

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: P846206

Luminaire Tested: **GLAN-SB1D-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846206
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7887 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

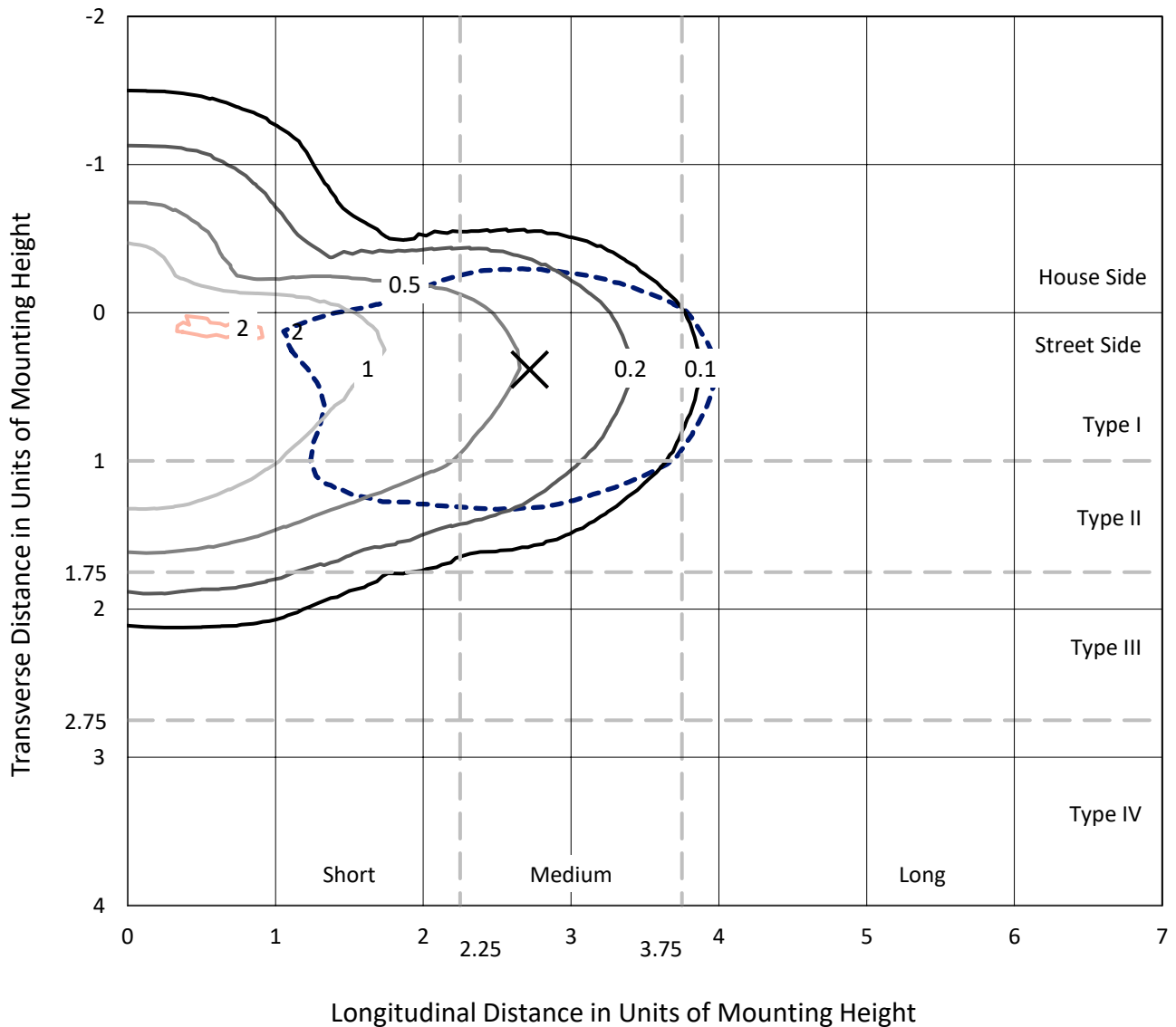
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

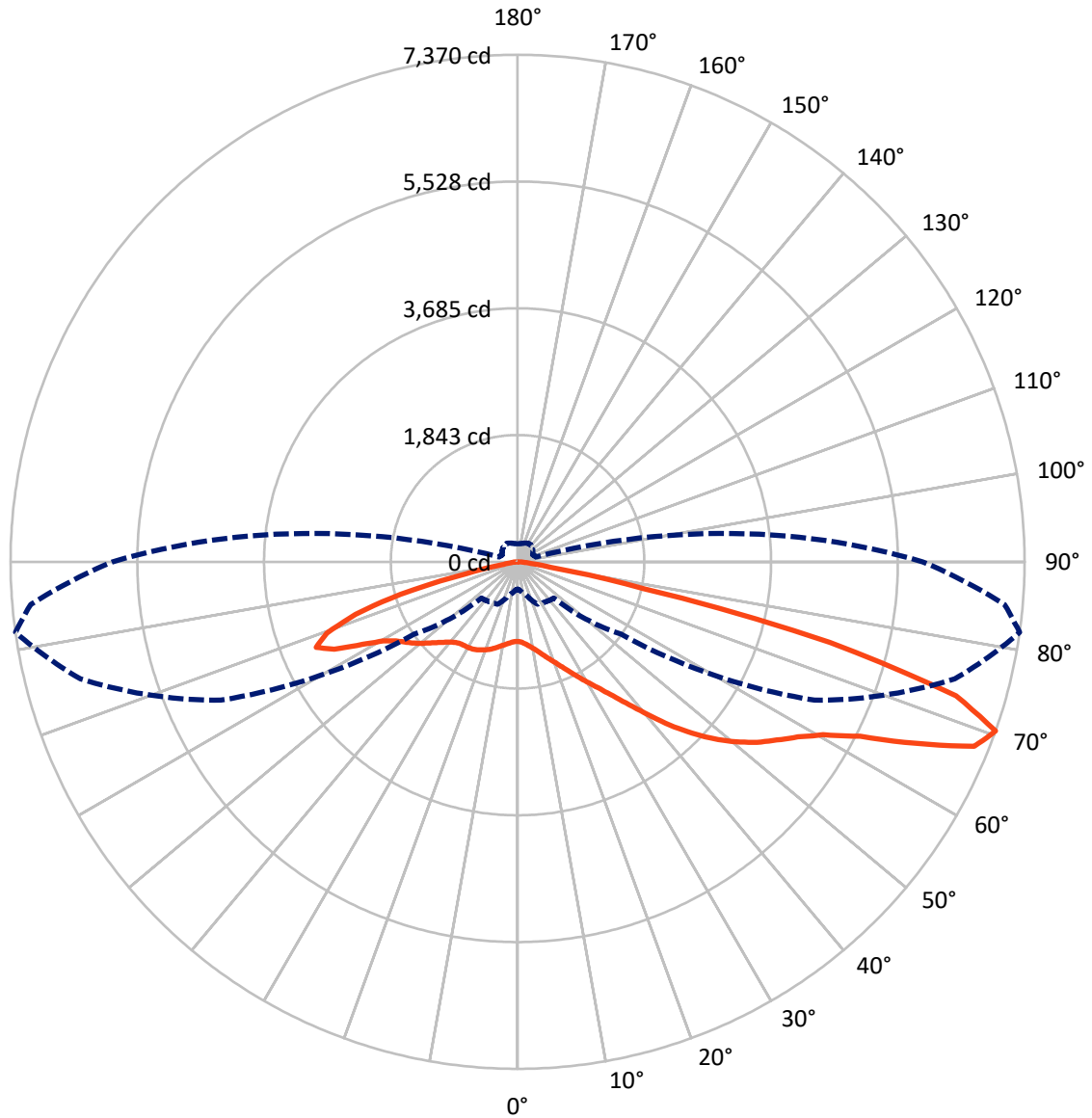
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1944.3	0.0	1944.3
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5942.7	0.0	5942.7
	% Fixture	75.3	0.0	75.3
Total	Lumens	7887.0	0.0	7887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.2	1.4
10°-20°	313.7	4.0
20°-30°	524.7	6.7
30°-40°	819.8	10.4
40°-50°	1305.6	16.6
50°-60°	1816.9	23.0
60°-70°	1900.6	24.1
70°-80°	993.3	12.6
80°-90°	103.1	1.3
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°	7887.0	100.0
0°-180°	7887.0	100.0

Coefficient of Utilization

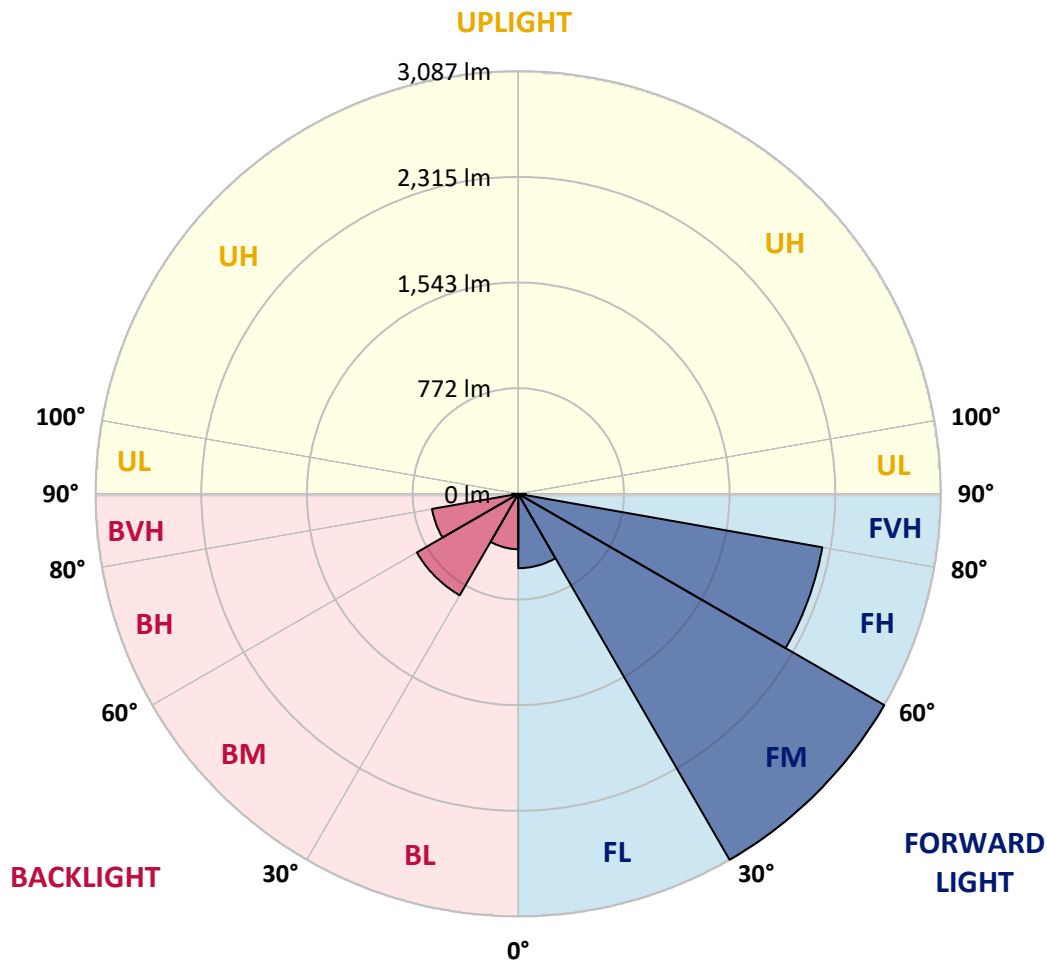


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	543.1	6.9			
FM (30°-60°)	3086.9	39.1			
FH (60°-80°)	2254.9	28.6			G2/5000
FVH (80°-90°)	57.7	0.7			G1/100
BL (0°-30°)	404.5	5.1	B1/500		
BM (30°-60°)	855.4	10.8	B1/1000		
BH (60°-80°)	639.0	8.1	B2/1000		G2/1000
BVH (80°-90°)	45.4	0.6			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1156.3	1156.3	1156.3	1156.3	1156.3	1156.3	1156.3	1156.3	1156.3	1156.3
