

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: P847185

Luminaire Tested: **GLAN-SB3A-930-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847185
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3A-930-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6630 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

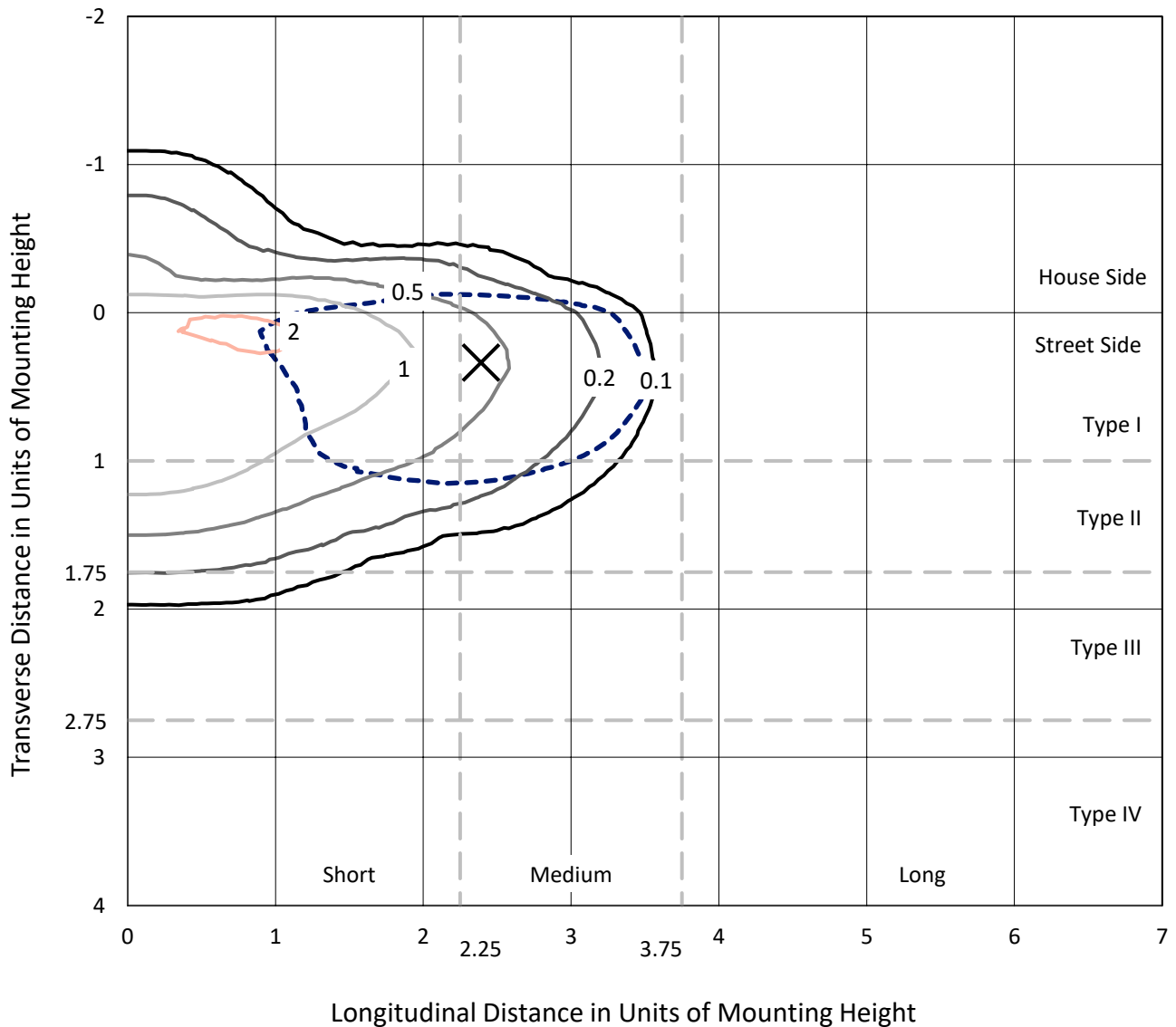
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

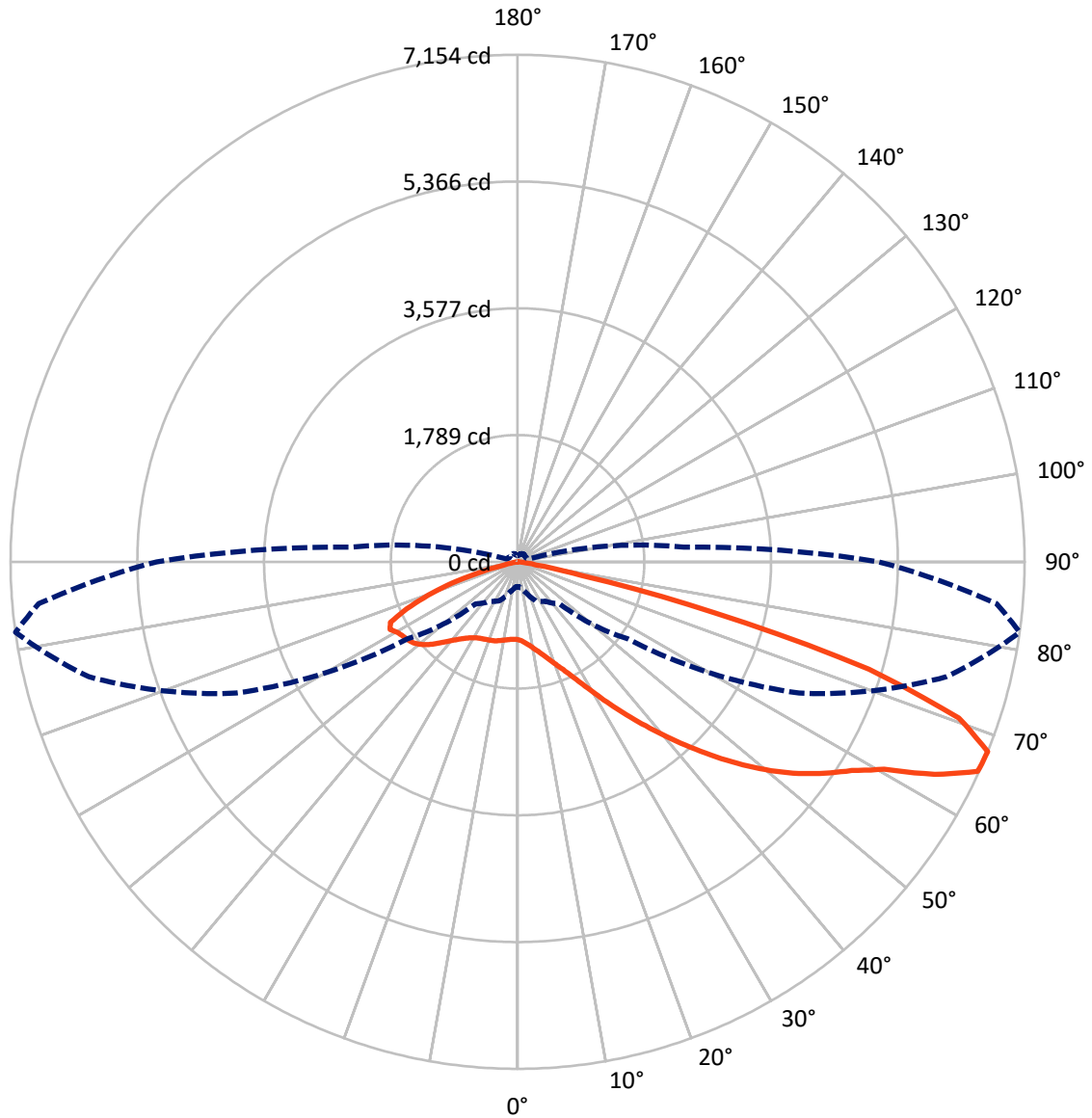
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1201.0	0.0	1201.0
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	5429.0	0.0	5429.0
	% Fixture	81.9	0.0	81.9
Total	Lumens	6630.0	0.0	6630.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.9	1.5
10°-20°	254.3	3.8
20°-30°	407.3	6.1
30°-40°	720.2	10.9
40°-50°	1261.9	19.0
50°-60°	1683.0	25.4
60°-70°	1566.8	23.6
70°-80°	601.3	9.1
80°-90°	37.3	0.6
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°	6630.0	100.0
0°-180°	6630.0	100.0

Coefficient of Utilization

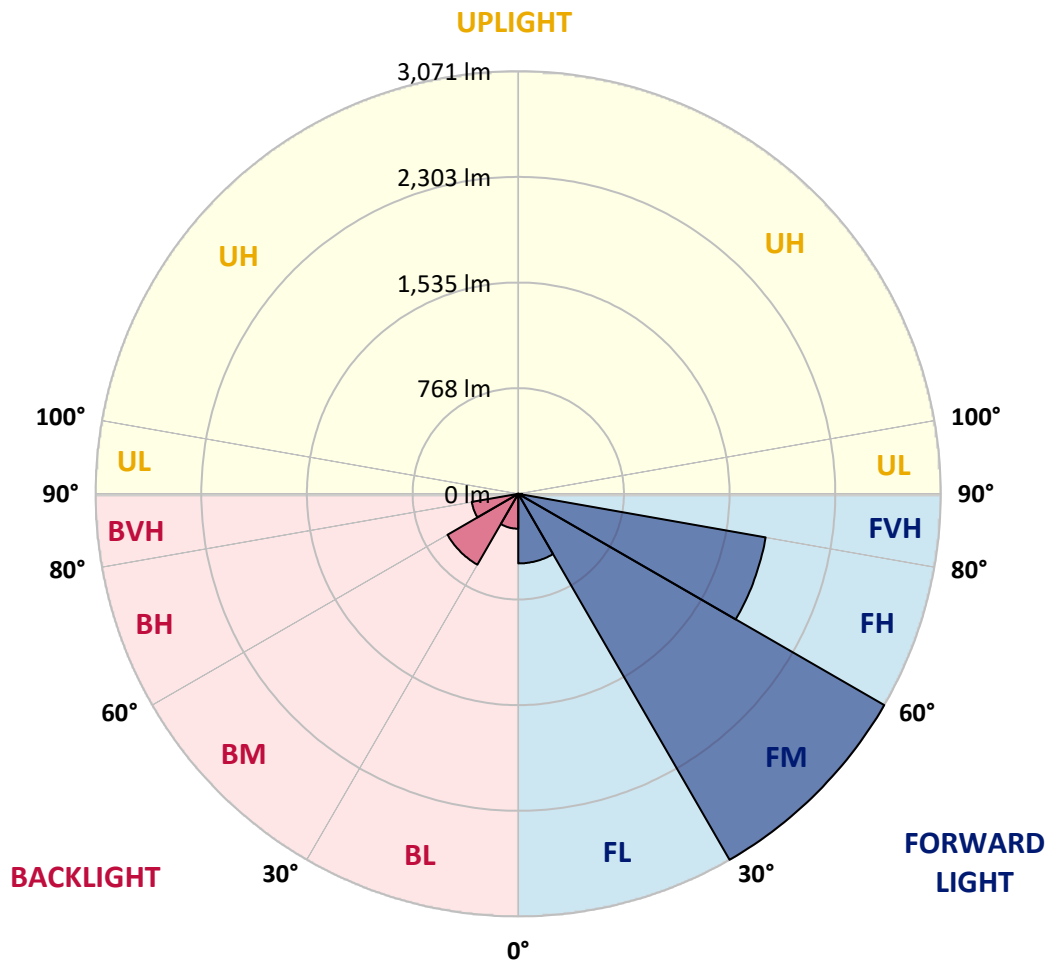


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	505.8	7.6			
FM (30°-60°)	3070.7	46.3			
FH (60°-80°)	1825.3	27.5			G2/5000
FVH (80°-90°)	27.2	0.4			G1/100
BL (0°-30°)	253.6	3.8	B1/500		
BM (30°-60°)	594.4	9.0	B1/1000		
BH (60°-80°)	342.8	5.2	B1/500		G1/500
