

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: P845893

Luminaire Tested: **GLAN-SB1B-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845893
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-SB1B-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5479 lumens
Efficiency: N/A
Efficacy: 137.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

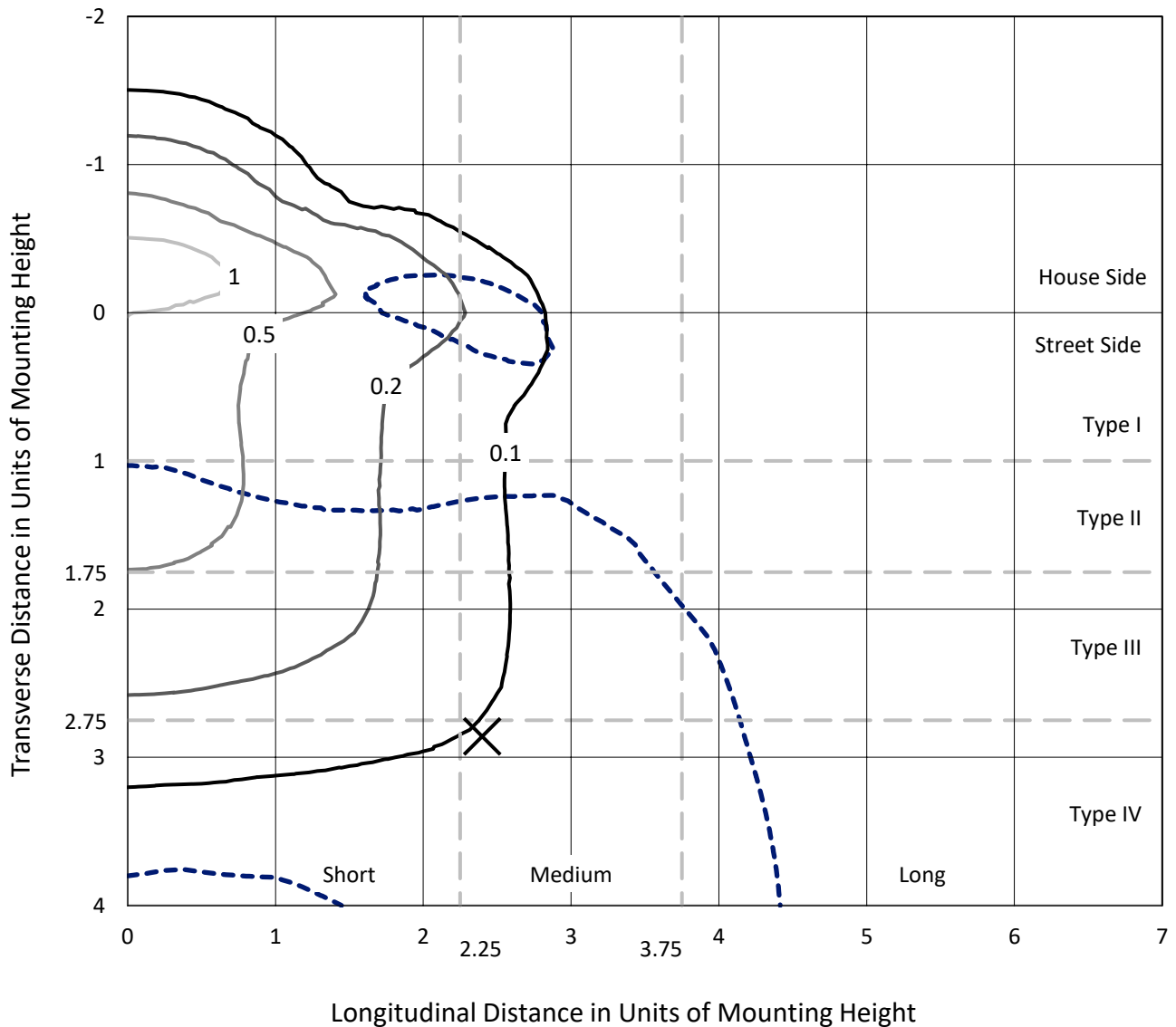
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

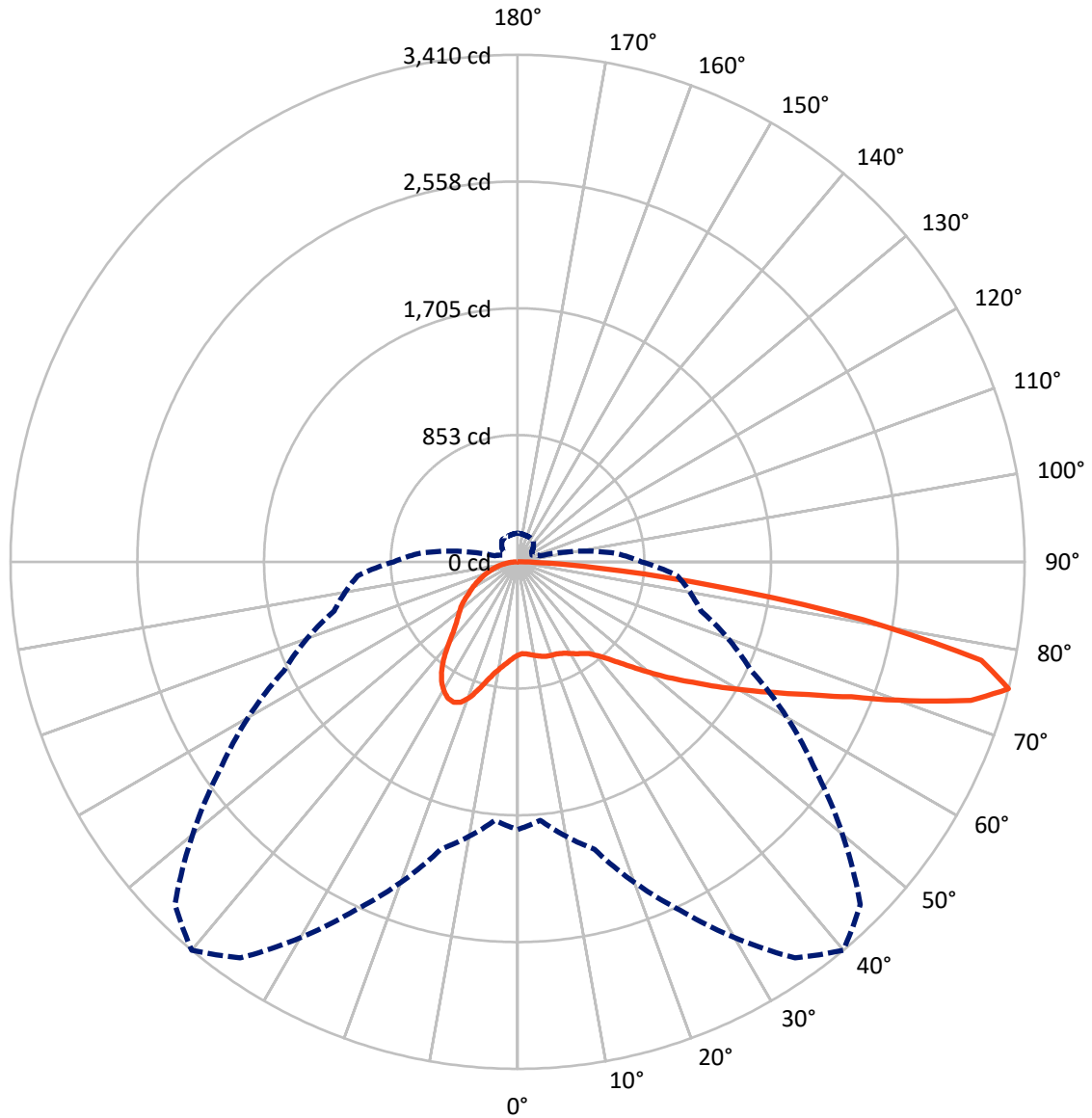
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	1697.6	0.0	1697.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	3781.4	0.0	3781.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	5479.0	0.0	5479.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	1.1
10°-20°	210.0	3.8
20°-30°	383.4	7.0
30°-40°	543.8	9.9
40°-50°	734.2	13.4
50°-60°	987.7	18.0
60°-70°	1253.7	22.9
70°-80°	1137.8	20.8
80°-90°	165.9	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°	5479.0	100.0
0°-180°	5479.0	100.0

Coefficient of Utilization

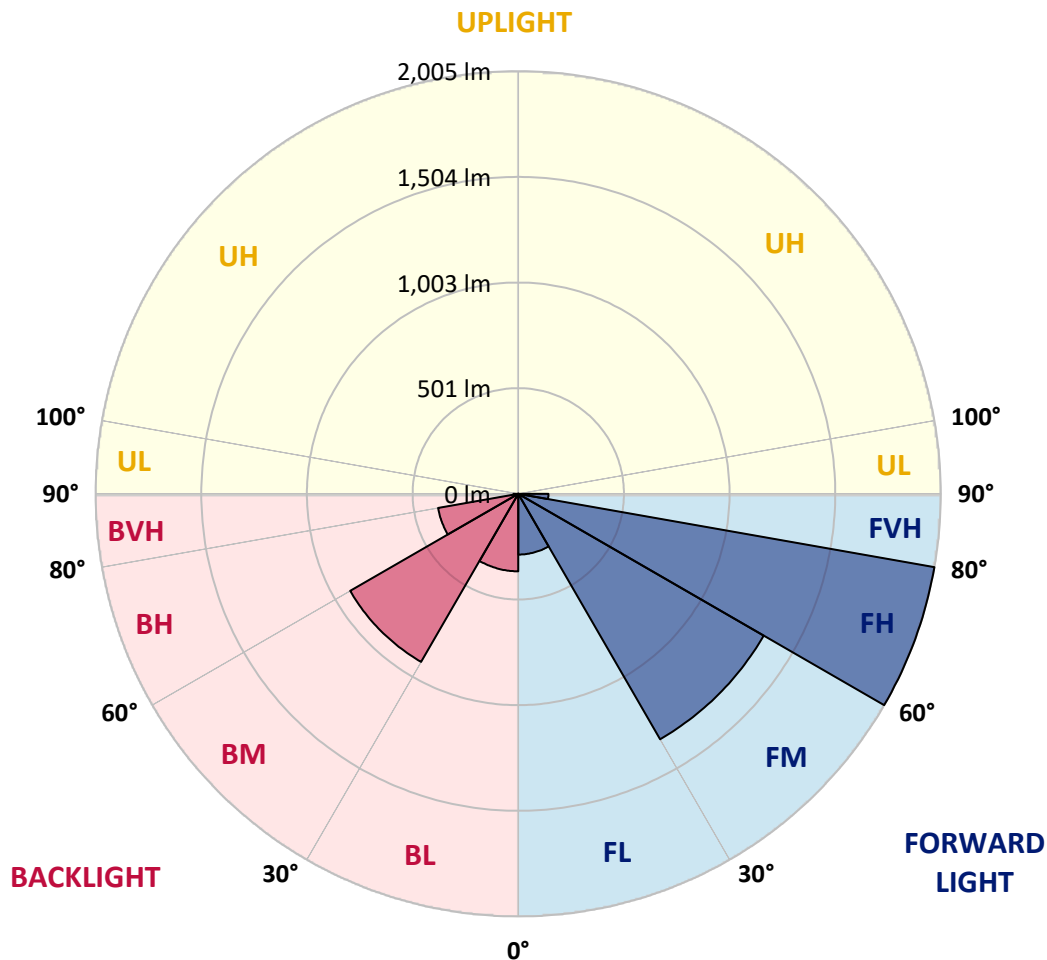


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	288.2	5.3			
FM (30°-60°)	1345.0	24.5			
FH (60°-80°)	2005.2	36.6			G2/5000
FVH (80°-90°)	143.0	2.6			G2/225
BL (0°-30°)	367.7	6.7	B1/500		
BM (30°-60°)	920.8	16.8	B1/1000		
BH (60°-80°)	386.3	7.0	B1/500		G1/500
