

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: P846373

Luminaire Tested: **GLAN-SB2A-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846373
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-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 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: 6954 lumens
Efficiency: N/A
Efficacy: 121.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

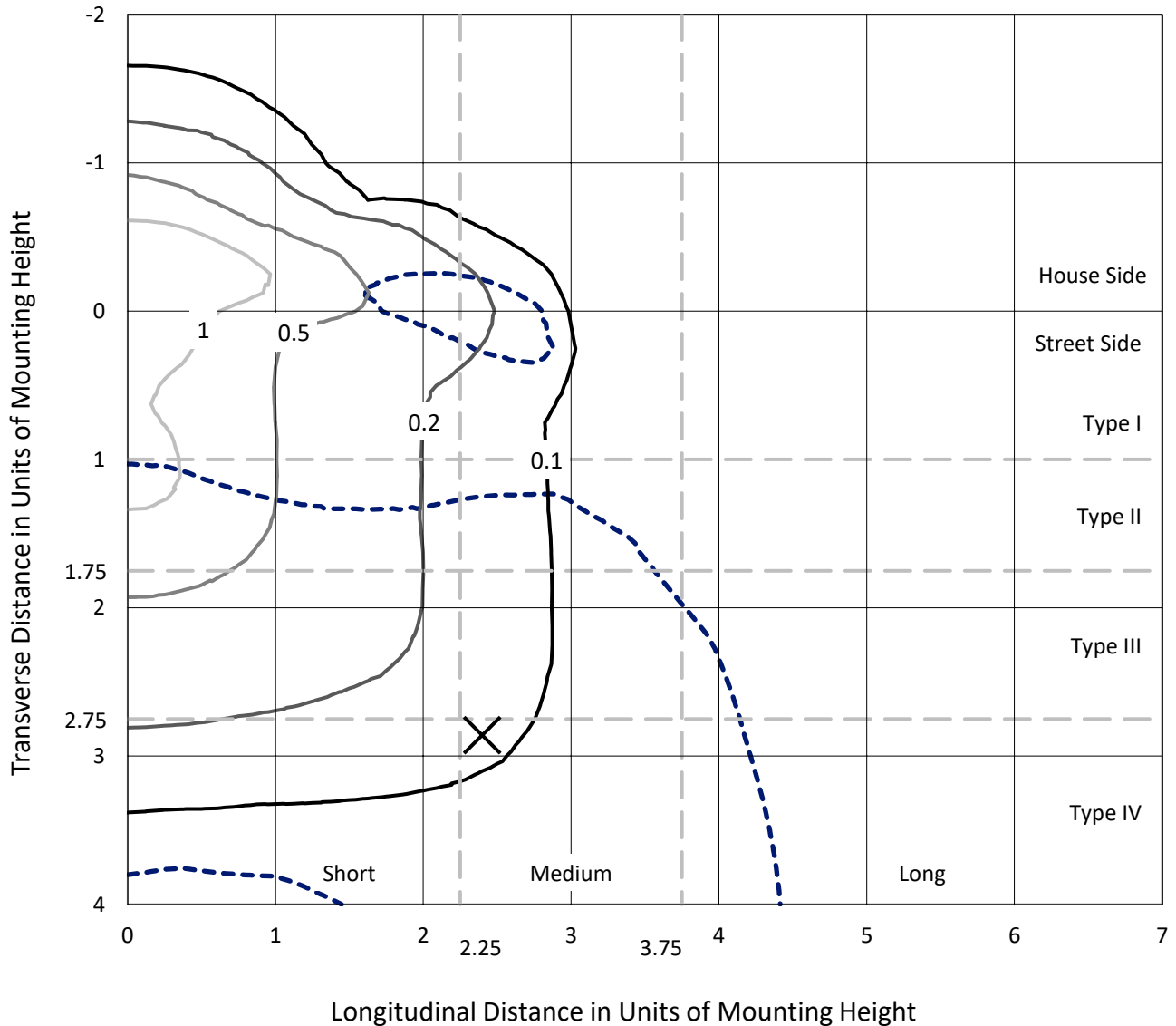
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

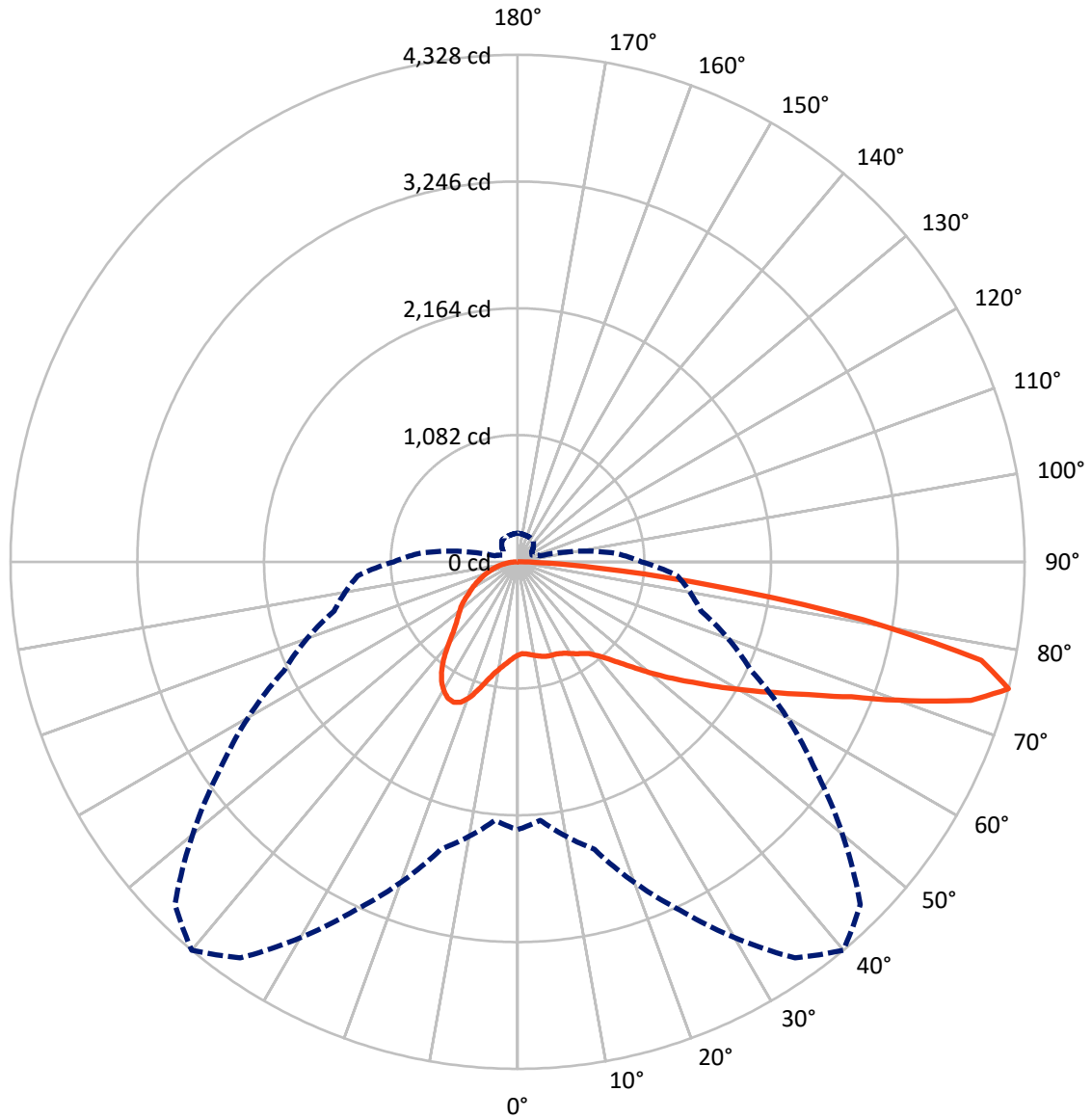
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	2154.6	0.0	2154.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	4799.4	0.0	4799.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	6954.0	0.0	6954.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.4	1.1
10°-20°	266.5	3.8
20°-30°	486.6	7.0
30°-40°	690.1	9.9
40°-50°	931.9	13.4
50°-60°	1253.7	18.0
60°-70°	1591.2	22.9
70°-80°	1444.1	20.8
80°-90°	210.5	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°	6954.0	100.0
0°-180°	6954.0	100.0

Coefficient of Utilization

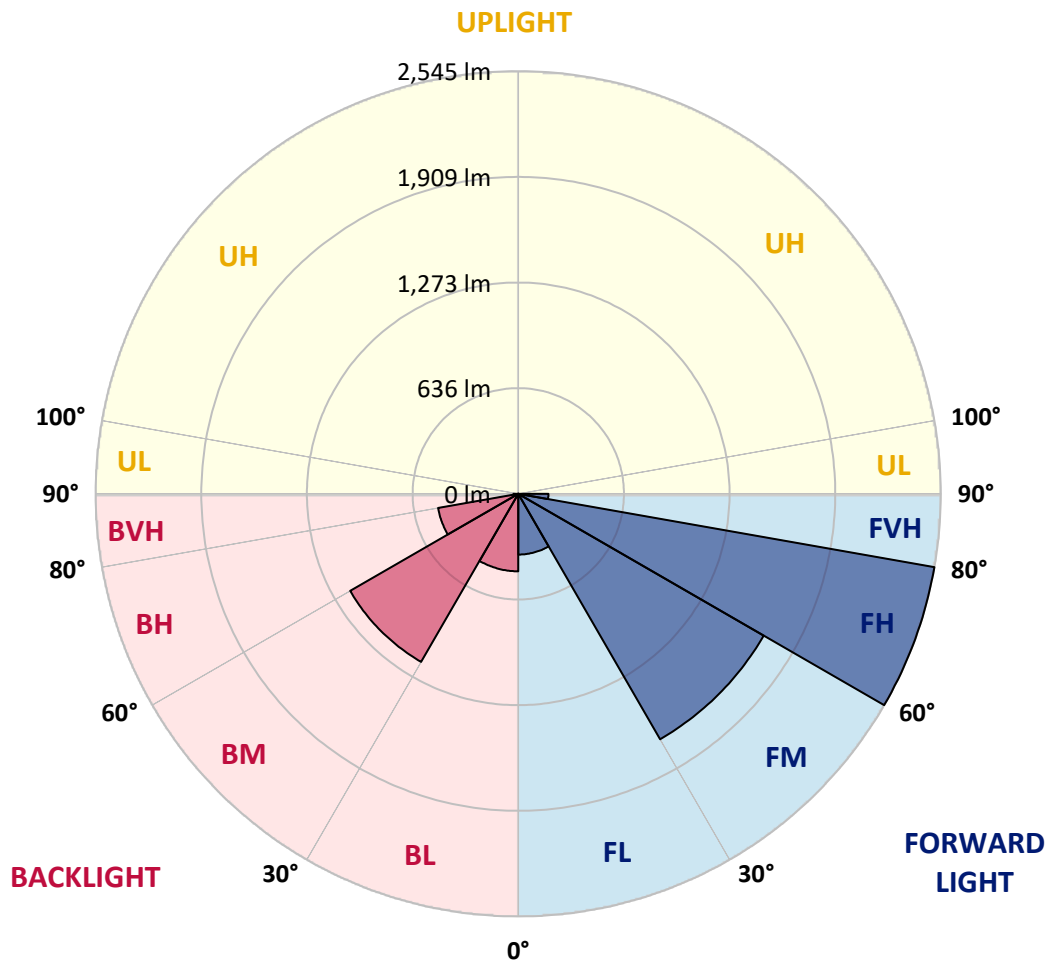


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.8	5.3			
FM (30°-60°)	1707.1	24.5			
FH (60°-80°)	2545.1	36.6			G2/5000
FVH (80°-90°)	181.5	2.6			G2/225
BL (0°-30°)	466.7	6.7	B1/500		
BM (30°-60°)	1168.7	16.8	B2/2500		
BH (60°-80°)	490.2	7.0	B1/500		G1/500