BVH (80°-90°)	10.2	0.2			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 II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	1098.4	1098.4	1098.4	1098.4	1098.4	1098.4	1098.4	1098.4	1098.4	1098.4
2.5°	1160.9	1167.6	1163.8	1161.9	1158.5	1153.7	1149.9	1138.0	1125.6	1117.5
5°	1184.3	1191.0	1190.5	1192.4	1194.8	1196.2	1195.3	1181.9	1164.2	1150.4
7.5°	1164.2	1171.9	1178.1	1187.6	1204.3	1222.0	1230.6	1227.7	1209.6	1190.5
10°	1107.4	1115.6	1130.3	1152.8	1188.1	1226.3	1258.3	1273.1	1261.6	1240.6
12.5°	1003.4	1011.5	1040.6	1089.3	1148.5	1214.8	1275.9	1315.6	1318.4	1297.4
15°	886.4	894.5	925.6	986.7	1076.9	1183.3	1285.5	1360.4	1385.7	1367.6
17.5°	813.9	821.0	844.4	893.6	987.6	1120.3	1282.1	1408.2	1465.9	1451.6
20°	791.9	798.1	809.1	843.5	921.7	1054.9	1260.2	1453.0	1552.3	1544.2
22.5°	815.3	821.0	824.4	839.6	888.8	1012.0	1232.5	1498.9	1652.6	1653.5
25°	869.2	875.0	871.2	880.7	902.2	998.6	1222.0	1552.8	1778.6	1789.1
27.5°	958.0	958.5	949.4	949.0	952.3	1018.7	1233.0	1610.6	1937.5	1957.1
30°	1136.1	1128.9	1094.1	1056.4	1039.2	1078.8	1263.5	1678.8	2125.1	2160.0
32.5°	1410.5	1400.0	1336.1	1245.9	1155.2	1175.7	1318.4	1756.6	2329.4	2392.4
35°	1708.4	1705.5	1638.7	1504.6	1346.1	1313.6	1407.7	1858.8	2552.4	2652.6
37.5°	1985.3	1983.8	1945.7	1787.7	1594.8	1506.0	1550.9	1992.4	2791.0	2936.1
40°	2238.3	2242.6	2204.4	2063.1	1868.8	1752.8	1745.6	2157.6	3056.4	3245.0
42.5°	2456.9	2461.7	2423.0	2318.5	2139.5	2025.8	1984.8	2360.0	3315.6	3576.7