BVH (80°-90°)	22.8	0.4			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	626.5	626.5	626.5	626.5	626.5	626.5	626.5	626.5	626.5	626.5
2.5°	616.9	620.4	619.6	618.4	618.4	618.7	618.4	620.4	622.5	624.5
5°	623.3	626.8	625.1	623.6	622.5	622.2	621.3	621.0	622.2	624.8
7.5°	635.8	639.3	636.7	634.1	631.8	630.6	629.4	627.7	626.8	628.3
10°	649.8	653.3	650.1	645.4	641.6	640.2	639.0	637.3	636.1	637.0
12.5°	663.7	667.2	662.9	656.5	651.5	650.7	649.2	648.6	648.3	648.0
15°	676.8	679.7	674.2	666.6	661.4	659.9	658.5	659.4	660.8	662.6
17.5°	687.0	689.9	681.7	671.9	666.9	666.3	665.5	668.4	672.4	676.8
20°	696.3	699.2	688.7	675.4	669.5	669.5	669.8	675.9	681.7	688.1
22.5°	709.4	711.7	698.9	680.6	672.2	672.7	675.1	681.2	688.4	697.1
25°	728.8	730.6	714.9	690.5	680.9	682.6	684.7	687.6	694.5	704.7
27.5°	760.2	761.7	741.0	707.9	693.4	696.3	699.2	697.1	700.3	709.1
30°	804.4	805.2	779.1	735.2	714.6	716.0	716.6	708.2	702.1	709.1
32.5°	856.7	856.4	825.3	768.3	738.7	737.2	732.3	715.7	701.5	707.6
35°	937.8	934.6	894.5	814.8	766.0	757.0	745.4	724.2	704.4	706.2
37.5°	1072.0	1062.1	1006.6	891.0	806.7	783.7	766.6	737.8	710.8	705.6
40°	1223.4	1210.9	1149.9	995.3	867.7	830.8	803.2	757.3	721.3	708.2
42.5°	1403.0	1385.3	1319.6	1118.2	945.0	891.6	850.0	782.0	736.7	716.6
45°	1623.6	1600.0	1507.0	1256.8	1042.4	971.2	915.7	819.5	760.2	732.9
47.5°	1846.5	1852.3	1720.1	1415.5	1159.2	1069.4	997.9	875.9	794.5	759.0
