

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: P846446

Luminaire Tested: **GLAN-SB2A-827-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846446
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-SB2A-827-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7087 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

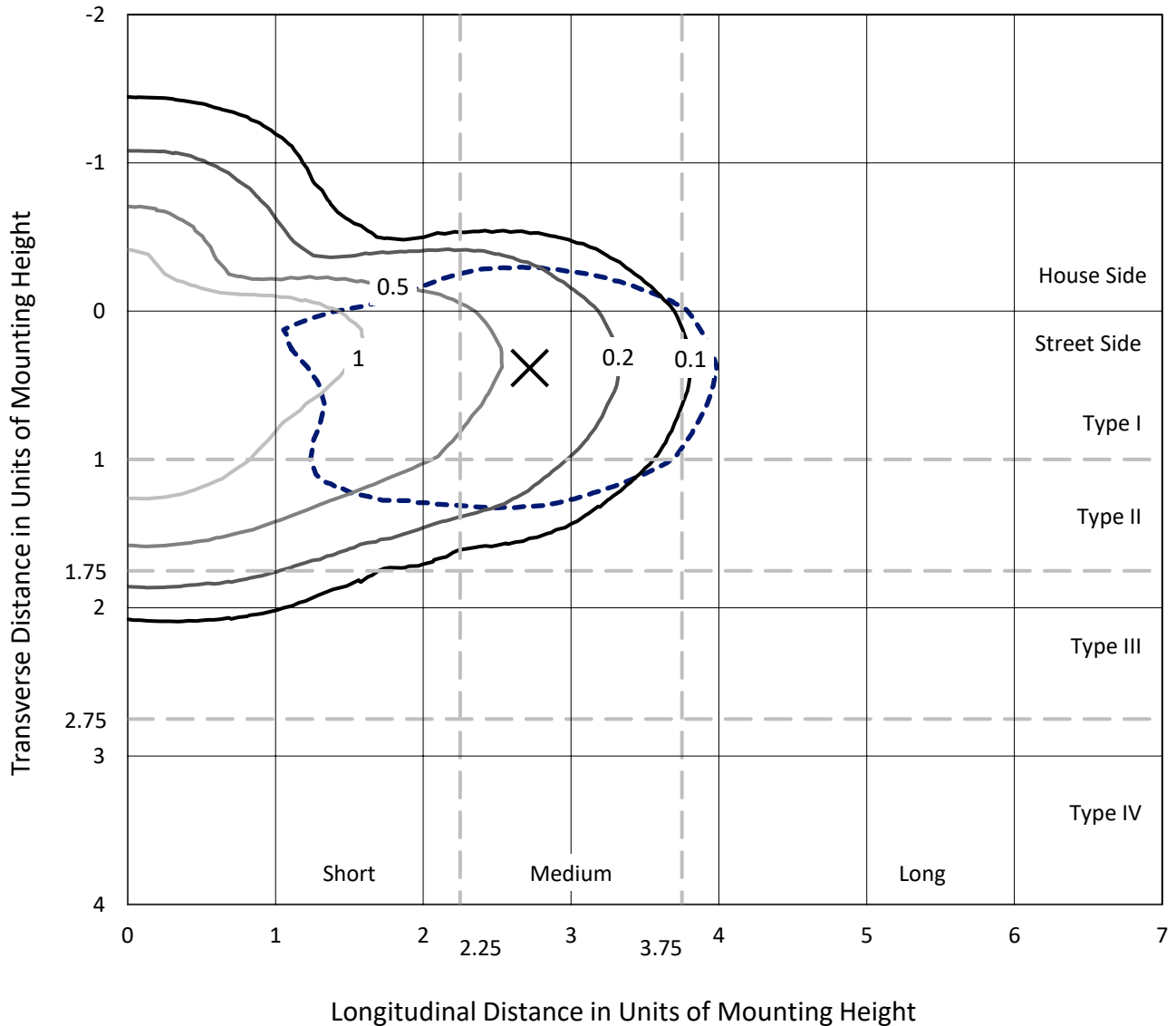
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

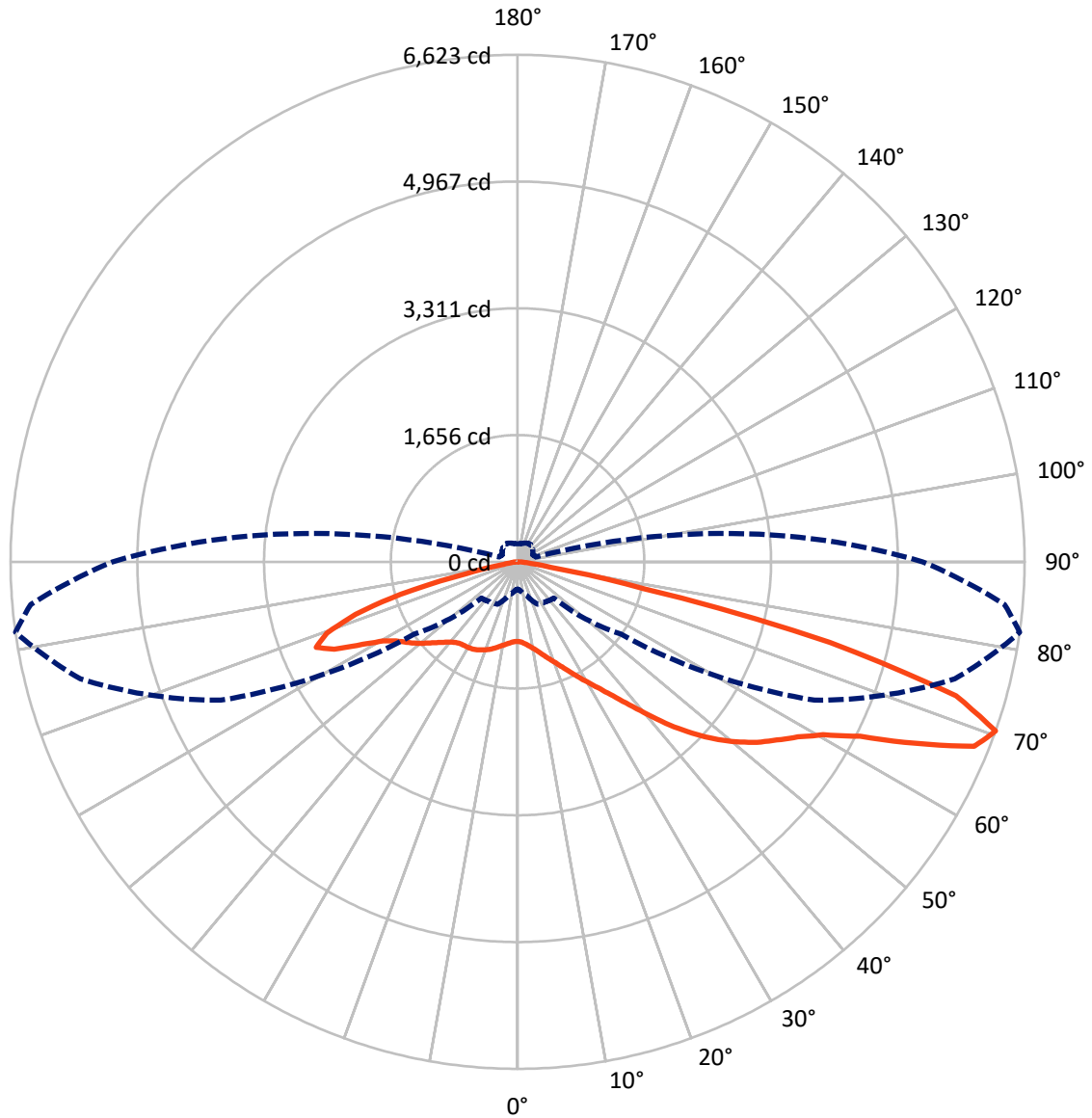
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	1747.1	0.0	1747.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5339.9	0.0	5339.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	7087.0	0.0	7087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.1	1.4
10°-20°	281.9	4.0
20°-30°	471.5	6.7
30°-40°	736.6	10.4
40°-50°	1173.2	16.6
50°-60°	1632.6	23.0
60°-70°	1707.8	24.1
70°-80°	892.6	12.6
80°-90°	92.7	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°	7087.0	100.0
0°-180°	7087.0	100.0

Coefficient of Utilization

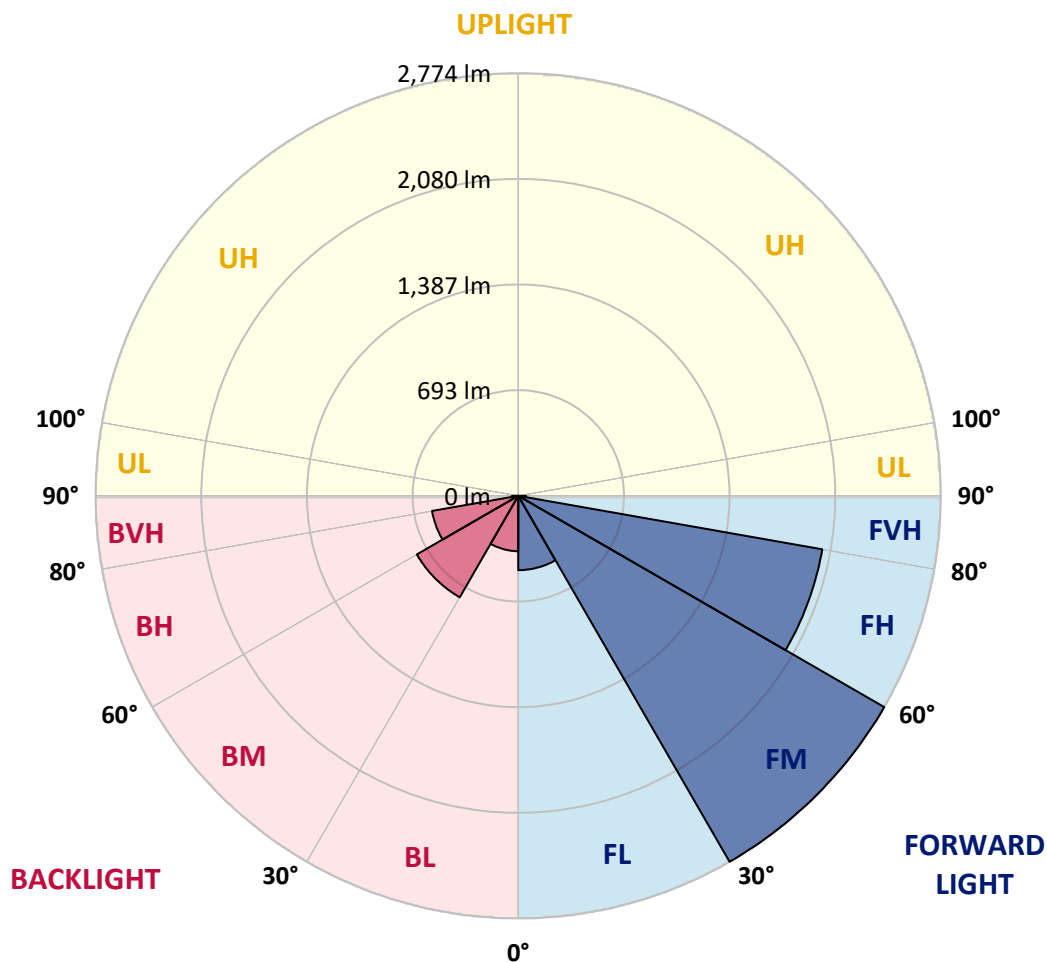


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	488.0	6.9			
FM (30°-60°)	2773.8	39.1			
FH (60°-80°)	2026.2	28.6			G2/5000
FVH (80°-90°)	51.9	0.7			G1/100
BL (0°-30°)	363.5	5.1	B1/500		
BM (30°-60°)	768.7	10.8	B1/1000		
BH (60°-80°)	574.2	8.1	B2/1000		G2/1000
BVH (80°-90°)	40.8	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°	1039.0	1039.0	1039.0	1039.0	1039.0	1039.0	1039.0	1039.0	1039.0	1039.0