45°	2605.3	2634.9	2629.2	2545.7	2417.3	2299.4	2272.2	2613.9	3611.1	3928.5
47.5°	2647.3	2674.6	2717.5	2729.0	2650.7	2534.7	2567.2	2919.9	3909.9	4280.8
50°	2543.8	2569.1	2658.3	2777.2	2831.6	2795.8	2854.0	3247.8	4215.9	4632.1
52.5°	2339.5	2365.2	2477.9	2666.0	2887.9	3000.6	3141.9	3571.0	4512.3	4964.8
55°	2044.0	2071.2	2215.8	2428.7	2780.5	3085.1	3382.0	3893.7	4783.9	5264.1
57.5°	1642.1	1662.1	1812.5	2110.3	2510.3	3001.1	3559.1	4246.0	5039.8	5558.2
60°	1070.2	1087.9	1262.6	1594.8	2062.6	2720.4	3594.4	4638.8	5379.7	5940.5
62.5°	711.7	723.7	827.2	1071.2	1452.6	2181.5	3387.7	4952.4	5878.0	6606.0
65°	488.3	500.3	603.8	773.8	938.5	1443.0	2793.4	4910.9	6329.6	7134.4
67.5°	348.5	358.5	446.3	606.7	679.3	838.2	1893.6	4380.1	6264.7	7154.4
70°	249.7	255.4	327.9	472.6	539.9	503.6	1053.0	3350.0	5485.2	6606.4
72.5°	174.7	176.6	227.7	359.9	434.9	367.6	501.2	2233.5	4148.6	5185.4
75°	118.4	120.8	153.2	264.0	348.9	280.7	265.4	1197.7	2435.4	2870.3
77.5°	72.6	73.5	98.8	180.4	261.1	213.8	170.9	507.4	942.3	925.1
80°	41.1	41.1	63.0	112.2	178.0	138.0	119.8	215.8	298.3	262.1
82.5°	22.9	23.4	45.8	69.7	117.9	81.6	65.9	99.8	128.9	114.1
85°	9.5	10.5	28.2	32.9	56.3	40.6	26.7	42.0	47.7	42.5
87.5°	1.0	1.4	8.6	6.2	6.7	8.1	3.8	8.1	6.7	6.7
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°
1098.4	0°	1098.4	1098.4	1098.4	1098.4	1098.4	1098.4	1098.4	1098.4	1098.4	1098.4
