

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: P846166

Luminaire Tested: **GLAN-SB1C-930-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846166
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-SB1C-930-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5008 lumens
Efficiency: N/A
Efficacy: 92.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

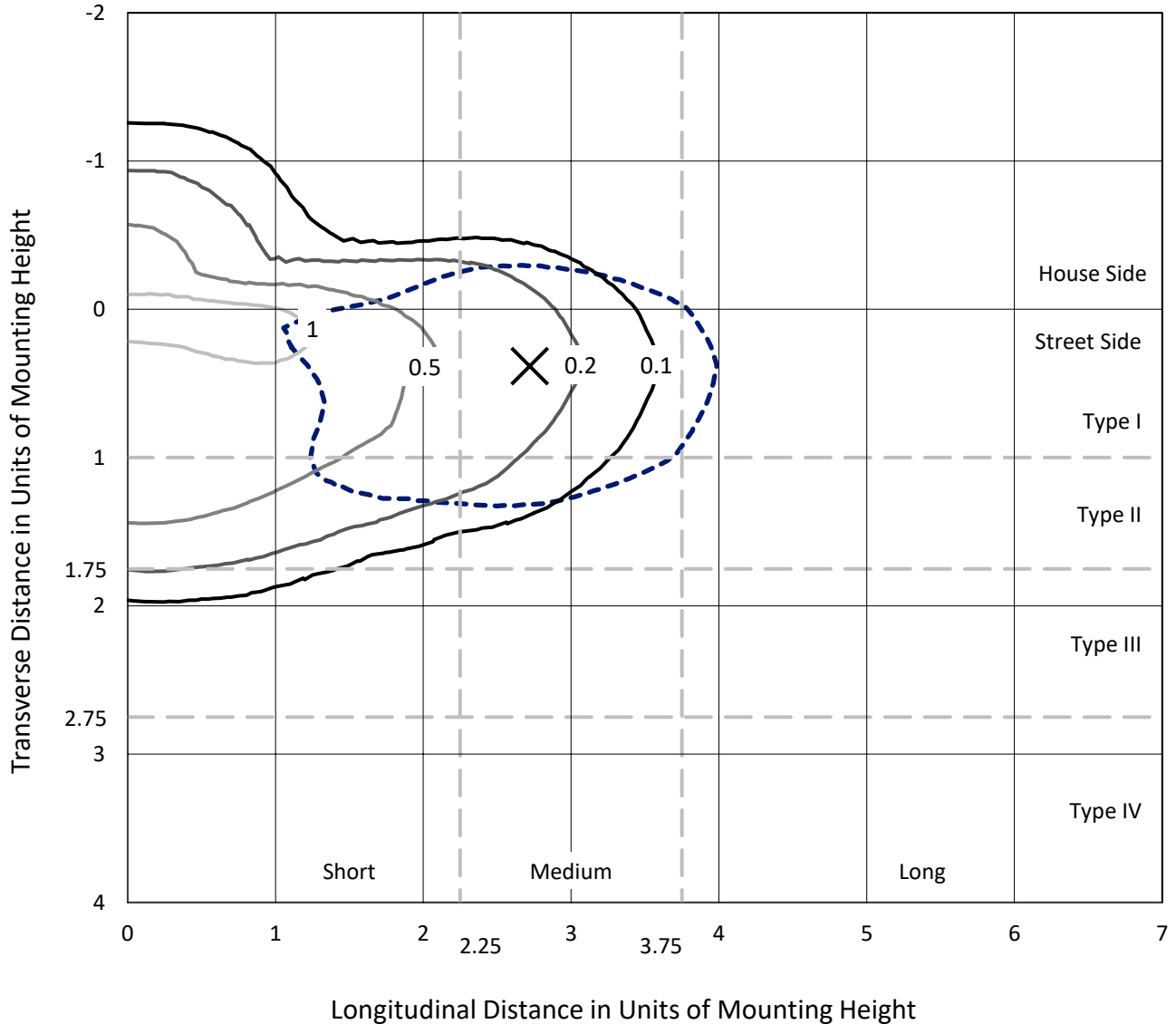
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P846166
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Iso-Footcandle Lines of Horizontal Illumination