50°	2083.3	2087.4	1931.9	1591.3	1291.7	1180.4	1090.3	938.9	842.2	796.2
52.5°	2268.1	2268.7	2124.3	1775.3	1429.7	1302.5	1190.0	1011.0	897.4	845.6
55°	2383.8	2382.3	2259.1	1949.3	1588.4	1430.6	1300.4	1092.9	964.8	903.8
57.5°	2467.8	2463.4	2352.1	2099.0	1757.5	1582.0	1425.4	1185.9	1044.4	972.9
60°	2499.7	2497.1	2415.2	2228.3	1935.4	1749.4	1569.5	1290.0	1134.8	1054.6
62.5°	2511.9	2516.9	2477.1	2353.6	2125.7	1934.8	1727.9	1414.3	1236.5	1147.0
65°	2554.9	2564.0	2555.8	2517.5	2340.8	2151.9	1938.0	1562.3	1347.5	1246.1
67.5°	2640.1	2649.1	2652.6	2713.6	2603.5	2422.4	2200.1	1746.5	1477.4	1349.0
70°	2638.1	2635.4	2697.0	2869.7	2932.4	2797.0	2553.5	1973.2	1632.3	1434.4
72.5°	2401.2	2380.3	2525.9	2867.9	3206.2	3188.2	2985.0	2265.5	1766.0	1444.9
75°	1801.4	1745.6	2002.8	2584.6	3251.8	3410.2	3259.4	2446.8	1734.3	1276.6
77.5°	770.4	714.3	1017.4	1913.3	2910.3	3187.9	3007.7	2134.7	1384.4	844.2
80°	201.7	201.4	307.5	867.4	1979.3	2354.1	2065.3	1378.6	791.0	301.6
82.5°	83.4	81.4	113.0	337.4	967.1	1321.1	1078.1	614.9	285.7	81.7
85°	31.1	30.8	54.9	116.5	341.2	544.9	394.3	157.2	71.2	39.8
87.5°	8.7	8.4	11.9	40.4	83.1	126.1	67.4	25.9	20.1	15.7
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°
626.5	0°	626.5	626.5	626.5	626.5	626.5	626.5	626.5	626.5	626.5	626.5
627.7	2.5°	628.6	630.0	632.6	634.7	637.3	640.2	644.3	646.9	649.5	651.2
