

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: P846443

Luminaire Tested: **GLAN-SB2A-827-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846443
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-827-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 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: 7090 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

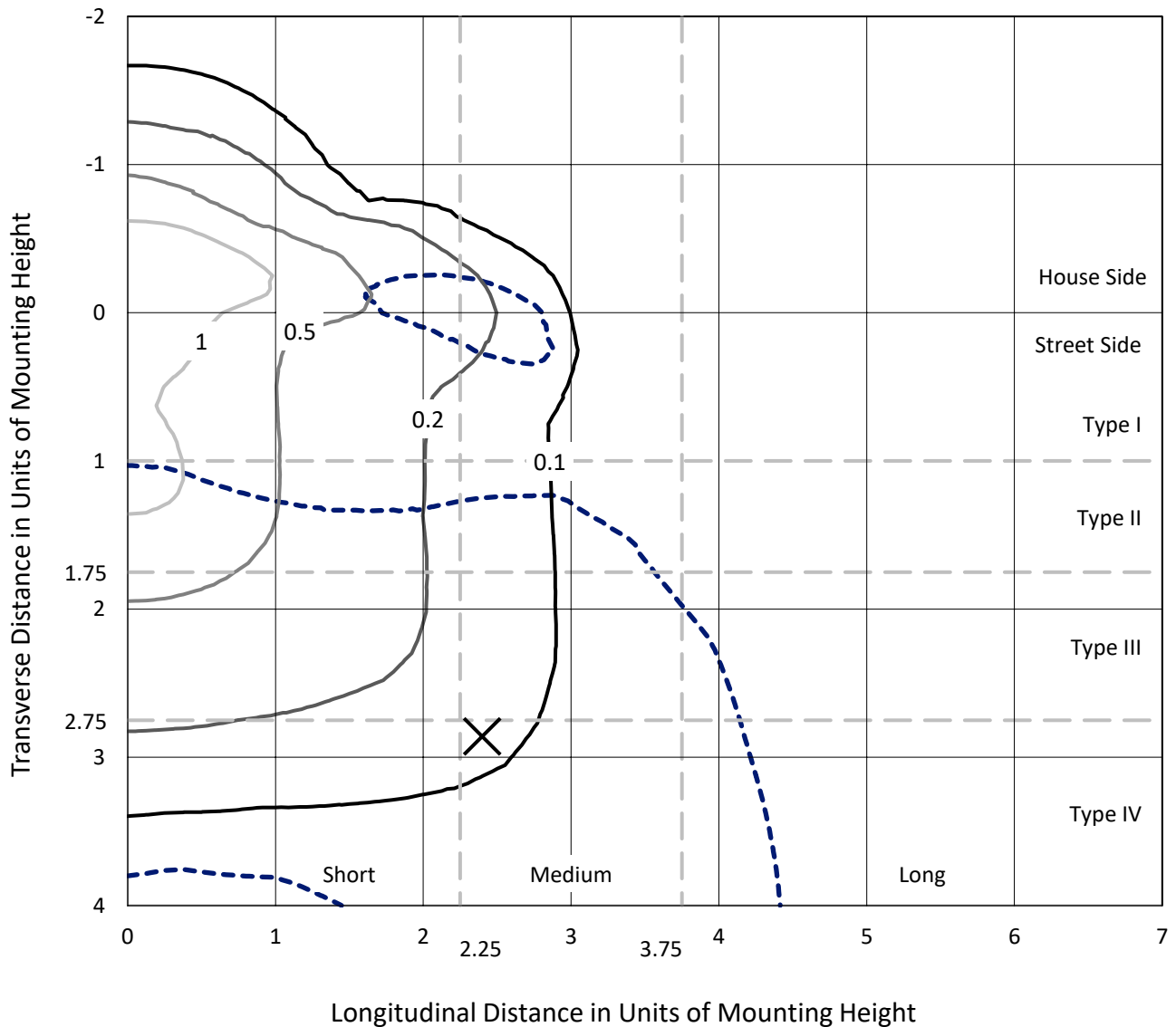
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

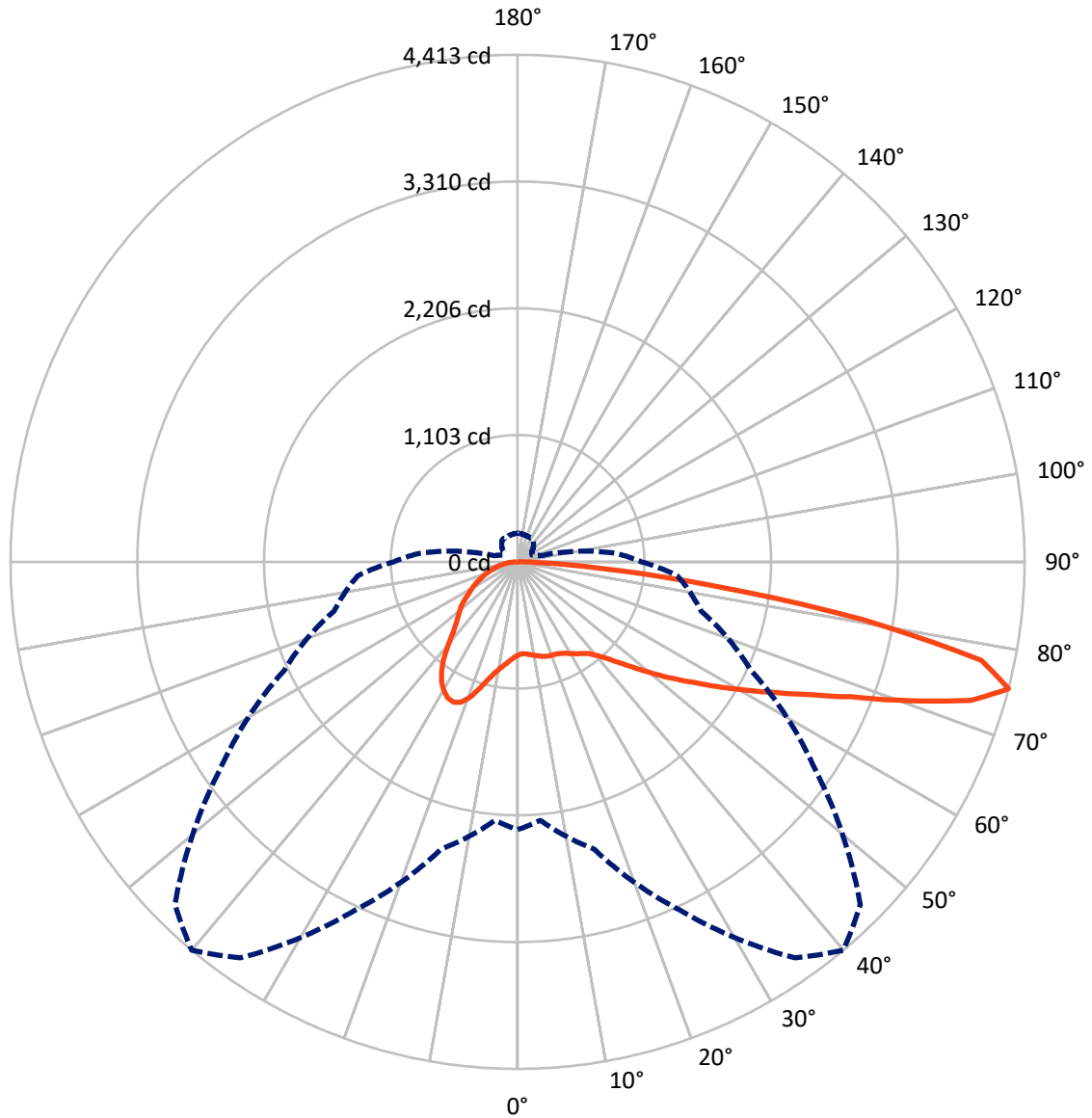
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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	2196.7	0.0	2196.7
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	4893.3	0.0	4893.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	7090.0	0.0	7090.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.9	1.1
10°-20°	271.7	3.8
20°-30°	496.1	7.0
30°-40°	703.6	9.9
40°-50°	950.1	13.4
50°-60°	1278.2	18.0
60°-70°	1622.3	22.9
70°-80°	1472.3	20.8
80°-90°	214.6	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°	7090.0	100.0
0°-180°	7090.0	100.0

Coefficient of Utilization

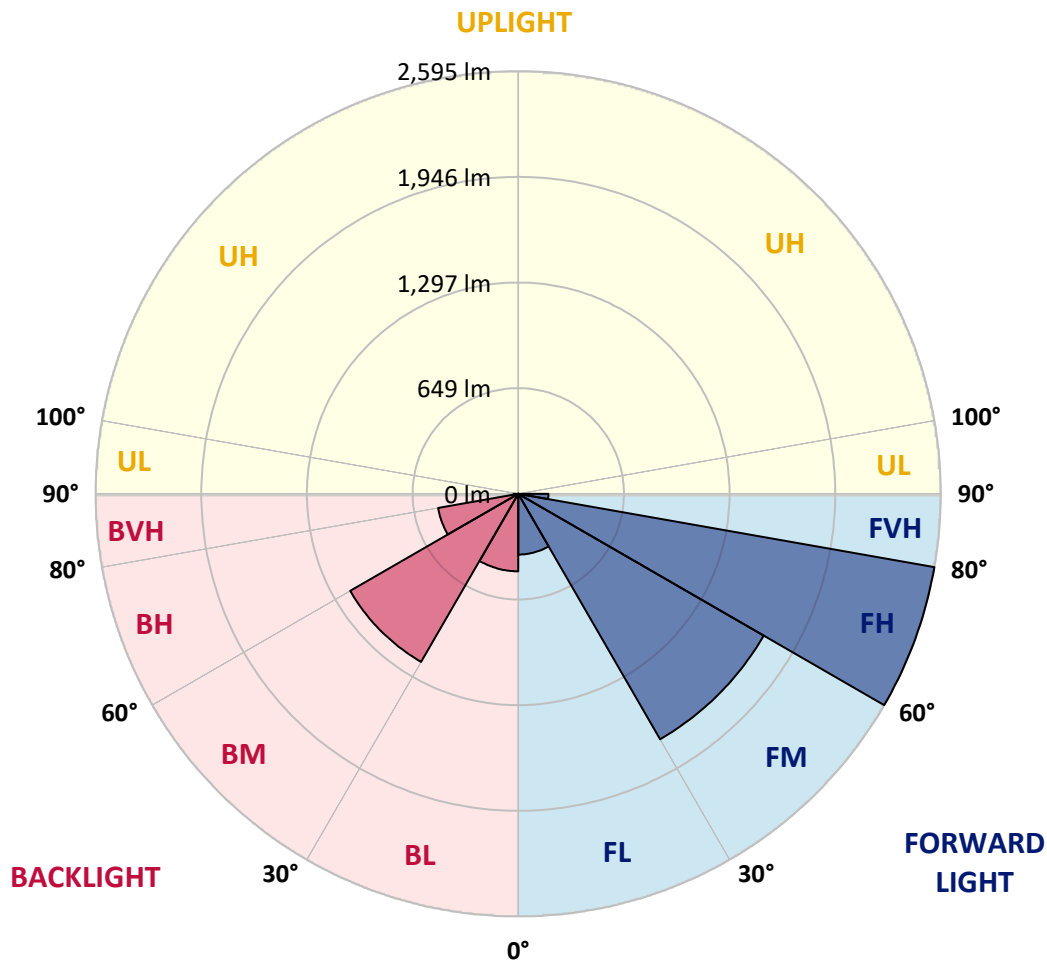


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.9	5.3			
FM (30°-60°)	1740.4	24.5			
FH (60°-80°)	2594.8	36.6			G2/5000
FVH (80°-90°)	185.1	2.6			G2/225
BL (0°-30°)	475.8	6.7	B1/500		
BM (30°-60°)	1191.5	16.8	B2/2500		
BH (60°-80°)	499.8	7.0	B1/500		G1/500
