

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: P846376

Luminaire Tested: **GLAN-SB2A-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846376
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-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6951 lumens
Efficiency: N/A
Efficacy: 121.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

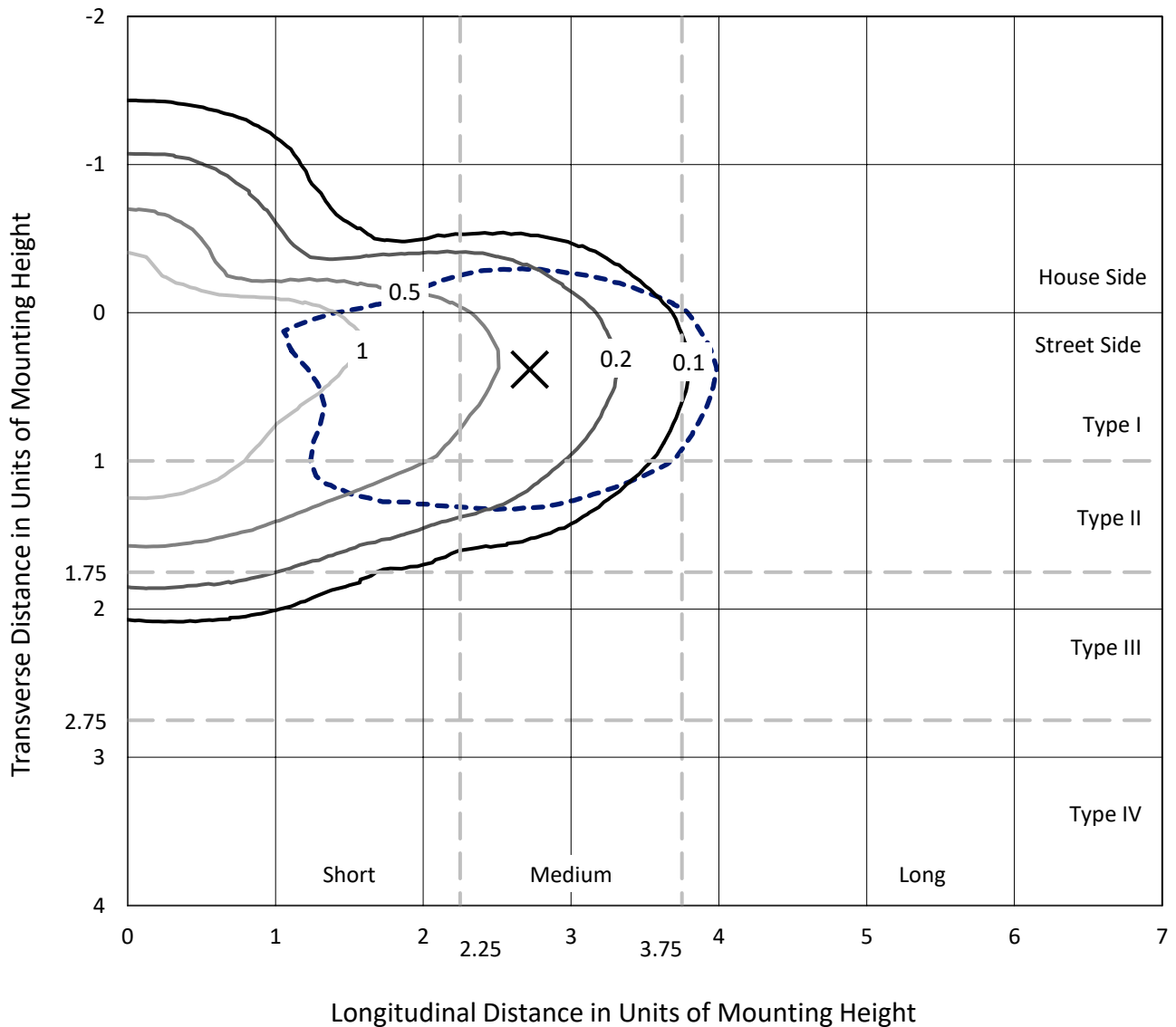
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

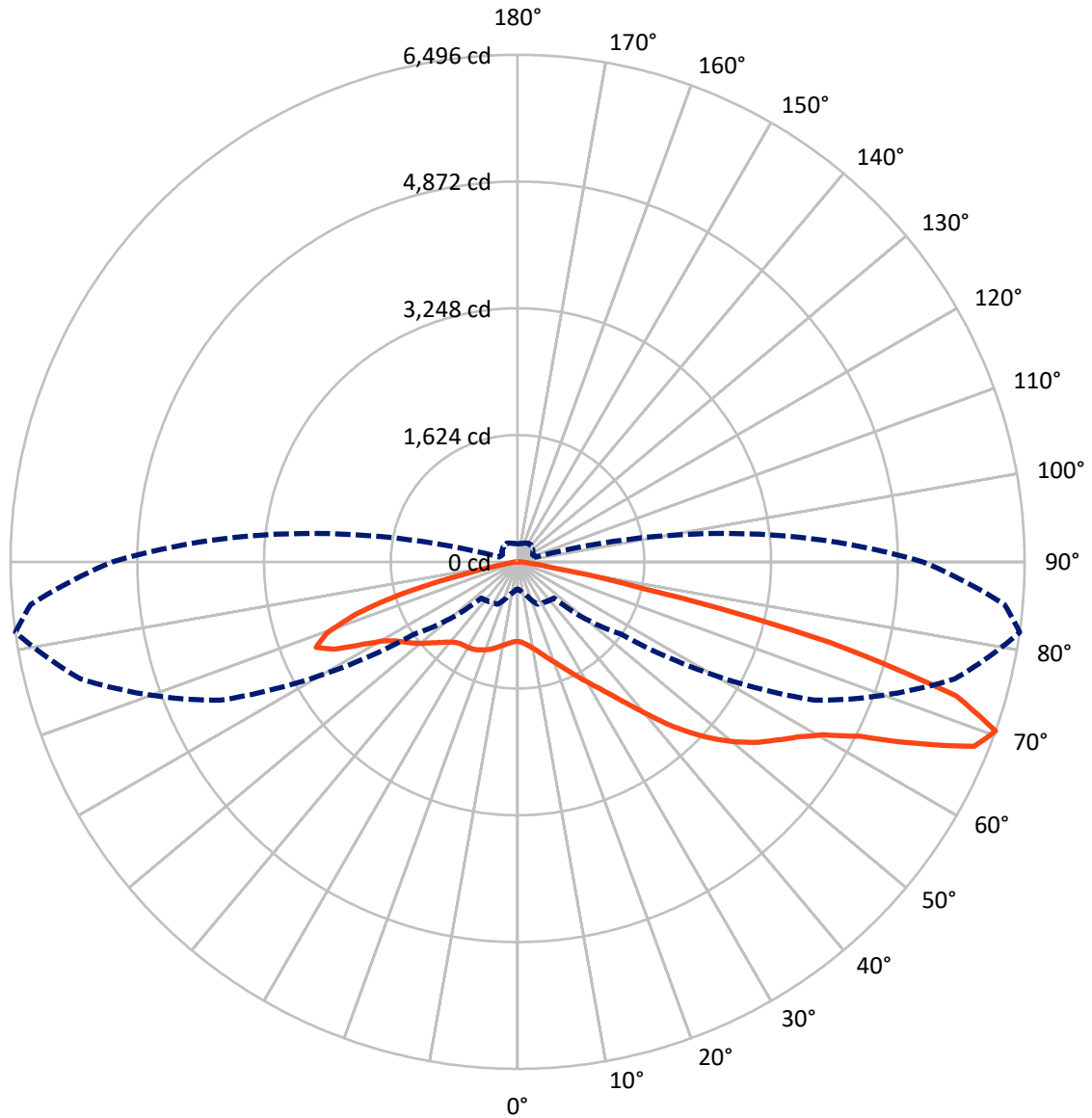
× Max cd
 - - - 1/2 Max cd



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	1713.6	0.0	1713.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5237.4	0.0	5237.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	6951.0	0.0	6951.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	1.4
10°-20°	276.5	4.0
20°-30°	462.5	6.7
30°-40°	722.5	10.4
40°-50°	1150.7	16.6
50°-60°	1601.3	23.0
60°-70°	1675.0	24.1
70°-80°	875.5	12.6
80°-90°	90.9	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°	6951.0	100.0
0°-180°	6951.0	100.0

Coefficient of Utilization



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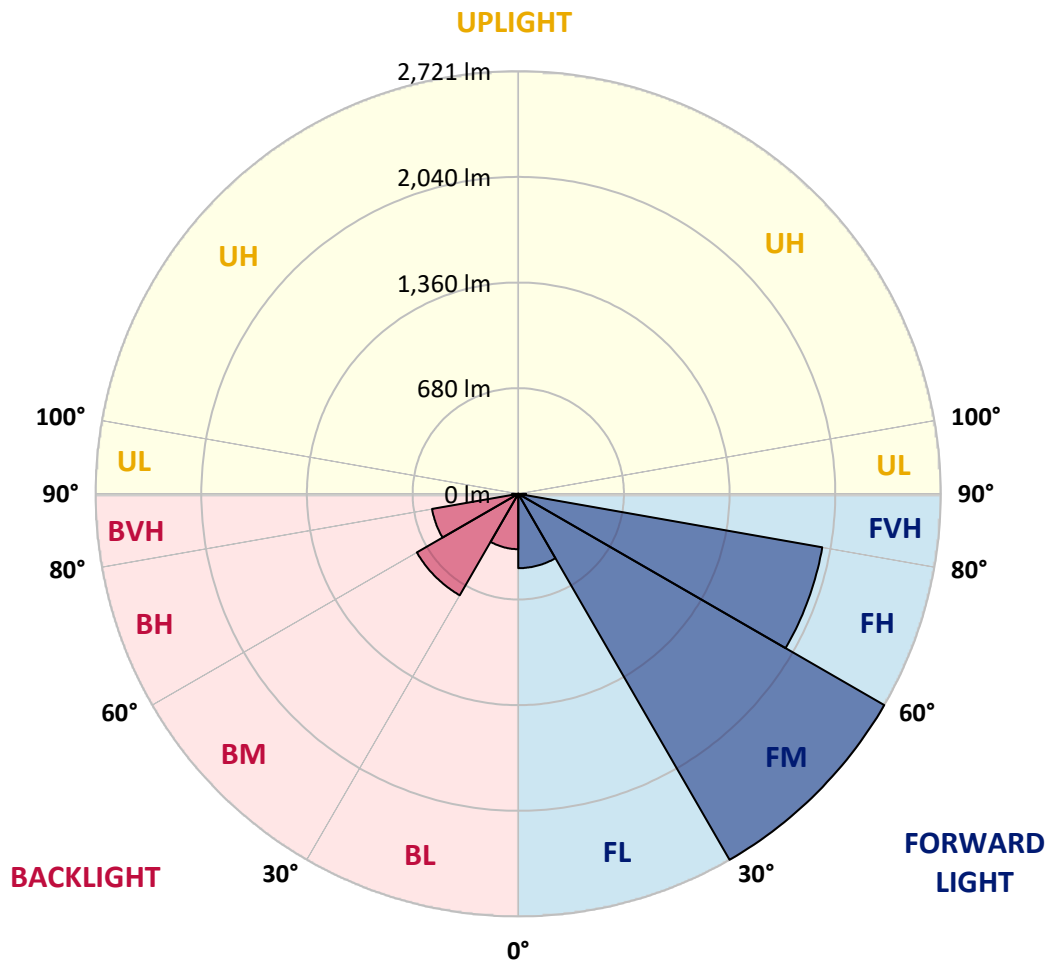
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	478.7	6.9			
FM (30°-60°)	2720.6	39.1			
FH (60°-80°)	1987.3	28.6			G2/5000
FVH (80°-90°)	50.9	0.7			G1/100
BL (0°-30°)	356.5	5.1	B1/500		
BM (30°-60°)	753.9	10.8	B1/1000		
BH (60°-80°)	563.2	8.1	B2/1000		G2/1000
