

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: P847188

Luminaire Tested: **GLAN-SB3A-930-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847188
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-SB3A-930-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9086 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

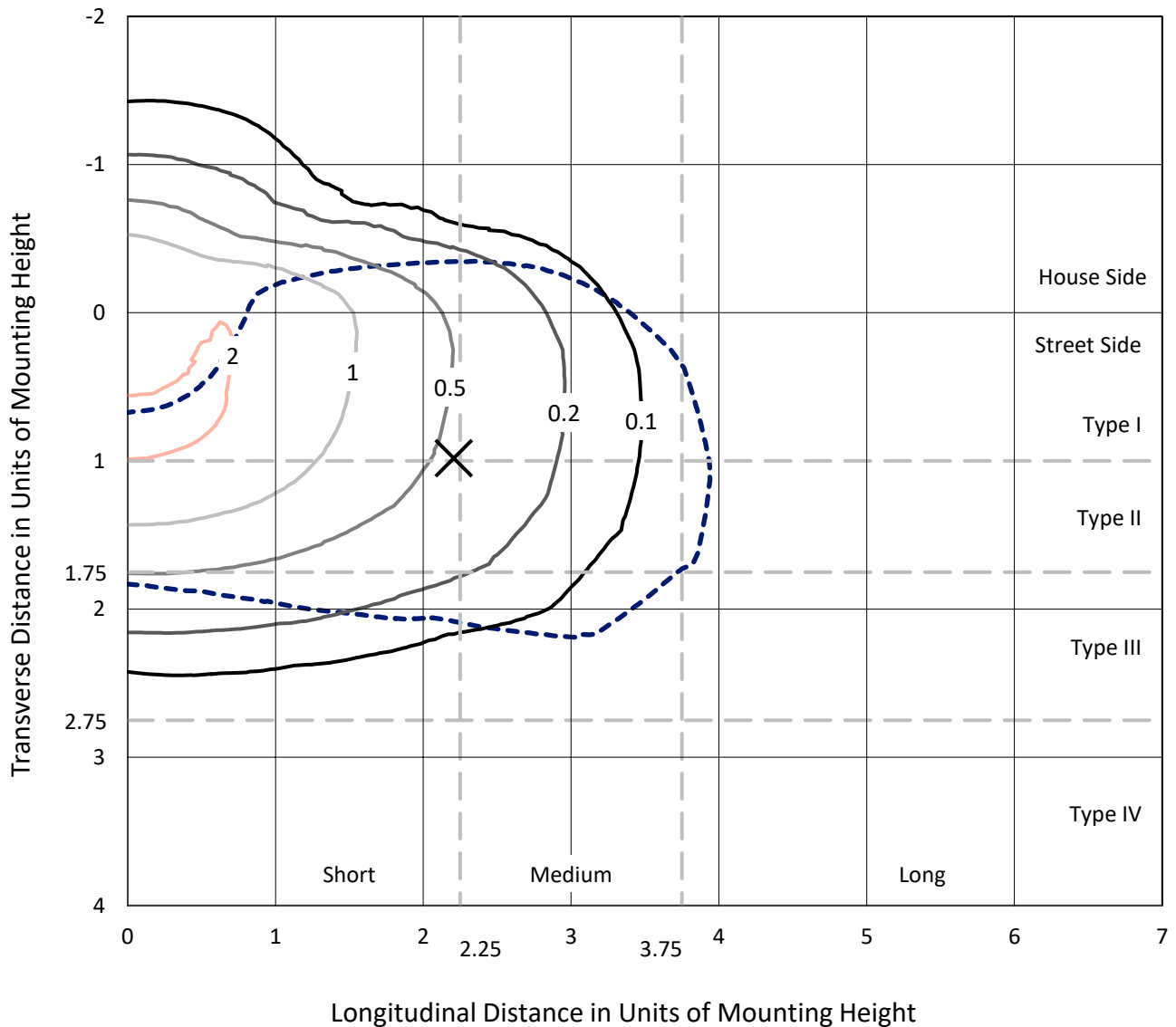
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

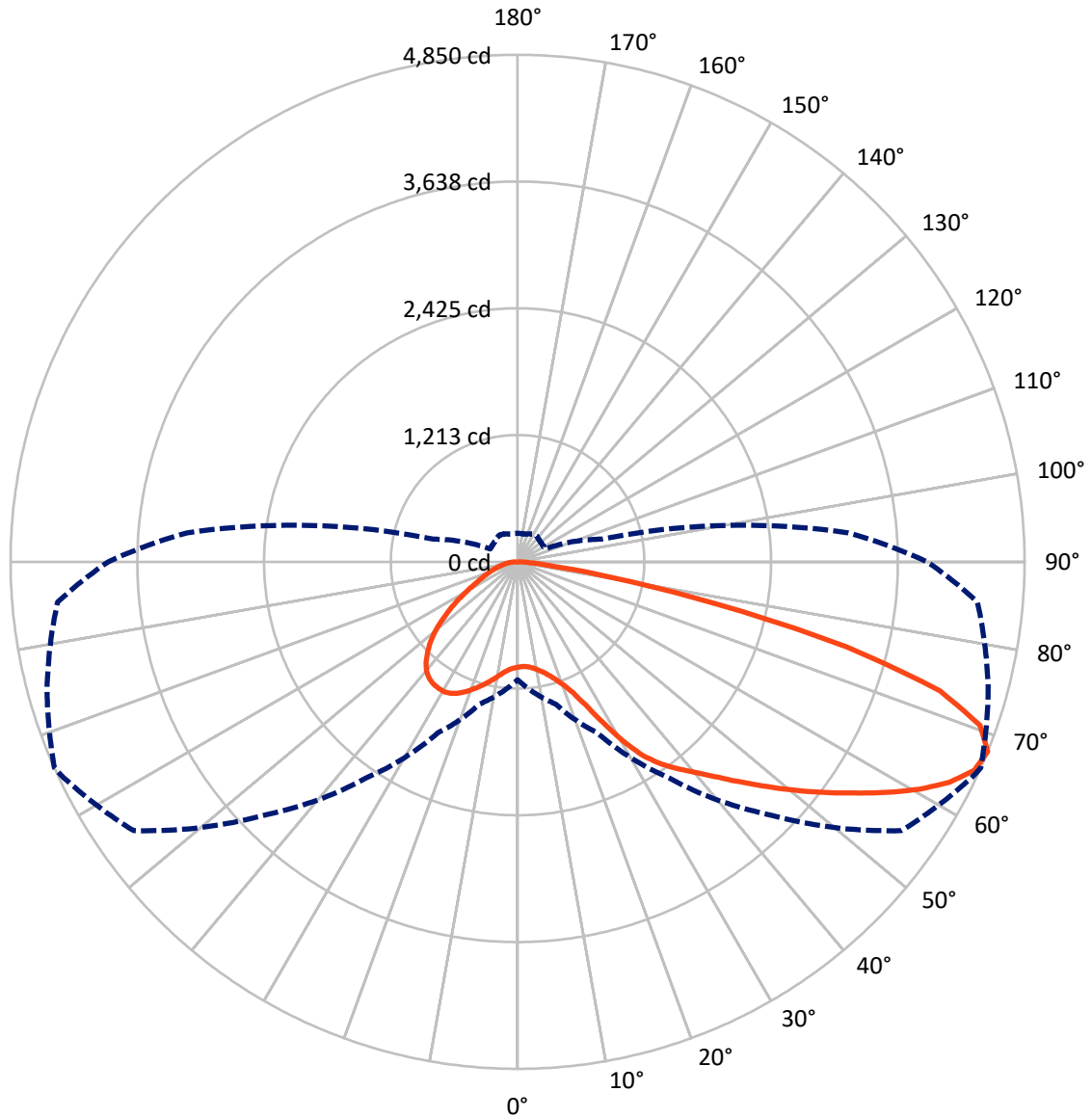
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type 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	2259.2	0.0	2259.2
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	6826.8	0.0	6826.8
	% Fixture	75.1	0.0	75.1
Total	Lumens	9086.0	0.0	9086.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	1.1
10°-20°	330.1	3.6
20°-30°	636.3	7.0
30°-40°	1115.6	12.3
40°-50°	1658.5	18.3
50°-60°	2102.4	23.1
60°-70°	2057.1	22.6
70°-80°	981.3	10.8
80°-90°	104.9	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°	9086.0	100.0
0°-180°	9086.0	100.0

Coefficient of Utilization



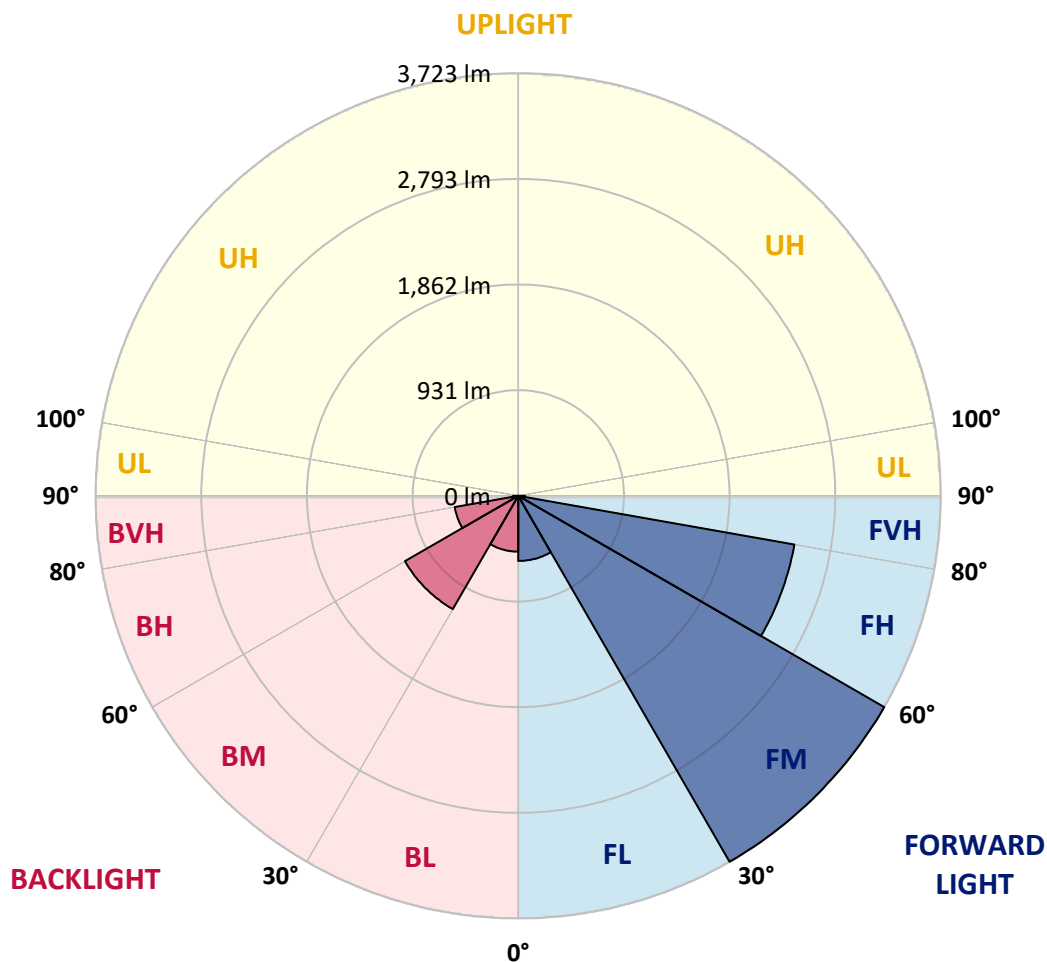
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	574.1	6.3			
FM (30°-60°)	3723.4	41.0			
FH (60°-80°)	2469.8	27.2			G2/5000
FVH (80°-90°)	59.5	0.7			G1/100
BL (0°-30°)	492.1	5.4	B1/500		
BM (30°-60°)	1153.1	12.7	B2/2500		
BH (60°-80°)	568.5	6.3	B2/1000		G2/1000
BVH (80°-90°)	45.4	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°	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8
