

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: P846278

Luminaire Tested: **GLAN-SB1D-827-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-827-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8122 lumens
Efficiency: N/A
Efficacy: 102.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

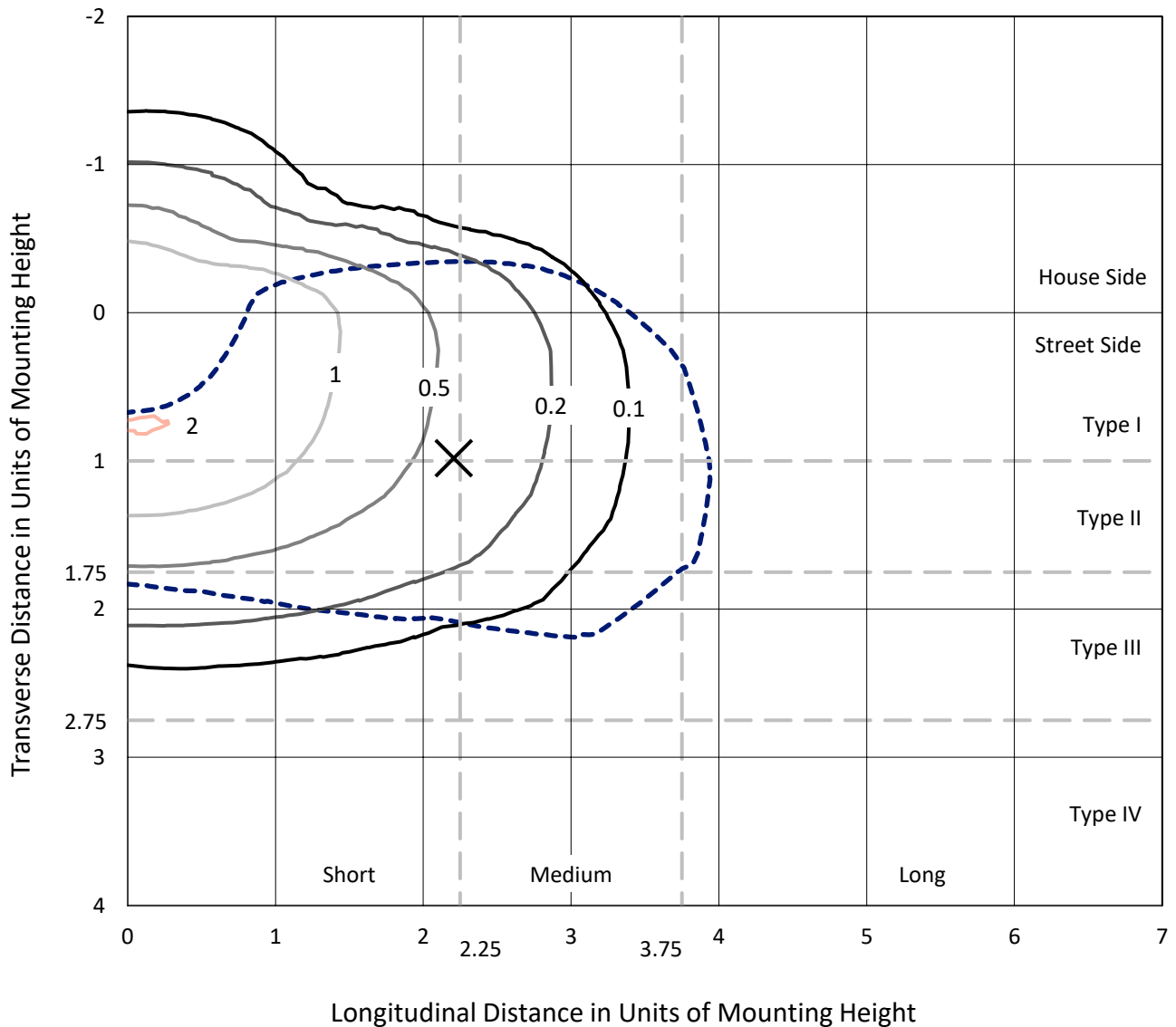
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

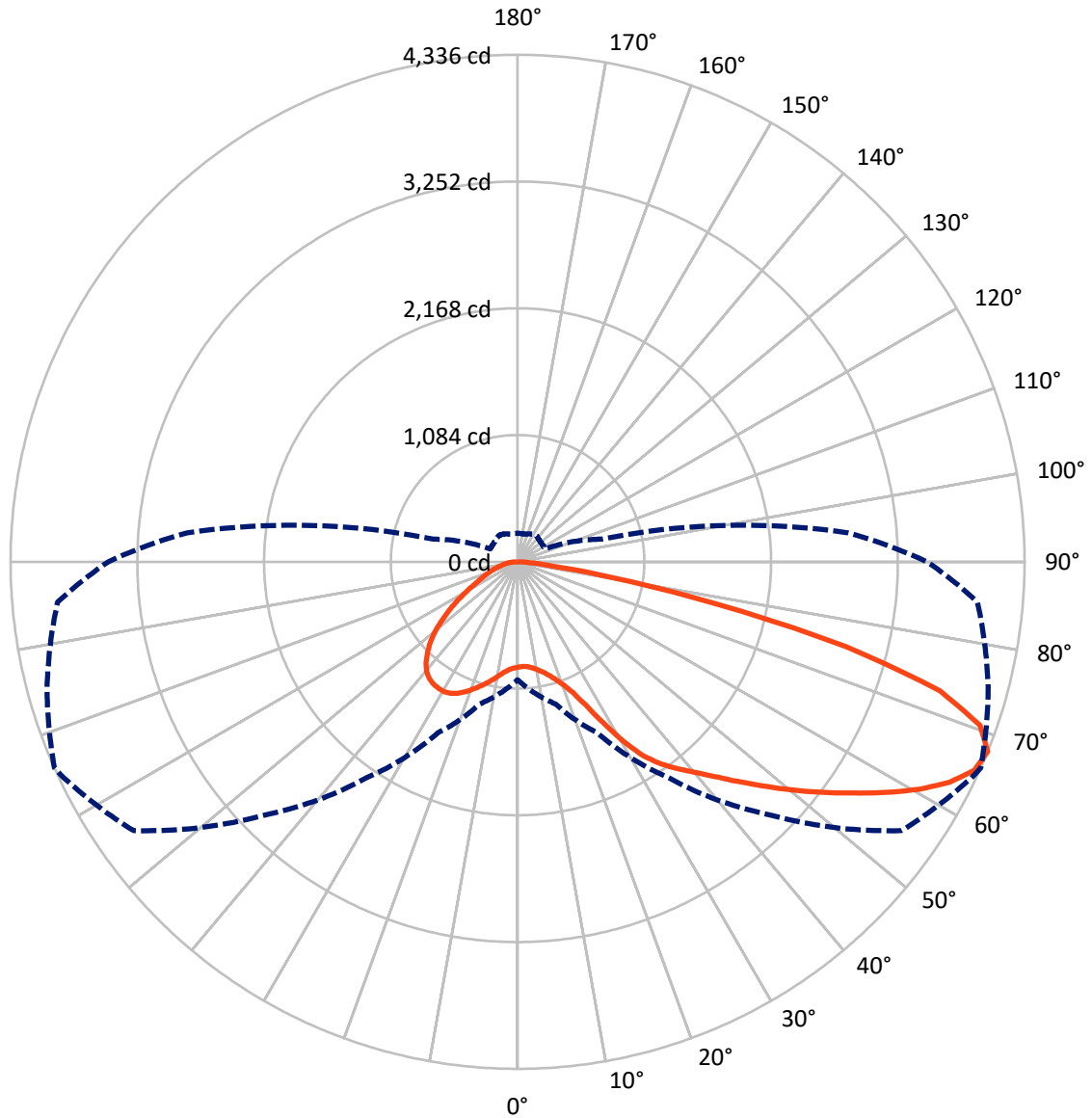
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2019.5	0.0	2019.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	6102.5	0.0	6102.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	8122.0	0.0	8122.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	1.1
10°-20°	295.1	3.6
20°-30°	568.8	7.0
30°-40°	997.2	12.3
40°-50°	1482.6	18.3
50°-60°	1879.3	23.1
60°-70°	1838.9	22.6
70°-80°	877.1	10.8
80°-90°	93.7	1.2
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°	8122.0	100.0
0°-180°	8122.0	100.0

Coefficient of Utilization



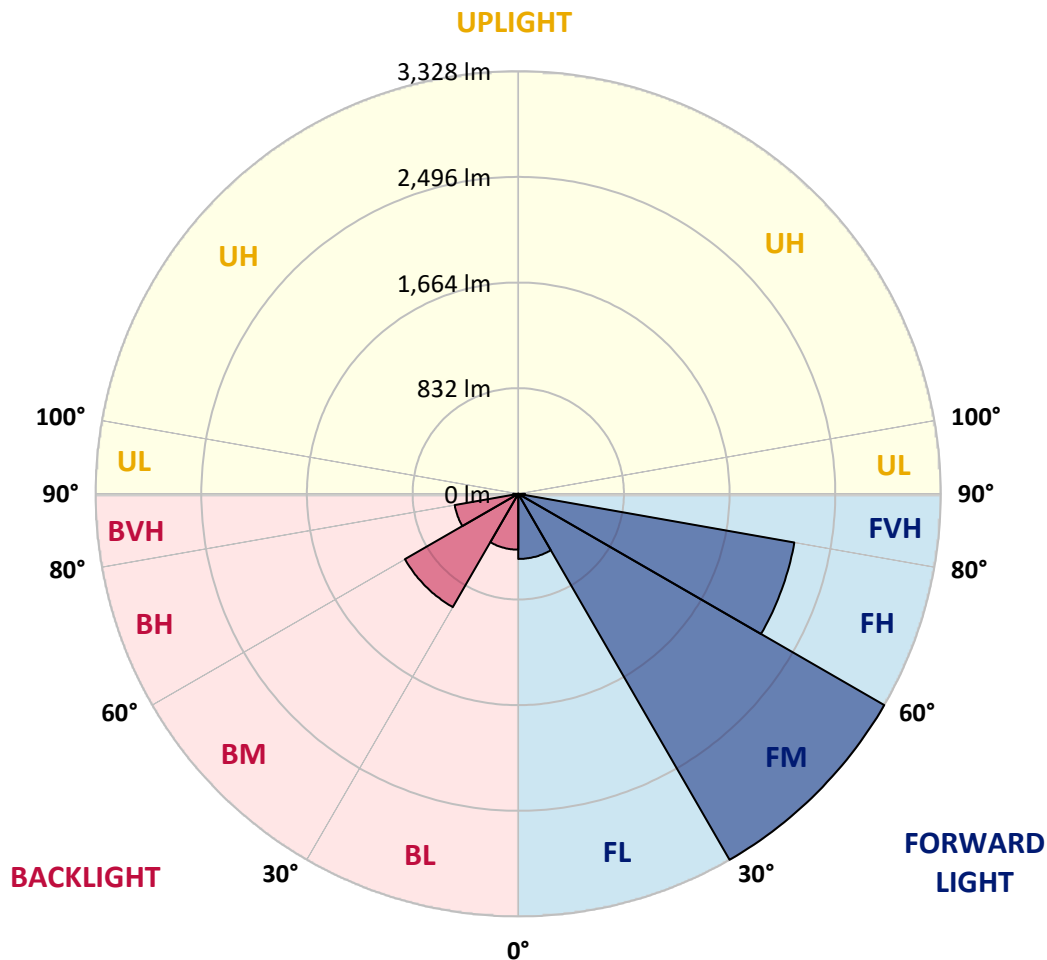
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	513.2	6.3			
FM (30°-60°)	3328.3	41.0			
FH (60°-80°)	2207.8	27.2			G2/5000
FVH (80°-90°)	53.1	0.7			G1/100
BL (0°-30°)	439.9	5.4	B1/500		
BM (30°-60°)	1030.8	12.7	B2/2500		
BH (60°-80°)	508.2	6.3	B2/1000		G2/1000
BVH (80°-90°)	40.6	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8
