.1
10°-20°	229.9	3.8
20°-30°	419.8	7.0
30°-40°	595.4	9.9
40°-50°	803.9	13.4
50°-60°	1081.5	18.0
60°-70°	1372.7	22.9
70°-80°	1245.8	20.8
80°-90°	181.6	3.0
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°	5999.0	100.0
0°-180°	5999.0	100.0

Coefficient of Utilization

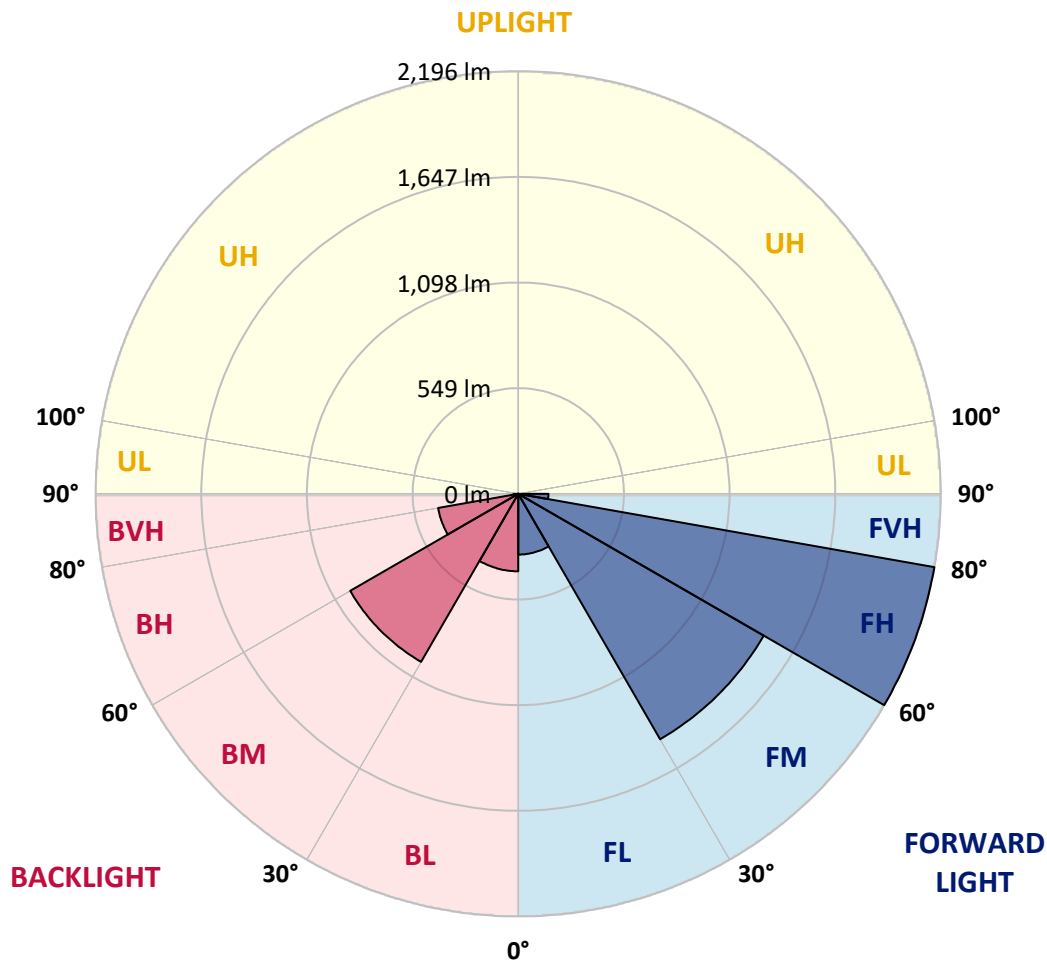


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	315.6	5.3			
FM (30°-60°)	1472.6	24.5			
FH (60°-80°)	2195.5	36.6			G2/5000
FVH (80°-90°)	156.6	2.6			G2/225
BL (0°-30°)	402.6	6.7	B1/500		
BM (30°-60°)	1008.2	16.8	B2/2500		
BH (60°-80°)	422.9	7.0	B1/500		G1/500
BVH (80°-90°)	25.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	686.0	686.0	686.0	686.0	686.0	686.0	686.0	686.0	686.0	686.0
2.5°	675.5	679.3	678.4	677.1	677.1	677.4	677.1	679.3	681.5	683.8
5°	682.5	686.3	684.4	682.8	681.5	681.2	680.3	679.9	681.2	684.1
7.5°	696.2	700.0	697.1	694.3	691.7	690.4	689.2	687.3	686.3	687.9
10°	711.4	715.3	711.8	706.7	702.5	700.9	699.7	697.8	696.5	697.4
12.5°	726.7	730.5	725.8	718.8	713.4	712.4	710.8	710.2	709.9	709.5
15°	741.0	744.2	738.2	729.9	724.2	722.6	721.0	721.9	723.5	725.4
17.5°	752.2	755.4	746.4	735.6	730.2	729.6	728.6	731.8	736.3	741.0
20°	762.4	765.5	754.1	739.4	733.1	733.1	733.4	740.1	746.4	753.4
22.5°	776.7	779.2	765.2	745.2	735.9	736.6	739.1	745.8	753.8	763.3
25°	798.0	799.9	782.7	756.0	745.5	747.4	749.6	752.8	760.4	771.6
27.5°	832.4	833.9	811.4	775.1	759.2	762.4	765.5	763.3	766.8	776.4
30°	880.7	881.7	853.0	805.0	782.4	784.0	784.6	775.4	768.7	776.4
32.5°	938.0	937.7	903.6	841.3	808.8	807.2	801.8	783.7	768.1	774.8
35°	1026.8	1023.3	979.4	892.2	838.7	828.9	816.1	792.9	771.3	773.2
37.5°	1173.8	1162.9	1102.2	975.5	883.3	858.1	839.4	807.9	778.3	772.5
40°	1339.5	1325.9	1259.0	1089.8	950.1	909.7	879.4	829.2	789.7	775.4
42.5°	1536.2	1516.8	1444.9	1224.4	1034.7	976.2	930.7	856.2	806.6	784.6
45°	1777.7	1751.9	1650.1	1376.1	1141.3	1063.4	1002.6	897.3	832.4	802.4
47.5°	2021.7	2028.1	1883.3	1549.8	1269.2	1170.9	1092.6	959.0	869.9	831.1
50°	2281.0	2285.5	2115.3	1742.3	1414.3	1292.4	1193.8	1028.0	922.1	871.8