BVH (80°-90°)	40.0	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°	1019.1	1019.1	1019.1	1019.1	1019.1	1019.1	1019.1	1019.1	1019.1	1019.1
2.5°	1043.4	1049.3	1047.5	1045.7	1045.7	1043.1	1042.7	1039.0	1036.1	1031.3
5°	1056.7	1063.0	1062.3	1063.7	1068.5	1069.6	1070.7	1068.5	1062.6	1056.7
7.5°	1044.9	1051.9	1054.1	1063.0	1077.7	1091.0	1101.0	1105.0	1099.5	1091.0
10°	1005.1	1012.8	1020.6	1041.6	1067.8	1099.1	1125.7	1141.6	1140.5	1132.3
12.5°	924.3	932.4	949.0	990.0	1037.9	1093.2	1142.7	1175.9	1187.3	1181.4
15°	859.8	866.8	879.3	921.4	983.7	1067.8	1148.9	1213.5	1242.6	1239.3
17.5°	857.9	860.9	868.6	888.5	936.5	1028.0	1142.3	1250.4	1306.1	1305.7
20°	890.4	891.5	895.9	900.0	927.3	997.7	1125.3	1281.0	1377.2	1377.2
22.5°	935.4	934.6	939.1	935.4	948.7	995.1	1114.6	1307.9	1456.5	1462.4
25°	1002.9	999.2	998.1	989.6	992.2	1019.1	1126.4	1338.5	1550.6	1562.8
27.5°	1092.9	1087.0	1082.9	1063.4	1056.7	1068.5	1162.6	1375.4	1655.4	1676.4
30°	1210.2	1199.5	1193.6	1159.6	1135.7	1137.5	1217.2	1424.5	1764.9	1798.8
32.5°	1370.2	1353.6	1337.8	1282.1	1238.2	1223.8	1287.6	1492.3	1883.7	1937.9
35°	1549.5	1536.2	1519.2	1433.3	1365.8	1332.6	1382.8	1587.1	2022.7	2108.7
37.5°	1722.1	1710.7	1718.8	1603.0	1515.9	1467.6	1507.4	1714.4	2194.2	2321.1
40°	1900.6	1891.8	1892.9	1782.2	1680.8	1626.6	1658.7	1874.1	2390.8	2573.8
42.5°	2094.6	2088.0	2065.9	1967.8	1853.8	1803.3	1832.8	2058.5	2601.8	2861.5