2.5°	1063.9	1069.9	1068.0	1066.1	1066.1	1063.5	1063.1	1059.3	1056.3	1051.5
5°	1077.4	1083.8	1083.0	1084.5	1089.4	1090.6	1091.7	1089.4	1083.4	1077.4
7.5°	1065.4	1072.5	1074.8	1083.8	1098.8	1112.4	1122.5	1126.7	1121.0	1112.4
10°	1024.8	1032.6	1040.5	1062.0	1088.7	1120.6	1147.7	1163.9	1162.8	1154.5
12.5°	942.4	950.7	967.6	1009.3	1058.2	1114.6	1165.0	1198.9	1210.5	1204.5
15°	876.6	883.7	896.5	939.4	1002.9	1088.7	1171.4	1237.2	1266.9	1263.5
17.5°	874.7	877.7	885.6	905.9	954.8	1048.1	1164.6	1274.8	1331.6	1331.2
20°	907.8	908.9	913.4	917.6	945.4	1017.2	1147.3	1306.0	1404.2	1404.2
22.5°	953.7	952.9	957.4	953.7	967.2	1014.6	1136.4	1333.5	1485.0	1491.1
25°	1022.5	1018.7	1017.6	1009.0	1011.6	1039.0	1148.5	1364.7	1580.9	1593.3
27.5°	1114.3	1108.2	1104.1	1084.2	1077.4	1089.4	1185.3	1402.3	1687.7	1709.2
30°	1233.8	1222.9	1216.9	1182.3	1157.9	1159.8	1241.0	1452.3	1799.4	1834.0
32.5°	1397.0	1380.1	1364.0	1307.2	1262.4	1247.8	1312.8	1521.5	1920.5	1975.8
35°	1579.8	1566.3	1549.0	1461.4	1392.5	1358.7	1409.8	1618.2	2062.3	2149.9
37.5°	1755.8	1744.1	1752.4	1634.3	1545.6	1496.3	1536.9	1747.9	2237.2	2366.5
40°	1937.8	1928.8	1929.9	1817.1	1713.7	1658.4	1691.1	1910.7	2437.6	2624.1
42.5°	2135.6	2128.9	2106.3	2006.3	1890.1	1838.5	1868.6	2098.8	2652.7	2917.4
45°	2357.1	2353.0	2331.9	2217.2	2084.1	2026.2	2066.8	2306.4	2868.9	3193.5