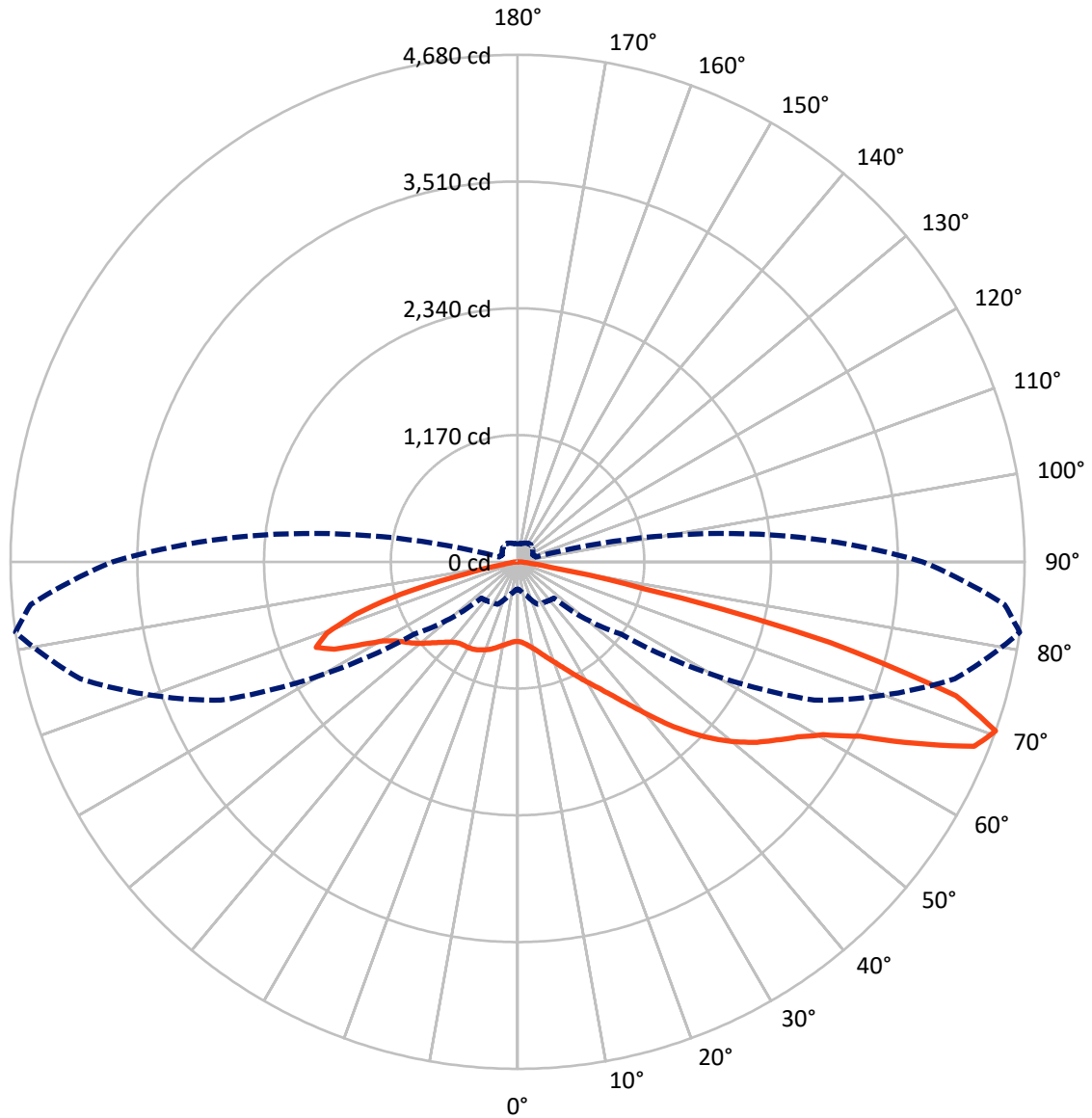
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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	1234.6	0.0	1234.6
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	3773.4	0.0	3773.4
	% Fixture	75.3	0.0	75.3
Total	Lumens	5008.0	0.0	5008.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	1.4
10°-20°	199.2	4.0
20°-30°	333.2	6.7
30°-40°	520.5	10.4
40°-50°	829.0	16.6
50°-60°	1153.7	23.0
60°-70°	1206.8	24.1
70°-80°	630.7	12.6
80°-90°	65.5	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°	5008.0	100.0
0°-180°	5008.0	100.0