2.5°	997.3	1003.0	1001.6	999.2	998.7	999.6	1001.1	1002.5	1002.0	1004.4
5°	994.4	1000.1	999.6	999.6	1001.6	1005.4	1007.8	1010.1	1007.8	1010.6
7.5°	996.3	1000.6	1002.5	1004.4	1009.2	1016.4	1022.1	1027.3	1024.5	1027.8
10°	1020.6	1024.0	1025.9	1025.9	1029.2	1037.4	1043.1	1052.6	1050.2	1055.5
12.5°	1065.0	1068.4	1068.4	1066.5	1068.9	1074.1	1076.0	1086.5	1082.2	1090.8
15°	1119.5	1126.1	1120.9	1117.6	1118.5	1123.8	1123.3	1131.4	1127.1	1134.3
17.5°	1179.6	1188.2	1179.6	1179.1	1177.2	1183.0	1183.4	1190.6	1183.0	1188.2
20°	1250.7	1262.7	1255.5	1257.9	1253.6	1256.0	1258.4	1268.9	1257.0	1260.8
22.5°	1351.0	1365.3	1357.7	1366.8	1363.9	1362.0	1361.5	1380.1	1361.5	1362.9
25°	1497.1	1514.3	1500.9	1513.3	1513.3	1519.5	1526.7	1550.5	1519.5	1510.4
27.5°	1712.9	1730.0	1703.8	1711.4	1709.0	1724.3	1716.7	1775.9	1742.5	1727.7
30°	1972.6	2003.1	1953.5	1951.5	1949.2	1973.5	1984.5	2023.6	1989.7	1974.9
32.5°	2253.3	2285.2	2226.0	2208.9	2199.8	2214.6	2205.5	2237.0	2213.6	2190.7
35°	2550.2	2581.7	2525.4	2491.9	2455.7	2424.6	2392.2	2400.3	2378.3	2343.5
37.5°	2830.9	2888.7	2829.0	2793.2	2726.3	2665.7	2575.0	2537.3	2516.8	2484.8
40°	3116.8	3149.8	3104.4	3073.9	3001.3	2906.3	2761.2	2681.5	2653.8	2622.7
42.5°	3327.4	3358.9	3334.5	3313.5	3256.7	3146.4	2958.8	2859.1	2819.0	2784.1
45°	3494.5	3517.8	3502.6	3510.2	3485.9	3378.9	3163.6	3049.5	3008.0	2965.5