2.5°	1184.0	1190.7	1188.6	1186.5	1186.5	1183.5	1183.1	1178.9	1175.6	1170.1
5°	1199.0	1206.1	1205.3	1207.0	1212.4	1213.7	1214.9	1212.4	1205.7	1199.0
7.5°	1185.6	1193.6	1196.1	1206.1	1222.9	1237.9	1249.2	1253.8	1247.6	1237.9
10°	1140.4	1149.2	1158.0	1181.9	1211.6	1247.1	1277.3	1295.3	1294.0	1284.8
12.5°	1048.8	1058.0	1076.8	1123.3	1177.7	1240.5	1296.5	1334.2	1347.2	1340.5
15°	975.5	983.5	997.7	1045.4	1116.2	1211.6	1303.6	1376.9	1409.9	1406.2
17.5°	973.4	976.8	985.6	1008.2	1062.6	1166.4	1296.1	1418.7	1481.9	1481.5
20°	1010.3	1011.5	1016.6	1021.2	1052.1	1132.1	1276.9	1453.5	1562.7	1562.7
22.5°	1061.3	1060.5	1065.5	1061.3	1076.4	1129.1	1264.7	1484.0	1652.7	1659.4
25°	1137.9	1133.7	1132.5	1122.9	1125.8	1156.3	1278.1	1518.8	1759.4	1773.2
27.5°	1240.0	1233.3	1228.7	1206.6	1199.0	1212.4	1319.1	1560.6	1878.3	1902.1
30°	1373.1	1361.0	1354.3	1315.8	1288.6	1290.7	1381.1	1616.3	2002.6	2041.1
32.5°	1554.8	1535.9	1517.9	1454.7	1404.9	1388.6	1461.0	1693.3	2137.3	2198.8
35°	1758.1	1743.1	1723.8	1626.3	1549.7	1512.1	1569.0	1800.8	2295.1	2392.6
37.5°	1954.0	1941.0	1950.2	1818.8	1720.1	1665.2	1710.4	1945.2	2489.7	2633.7
40°	2156.6	2146.5	2147.8	2022.2	1907.1	1845.6	1882.0	2126.4	2712.8	2920.3
42.5°	2376.7	2369.2	2344.1	2232.7	2103.4	2046.1	2079.6	2335.7	2952.1	3246.8
45°	2623.2	2618.6	2595.2	2467.5	2319.4	2254.9	2300.1	2566.7	3192.8	3554.0
47.5°	2836.2	2840.0	2837.1	2729.5	2575.9	2481.3	2535.3	2807.8	3416.7	3842.7