2.5°	891.4	896.6	895.3	893.2	892.7	893.6	894.9	896.1	895.7	897.8
5°	888.9	894.0	893.6	893.6	895.3	898.7	900.8	903.0	900.8	903.4
7.5°	890.6	894.4	896.1	897.8	902.1	908.5	913.6	918.3	915.8	918.8
10°	912.4	915.3	917.1	917.1	920.0	927.3	932.4	941.0	938.8	943.5
12.5°	952.0	955.0	955.0	953.3	955.5	960.2	961.9	971.2	967.4	975.1
15°	1000.7	1006.7	1002.0	999.0	999.8	1004.5	1004.1	1011.4	1007.5	1013.9
17.5°	1054.5	1062.1	1054.5	1054.0	1052.3	1057.4	1057.9	1064.3	1057.4	1062.1
20°	1118.0	1128.7	1122.3	1124.4	1120.6	1122.7	1124.9	1134.3	1123.6	1127.0
22.5°	1207.7	1220.5	1213.6	1221.7	1219.2	1217.5	1217.0	1233.7	1217.0	1218.3
25°	1338.2	1353.6	1341.7	1352.7	1352.7	1358.3	1364.7	1386.0	1358.3	1350.2
27.5°	1531.1	1546.5	1523.0	1529.8	1527.7	1541.4	1534.5	1587.5	1557.6	1544.4
30°	1763.3	1790.6	1746.2	1744.5	1742.4	1764.1	1773.9	1808.9	1778.6	1765.4
32.5°	2014.2	2042.8	1989.9	1974.5	1966.4	1979.6	1971.5	1999.7	1978.8	1958.3
35°	2279.6	2307.8	2257.4	2227.6	2195.1	2167.4	2138.4	2145.6	2126.0	2094.8
37.5°	2530.5	2582.2	2528.8	2496.8	2437.1	2382.9	2301.8	2268.1	2249.7	2221.2
40°	2786.2	2815.6	2775.1	2747.7	2682.9	2598.0	2468.2	2397.0	2372.2	2344.5
42.5°	2974.3	3002.5	2980.7	2962.0	2911.2	2812.6	2644.9	2555.7	2519.9	2488.7
45°	3123.7	3144.6	3131.0	3137.8	3116.0	3020.4	2828.0	2726.0	2688.9	2650.9
47.5°	3183.9	3206.1	3227.8	3268.4	3305.5	3235.1	3024.7	2910.3	2871.1	2832.2