47.5°	3561.8	3586.6	3610.9	3656.3	3697.8	3619.0	3383.7	3255.8	3211.8	3168.4
50°	3554.1	3579.4	3650.1	3746.5	3875.4	3849.1	3615.7	3475.4	3434.8	3385.1
52.5°	3493.0	3521.7	3612.4	3772.8	3978.0	4021.5	3852.0	3702.1	3663.9	3604.7
55°	3332.6	3349.8	3485.9	3713.1	4002.4	4141.8	4083.5	3943.7	3905.5	3822.9
57.5°	3035.2	3060.0	3258.1	3552.2	3941.3	4223.4	4286.9	4197.6	4160.9	4042.0
60°	2647.1	2686.7	2913.5	3282.0	3785.7	4222.9	4471.7	4447.3	4416.8	4257.8
62.5°	2207.9	2253.7	2471.9	2900.1	3513.5	4103.1	4587.2	4656.4	4640.6	4456.9
65°	1695.7	1727.2	1944.4	2406.0	3090.1	3845.8	4600.5	4799.1	4802.0	4608.2
67.5°	1129.0	1219.7	1408.3	1805.5	2523.0	3425.2	4483.1	4822.5	4850.2	4660.2
70°	550.9	670.2	855.0	1173.4	1805.5	2780.3	4176.2	4630.6	4692.2	4508.4
72.5°	228.7	267.3	368.1	579.1	1036.4	1876.1	3559.4	4110.3	4224.4	3994.7
75°	154.2	167.1	210.5	296.9	472.1	925.2	2566.9	3064.8	3248.6	3017.1
77.5°	118.9	127.0	153.2	207.7	280.7	349.9	1373.9	1847.0	1942.0	1797.8
80°	93.6	99.8	114.6	151.3	199.1	187.1	468.3	836.9	891.8	748.1
82.5°	81.2	83.5	82.1	102.6	132.2	109.3	153.7	308.9	340.9	247.3
85°	58.7	65.4	68.3	63.5	70.2	55.4	63.0	109.3	120.3	107.4
87.5°	23.9	35.3	43.4	41.1	25.8	15.8	19.6	32.0	36.8	40.1
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°
1007.8	0°	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8	1007.8
1008.2	2.5°	1008.7	1012.1	1014.4	1017.3	1019.2	1022.1	1027.8	1031.1	1031.6	1034.0
1015.9	5°	1017.8	1022.6	1027.8	1035.4	1044.0	1051.2	1062.2	1069.8	1072.7	1075.1