47.5°	2548.5	2551.9	2549.3	2452.6	2314.6	2229.6	2278.1	2523.0	3070.1	3452.9
50°	2640.7	2658.3	2684.3	2654.2	2568.5	2482.0	2491.4	2732.0	3261.9	3696.3
52.5°	2592.5	2626.0	2696.7	2744.8	2777.9	2759.9	2734.7	2939.6	3442.4	3915.9
55°	2413.2	2460.2	2577.5	2693.7	2862.5	2993.8	3026.9	3169.8	3618.4	4109.2
57.5°	2086.4	2162.7	2268.0	2503.0	2787.3	3107.0	3367.6	3489.0	3804.9	4315.6
60°	1526.0	1628.3	1759.2	2108.9	2524.1	3046.4	3657.5	3979.4	4070.1	4583.0
62.5°	976.6	1039.8	1160.1	1489.6	1966.8	2736.2	3746.3	4592.4	4519.4	5021.5
65°	668.6	709.2	819.4	1004.4	1271.4	2036.7	3508.6	5051.9	5233.2	5716.4
67.5°	485.9	516.7	610.7	772.8	828.5	1205.3	2722.6	5030.9	5927.0	6432.4
70°	354.2	376.1	455.0	610.7	637.4	670.5	1649.4	4276.5	5912.0	6622.7
72.5°	262.5	277.5	330.6	473.8	515.9	452.8	816.4	3108.1	5080.1	5990.2
75°	189.9	201.2	240.3	362.5	412.9	344.8	407.3	1816.4	3543.6	4213.7
77.5°	145.2	153.8	179.4	265.5	330.6	258.7	252.7	835.6	1680.2	1688.5
80°	116.6	122.2	136.1	186.9	253.5	193.7	164.7	337.3	531.0	449.4
82.5°	85.7	95.1	115.1	131.2	181.3	133.5	100.4	170.4	201.9	173.7
85°	48.9	55.3	69.6	94.0	115.8	81.6	57.5	75.6	94.0	77.1
87.5°	17.3	22.6	24.4	36.9	50.4	33.8	22.2	21.8	30.8	22.9
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°
1039.0	0°	1039.0	1039.0	1039.0	1039.0	1039.0	1039.0	1039.0	1039.0	1039.0	1039.0
1050.3	2.5°	1046.6	1044.7	1037.2	1027.0	1016.5	1006.3	1002.9	995.8	990.9	988.3