Coefficient of Utilization

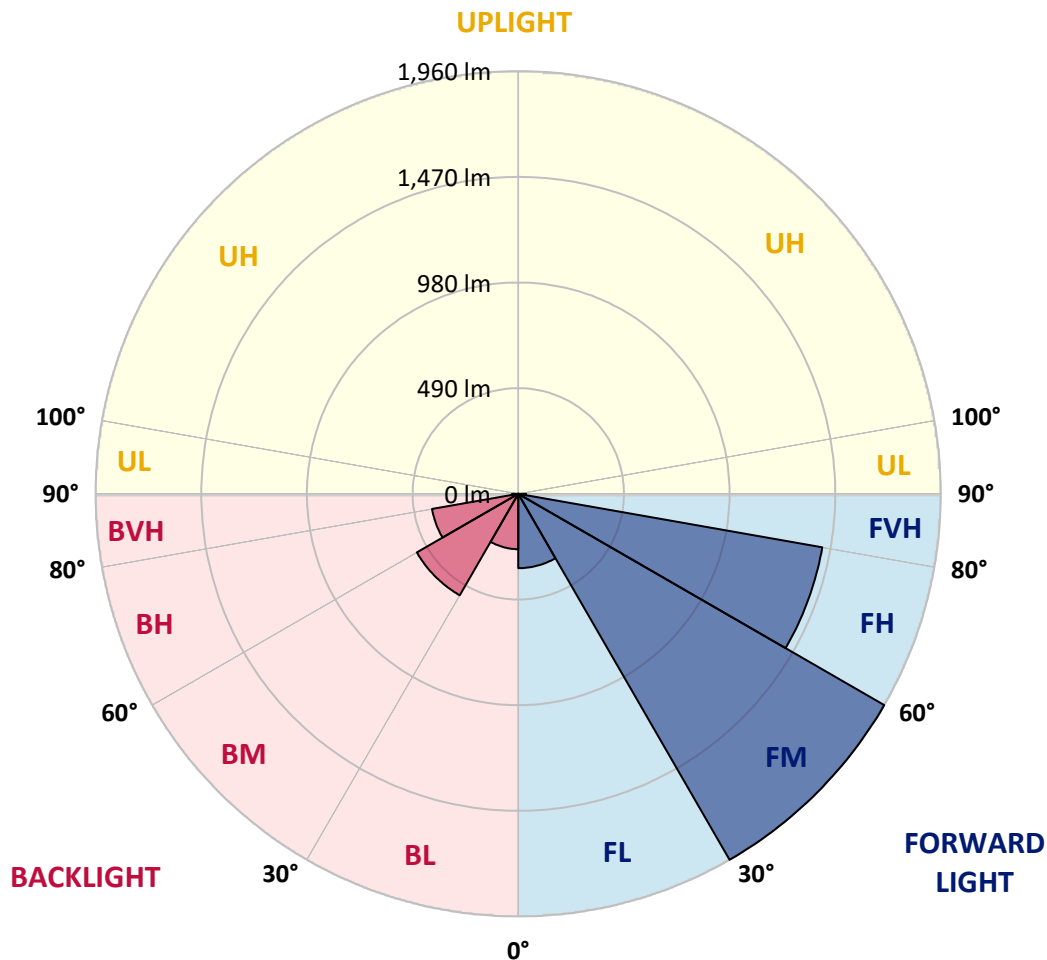


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 CATALOG NUMBER: GLAN-SB1C-930-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	344.9	6.9			
FM (30°-60°)	1960.1	39.1			
FH (60°-80°)	1431.8	28.6			G1/1800
FVH (80°-90°)	36.7	0.7			G1/100
BL (0°-30°)	256.8	5.1	B1/500		
BM (30°-60°)	543.2	10.8	B1/1000		
BH (60°-80°)	405.8	8.1	B1/500		G1/500
BVH (80°-90°)	28.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1
 Type II Medium