629.1	5°	631.2	634.4	641.1	647.7	655.6	662.9	671.3	677.4	682.3	683.8
634.4	7.5°	637.0	642.2	653.6	664.9	677.4	689.3	701.5	712.0	720.4	723.6
643.7	10°	647.2	654.1	670.1	686.1	702.7	721.0	736.7	751.8	763.7	768.6
654.7	12.5°	659.9	668.7	689.6	711.7	734.6	759.9	780.3	798.9	813.7	820.4
670.1	15°	676.5	687.8	714.6	744.2	777.9	813.1	839.0	859.6	876.2	884.3
686.1	17.5°	694.5	709.6	743.4	788.1	836.3	882.5	912.8	927.9	945.0	952.9
700.9	20°	712.0	730.6	778.8	843.9	908.1	957.2	981.6	985.7	986.9	987.7
714.9	22.5°	730.0	755.0	823.3	914.2	983.1	1017.1	1020.6	1003.1	978.7	967.4
728.5	25°	749.7	782.9	881.4	991.8	1047.6	1051.7	1024.9	982.5	936.3	915.1
739.6	27.5°	768.9	815.1	951.1	1065.9	1094.1	1058.4	1000.8	940.7	884.9	862.5
747.4	30°	788.1	852.0	1028.1	1130.7	1115.3	1041.8	962.8	895.6	839.5	816.0
754.4	32.5°	807.6	895.0	1116.8	1177.5	1111.5	1006.6	915.4	845.1	795.7	771.0
760.5	35°	829.7	947.9	1200.8	1203.1	1086.3	954.9	852.9	784.6	741.6	721.8
767.8	37.5°	858.4	1015.1	1274.9	1209.5	1042.1	879.1	775.3	713.1	677.7	668.7
778.5	40°	894.2	1095.8	1331.5	1199.3	976.7	786.9	690.5	640.8	620.7	622.8
793.0	42.5°	940.7	1186.2	1371.3	1173.1	885.7	691.9	616.1	594.0	603.6	611.7
814.8	45°	1001.1	1280.1	1396.0	1128.7	782.9	611.4	572.2	577.4	584.7	585.6
850.0	47.5°	1078.4	1375.1	1412.3	1061.6	678.0	554.8	544.3	545.5	544.0	537.9
902.6	50°	1174.9	1467.5	1426.8	972.6	588.8	519.3	505.4	501.3	481.2	461.5