50°	2938.8	2958.4	2987.3	2953.8	2858.4	2762.1	2772.6	3040.4	3630.1	4113.5
52.5°	2885.2	2922.4	3001.1	3054.7	3091.5	3071.4	3043.4	3271.5	3831.0	4357.9
55°	2685.6	2737.9	2868.4	2997.8	3185.7	3331.7	3368.6	3527.6	4026.9	4573.0
57.5°	2321.9	2406.8	2524.0	2785.6	3102.0	3457.7	3747.7	3882.9	4234.4	4802.8
60°	1698.3	1812.1	1957.8	2347.0	2809.0	3390.3	4070.4	4428.6	4529.5	5100.3
62.5°	1086.9	1157.2	1291.1	1657.7	2188.8	3045.1	4169.2	5110.8	5029.6	5588.3
65°	744.1	789.3	911.9	1117.8	1415.0	2266.6	3904.7	5622.2	5823.9	6361.7
67.5°	540.7	575.0	679.7	860.0	922.0	1341.3	3030.0	5598.8	6596.1	7158.5
70°	394.2	418.5	506.4	679.7	709.4	746.2	1835.6	4759.3	6579.3	7370.3
72.5°	292.1	308.9	367.9	527.3	574.2	503.9	908.6	3459.0	5653.6	6666.4
75°	211.3	223.9	267.4	403.4	459.5	383.8	453.2	2021.4	3943.6	4689.4
77.5°	161.5	171.2	199.6	295.5	367.9	287.9	281.2	929.9	1869.9	1879.1
80°	129.7	136.0	151.5	208.0	282.1	215.5	183.3	375.4	590.9	500.1
82.5°	95.4	105.9	128.1	146.1	201.7	148.6	111.7	189.6	224.7	193.3
85°	54.4	61.5	77.4	104.6	128.9	90.8	64.0	84.1	104.6	85.8
87.5°	19.3	25.1	27.2	41.0	56.1	37.7	24.7	24.3	34.3	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°
1156.3	0°	1156.3	1156.3	1156.3	1156.3	1156.3	1156.3	1156.3	1156.3	1156.3	1156.3
1168.9	2.5°	1164.7	1162.6	1154.2	1142.9	1131.2	1119.9	1116.2	1108.2	1102.8	1099.8
1196.1	5°	1188.1	1181.4	1161.8	1136.7	1110.3	1081.8	1061.8	1043.3	1029.9	1017.4