REPORT NUMBER: P846166
 CATALOG NUMBER: GLAN-SB1C-930-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	734.2	734.2	734.2	734.2	734.2	734.2	734.2	734.2	734.2	734.2
2.5°	751.8	756.0	754.7	753.4	753.4	751.5	751.2	748.6	746.5	743.0
5°	761.3	765.9	765.3	766.4	769.8	770.6	771.4	769.8	765.6	761.3
7.5°	752.8	757.9	759.5	765.9	776.5	786.1	793.2	796.2	792.2	786.1
10°	724.1	729.7	735.3	750.4	769.3	791.9	811.0	822.5	821.7	815.8
12.5°	665.9	671.8	683.7	713.2	747.8	787.6	823.3	847.2	855.4	851.2
15°	619.4	624.5	633.5	663.8	708.7	769.3	827.8	874.3	895.3	892.9
17.5°	618.1	620.2	625.8	640.2	674.7	740.6	823.0	900.9	941.0	940.7
20°	641.5	642.3	645.5	648.4	668.1	718.8	810.8	922.9	992.3	992.3
22.5°	673.9	673.4	676.6	673.9	683.5	717.0	803.1	942.3	1049.4	1053.7
25°	722.5	719.9	719.1	713.0	714.8	734.2	811.6	964.4	1117.2	1125.9
27.5°	787.4	783.1	780.2	766.1	761.3	769.8	837.6	990.9	1192.6	1207.8
30°	871.9	864.2	859.9	835.5	818.2	819.5	876.9	1026.3	1271.6	1296.0
32.5°	987.2	975.3	963.8	923.7	892.1	881.7	927.7	1075.2	1357.1	1396.2
35°	1116.4	1106.8	1094.6	1032.7	984.0	960.1	996.3	1143.5	1457.3	1519.2
37.5°	1240.7	1232.5	1238.3	1154.9	1092.2	1057.4	1086.1	1235.2	1580.9	1672.3
40°	1369.4	1363.0	1363.8	1284.0	1211.0	1171.9	1195.0	1350.2	1722.5	1854.3
42.5°	1509.1	1504.3	1488.4	1417.7	1335.6	1299.2	1320.5	1483.1	1874.5	2061.6
45°	1665.6	1662.7	1647.8	1566.8	1472.7	1431.8	1460.5	1629.8	2027.3	2256.7
47.5°	1800.9	1803.3	1801.4	1733.1	1635.6	1575.6	1609.8	1782.8	2169.5	2440.0
50°	1866.0	1878.5	1896.8	1875.6	1815.0	1753.9	1760.5	1930.6	2305.0	2611.9
52.5°	1832.0	1855.7	1905.6	1939.6	1963.0	1950.3	1932.5	2077.3	2432.6	2767.1
55°	1705.2	1738.5	1821.4	1903.5	2022.8	2115.5	2138.9	2239.9	2556.9	2903.7
57.5°	1474.3	1528.3	1602.7	1768.8	1969.7	2195.5	2379.7	2465.5	2688.7	3049.6
60°	1078.4	1150.6	1243.1	1490.3	1783.6	2152.7	2584.6	2812.0	2876.1	3238.6
62.5°	690.1	734.8	819.8	1052.6	1389.8	1933.5	2647.3	3245.2	3193.6	3548.4
65°	472.5	501.2	579.0	709.8	898.5	1439.2	2479.3	3569.9	3698.0	4039.5
67.5°	343.3	365.1	431.6	546.1	585.4	851.7	1923.9	3555.0	4188.3	4545.5
70°	250.3	265.7	321.5	431.6	450.4	473.8	1165.5	3022.0	4177.7	4679.9
72.5°	185.5	196.1	233.6	334.8	364.6	319.9	576.9	2196.3	3589.9	4232.9
75°	134.2	142.2	169.8	256.2	291.8	243.7	287.8	1283.5	2504.1	2977.6
77.5°	102.6	108.7	126.8	187.6	233.6	182.8	178.6	590.5	1187.3	1193.2
80°	82.4	86.4	96.2	132.1	179.1	136.9	116.4	238.4	375.2	317.6
82.5°	60.6	67.2	81.3	92.7	128.1	94.3	71.0	120.4	142.7	122.8
85°	34.5	39.1	49.2	66.4	81.8	57.7	40.7	53.4	66.4	54.5
87.5°	12.2	15.9	17.3	26.0	35.6	23.9	15.7	15.4	21.8	16.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P846166
 CATALOG NUMBER: GLAN-SB1C-930-U-T2