1114.6	2.5°	1105.5	1098.4	1080.2	1059.2	1031.5	1018.2	1000.0	987.6	977.1	978.1
1142.3	5°	1127.0	1108.9	1068.3	1017.7	954.7	909.8	862.1	829.1	802.4	796.7
1180.5	7.5°	1156.6	1128.0	1056.8	965.7	859.2	778.5	706.5	660.2	627.2	616.7
1226.8	10°	1194.8	1153.3	1042.0	900.3	747.0	644.4	567.1	530.8	508.4	500.7
1281.2	12.5°	1239.2	1182.4	1022.5	820.6	631.5	532.7	483.5	465.4	458.2	455.9
1348.0	15°	1295.0	1218.7	992.9	726.0	533.7	464.5	443.5	441.1	442.0	441.1
1428.2	17.5°	1361.4	1258.3	944.7	628.7	467.8	429.6	422.0	423.9	426.3	425.8
1518.0	20°	1433.9	1297.4	883.1	542.3	422.9	404.8	400.5	402.4	404.3	403.4
1621.5	22.5°	1516.5	1339.4	814.8	475.0	392.9	381.9	377.1	377.6	377.6	375.7
1752.8	25°	1615.3	1385.7	743.2	427.2	369.9	361.3	355.6	353.7	350.8	345.1
1912.2	27.5°	1733.2	1434.9	674.5	393.8	351.8	343.7	337.0	332.2	325.1	315.5
2103.7	30°	1865.9	1494.6	616.3	372.8	337.5	329.4	321.7	314.6	304.1	292.1
2323.7	32.5°	2022.0	1558.5	573.8	359.0	324.6	316.0	306.9	298.3	286.9	274.9
2571.0	35°	2208.2	1635.9	548.9	349.4	314.6	303.1	293.1	283.5	274.9	264.4
2839.7	37.5°	2410.1	1718.0	541.3	344.6	307.9	290.2	278.8	272.1	271.1	264.9
3130.4	40°	2631.1	1815.3	547.0	341.8	300.7	277.8	265.4	264.0	266.4	255.4
3441.2	42.5°	2865.0	1930.9	556.6	338.4	290.7	265.4	253.5	253.5	251.6	236.3
3769.6	45°	3118.0	2064.0	566.1	330.3	278.8	253.0	243.9	240.6	232.5	217.7
4099.9	47.5°	3372.9	2199.6	573.3	315.5	264.4	242.5	234.4	226.7	214.8	201.4
