

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: P846066

Luminaire Tested: **GLAN-SB1C-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846066
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-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7284 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

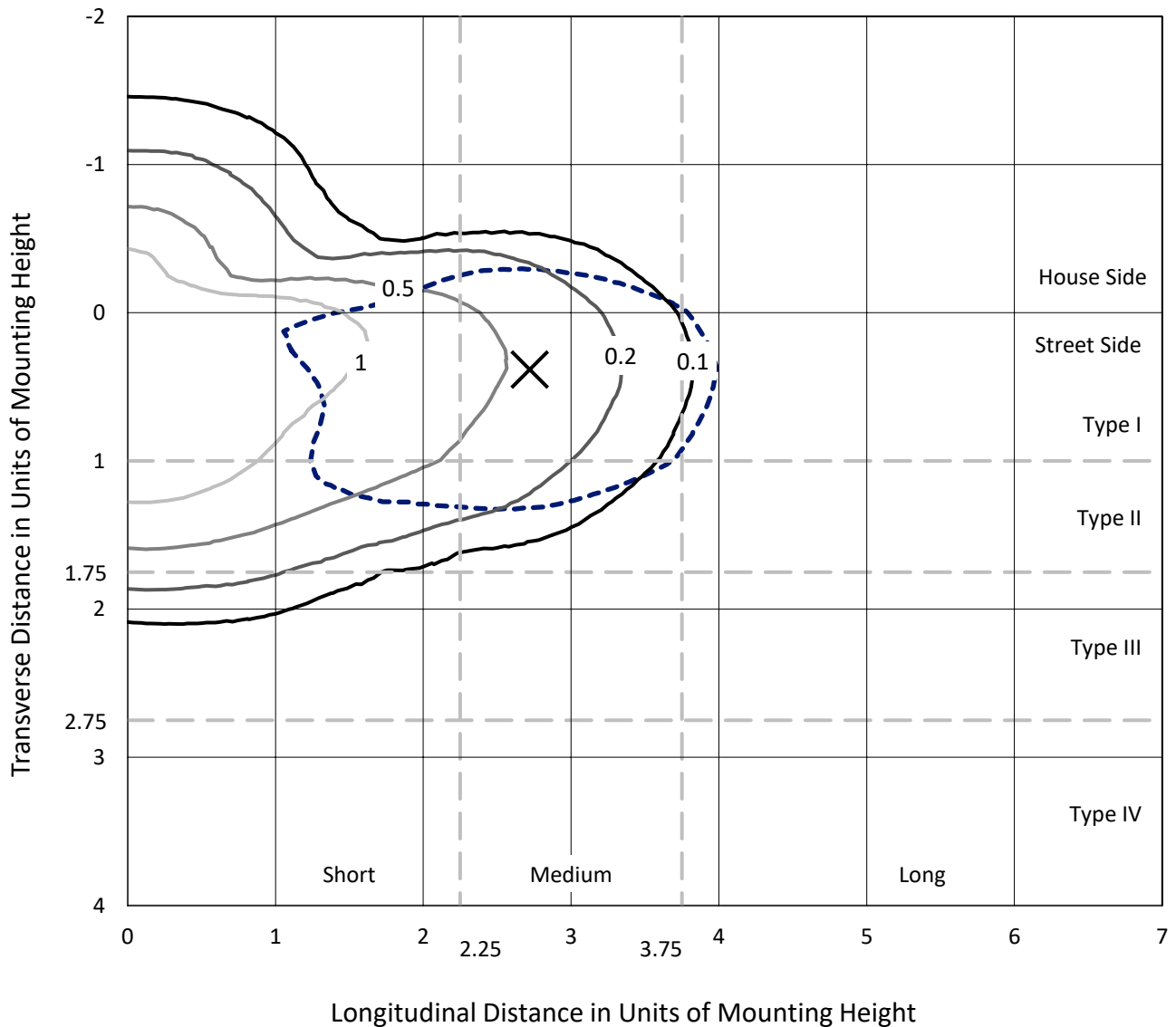
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

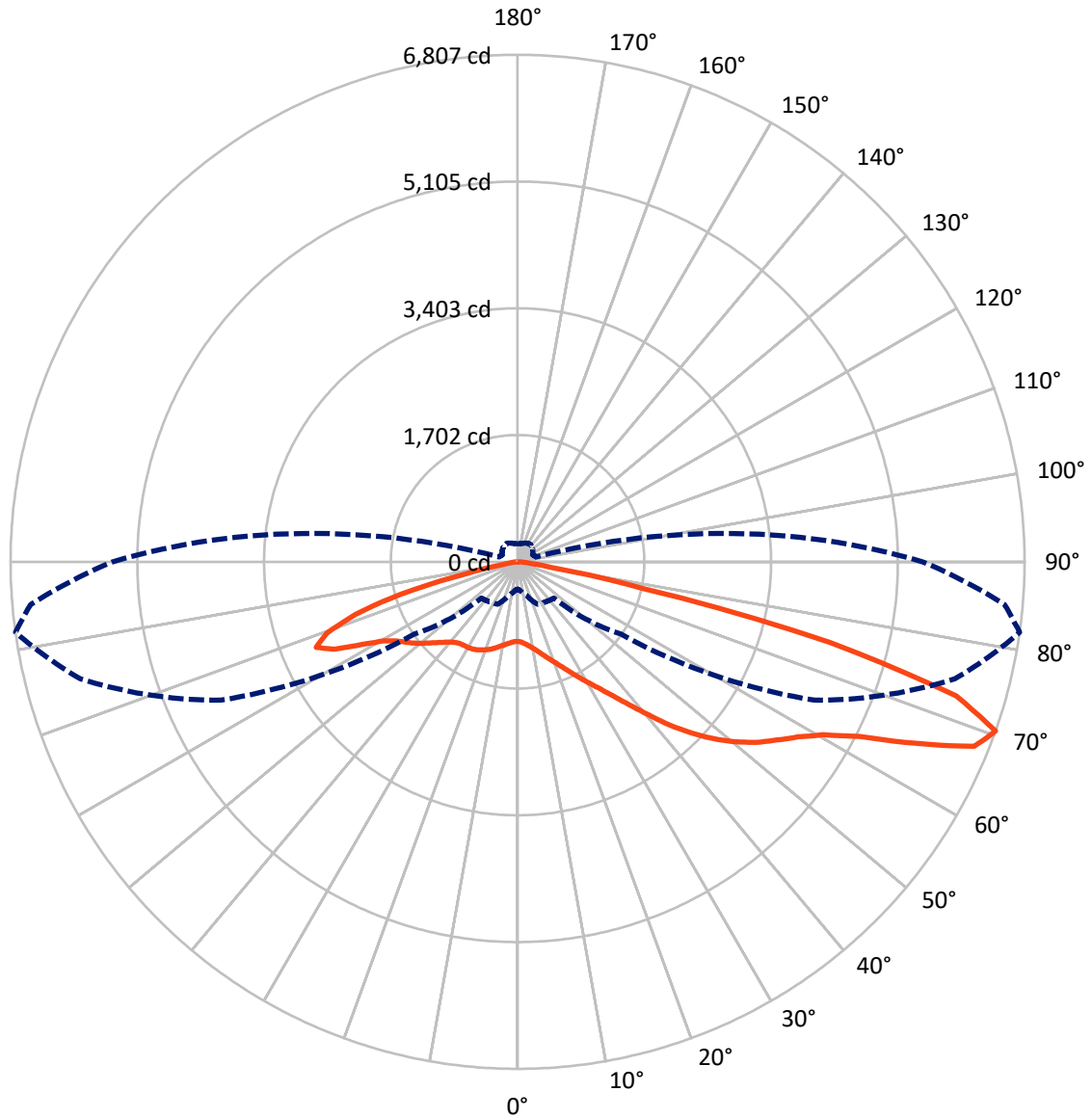
× Max cd
 - - - 1/2 Max cd



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	1795.7	0.0	1795.7
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	5488.3	0.0	5488.3
	% Fixture	75.3	0.0	75.3
Total	Lumens	7284.0	0.0	7284.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.8	1.4
10°-20°	289.7	4.0
20°-30°	484.6	6.7
30°-40°	757.1	10.4
40°-50°	1205.8	16.6
50°-60°	1678.0	23.0
60°-70°	1755.3	24.1
70°-80°	917.4	12.6
80°-90°	95.3	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°	7284.0	100.0
0°-180°	7284.0	100.0

Coefficient of Utilization



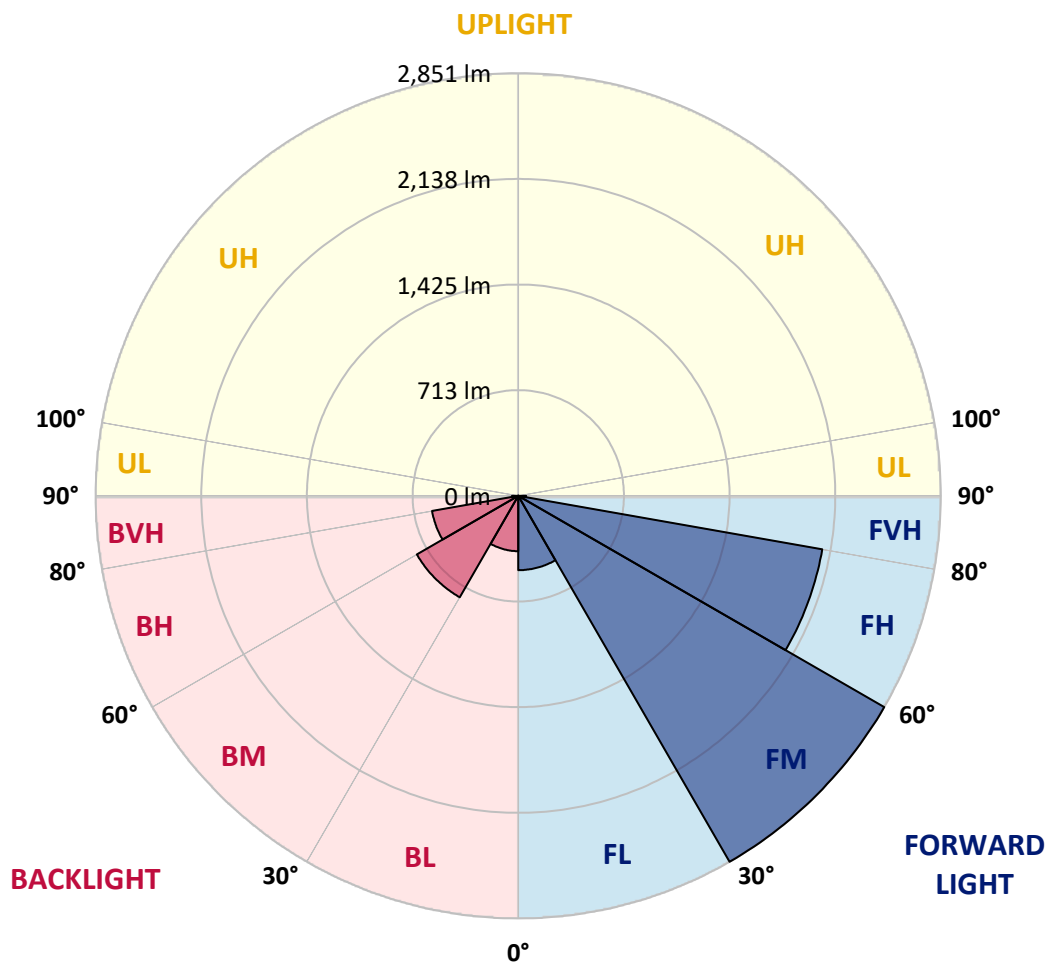
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	501.6	6.9			
FM (30°-60°)	2850.9	39.1			
FH (60°-80°)	2082.5	28.6			G2/5000
FVH (80°-90°)	53.3	0.7			G1/100
BL (0°-30°)	373.6	5.1	B1/500		
BM (30°-60°)	790.0	10.8	B1/1000		
BH (60°-80°)	590.2	8.1	B2/1000		G2/1000
BVH (80°-90°)	41.9	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°	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9