BVH (80°-90°)	29.6	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°	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8
2.5°	798.3	802.9	801.7	800.2	800.2	800.6	800.2	802.9	805.5	808.1
5°	806.6	811.1	808.9	807.0	805.5	805.1	804.0	803.6	805.1	808.5
7.5°	822.8	827.3	823.9	820.5	817.5	816.0	814.5	812.3	811.1	813.0
10°	840.8	845.3	841.2	835.2	830.3	828.4	826.9	824.7	823.2	824.3
12.5°	858.9	863.4	857.8	849.5	843.1	842.0	840.1	839.3	839.0	838.6
15°	875.8	879.6	872.4	862.6	855.9	854.0	852.1	853.2	855.1	857.4
17.5°	889.0	892.7	882.2	869.4	863.0	862.3	861.1	864.9	870.2	875.8
20°	901.0	904.8	891.2	873.9	866.4	866.4	866.8	874.7	882.2	890.5
22.5°	917.9	920.9	904.4	880.7	869.8	870.5	873.6	881.4	890.8	902.1
25°	943.1	945.4	925.1	893.5	881.1	883.3	886.0	889.7	898.7	911.9
27.5°	983.7	985.6	958.9	916.0	897.2	901.0	904.8	902.1	906.3	917.5
30°	1040.9	1042.0	1008.2	951.4	924.7	926.6	927.3	916.4	908.5	917.5
32.5°	1108.6	1108.2	1068.0	994.3	955.9	954.0	947.6	926.2	907.8	915.7
35°	1213.5	1209.4	1157.5	1054.4	991.3	979.6	964.6	937.1	911.5	913.8
37.5°	1387.2	1374.4	1302.6	1153.0	1043.9	1014.2	992.0	954.8	919.8	913.0
40°	1583.1	1567.0	1488.0	1288.0	1122.9	1075.1	1039.4	980.0	933.3	916.4
42.5°	1815.5	1792.6	1707.6	1447.0	1222.9	1153.7	1099.9	1011.9	953.3	927.3
45°	2101.0	2070.5	1950.2	1626.4	1348.9	1256.7	1184.9	1060.4	983.7	948.4
47.5°	2389.4	2396.9	2225.8	1831.7	1500.0	1383.8	1291.3	1133.4	1028.1	982.2