52.5°	2483.4	2484.0	2325.9	1943.8	1565.4	1426.1	1302.9	1106.9	982.5	925.9
55°	2610.0	2608.4	2473.5	2134.3	1739.2	1566.4	1423.9	1196.7	1056.4	989.5
57.5°	2702.0	2697.2	2575.3	2298.2	1924.3	1732.2	1560.7	1298.5	1143.5	1065.3
60°	2737.0	2734.1	2644.4	2439.8	2119.1	1915.4	1718.5	1412.4	1242.5	1154.7
62.5°	2750.3	2755.7	2712.2	2576.9	2327.5	2118.4	1891.9	1548.6	1353.9	1255.9
65°	2797.4	2807.3	2798.4	2756.4	2562.9	2356.1	2121.9	1710.5	1475.4	1364.4
67.5°	2890.7	2900.5	2904.3	2971.2	2850.6	2652.3	2408.9	1912.3	1617.6	1477.0
70°	2888.4	2885.6	2953.0	3142.0	3210.7	3062.5	2795.8	2160.4	1787.2	1570.5
72.5°	2629.1	2606.2	2765.6	3140.1	3510.5	3490.7	3268.3	2480.5	1933.6	1582.0
75°	1972.4	1911.3	2192.9	2829.9	3560.4	3733.8	3568.7	2679.1	1898.9	1397.8
77.5°	843.5	782.1	1113.9	2094.9	3186.6	3490.4	3293.2	2337.3	1515.8	924.3
80°	220.8	220.5	336.6	949.8	2167.1	2577.6	2261.3	1509.4	866.1	330.3
82.5°	91.3	89.1	123.8	369.4	1058.9	1446.4	1180.4	673.3	312.8	89.4
85°	34.0	33.7	60.1	127.6	373.5	596.6	431.8	172.1	78.0	43.6
87.5°	9.5	9.2	13.0	44.2	91.0	138.1	73.8	28.3	22.0	17.2
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°
686.0	0°	686.0	686.0	686.0	686.0	686.0	686.0	686.0	686.0	686.0	686.0
687.3	2.5°	688.2	689.8	692.7	694.9	697.8	700.9	705.4	708.3	711.1	713.0
688.9	5°	691.1	694.6	701.9	709.2	717.8	725.8	735.0	741.7	747.1	748.7
694.6	7.5°	697.4	703.2	715.6	728.0	741.7	754.7	768.1	779.5	788.8	792.3
704.8	10°	708.6	716.2	733.7	751.2	769.4	789.4	806.6	823.1	836.2	841.6
716.9	12.5°	722.6	732.1	755.0	779.2	804.4	832.0	854.3	874.7	890.9	898.2
733.7	15°	740.7	753.1	782.4	814.9	851.8	890.3	918.6	941.2	959.3	968.2
751.2	17.5°	760.4	777.0	813.9	862.9	915.7	966.3	999.4	1015.9	1034.7	1043.3
767.4	20°	779.5	799.9	852.7	924.0	994.3	1048.1	1074.8	1079.3	1080.5	1081.5
782.7	22.5°	799.3	826.6	901.4	1001.0	1076.4	1113.6	1117.4	1098.4	1071.6	1059.2
797.7	25°	820.9	857.2	965.0	1085.9	1147.0	1151.5	1122.2	1075.8	1025.2	1001.9
809.8	27.5°	841.9	892.5	1041.4	1167.1	1197.9	1158.8	1095.8	1029.9	968.9	944.4
818.4	30°	862.9	932.9	1125.7	1238.0	1221.2	1140.7	1054.1	980.6	919.2	893.4