2.5°	1093.4	1099.6	1097.7	1095.8	1095.8	1093.0	1092.7	1088.8	1085.7	1080.7
5°	1107.3	1113.9	1113.1	1114.7	1119.7	1120.9	1122.0	1119.7	1113.5	1107.3
7.5°	1095.0	1102.3	1104.6	1113.9	1129.4	1143.3	1153.7	1158.0	1152.2	1143.3
10°	1053.2	1061.4	1069.5	1091.5	1118.9	1151.8	1179.6	1196.2	1195.1	1186.6
12.5°	968.6	977.1	994.5	1037.4	1087.6	1145.6	1197.4	1232.2	1244.2	1238.0
15°	901.0	908.3	921.4	965.5	1030.8	1118.9	1204.0	1271.6	1302.2	1298.7
17.5°	899.0	902.1	910.2	931.1	981.3	1077.2	1197.0	1310.3	1368.6	1368.2
20°	933.0	934.2	938.8	943.1	971.7	1045.5	1179.2	1342.3	1443.2	1443.2
22.5°	980.2	979.4	984.1	980.2	994.1	1042.8	1168.0	1370.6	1526.3	1532.5
25°	1050.9	1047.1	1045.9	1037.0	1039.7	1067.9	1180.4	1402.6	1624.9	1637.6
27.5°	1145.2	1139.0	1134.8	1114.3	1107.3	1119.7	1218.3	1441.3	1734.7	1756.7
30°	1268.1	1256.9	1250.7	1215.2	1190.1	1192.0	1275.5	1492.7	1849.4	1885.0
32.5°	1435.9	1418.5	1401.9	1343.5	1297.5	1282.4	1349.3	1563.8	1973.9	2030.7
35°	1623.7	1609.8	1592.0	1502.0	1431.2	1396.5	1449.0	1663.1	2119.6	2209.7
37.5°	1804.6	1792.6	1801.1	1679.8	1588.6	1537.9	1579.7	1796.5	2299.3	2432.3
40°	1991.7	1982.4	1983.6	1867.6	1761.3	1704.5	1738.1	1963.9	2505.4	2697.1
42.5°	2195.0	2188.0	2164.8	2062.0	1942.6	1889.6	1920.6	2157.1	2726.4	2998.5
45°	2422.6	2418.4	2396.7	2278.9	2142.0	2082.5	2124.3	2370.5	2948.7	3282.2