50°	2695.9	2701.1	2499.9	2059.2	1671.5	1527.5	1410.9	1215.0	1089.8	1030.4
52.5°	2935.0	2935.8	2748.9	2297.3	1850.1	1685.4	1539.9	1308.3	1161.2	1094.3
55°	3084.7	3082.8	2923.4	2522.5	2055.5	1851.3	1682.8	1414.3	1248.5	1169.5
57.5°	3193.4	3187.7	3043.7	2716.2	2274.3	2047.2	1844.5	1534.6	1351.5	1259.0
60°	3234.7	3231.3	3125.3	2883.5	2504.5	2263.8	2031.0	1669.3	1468.5	1364.7
62.5°	3250.5	3256.9	3205.4	3045.6	2750.8	2503.7	2236.0	1830.2	1600.1	1484.2
65°	3306.2	3317.8	3307.3	3257.7	3029.0	2784.6	2507.8	2021.6	1743.7	1612.5
67.5°	3416.4	3428.0	3432.5	3511.5	3369.0	3134.7	2847.0	2260.0	1911.8	1745.6
70°	3413.7	3410.3	3490.1	3713.4	3794.7	3619.4	3304.3	2553.3	2112.2	1856.2
72.5°	3107.3	3080.2	3268.6	3711.2	4148.9	4125.6	3862.7	2931.6	2285.2	1869.7
75°	2331.1	2258.9	2591.7	3344.5	4207.9	4412.9	4217.7	3166.3	2244.2	1652.0
77.5°	996.9	924.3	1316.5	2475.9	3766.1	4125.2	3892.1	2762.4	1791.5	1092.4
80°	261.0	260.6	397.9	1122.5	2561.2	3046.3	2672.5	1784.0	1023.6	390.3
82.5°	107.9	105.3	146.3	436.6	1251.5	1709.5	1395.1	795.7	369.7	105.7
85°	40.2	39.9	71.1	150.8	441.5	705.1	510.3	203.4	92.1	51.5
87.5°	11.3	10.9	15.4	52.3	107.5	163.2	87.2	33.5	25.9	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°
810.8	0°	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8	810.8
812.3	2.5°	813.4	815.3	818.6	821.3	824.7	828.4	833.7	837.1	840.5	842.7
814.1	5°	816.8	820.9	829.6	838.2	848.4	857.8	868.7	876.6	883.0	884.8