826.0	32.5°	884.2	980.0	1222.8	1289.3	1217.0	1102.2	1002.3	925.3	871.2	844.1
832.7	35°	908.4	1037.9	1314.7	1317.3	1189.4	1045.5	933.9	859.1	812.0	790.4
840.6	37.5°	939.9	1111.4	1395.9	1324.3	1141.0	962.5	848.9	780.8	742.0	732.1
852.4	40°	979.0	1199.9	1457.9	1313.1	1069.4	861.6	756.0	701.6	679.6	681.9
868.3	42.5°	1029.9	1298.8	1501.5	1284.5	969.8	757.6	674.5	650.4	660.9	669.8
892.2	45°	1096.1	1401.6	1528.5	1235.8	857.2	669.4	626.5	632.2	640.2	641.1
930.7	47.5°	1180.8	1505.6	1546.3	1162.3	742.3	607.4	595.9	597.2	595.6	588.9
988.3	50°	1286.4	1606.8	1562.3	1064.9	644.6	568.6	553.3	548.9	526.9	505.3
1064.9	52.5°	1406.7	1699.7	1568.9	944.0	568.6	536.1	511.3	483.3	442.3	435.6
1161.4	55°	1540.3	1785.6	1551.8	795.4	504.6	494.4	456.9	423.2	418.7	413.0
1288.3	57.5°	1700.0	1878.2	1516.8	629.7	439.1	445.8	409.2	413.0	405.0	396.1
1451.5	60°	1874.7	1974.0	1455.4	478.5	371.3	385.0	396.8	396.5	394.2	386.9
1623.7	62.5°	2031.9	2037.0	1334.4	366.5	311.8	337.9	370.0	369.7	367.8	363.7
1803.4	65°	2125.4	2027.4	1132.7	288.6	262.8	299.1	333.8	336.3	336.6	336.3
1938.7	67.5°	2108.9	1915.8	855.9	229.7	222.4	259.6	297.8	301.3	303.9	304.5
1955.8	70°	1921.8	1670.4	558.1	183.3	186.5	225.0	263.8	267.3	269.5	272.0
1697.2	72.5°	1498.0	1228.2	319.5	148.3	155.0	195.0	230.0	234.2	235.5	240.2
1181.1	75°	912.9	722.3	172.5	116.8	127.3	166.7	196.6	201.4	203.6	209.4
580.0	77.5°	434.0	312.8	98.3	91.0	102.5	136.2	166.1	171.5	165.5	168.6
160.0	80°	146.7	116.1	62.0	69.4	78.3	106.3	133.0	138.4	125.7	125.0
53.1	82.5°	51.2	47.1	39.5	46.1	50.6	76.0	100.5	107.5	93.5	93.2
23.9	85°	20.0	19.1	22.0	25.1	30.2	46.8	66.2	69.7	57.6	46.5
7.0	87.5°	4.1	4.5	5.4	5.7	9.2	16.2	23.9	29.3	23.2	19.7
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°
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686.0
711.8
749.3
792.6
841.9
898.2
967.6
1043.0
1084.0
1062.7
1005.4
947.2
896.3
847.6
795.1
739.1
689.5
678.0
647.5
594.0
508.1
437.8
414.0
394.5
384.4
362.1
336.3
305.1
273.3
242.1
210.0
166.1
123.8
88.8
45.8
18.1
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