1074.8	5°	1067.6	1061.6	1043.9	1021.4	997.7	972.1	954.1	937.5	925.5	914.2
1108.2	7.5°	1097.7	1087.2	1056.7	1017.2	975.1	932.6	901.0	877.0	860.8	850.3
1147.3	10°	1132.7	1116.5	1069.9	1010.8	945.8	884.9	847.6	826.9	816.8	811.2
1192.1	12.5°	1172.9	1150.0	1083.4	996.2	901.0	831.5	805.9	799.9	800.2	800.6
1248.5	15°	1222.6	1190.6	1094.3	964.2	842.7	790.5	786.0	795.7	805.9	810.8
1312.4	17.5°	1278.6	1233.5	1096.2	911.6	785.6	764.1	778.4	799.5	814.9	821.7
1383.9	20°	1338.8	1277.1	1082.7	837.1	738.6	742.7	768.3	795.4	812.3	820.9
1465.5	22.5°	1407.6	1323.7	1050.3	758.9	700.2	719.4	749.5	775.8	793.5	802.1
1561.4	25°	1486.2	1376.0	999.6	693.1	667.1	693.1	723.2	745.0	759.3	767.2
1668.6	27.5°	1573.4	1430.5	931.9	640.8	638.2	666.0	690.8	707.7	715.3	721.3
1782.5	30°	1661.0	1480.2	849.9	601.3	613.0	639.3	657.0	664.5	666.7	667.9
1909.6	32.5°	1755.8	1523.0	763.8	568.6	588.9	613.3	623.9	627.3	616.7	609.6
2063.8	35°	1870.5	1568.9	679.5	542.6	565.2	586.3	589.7	586.6	574.2	559.6
2257.1	37.5°	2012.3	1626.1	612.2	524.2	543.0	556.9	552.8	552.1	553.2	535.9
2489.5	40°	2186.0	1700.5	563.0	509.9	525.0	528.0	516.3	522.7	528.4	502.0
2744.5	42.5°	2378.9	1790.4	531.7	500.2	509.9	502.8	484.7	491.9	491.1	456.5
3000.6	45°	2575.6	1888.2	520.8	493.0	496.0	481.7	461.8	463.7	447.9	416.7
3246.1	47.5°	2771.2	1993.1	527.6	487.0	478.7	462.5	447.1	438.9	415.5	392.2
3481.5	50°	2962.9	2103.3	552.4	475.0	455.0	445.6	434.3	419.7	394.9	374.9