BVH (80°-90°)	29.0	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°	795.2	795.2	795.2	795.2	795.2	795.2	795.2	795.2	795.2	795.2
2.5°	783.0	787.5	786.3	784.9	784.9	785.2	784.9	787.5	790.0	792.6
5°	791.1	795.6	793.4	791.5	790.0	789.7	788.6	788.2	789.7	793.0
7.5°	807.0	811.4	808.1	804.8	801.8	800.4	798.9	796.7	795.6	797.4
10°	824.7	829.1	825.1	819.2	814.4	812.5	811.1	808.8	807.4	808.5
12.5°	842.4	846.8	841.3	833.2	826.9	825.8	824.0	823.2	822.9	822.5
15°	859.0	862.7	855.7	846.1	839.5	837.6	835.8	836.9	838.7	840.9
17.5°	871.9	875.6	865.3	852.7	846.5	845.7	844.6	848.3	853.5	859.0
20°	883.7	887.4	874.1	857.2	849.8	849.8	850.2	857.9	865.3	873.4
22.5°	900.3	903.3	887.0	863.8	853.1	853.8	856.8	864.5	873.8	884.8
25°	925.0	927.2	907.3	876.3	864.2	866.4	869.0	872.7	881.5	894.4
27.5°	964.9	966.7	940.5	898.5	880.0	883.7	887.4	884.8	888.9	899.9
30°	1020.9	1022.0	988.8	933.1	907.0	908.8	909.5	898.8	891.1	899.9
32.5°	1087.3	1086.9	1047.5	975.2	937.6	935.7	929.5	908.4	890.4	898.1
35°	1190.2	1186.2	1135.3	1034.2	972.2	960.8	946.1	919.1	894.0	896.3
37.5°	1360.6	1348.1	1277.6	1130.8	1023.9	994.7	973.0	936.5	902.2	895.5
40°	1552.8	1536.9	1459.5	1263.2	1101.3	1054.5	1019.4	961.2	915.4	898.8
42.5°	1780.7	1758.2	1674.9	1419.3	1199.4	1131.6	1078.8	992.5	935.0	909.5
45°	2060.7	2030.8	1912.8	1595.2	1323.0	1232.6	1162.2	1040.1	964.9	930.2
47.5°	2343.6	2350.9	2183.1	1796.6	1471.3	1357.3	1266.6	1111.7	1008.4	963.4