45°	2311.9	2307.8	2287.2	2174.7	2044.1	1987.3	2027.1	2262.1	2813.9	3132.2
47.5°	2499.6	2502.9	2500.4	2405.6	2270.2	2186.8	2234.4	2474.5	3011.2	3386.7
50°	2590.0	2607.3	2632.8	2603.3	2519.2	2434.3	2443.6	2679.6	3199.3	3625.3
52.5°	2542.8	2575.6	2644.9	2692.2	2724.6	2706.9	2682.2	2883.2	3376.4	3840.7
55°	2366.8	2412.9	2528.0	2642.0	2807.6	2936.3	2968.8	3108.9	3549.0	4030.3
57.5°	2046.3	2121.2	2224.5	2455.0	2733.8	3047.4	3303.0	3422.1	3731.9	4232.8
60°	1496.8	1597.1	1725.4	2068.5	2475.7	2988.0	3587.3	3903.1	3991.9	4495.0
62.5°	957.9	1019.8	1137.9	1461.0	1929.0	2683.7	3674.4	4504.3	4432.7	4925.1
65°	655.8	695.6	803.7	985.2	1247.0	1997.6	3441.3	4955.0	5132.8	5606.7
67.5°	476.5	506.8	599.0	758.0	812.6	1182.1	2670.4	4934.3	5813.3	6309.0
70°	347.4	368.8	446.3	599.0	625.2	657.6	1617.7	4194.4	5798.5	6495.6
72.5°	257.4	272.2	324.2	464.7	506.0	444.1	800.8	3048.5	4982.7	5875.2
75°	186.3	197.3	235.7	355.6	405.0	338.2	399.5	1781.5	3475.6	4132.8
77.5°	142.4	150.9	175.9	260.4	324.2	253.8	247.9	819.6	1648.0	1656.1
80°	114.3	119.9	133.5	183.3	248.6	190.0	161.6	330.8	520.8	440.8
82.5°	84.1	93.3	112.9	128.7	177.8	130.9	98.5	167.1	198.1	170.4
85°	47.9	54.2	68.2	92.2	113.6	80.0	56.4	74.1	92.2	75.6
87.5°	17.0	22.1	24.0	36.1	49.4	33.2	21.8	21.4	30.2	22.5
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°
1019.1	0°	1019.1	1019.1	1019.1	1019.1	1019.1	1019.1	1019.1	1019.1	1019.1	1019.1
1030.2	2.5°	1026.5	1024.6	1017.3	1007.3	997.0	987.0	983.7	976.7	971.9	969.3