4424.0	50°	3614.9	2321.3	565.7	293.6	248.2	232.5	223.9	213.4	200.5	191.4
4730.9	52.5°	3831.2	2426.8	533.2	267.8	231.0	222.0	214.3	203.3	192.8	183.3
5007.8	55°	4019.2	2512.3	475.9	243.4	215.8	212.9	205.3	191.4	177.1	169.0
5282.3	57.5°	4199.7	2577.2	404.3	223.4	201.9	202.9	191.4	179.0	165.6	157.0
5652.2	60°	4439.8	2664.1	331.8	204.8	187.1	190.0	177.6	168.5	151.8	140.8
6286.6	62.5°	4823.6	2799.1	263.5	181.9	169.9	170.9	165.6	154.7	134.6	121.7
6756.8	65°	5128.1	2749.5	207.6	157.0	150.4	151.8	151.8	139.9	118.4	103.6
6782.1	67.5°	5093.7	2354.3	165.6	132.7	131.7	132.7	136.0	126.0	105.0	93.1
6265.6	70°	4692.3	1872.6	132.7	110.3	114.6	112.2	121.7	115.0	94.5	82.6
4857.4	72.5°	3828.8	1349.0	101.2	91.2	87.8	91.6	109.8	103.6	78.8	65.4
2572.9	75°	2237.3	719.8	75.4	72.1	63.5	76.4	97.4	88.3	60.1	48.2
788.6	77.5°	728.4	251.1	55.4	53.0	47.3	61.6	83.1	74.5	49.2	38.2
231.0	80°	195.2	75.9	37.7	34.8	30.5	45.8	65.9	59.2	35.3	24.8
99.3	82.5°	78.3	32.0	22.0	19.6	16.7	31.5	52.0	47.7	26.3	15.8
31.0	85°	25.3	10.5	8.1	6.2	7.6	19.6	31.0	32.5	18.6	8.1
4.8	87.5°	3.3	1.4	1.4	1.9	1.4	3.3	9.5	9.1	5.3	1.0
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°
<hr/>
1098.4
968.5
783.8
606.2
495.0
454.4
440.6
424.8
402.9
374.7
344.2
314.6
291.2
275.4
263.5
264.4
255.9
236.3
217.2
201.0
190.0
182.3
168.0
156.1
139.4
120.8
102.2
91.2
81.1
64.0
46.8
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