50°	2644.1	2649.3	2452.0	2019.7	1639.5	1498.2	1383.9	1191.7	1068.9	1010.6
52.5°	2878.7	2879.5	2696.2	2253.2	1814.6	1653.1	1510.4	1283.2	1138.9	1073.3
55°	3025.5	3023.7	2867.3	2474.1	2016.0	1815.8	1650.5	1387.2	1224.5	1147.1
57.5°	3132.1	3126.6	2985.3	2664.1	2230.7	2007.9	1809.1	1505.2	1325.6	1234.8
60°	3172.7	3169.4	3065.4	2828.2	2456.4	2220.4	1992.1	1637.2	1440.3	1338.5
62.5°	3188.2	3194.4	3143.9	2987.2	2698.0	2455.7	2193.1	1795.1	1569.4	1455.8
65°	3242.8	3254.2	3243.9	3195.2	2970.9	2731.2	2459.7	1982.8	1710.3	1581.5
67.5°	3350.8	3362.3	3366.7	3444.1	3304.4	3074.6	2792.4	2216.7	1875.1	1712.1
70°	3348.2	3344.9	3423.1	3642.2	3721.9	3550.0	3240.9	2504.4	2071.7	1820.5
72.5°	3047.6	3021.1	3205.9	3640.0	4069.3	4046.4	3788.6	2875.4	2241.4	1833.8
75°	2286.4	2215.6	2542.0	3280.4	4127.2	4328.2	4136.8	3105.6	2201.2	1620.3
77.5°	977.8	906.6	1291.3	2428.4	3693.8	4046.1	3817.4	2709.4	1757.1	1071.5
80°	256.0	255.6	390.2	1101.0	2512.1	2987.9	2621.3	1749.7	1004.0	382.8
82.5°	105.9	103.3	143.5	428.2	1227.5	1676.7	1368.4	780.4	362.6	103.6
85°	39.5	39.1	69.7	147.9	433.0	691.6	500.5	199.5	90.4	50.5
87.5°	11.1	10.7	15.1	51.3	105.5	160.1	85.6	32.8	25.4	19.9
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°
795.2	0°	795.2	795.2	795.2	795.2	795.2	795.2	795.2	795.2	795.2	795.2
796.7	2.5°	797.8	799.6	802.9	805.5	808.8	812.5	817.7	821.0	824.3	826.5
798.5	5°	801.1	805.2	813.6	822.1	832.1	841.3	852.0	859.7	866.0	867.9