1054.1	5°	1047.1	1041.2	1023.9	1001.8	978.5	953.5	935.7	919.5	907.7	896.6
1087.0	7.5°	1076.6	1066.3	1036.4	997.7	956.4	914.7	883.7	860.1	844.3	833.9
1125.3	10°	1110.9	1095.1	1049.3	991.4	927.6	867.9	831.4	811.1	801.1	795.6
1169.2	12.5°	1150.4	1127.9	1062.6	977.1	883.7	815.5	790.4	784.5	784.9	785.3
1224.5	15°	1199.1	1167.7	1073.3	945.7	826.6	775.3	770.9	780.5	790.4	795.2
1287.2	17.5°	1254.1	1209.8	1075.2	894.1	770.5	749.5	763.5	784.2	799.3	805.9
1357.3	20°	1313.1	1252.6	1061.9	821.0	724.4	728.5	753.5	780.1	796.7	805.2
1437.4	22.5°	1380.6	1298.3	1030.2	744.3	686.8	705.6	735.1	760.9	778.3	786.7
1531.4	25°	1457.7	1349.6	980.4	679.8	654.3	679.8	709.3	730.7	744.7	752.4
1636.5	27.5°	1543.2	1403.1	914.0	628.5	625.9	653.2	677.6	694.2	701.5	707.4
1748.3	30°	1629.2	1451.8	833.6	589.8	601.2	627.0	644.4	651.7	654.0	655.1
1873.0	32.5°	1722.1	1493.8	749.1	557.7	577.6	601.6	611.9	615.2	604.9	597.9
2024.2	35°	1834.6	1538.8	666.5	532.2	554.4	575.0	578.3	575.4	563.2	548.8
2213.8	37.5°	1973.7	1594.9	600.5	514.2	532.6	546.3	542.2	541.5	542.6	525.6
2441.7	40°	2144.1	1667.9	552.2	500.1	514.9	517.9	506.4	512.7	518.2	492.4
2691.8	42.5°	2333.3	1756.0	521.5	490.6	500.1	493.1	475.4	482.4	481.7	447.8
2943.0	45°	2526.2	1851.9	510.8	483.5	486.5	472.5	452.9	454.8	439.3	408.7
3183.8	47.5°	2718.0	1954.8	517.5	477.6	469.5	453.7	438.6	430.4	407.6	384.7
3414.7	50°	2906.1	2062.9	541.8	465.8	446.3	437.1	426.0	411.6	387.3	367.7