1034.5	7.5°	1037.4	1044.0	1053.6	1067.0	1079.4	1088.9	1102.3	1111.3	1120.4	1123.8
1064.1	10°	1066.5	1076.0	1089.9	1108.0	1121.4	1133.8	1147.6	1155.3	1164.3	1168.2
1099.4	12.5°	1102.8	1112.8	1130.9	1156.2	1168.6	1177.2	1182.0	1180.1	1182.0	1185.3
1141.9	15°	1144.3	1155.3	1175.8	1203.0	1211.6	1204.0	1193.5	1183.9	1182.5	1183.4
1193.5	17.5°	1193.5	1201.6	1225.4	1248.4	1242.2	1210.6	1187.7	1172.5	1164.8	1162.4
1259.3	20°	1262.2	1262.2	1281.8	1296.1	1254.6	1201.1	1165.3	1140.5	1124.7	1118.0
1349.1	22.5°	1345.7	1338.1	1350.5	1340.5	1252.2	1174.4	1124.7	1081.8	1057.9	1048.3
1474.6	25°	1451.7	1442.7	1439.3	1377.3	1235.0	1131.9	1051.2	999.2	978.2	972.9
1655.6	27.5°	1611.6	1588.7	1545.3	1397.3	1203.5	1065.0	965.3	917.1	905.1	905.6
1888.1	30°	1824.6	1778.7	1672.3	1400.6	1151.9	970.5	877.4	843.1	837.3	839.7
2083.3	32.5°	2021.7	1978.3	1802.1	1385.4	1072.7	877.9	798.7	775.7	767.2	770.0
2232.2	35°	2176.4	2164.5	1922.4	1363.9	975.3	791.0	728.0	708.4	691.7	687.9
2372.6	37.5°	2322.5	2317.7	2012.7	1333.8	878.9	729.4	671.2	645.4	621.1	607.7
2527.7	40°	2482.9	2478.1	2071.8	1287.5	793.4	676.0	620.1	586.2	556.2	531.8
2703.4	42.5°	2663.3	2635.2	2100.0	1221.1	720.8	630.6	578.6	532.8	493.1	470.7
2902.0	45°	2860.5	2797.0	2099.5	1136.7	659.7	589.1	534.2	469.3	432.5	411.5
3105.9	47.5°	3069.6	2951.7	2073.8	1043.1	600.5	543.3	465.4	415.8	391.5	378.6
3327.4	50°	3285.4	3096.3	2029.8	935.7	539.9	491.2	422.5	388.6	370.0	358.0