805.2	7.5°	808.5	815.1	829.5	843.9	859.7	874.9	890.4	903.6	914.3	918.4
817.0	10°	821.4	830.2	850.5	870.8	891.8	915.1	935.0	954.2	969.3	975.6
831.0	12.5°	837.6	848.7	875.2	903.3	932.4	964.5	990.3	1013.9	1032.7	1041.2
850.5	15°	858.6	873.0	907.0	944.6	987.4	1032.0	1064.8	1091.0	1112.0	1122.4
870.8	17.5°	881.5	900.7	943.5	1000.3	1061.5	1120.1	1158.5	1177.7	1199.4	1209.4
889.6	20°	903.6	927.2	988.5	1071.1	1152.6	1214.9	1245.9	1251.1	1252.5	1253.7
907.3	22.5°	926.5	958.2	1044.9	1160.3	1247.8	1290.9	1295.3	1273.2	1242.2	1227.8
924.7	25°	951.6	993.6	1118.7	1258.8	1329.6	1334.8	1300.9	1247.0	1188.4	1161.4
938.7	27.5°	975.9	1034.6	1207.2	1352.9	1388.6	1343.3	1270.3	1193.9	1123.1	1094.7
948.6	30°	1000.3	1081.4	1304.9	1435.1	1415.6	1322.3	1221.9	1136.7	1065.6	1035.7
957.5	32.5°	1025.0	1136.0	1417.4	1494.5	1410.8	1277.6	1161.8	1072.6	1009.9	978.5
965.2	35°	1053.0	1203.1	1524.0	1527.0	1378.7	1212.0	1082.5	995.8	941.3	916.2
974.5	37.5°	1089.5	1288.3	1618.1	1535.1	1322.6	1115.7	984.0	905.1	860.1	848.7
988.1	40°	1134.9	1390.9	1690.0	1522.2	1239.6	998.8	876.3	813.3	787.8	790.4
1006.5	42.5°	1193.9	1505.6	1740.5	1489.0	1124.2	878.2	781.9	753.9	766.1	776.4
1034.2	45°	1270.6	1624.7	1771.9	1432.5	993.6	776.0	726.2	732.9	742.1	743.2
1078.8	47.5°	1368.7	1745.3	1792.5	1347.3	860.5	704.1	690.8	692.3	690.5	682.7
1145.6	50°	1491.2	1862.6	1811.0	1234.5	747.3	659.1	641.4	636.2	610.8	585.7
1234.5	52.5°	1630.6	1970.3	1818.7	1094.3	659.1	621.5	592.7	560.3	512.7	504.9