972.6	52.5°	1284.7	1552.4	1432.9	862.2	519.3	489.7	467.0	441.4	403.9	397.8
1060.7	55°	1406.8	1630.8	1417.3	726.5	460.9	451.6	417.3	386.5	382.4	377.2
1176.6	57.5°	1552.7	1715.4	1385.3	575.1	401.0	407.1	373.7	377.2	369.9	361.8
1325.7	60°	1712.2	1802.9	1329.2	437.1	339.1	351.6	362.4	362.1	360.1	353.4
1482.9	62.5°	1855.8	1860.4	1218.8	334.8	284.8	308.6	338.0	337.7	335.9	332.2
1647.1	65°	1941.2	1851.7	1034.5	263.6	240.0	273.2	304.8	307.2	307.5	307.2
1770.6	67.5°	1926.1	1749.7	781.7	209.8	203.1	237.1	272.0	275.2	277.5	278.1
1786.3	70°	1755.2	1525.6	509.7	167.4	170.3	205.5	240.9	244.1	246.1	248.5
1550.1	72.5°	1368.1	1121.7	291.8	135.4	141.5	178.1	210.1	213.9	215.0	219.4
1078.7	75°	833.7	659.7	157.5	106.6	116.2	152.3	179.6	183.9	186.0	191.2
529.8	77.5°	396.4	285.7	89.8	83.1	93.6	124.4	151.7	156.6	151.1	154.0
146.2	80°	134.0	106.1	56.7	63.4	71.5	97.1	121.5	126.4	114.8	114.2
48.5	82.5°	46.8	43.0	36.0	42.1	46.2	69.5	91.8	98.2	85.4	85.1
21.8	85°	18.3	17.4	20.1	23.0	27.6	42.7	60.4	63.6	52.6	42.4
6.4	87.5°	3.8	4.1	4.9	5.2	8.4	14.8	21.8	26.7	21.2	18.0
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°
626.5
650.1
684.4
723.9
768.9
820.4
883.7
952.6
990.1
970.6
918.3
865.1
818.6
774.2
726.2
675.1
629.7
619.3
591.4
542.5
464.1
399.9
378.1
360.3
351.0
330.7
307.2
278.7
249.6
221.1
191.8
151.7
113.0
81.1
41.8
16.6
0.0

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