1233.3	7.5°	1221.6	1209.9	1176.0	1132.1	1085.2	1037.9	1002.7	976.0	958.0	946.2
1276.9	10°	1260.5	1242.5	1190.7	1124.9	1052.5	984.7	943.3	920.3	909.0	902.7
1326.7	12.5°	1305.3	1279.8	1205.7	1108.6	1002.7	925.3	896.9	890.2	890.6	891.0
1389.4	15°	1360.6	1325.0	1217.9	1073.1	937.9	879.7	874.7	885.6	896.9	902.3
1460.6	17.5°	1422.9	1372.7	1219.9	1014.5	874.3	850.4	866.3	889.7	906.9	914.4
1540.1	20°	1489.9	1421.2	1204.9	931.6	821.9	826.5	855.0	885.1	904.0	913.6
1630.9	22.5°	1566.5	1473.1	1168.9	844.5	779.3	800.6	834.1	863.4	883.0	892.7
1737.6	25°	1653.9	1531.3	1112.4	771.3	742.4	771.3	804.8	829.1	845.0	853.8
1856.9	27.5°	1751.0	1592.0	1037.1	713.1	710.2	741.2	768.8	787.6	796.0	802.7
1983.7	30°	1848.5	1647.2	945.8	669.2	682.2	711.5	731.1	739.5	742.0	743.3
2125.2	32.5°	1954.0	1695.0	850.0	632.8	655.4	682.6	694.3	698.1	686.4	678.4
2296.8	35°	2081.7	1746.0	756.2	603.9	629.0	652.5	656.2	652.9	639.1	622.7
2511.9	37.5°	2239.4	1809.6	681.3	583.4	604.3	619.8	615.2	614.4	615.6	596.4
2770.5	40°	2432.8	1892.5	626.5	567.5	584.2	587.6	574.6	581.7	588.0	558.7
3054.3	42.5°	2647.5	1992.5	591.8	556.6	567.5	559.5	539.5	547.4	546.6	508.1
3339.3	45°	2866.3	2101.3	579.6	548.7	552.0	536.1	513.9	516.0	498.4	463.7
3612.5	47.5°	3084.0	2218.1	587.2	542.0	532.8	514.8	497.6	488.4	462.4	436.5
3874.5	50°	3297.4	2340.7	614.8	528.6	506.4	495.9	483.4	467.1	439.4	417.3