50°	3177.0	3199.7	3262.8	3349.0	3464.2	3440.8	3232.1	3106.6	3070.4	3026.0
52.5°	3122.4	3148.0	3229.1	3372.5	3556.0	3594.8	3443.3	3309.3	3275.2	3222.3
55°	2979.0	2994.4	3116.0	3319.1	3577.7	3702.4	3650.3	3525.3	3491.1	3417.3
57.5°	2713.2	2735.4	2912.5	3175.3	3523.1	3775.3	3832.1	3752.3	3719.4	3613.2
60°	2366.2	2401.7	2604.4	2933.8	3384.0	3774.9	3997.2	3975.5	3948.2	3806.0
62.5°	1973.6	2014.6	2209.6	2592.4	3140.8	3667.8	4100.5	4162.4	4148.3	3984.0
65°	1515.8	1543.9	1738.1	2150.7	2762.3	3437.8	4112.4	4290.0	4292.5	4119.3
67.5°	1009.2	1090.3	1258.9	1613.9	2255.3	3061.8	4007.5	4310.9	4335.6	4165.8
70°	492.5	599.1	764.3	1048.9	1613.9	2485.3	3733.1	4139.3	4194.4	4030.1
72.5°	204.4	239.0	329.0	517.6	926.4	1677.1	3181.7	3674.2	3776.2	3570.9
75°	137.8	149.4	188.2	265.4	422.0	827.0	2294.6	2739.6	2903.9	2697.0
77.5°	106.3	113.5	137.0	185.6	250.9	312.8	1228.1	1651.0	1736.0	1607.1
80°	83.6	89.2	102.4	135.3	177.9	167.3	418.6	748.1	797.1	668.7
82.5°	72.5	74.7	73.4	91.7	118.2	97.7	137.4	276.1	304.7	221.0
85°	52.5	58.5	61.0	56.8	62.7	49.5	56.3	97.7	107.5	96.0
87.5°	21.3	31.6	38.8	36.7	23.0	14.1	17.5	28.6	32.9	35.8
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°
900.8	0°	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8	900.8
901.3	2.5°	901.7	904.7	906.8	909.4	911.1	913.6	918.8	921.7	922.2	924.3
908.1	5°	909.8	914.1	918.8	925.6	933.3	939.7	949.5	956.3	958.9	961.0