3633.1	52.5°	3080.5	2171.7	569.1	446.3	417.2	422.7	415.7	399.1	375.1	355.2
3839.6	55°	3245.8	2280.5	579.8	419.4	389.9	410.1	406.1	375.5	346.7	330.5
4055.8	57.5°	3425.8	2411.5	568.0	385.1	367.7	395.8	380.3	346.3	329.7	317.6
4337.2	60°	3675.1	2616.9	542.6	342.7	346.7	374.4	347.8	333.8	315.7	302.1
4759.1	62.5°	4089.3	3000.1	501.6	300.6	322.0	342.7	332.3	318.3	299.9	286.6
5480.6	65°	4701.6	3532.7	424.5	267.8	294.3	311.7	315.7	301.7	282.5	268.5
6112.8	67.5°	5218.0	3866.9	321.3	240.5	265.9	286.6	298.0	284.4	264.1	250.4
6260.7	70°	5189.6	3624.2	245.3	213.6	240.9	261.9	276.6	265.9	244.2	231.3
5686.8	72.5°	4609.4	3031.9	198.4	186.3	215.4	236.1	253.8	245.6	223.5	211.0
4166.0	75°	3386.3	2152.2	158.6	158.6	183.7	209.1	228.7	223.5	203.2	194.4
1749.0	77.5°	1427.4	902.9	124.3	131.7	152.7	179.6	204.0	205.8	188.1	199.2
462.5	80°	379.5	249.0	94.8	103.6	119.9	148.3	177.4	176.7	157.5	147.2
171.9	82.5°	144.6	98.1	67.5	73.0	86.7	113.6	140.5	145.0	125.8	108.8
67.5	85°	55.7	42.0	41.7	43.9	50.5	75.2	106.2	109.9	94.8	80.4
18.8	87.5°	14.4	12.5	15.5	14.8	23.2	40.2	60.9	63.1	57.9	33.6
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°
1019.1
972.3
901.1
836.2
797.1
786.0
794.8
807.4
807.4
788.9
754.6
709.6
657.6
600.1
549.6
526.7
493.1
447.4
409.8
384.7
366.3
355.6
329.0
316.5
301.3
286.6
269.3
250.8
232.4
211.0
191.8
180.7
136.8
108.8
83.0
47.9
0.0

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