

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: P852207

Luminaire Tested: **GLAN-SB2A-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7613 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

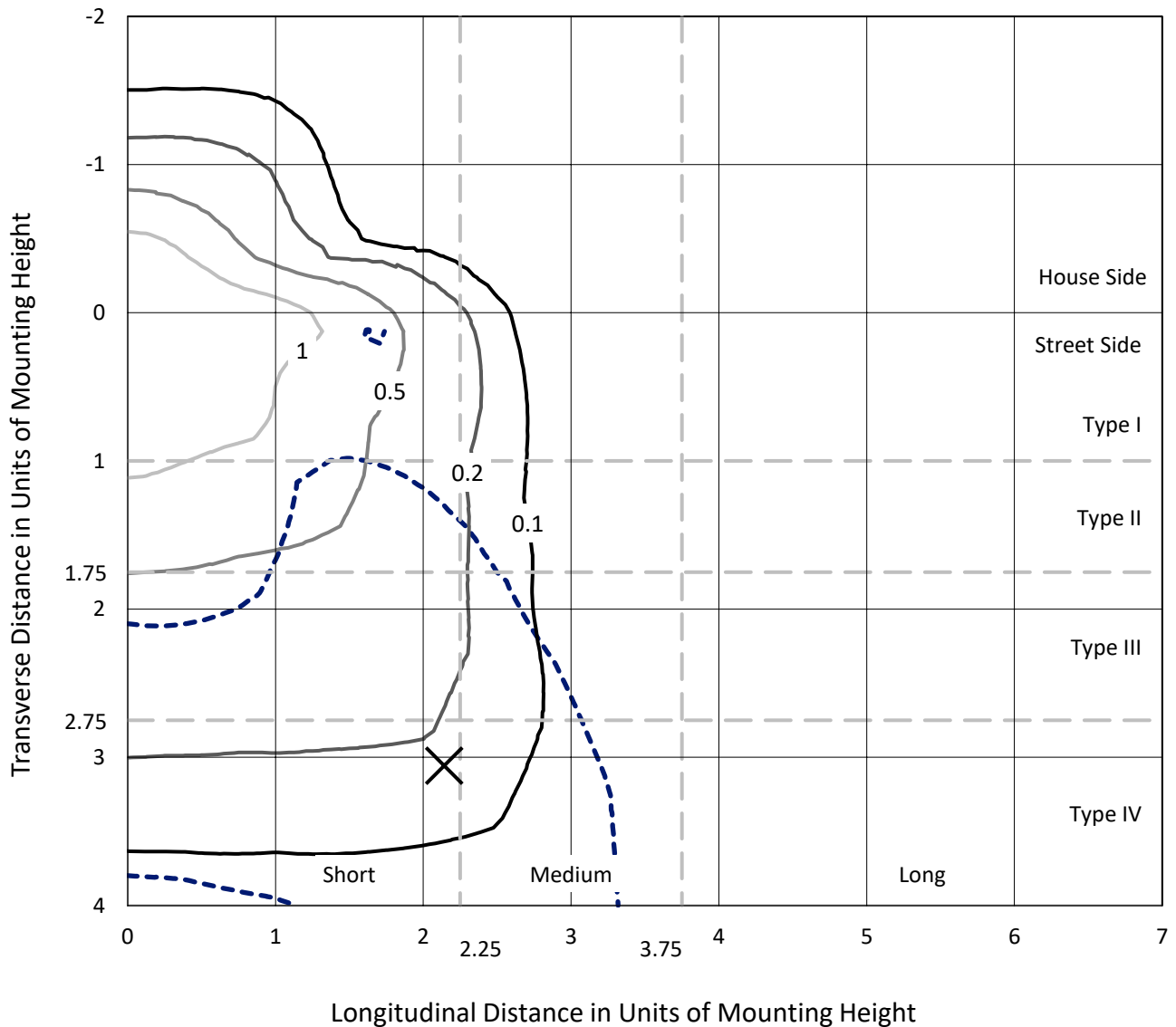
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

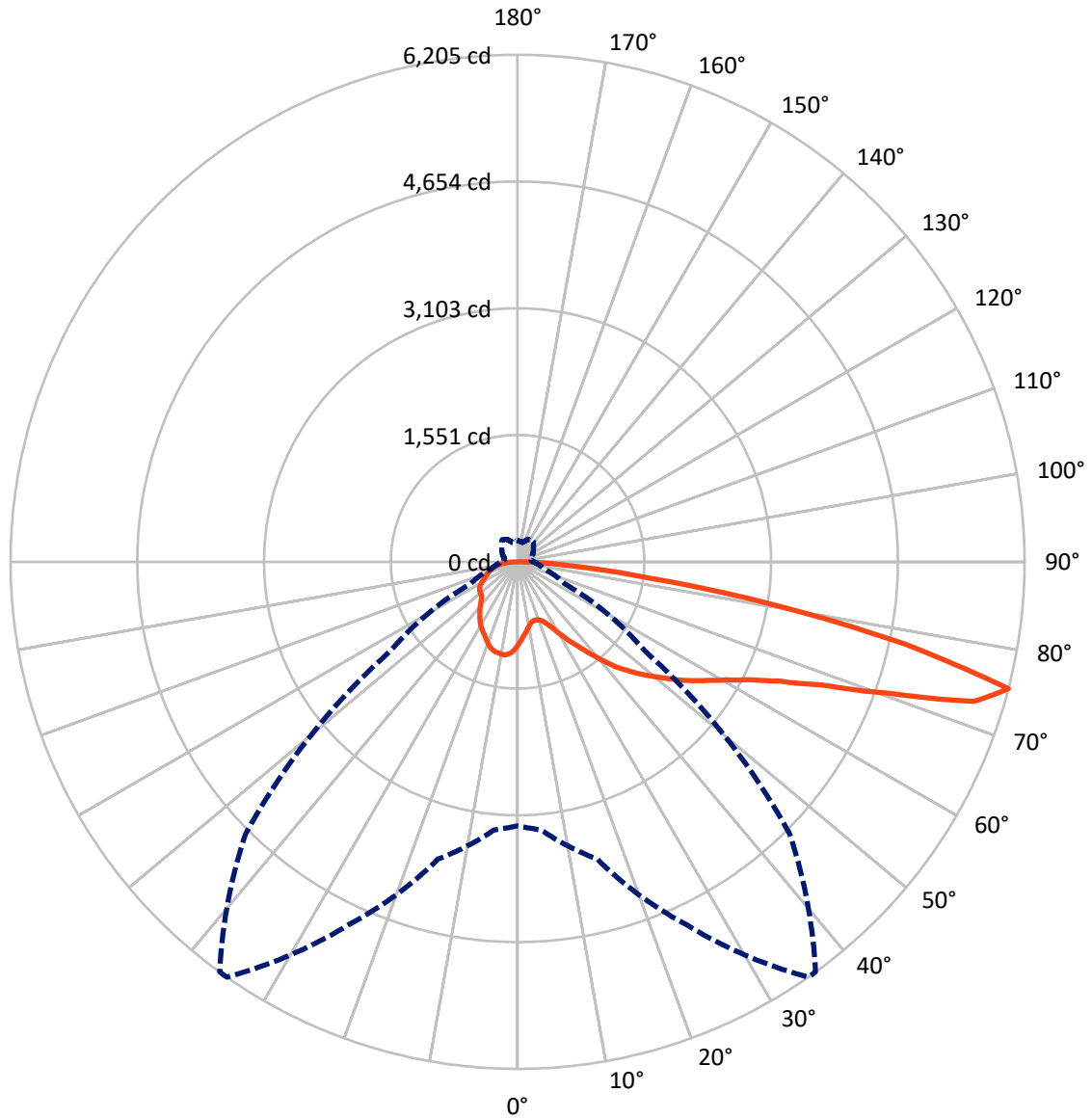
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1811.7	0.0	1811.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5801.3	0.0	5801.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	7613.0	0.0	7613.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	1.3
10°-20°	277.1	3.6
20°-30°	465.2	6.1
30°-40°	723.1	9.5
40°-50°	1073.2	14.1
50°-60°	1481.6	19.5
60°-70°	1797.6	23.6
70°-80°	1485.5	19.5
80°-90°	213.7	2.8
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°	7613.0	100.0
0°-180°	7613.0	100.0

Coefficient of Utilization

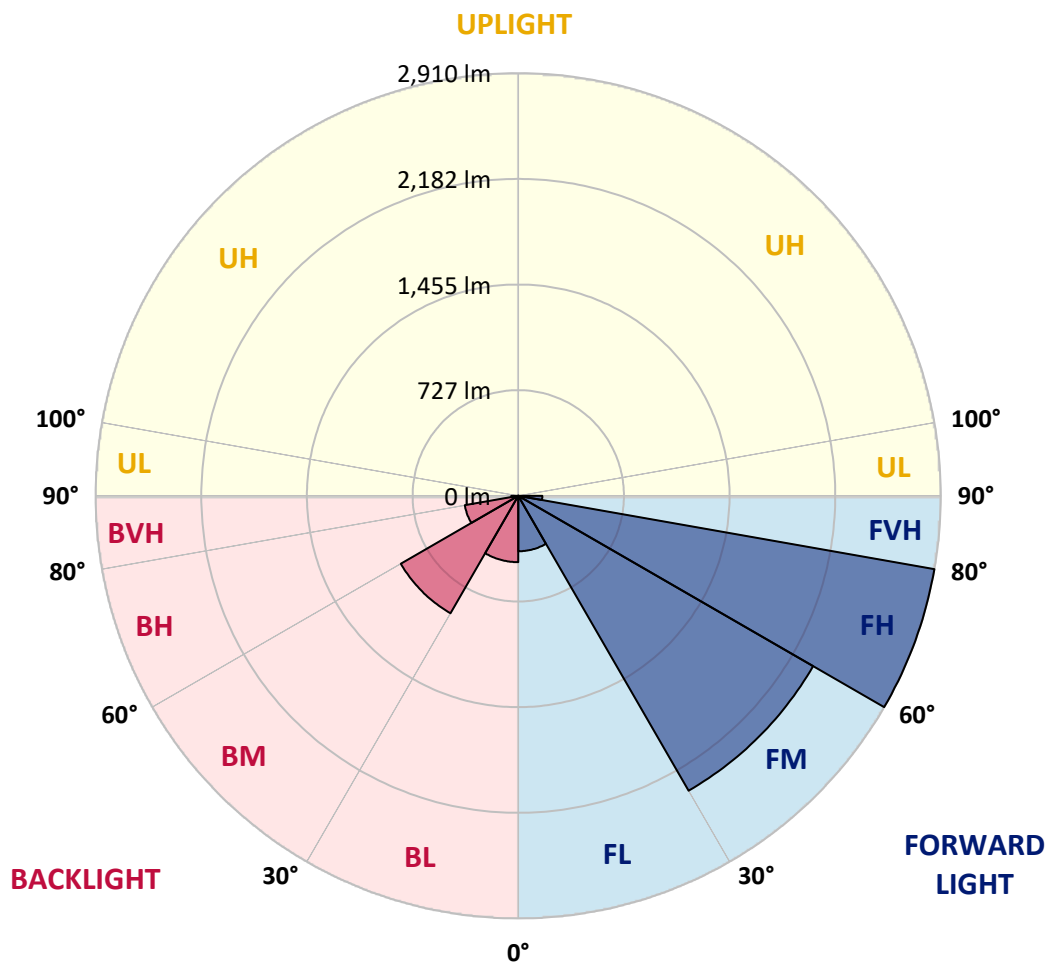


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.8	5.0			
FM (30°-60°)	2344.4	30.8			
FH (60°-80°)	2909.6	38.2			G2/5000
FVH (80°-90°)	165.6	2.2			G2/225
BL (0°-30°)	456.6	6.0	B1/500		
BM (30°-60°)	933.5	12.3	B1/1000		
BH (60°-80°)	373.5	4.9	B1/500		G1/500
BVH (80°-90°)	48.1	0.6			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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1014.5	1014.5	1014.5	1014.5	1014.5	1014.5	1014.5	1014.5	1014.5	1014.5