924.7	7.5°	927.3	933.3	941.8	953.8	964.8	973.4	985.3	993.4	1001.5	1004.5
951.2	10°	953.3	961.9	974.2	990.5	1002.4	1013.5	1025.9	1032.7	1040.8	1044.2
982.8	12.5°	985.8	994.7	1010.9	1033.6	1044.6	1052.3	1056.6	1054.9	1056.6	1059.6
1020.7	15°	1022.9	1032.7	1051.0	1075.4	1083.1	1076.2	1066.8	1058.3	1057.0	1057.9
1066.8	17.5°	1066.8	1074.1	1095.4	1115.9	1110.4	1082.2	1061.7	1048.1	1041.2	1039.1
1125.7	20°	1128.3	1128.3	1145.8	1158.6	1121.5	1073.7	1041.7	1019.5	1005.4	999.4
1206.0	22.5°	1203.0	1196.1	1207.2	1198.3	1119.3	1049.8	1005.4	967.0	945.6	937.1
1318.2	25°	1297.7	1289.6	1286.6	1231.1	1104.0	1011.8	939.7	893.2	874.4	869.7
1479.9	27.5°	1440.7	1420.2	1381.3	1249.1	1075.8	952.0	862.9	819.8	809.1	809.5
1687.7	30°	1631.0	1590.0	1494.9	1252.0	1029.7	867.6	784.3	753.6	748.5	750.6
1862.3	32.5°	1807.2	1768.4	1610.9	1238.4	958.9	784.8	713.9	693.4	685.8	688.3
1995.4	35°	1945.5	1934.8	1718.5	1219.2	871.8	707.1	650.8	633.3	618.3	614.9
2120.9	37.5°	2076.1	2071.8	1799.1	1192.3	785.6	652.1	600.0	576.9	555.2	543.2
2259.6	40°	2219.4	2215.2	1852.0	1150.9	709.2	604.3	554.3	524.0	497.1	475.4
2416.6	42.5°	2380.8	2355.6	1877.2	1091.6	644.4	563.7	517.2	476.2	440.8	420.8
2594.1	45°	2557.0	2500.2	1876.8	1016.1	589.7	526.6	477.5	419.5	386.6	367.8
2776.3	47.5°	2743.9	2638.5	1853.7	932.4	536.8	485.6	416.1	371.7	349.9	338.4
2974.3	50°	2936.8	2767.8	1814.5	836.4	482.6	439.1	377.7	347.4	330.7	320.1