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
734.2	0°	734.2	734.2	734.2	734.2	734.2	734.2	734.2	734.2	734.2	734.2
742.2	2.5°	739.6	738.2	732.9	725.7	718.3	711.1	708.7	703.7	700.2	698.4
759.5	5°	754.4	750.2	737.7	721.7	705.0	686.9	674.2	662.5	654.0	646.0
783.1	7.5°	775.7	768.2	746.7	718.8	689.1	659.0	636.7	619.7	608.3	600.8
810.8	10°	800.4	789.0	756.0	714.3	668.3	625.3	599.0	584.4	577.2	573.2
842.4	12.5°	828.8	812.6	765.6	703.9	636.7	587.5	569.5	565.2	565.5	565.8
882.3	15°	863.9	841.3	773.3	681.4	595.5	558.6	555.4	562.3	569.5	572.9
927.4	17.5°	903.5	871.6	774.6	644.2	555.1	540.0	550.1	565.0	575.9	580.6
977.9	20°	946.0	902.4	765.1	591.5	521.9	524.8	542.9	562.0	574.0	580.1
1035.6	22.5°	994.7	935.4	742.2	536.3	494.8	508.4	529.6	548.2	560.7	566.8
1103.3	25°	1050.2	972.3	706.3	489.8	471.4	489.8	511.0	526.4	536.5	542.1
1179.1	27.5°	1111.8	1010.9	658.5	452.8	451.0	470.6	488.2	500.1	505.4	509.7
1259.6	30°	1173.8	1045.9	600.6	424.9	433.2	451.8	464.2	469.6	471.2	472.0
1349.4	32.5°	1240.7	1076.2	539.7	401.8	416.1	433.4	440.9	443.3	435.8	430.8
1458.4	35°	1321.8	1108.7	480.2	383.5	399.4	414.3	416.7	414.6	405.8	395.4
1595.0	37.5°	1422.0	1149.1	432.6	370.4	383.7	393.6	390.6	390.1	390.9	378.7
1759.2	40°	1544.7	1201.7	397.8	360.3	371.0	373.1	364.9	369.4	373.4	354.8
1939.4	42.5°	1681.1	1265.2	375.8	353.4	360.3	355.3	342.5	347.6	347.1	322.6
2120.3	45°	1820.0	1334.3	368.0	348.4	350.5	340.4	326.3	327.7	316.5	294.4
2293.9	47.5°	1958.2	1408.4	372.8	344.1	338.3	326.9	316.0	310.1	293.6	277.2
2460.2	50°	2093.8	1486.3	390.4	335.6	321.5	314.9	306.9	296.6	279.0	264.9
2617.5	52.5°	2219.4	1564.7	410.0	321.5	300.6	304.5	299.5	287.5	270.3	255.9
2766.3	55°	2338.5	1643.1	417.7	302.1	280.9	295.5	292.6	270.5	249.8	238.1
2922.1	57.5°	2468.2	1737.4	409.2	277.4	264.9	285.1	274.0	249.5	237.6	228.8
3124.8	60°	2647.8	1885.4	390.9	246.9	249.8	269.7	250.6	240.5	227.5	217.6
3428.8	62.5°	2946.2	2161.5	361.4	216.6	232.0	246.9	239.4	229.3	216.0	206.5
3948.6	65°	3387.4	2545.2	305.9	192.9	212.1	224.5	227.5	217.4	203.6	193.5
4404.1	67.5°	3759.4	2786.0	231.5	173.3	191.6	206.5	214.7	204.9	190.3	180.4
4510.6	70°	3738.9	2611.1	176.7	153.9	173.5	188.7	199.3	191.6	175.9	166.6
4097.2	72.5°	3320.9	2184.4	143.0	134.2	155.2	170.1	182.8	177.0	161.0	152.0
3001.5	75°	2439.7	1550.6	114.3	114.3	132.3	150.7	164.8	161.0	146.4	140.0
1260.1	77.5°	1028.4	650.5	89.6	94.9	110.0	129.4	147.0	148.3	135.5	143.5
333.2	80°	273.4	179.4	68.3	74.7	86.4	106.8	127.8	127.3	113.5	106.0
123.8	82.5°	104.2	70.7	48.6	52.6	62.4	81.8	101.2	104.4	90.6	78.4
48.6	85°	40.1	30.3	30.0	31.6	36.4	54.2	76.5	79.2	68.3	57.9
13.6	87.5°	10.4	9.0	11.2	10.6	16.7	29.0	43.8	45.4	41.7	24.2
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°
734.2
700.5
649.2
602.4
574.3
566.3
572.7
581.7
581.7
568.4
543.7
511.3
473.8
432.4
396.0
379.5
355.3
322.3
295.2
277.2
263.9
256.2
237.0
228.0
217.1
206.5
194.0
180.7
167.4
152.0
138.2
130.2
98.6
78.4
59.8
34.5
0.0

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