3704.2	52.5°	3140.8	2214.2	580.3	455.0	425.3	431.0	423.8	406.9	382.4	362.1
3914.7	55°	3309.3	2325.2	591.2	427.6	397.5	418.2	414.0	382.8	353.5	336.9
4135.1	57.5°	3492.8	2458.7	579.1	392.6	374.9	403.5	387.7	353.1	336.2	323.8
4422.0	60°	3747.0	2668.1	553.2	349.4	353.5	381.7	354.6	340.3	321.9	308.0
4852.3	62.5°	4169.3	3058.8	511.4	306.5	328.3	349.4	338.8	324.5	305.7	292.2
5587.8	65°	4793.6	3601.9	432.8	273.0	300.1	317.8	321.9	307.6	288.1	273.8
6232.4	67.5°	5320.1	3942.6	327.5	245.2	271.1	292.2	303.9	289.9	269.3	255.3
6383.2	70°	5291.1	3695.1	250.1	217.7	245.6	267.0	282.0	271.1	248.9	235.8
5798.0	72.5°	4699.6	3091.2	202.3	189.9	219.6	240.7	258.7	250.5	227.9	215.1
4247.6	75°	3452.6	2194.3	161.7	161.7	187.3	213.2	233.2	227.9	207.2	198.2
1783.3	77.5°	1455.3	920.6	126.7	134.3	155.7	183.1	208.0	209.8	191.8	203.1
471.6	80°	387.0	253.8	96.6	105.7	122.2	151.2	180.9	180.1	160.6	150.0
175.2	82.5°	147.4	100.0	68.8	74.5	88.4	115.8	143.3	147.8	128.2	110.9
68.8	85°	56.8	42.9	42.5	44.8	51.5	76.7	108.3	112.1	96.6	82.0
19.2	87.5°	14.7	12.8	15.8	15.0	23.7	41.0	62.0	64.3	59.0	34.2
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°
1039.0
991.3
918.7
852.5
812.7
801.4
810.4
823.2
823.2
804.4
769.4
723.5
670.5
611.8
560.3
537.0
502.8
456.2
417.8
392.2
373.4
362.5
335.4
322.7
307.2
292.2
274.5
255.7
236.9
215.1
195.5
184.3
139.5
110.9
84.6
48.9
0.0

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