4122.3	52.5°	3495.4	2464.2	645.8	506.4	473.3	479.6	471.7	452.8	425.6	403.0
4356.7	55°	3682.9	2587.6	657.9	475.8	442.4	465.4	460.8	426.0	393.4	375.0
4601.9	57.5°	3887.1	2736.2	644.5	436.9	417.3	449.1	431.5	393.0	374.1	360.3
4921.2	60°	4170.0	2969.3	615.6	388.8	393.4	424.8	394.7	378.7	358.2	342.8
5400.0	62.5°	4640.0	3404.1	569.2	341.1	365.4	388.8	377.1	361.2	340.2	325.2
6218.6	65°	5334.7	4008.5	481.7	303.8	334.0	353.6	358.2	342.3	320.6	304.7
6935.9	67.5°	5920.6	4387.6	364.5	272.9	301.7	325.2	338.2	322.7	299.7	284.2
7103.7	70°	5888.4	4112.2	278.3	242.3	273.3	297.1	313.9	301.7	277.1	262.4
6452.5	72.5°	5230.1	3440.1	225.2	211.3	244.4	267.8	287.9	278.7	253.6	239.4
4727.0	75°	3842.3	2442.0	180.0	180.0	208.4	237.3	259.5	253.6	230.6	220.6
1984.6	77.5°	1619.6	1024.5	141.0	149.4	173.3	203.8	231.4	233.5	213.4	226.0
524.8	80°	430.6	282.5	107.6	117.6	136.0	168.2	201.3	200.5	178.7	167.0
195.0	82.5°	164.1	111.3	76.6	82.9	98.3	128.9	159.5	164.5	142.7	123.5
76.6	85°	63.2	47.7	47.3	49.8	57.3	85.4	120.5	124.7	107.6	91.2
21.3	87.5°	16.3	14.2	17.6	16.7	26.4	45.6	69.1	71.6	65.7	38.1
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°
1156.3
1103.2
1022.4
948.8
904.4
891.8
901.9
916.1
916.1
895.2
856.3
805.2
746.2
680.9
623.6
597.6
559.5
507.6
465.0
436.5
415.6
403.4
373.3
359.1
341.9
325.2
305.5
284.6
263.7
239.4
217.6
205.1
155.3
123.5
94.2
54.4
0.0

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