3547.0	52.5°	3488.2	3227.6	1976.8	813.9	478.3	440.6	403.4	377.1	357.6	344.2
3759.9	55°	3676.8	3340.7	1901.9	689.3	428.2	406.7	394.3	372.4	349.9	334.2
3976.1	57.5°	3844.4	3414.2	1772.5	572.4	392.4	383.3	384.8	364.2	338.5	325.1
4189.0	60°	3983.8	3468.2	1581.1	464.0	363.3	360.4	370.0	349.0	318.9	303.6
4369.0	62.5°	4067.3	3467.2	1346.2	380.0	338.5	339.4	350.4	329.9	299.3	285.0
4463.1	65°	4060.2	3382.3	1088.4	325.1	314.6	315.6	329.9	308.9	283.1	274.5
4415.8	67.5°	3916.5	3175.1	834.9	289.3	288.3	292.6	309.3	294.5	273.1	272.1
4134.1	70°	3527.4	2745.0	601.5	260.7	261.1	267.3	289.3	285.5	267.8	269.7
3475.8	72.5°	2828.5	2092.9	403.9	230.6	231.1	241.1	270.2	278.3	262.6	287.9
2466.2	75°	1883.8	1305.2	259.7	198.6	199.1	212.0	253.5	264.5	248.2	286.9
1283.2	77.5°	905.1	586.7	188.1	167.1	167.1	179.0	219.1	236.8	211.5	222.9
412.5	80°	312.7	220.6	148.0	134.6	131.8	139.9	184.7	205.3	182.4	168.0
134.6	82.5°	123.2	114.6	118.9	104.5	95.0	100.3	143.7	169.5	134.1	121.3
75.9	85°	70.7	74.5	84.0	69.2	54.9	61.6	105.5	121.7	101.2	89.3
24.8	87.5°	19.1	26.3	38.7	35.8	24.8	26.3	50.1	67.3	58.2	44.9
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°
1007.8
1033.5
1074.6
1124.2
1170.1
1186.3
1186.8
1165.8
1116.6
1046.9
973.9
907.0
847.8
773.8
690.8
608.2
534.2
472.1
410.6
375.7
353.7
338.5
328.0
316.5
296.9
280.7
274.0
273.5
269.2
291.7
289.3
204.3
157.5
120.8
91.2
46.3
0.0

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