47.5°	2619.4	2622.9	2620.1	2520.8	2379.0	2291.6	2341.5	2593.1	3155.5	3548.9
50°	2714.1	2732.2	2758.9	2728.0	2639.9	2551.0	2560.6	2808.0	3352.6	3799.0
52.5°	2664.6	2699.0	2771.7	2821.1	2855.1	2836.6	2810.7	3021.3	3538.1	4024.7
55°	2480.2	2528.5	2649.1	2768.6	2942.1	3077.0	3111.0	3257.9	3719.0	4223.4
57.5°	2144.4	2222.8	2331.0	2572.6	2864.8	3193.3	3461.2	3586.0	3910.7	4435.6
60°	1568.5	1673.6	1808.1	2167.5	2594.3	3131.1	3759.2	4090.0	4183.2	4710.4
62.5°	1003.8	1068.7	1192.4	1531.0	2021.4	2812.2	3850.4	4720.1	4645.1	5161.1
65°	687.2	729.0	842.2	1032.4	1306.8	2093.3	3606.1	5192.4	5378.7	5875.3
67.5°	499.4	531.1	627.7	794.3	851.5	1238.8	2798.3	5170.7	6091.8	6611.2
70°	364.1	386.5	467.7	627.7	655.1	689.1	1695.2	4395.4	6076.3	6806.8
72.5°	269.8	285.2	339.7	487.0	530.3	465.4	839.1	3194.5	5221.4	6156.7
75°	195.2	206.8	247.0	372.6	424.4	354.4	418.6	1866.8	3642.1	4330.8
77.5°	149.2	158.1	184.4	272.9	339.7	265.9	259.7	858.8	1726.9	1735.4
80°	119.8	125.6	139.9	192.1	260.5	199.1	169.3	346.7	545.8	461.9
82.5°	88.1	97.8	118.3	134.9	186.3	137.2	103.2	175.1	207.6	178.6
85°	50.2	56.8	71.5	96.6	119.0	83.9	59.1	77.7	96.6	79.2
87.5°	17.8	23.2	25.1	37.9	51.8	34.8	22.8	22.4	31.7	23.6
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°
1067.9	0°	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9	1067.9
1079.5	2.5°	1075.7	1073.7	1066.0	1055.6	1044.7	1034.3	1030.8	1023.5	1018.5	1015.7