1346.2	55°	1785.5	2069.9	1798.8	922.1	585.0	573.2	529.6	490.5	485.4	478.7
1493.4	57.5°	1970.7	2177.2	1758.2	729.9	509.0	516.7	474.3	478.7	469.5	459.2
1682.6	60°	2173.2	2288.2	1687.0	554.7	430.4	446.3	459.9	459.6	457.0	448.5
1882.1	62.5°	2355.4	2361.3	1546.9	424.9	361.5	391.7	429.0	428.6	426.4	421.6
2090.5	65°	2463.8	2350.2	1313.0	334.5	304.7	346.7	386.9	389.9	390.2	389.9
2247.3	67.5°	2444.6	2220.7	992.2	266.3	257.8	301.0	345.2	349.3	352.2	353.0
2267.2	70°	2227.7	1936.4	646.9	212.4	216.1	260.8	305.8	309.8	312.4	315.4
1967.3	72.5°	1736.5	1423.7	370.3	171.9	179.6	226.1	266.7	271.5	272.9	278.5
1369.1	75°	1058.2	837.2	199.9	135.4	147.5	193.3	227.9	233.5	236.1	242.7
672.4	77.5°	503.1	362.6	114.0	105.5	118.8	157.9	192.5	198.8	191.8	195.5
185.5	80°	170.0	134.6	71.9	80.4	90.7	123.2	154.2	160.4	145.7	145.0
61.6	82.5°	59.4	54.6	45.7	53.5	58.6	88.2	116.6	124.7	108.4	108.1
27.7	85°	23.2	22.1	25.4	29.1	35.0	54.2	76.7	80.8	66.8	53.8
8.1	87.5°	4.8	5.2	6.3	6.6	10.7	18.8	27.7	33.9	26.9	22.9
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°
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795.2
825.1
868.6
918.8
975.9
1041.2
1121.6
1209.0
1256.6
1231.9
1165.5
1098.0
1039.0
982.6
921.7
856.8
799.3
786.0
750.6
688.6
589.0
507.5
479.8
457.4
445.5
419.7
389.9
353.7
316.8
280.7
243.4
192.5
143.5
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53.1
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