2.5°	935.5	941.2	943.7	942.5	948.6	947.8	956.5	967.2	982.0	996.4
5°	863.4	869.6	875.0	879.9	891.8	895.5	909.1	929.7	956.9	984.4
7.5°	796.4	801.7	809.9	819.0	839.2	842.9	865.5	897.6	935.5	975.8
10°	741.6	747.0	755.6	765.9	791.0	795.5	824.3	867.1	916.5	967.6
12.5°	718.2	719.8	724.7	735.0	756.9	759.7	791.4	840.4	898.0	961.4
15°	716.9	720.2	720.6	726.0	744.1	745.3	774.5	823.1	886.5	960.2
17.5°	729.3	731.7	728.0	731.3	746.6	748.6	771.7	814.9	882.8	965.5
20°	762.2	764.3	753.1	748.6	759.7	761.4	784.0	820.2	886.5	976.6
22.5°	832.2	833.4	806.2	787.7	788.5	789.4	809.1	842.0	900.9	996.8
25°	941.2	940.4	897.2	861.4	840.8	836.3	849.5	877.4	925.2	1023.5
27.5°	1068.8	1062.6	1019.4	965.9	921.1	914.5	911.6	923.5	959.7	1058.9
30°	1212.9	1207.1	1160.6	1090.6	1028.5	1017.8	990.6	984.4	1011.2	1107.1
32.5°	1370.9	1367.2	1311.6	1226.8	1143.7	1131.4	1085.7	1069.2	1090.2	1179.9
35°	1503.4	1500.1	1454.0	1366.8	1265.1	1249.9	1203.4	1184.9	1195.6	1273.4
37.5°	1623.2	1621.5	1582.0	1513.3	1408.3	1389.8	1337.6	1331.4	1329.3	1396.4
40°	1734.3	1730.2	1689.0	1652.8	1575.0	1558.1	1512.1	1506.7	1491.1	1547.9
42.5°	1857.3	1846.6	1787.0	1770.1	1749.1	1735.1	1707.5	1708.4	1673.8	1718.7
45°	1957.8	1951.6	1890.3	1880.4	1903.0	1897.3	1921.1	1927.3	1860.2	1897.7
47.5°	2065.6	2059.8	2008.0	2001.0	2062.3	2063.9	2148.3	2150.4	2042.1	2083.7
50°	2198.5	2190.3	2138.9	2147.5	2216.2	2222.4	2376.7	2362.7	2209.6	2272.6