3170.6	52.5°	3118.2	2885.2	1767.1	727.6	427.6	393.9	360.6	337.1	319.6	307.7
3361.0	55°	3286.7	2986.3	1700.1	616.2	382.8	363.6	352.5	332.9	312.8	298.7
3554.3	57.5°	3436.5	3052.0	1584.5	511.7	350.8	342.7	343.9	325.6	302.6	290.6
3744.6	60°	3561.1	3100.2	1413.3	414.8	324.7	322.2	330.7	311.9	285.1	271.4
3905.5	62.5°	3635.8	3099.4	1203.4	339.7	302.6	303.4	313.2	294.9	267.6	254.8
3989.5	65°	3629.4	3023.4	973.0	290.6	281.2	282.1	294.9	276.1	253.1	245.4
3947.3	67.5°	3500.9	2838.2	746.4	258.6	257.7	261.6	276.5	263.3	244.1	243.2
3695.5	70°	3153.1	2453.7	537.7	233.0	233.4	239.0	258.6	255.2	239.4	241.1
3107.1	72.5°	2528.4	1870.8	361.0	206.1	206.5	215.5	241.5	248.8	234.7	257.3
2204.5	75°	1683.9	1166.7	232.1	177.5	177.9	189.5	226.6	236.4	221.9	256.5
1147.1	77.5°	809.1	524.5	168.1	149.4	149.4	160.0	195.9	211.7	189.0	199.3
368.7	80°	279.5	197.2	132.3	120.3	117.8	125.0	165.1	183.5	163.0	150.2
120.3	82.5°	110.1	102.4	106.3	93.5	84.9	89.6	128.4	151.5	119.9	108.4
67.9	85°	63.2	66.6	75.1	61.9	49.1	55.0	94.3	108.8	90.5	79.8
22.2	87.5°	17.1	23.5	34.6	32.0	22.2	23.5	44.8	60.2	52.1	40.1
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°
900.8
923.9
960.6
1005.0
1045.9
1060.4
1060.9
1042.1
998.1
935.8
870.5
810.8
757.9
691.7
617.5
543.7
477.5
422.0
367.0
335.8
316.2
302.6
293.2
282.9
265.4
250.9
244.9
244.5
240.7
260.7
258.6
182.6
140.8
108.0
81.5
41.4
0.0

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