1104.6	5°	1097.3	1091.1	1073.0	1049.8	1025.4	999.1	980.6	963.6	951.2	939.6
1139.0	7.5°	1128.2	1117.4	1086.1	1045.5	1002.2	958.5	926.1	901.3	884.7	873.9
1179.2	10°	1164.2	1147.5	1099.6	1038.9	972.1	909.5	871.2	849.9	839.5	833.7
1225.2	12.5°	1205.5	1181.9	1113.5	1023.9	926.1	854.6	828.3	822.1	822.5	822.9
1283.2	15°	1256.5	1223.7	1124.7	991.0	866.2	812.4	807.8	817.9	828.3	833.3
1348.9	17.5°	1314.1	1267.8	1126.7	936.9	807.4	785.4	800.1	821.7	837.6	844.5
1422.4	20°	1376.0	1312.6	1112.8	860.4	759.1	763.4	789.6	817.5	834.9	843.8
1506.2	22.5°	1446.7	1360.5	1079.5	780.0	719.7	739.4	770.3	797.4	815.5	824.4
1604.8	25°	1527.5	1414.2	1027.3	712.3	685.7	712.3	743.3	765.7	780.4	788.5
1714.9	27.5°	1617.2	1470.3	957.8	658.6	655.9	684.5	710.0	727.4	735.1	741.3
1832.1	30°	1707.2	1521.3	873.5	618.0	630.0	657.1	675.2	683.0	685.3	686.4
1962.7	32.5°	1804.6	1565.4	785.0	584.4	605.3	630.4	641.2	644.7	633.9	626.5
2121.2	35°	1922.5	1612.5	698.4	557.7	580.9	602.6	606.0	603.0	590.2	575.1
2319.8	37.5°	2068.2	1671.3	629.2	538.8	558.1	572.4	568.2	567.4	568.6	550.8
2558.7	40°	2246.8	1747.8	578.6	524.1	539.6	542.7	530.7	537.2	543.0	516.0
2820.7	42.5°	2445.1	1840.2	546.5	514.1	524.1	516.8	498.2	505.6	504.8	469.2
3084.0	45°	2647.2	1940.7	535.3	506.7	509.8	495.1	474.6	476.6	460.3	428.3
3336.3	47.5°	2848.2	2048.5	542.3	500.5	492.0	475.4	459.6	451.1	427.1	403.1
3578.3	50°	3045.3	2161.7	567.8	488.2	467.7	458.0	446.4	431.3	405.8	385.3