52.5°	2286.2	2291.1	2280.0	2294.0	2387.8	2393.6	2601.4	2565.6	2375.5	2459.0
55°	2350.8	2360.7	2395.3	2427.4	2568.9	2574.7	2813.4	2758.7	2513.0	2631.9
57.5°	2433.9	2419.9	2484.6	2547.1	2741.0	2756.2	3019.6	2944.7	2634.8	2780.9
60°	2553.3	2543.4	2593.6	2686.2	2933.6	2957.8	3237.7	3112.2	2724.1	2899.0
62.5°	2795.3	2770.6	2778.4	2860.3	3176.4	3208.5	3483.8	3258.3	2768.5	2945.1
65°	3157.0	3114.7	3075.1	3131.9	3518.4	3550.1	3761.6	3373.1	2752.1	2855.8
67.5°	3612.6	3570.7	3522.1	3575.6	4022.1	4047.2	4104.4	3437.7	2622.4	2511.7
70°	3988.4	3972.7	4030.8	4251.0	4826.7	4827.5	4544.0	3384.2	2267.3	1780.8
72.5°	3938.6	3929.1	4234.9	4915.6	5840.8	5819.0	4960.1	2979.2	1527.3	803.4
75°	3231.1	3292.4	3766.1	4903.7	6205.0	6202.1	4705.3	1894.0	631.7	332.9
77.5°	1732.6	1829.8	2445.0	3620.5	4844.0	4916.9	3308.1	662.6	271.2	213.2
80°	565.1	649.8	974.6	1843.4	3147.6	3134.0	1417.8	260.1	185.6	151.0
82.5°	239.9	249.8	435.4	870.4	1615.4	1590.2	451.5	149.4	130.5	103.3
85°	93.8	104.9	192.2	402.5	699.6	684.4	163.0	74.1	83.5	67.5
87.5°	30.9	37.5	68.7	137.9	217.7	209.9	39.9	25.5	36.2	30.9
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°
1014.5	0°	1014.5	1014.5	1014.5	1014.5	1014.5	1014.5	1014.5	1014.5	1014.5	1014.5
1017.4	2.5°	1023.1	1029.7	1037.5	1049.1	1058.9	1067.2	1075.8	1081.2	1083.2	1089.4
1019.0	5°	1030.5	1044.9	1064.3	1083.2	1101.7	1112.8	1122.7	1127.7	1132.2	1135.5