820.9	7.5°	824.3	831.1	845.7	860.4	876.6	892.0	907.8	921.3	932.2	936.3
832.9	10°	837.5	846.5	867.2	887.8	909.3	933.0	953.3	972.8	988.2	994.6
847.2	12.5°	854.0	865.3	892.4	920.9	950.6	983.4	1009.7	1033.7	1052.9	1061.6
867.2	15°	875.4	890.1	924.7	963.0	1006.7	1052.2	1085.6	1112.3	1133.8	1144.3
887.8	17.5°	898.7	918.3	961.9	1019.8	1082.3	1142.0	1181.2	1200.7	1222.9	1233.0
907.0	20°	921.3	945.4	1007.8	1092.0	1175.1	1238.7	1270.3	1275.5	1277.0	1278.2
925.1	22.5°	944.6	977.0	1065.3	1183.0	1272.2	1316.2	1320.7	1298.1	1266.5	1251.9
942.7	25°	970.2	1013.1	1140.5	1283.4	1355.6	1360.9	1326.3	1271.4	1211.6	1184.2
957.0	27.5°	995.0	1054.8	1230.8	1379.3	1415.8	1369.6	1295.1	1217.3	1145.1	1116.1
967.2	30°	1019.8	1102.6	1330.4	1463.2	1443.3	1348.1	1245.8	1159.0	1086.4	1055.9
976.2	32.5°	1045.0	1158.2	1445.1	1523.7	1438.4	1302.6	1184.5	1093.5	1029.6	997.6
984.1	35°	1073.6	1226.7	1553.8	1556.8	1405.7	1235.7	1103.7	1015.3	959.7	934.1
993.5	37.5°	1110.8	1313.5	1649.7	1565.1	1348.5	1137.5	1003.3	922.8	876.9	865.3
1007.4	40°	1157.1	1418.1	1723.0	1551.9	1263.9	1018.3	893.5	829.2	803.2	805.9
1026.2	42.5°	1217.3	1535.0	1774.6	1518.1	1146.2	895.4	797.2	768.6	781.0	791.6
1054.4	45°	1295.5	1656.5	1806.5	1460.6	1013.1	791.2	740.4	747.2	756.6	757.7
1099.9	47.5°	1395.5	1779.4	1827.6	1373.7	877.3	717.9	704.3	705.8	704.0	696.1
1168.0	50°	1520.3	1899.0	1846.4	1258.6	761.9	672.0	653.9	648.7	622.7	597.2