3807.1	52.5°	3228.1	2275.8	596.4	467.7	437.1	442.9	435.6	418.2	393.1	372.2
4023.6	55°	3401.3	2389.8	607.6	439.5	408.5	429.8	425.5	393.5	363.3	346.3
4250.1	57.5°	3589.9	2527.0	595.2	403.5	385.3	414.7	398.5	362.9	345.5	332.8
4545.0	60°	3851.2	2742.3	568.6	359.1	363.3	392.3	364.5	349.8	330.9	316.6
4987.1	62.5°	4285.2	3143.9	525.7	315.0	337.4	359.1	348.2	333.6	314.2	300.3
5743.1	65°	4926.8	3702.0	444.9	280.6	308.4	326.6	330.9	316.2	296.1	281.4
6405.6	67.5°	5467.9	4052.2	336.6	252.0	278.7	300.3	312.3	298.0	276.7	262.4
6560.6	70°	5438.2	3797.8	257.0	223.8	252.4	274.4	289.9	278.7	255.9	242.3
5959.2	72.5°	4830.2	3177.1	207.9	195.2	225.7	247.4	265.9	257.4	234.2	221.1
4365.6	75°	3548.5	2255.3	166.2	166.2	192.5	219.2	239.6	234.2	213.0	203.7
1832.8	77.5°	1495.8	946.2	130.3	138.0	160.0	188.2	213.7	215.7	197.1	208.7
484.7	80°	397.7	260.9	99.3	108.6	125.6	155.4	185.9	185.1	165.0	154.2
180.1	82.5°	151.5	102.8	70.7	76.5	90.8	119.0	147.3	151.9	131.8	114.0
70.7	85°	58.4	44.1	43.7	46.0	53.0	78.8	111.3	115.2	99.3	84.3
19.7	87.5°	15.1	13.1	16.2	15.5	24.4	42.1	63.8	66.1	60.7	35.2
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°
1067.9
1018.8
944.2
876.2
835.2
823.7
832.9
846.1
846.1
826.7
790.8
743.6
689.1
628.9
575.9
551.9
516.8
468.8
429.4
403.1
383.8
372.6
344.8
331.6
315.8
300.3
282.2
262.8
243.5
221.1
201.0
189.4
143.4
114.0
87.0
50.2
0.0

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