1023.5	7.5°	1042.9	1061.4	1091.9	1116.5	1132.2	1141.2	1147.8	1146.2	1147.8	1148.7
1028.5	10°	1053.6	1079.5	1115.7	1139.2	1151.1	1151.5	1149.9	1144.1	1141.2	1141.7
1035.9	12.5°	1066.3	1095.1	1134.2	1154.0	1157.3	1148.2	1141.2	1131.4	1127.7	1126.0
1047.0	15°	1083.6	1116.5	1154.4	1161.8	1153.6	1142.1	1130.1	1114.1	1105.8	1099.3
1065.9	17.5°	1104.6	1140.8	1170.1	1164.7	1147.0	1128.1	1108.7	1084.4	1067.6	1060.6
1091.9	20°	1133.8	1166.3	1182.0	1158.5	1131.8	1103.0	1070.0	1040.4	1024.8	1017.8
1124.8	22.5°	1169.2	1200.5	1193.5	1147.8	1110.0	1063.9	1022.7	1000.9	993.1	988.1
1167.2	25°	1211.6	1238.4	1201.7	1132.2	1074.2	1012.0	980.3	973.3	969.6	965.9
1219.0	27.5°	1266.8	1281.2	1207.9	1109.1	1018.2	956.9	945.3	946.6	945.3	939.2
1291.0	30°	1339.6	1336.7	1213.7	1071.7	954.0	907.1	907.9	913.2	914.1	909.9
1391.5	32.5°	1435.5	1406.3	1216.6	1023.1	892.7	863.4	864.3	870.0	874.1	867.1
1522.8	35°	1551.6	1487.4	1212.0	962.2	845.3	821.9	815.7	817.3	818.6	812.0
1682.0	37.5°	1687.0	1578.3	1191.9	894.7	806.2	781.1	768.0	756.9	750.3	744.1
1862.3	40°	1835.5	1677.5	1154.8	828.9	762.6	737.9	718.2	697.2	675.0	666.7
2053.2	42.5°	1991.1	1779.6	1110.0	765.9	712.4	692.2	671.2	640.8	607.5	590.6
2251.6	45°	2152.4	1884.1	1065.9	703.8	661.0	652.3	628.0	591.4	555.2	533.8
2450.4	47.5°	2310.5	1982.9	1001.3	641.2	612.8	622.3	603.3	569.6	529.3	495.5
2647.5	50°	2461.5	2075.5	895.5	577.8	573.7	613.2	595.1	546.5	500.5	457.2