1258.6	52.5°	1662.5	2008.8	1854.3	1115.7	672.0	633.6	604.3	571.2	522.7	514.8
1372.6	55°	1820.4	2110.4	1834.0	940.1	596.4	584.4	540.0	500.1	494.9	488.1
1522.6	57.5°	2009.2	2219.8	1792.6	744.2	518.9	526.8	483.6	488.1	478.7	468.2
1715.5	60°	2215.7	2333.0	1720.0	565.6	438.8	455.0	468.9	468.6	465.9	457.3
1919.0	62.5°	2401.4	2407.4	1577.1	433.2	368.5	399.4	437.3	437.0	434.7	429.8
2131.4	65°	2512.0	2396.2	1338.7	341.1	310.6	353.5	394.5	397.5	397.9	397.5
2291.2	67.5°	2492.4	2264.2	1011.6	271.5	262.9	306.9	352.0	356.1	359.1	359.9
2311.5	70°	2271.3	1974.2	659.6	216.6	220.4	265.9	311.7	315.9	318.5	321.5
2005.8	72.5°	1770.4	1451.5	377.5	175.2	183.1	230.5	271.9	276.8	278.3	283.9
1395.9	75°	1078.9	853.6	203.8	138.0	150.4	197.0	232.4	238.0	240.7	247.4
685.5	77.5°	512.9	369.7	116.2	107.5	121.1	160.9	196.3	202.7	195.5	199.3
189.2	80°	173.4	137.3	73.3	82.0	92.5	125.6	157.2	163.6	148.5	147.8
62.8	82.5°	60.5	55.7	46.6	54.5	59.8	89.9	118.8	127.1	110.6	110.2
28.2	85°	23.7	22.6	25.9	29.7	35.7	55.3	78.2	82.4	68.1	54.9
8.3	87.5°	4.9	5.3	6.4	6.8	10.9	19.2	28.2	34.6	27.5	23.3
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>
810.8
841.2
885.6
936.7
995.0
1061.6
1143.5
1232.7
1281.2
1256.0
1188.3
1119.5
1059.3
1001.8
939.7
873.6
814.9
801.3
765.2
702.1
600.5
517.4
489.2
466.3
454.3
427.9
397.5
360.6
323.0
286.2
248.2
196.3
146.3
104.9
54.2
21.4
0.0

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