2841.0	52.5°	2611.3	2150.4	760.1	520.2	552.7	610.7	584.4	530.9	474.5	429.3
3022.9	55°	2738.5	2189.1	629.7	470.8	522.3	589.8	571.7	512.4	437.9	389.7
3147.6	57.5°	2810.9	2157.8	521.0	422.3	480.3	555.2	549.8	472.9	394.3	357.2
3171.9	60°	2779.6	2031.0	432.1	379.9	440.4	517.7	512.0	433.8	360.9	326.0
3041.8	62.5°	2607.2	1789.4	361.8	342.8	404.1	479.5	474.1	403.7	335.4	301.7
2696.5	65°	2259.9	1455.7	307.0	312.0	367.5	433.4	441.2	378.6	315.3	282.3
2086.2	67.5°	1723.6	1054.4	264.2	285.2	331.7	388.1	410.7	360.5	298.4	267.1
1207.1	70°	982.4	598.8	228.0	259.3	300.0	346.1	387.3	346.1	280.3	254.3
452.3	72.5°	372.5	274.9	197.1	233.4	269.6	310.7	361.3	323.5	259.3	239.9
233.8	75°	198.8	167.5	165.9	202.9	234.6	276.2	328.8	301.3	243.6	253.5
161.7	77.5°	135.4	118.5	138.7	173.7	196.3	237.9	294.3	267.5	211.1	210.3
111.9	80°	93.8	84.0	112.8	139.9	151.9	200.0	256.8	229.6	172.0	160.5
69.1	82.5°	56.4	54.7	84.4	104.5	107.4	154.3	212.8	192.6	140.8	122.6
41.2	85°	30.9	32.5	53.9	61.3	62.6	107.8	166.7	149.0	108.2	91.0
14.8	87.5°	8.6	11.1	19.8	24.3	30.0	56.0	99.2	88.5	54.3	37.9
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°
1014.5
1089.0
1136.3
1149.9
1142.5
1125.2
1101.3
1061.0
1017.0
989.0
965.9
940.4
912.0
870.4
816.5
748.2
670.4
592.6
532.1
491.8
453.5
424.3
385.6
352.3
321.0
296.3
277.0
262.2
251.0
236.6
261.7
193.8
153.5
123.5
91.8
37.9
0.0

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