

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: P845896

Luminaire Tested: **GLAN-SB1B-735-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845896
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-SB1B-735-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5477 lumens
Efficiency: N/A
Efficacy: 137.6 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

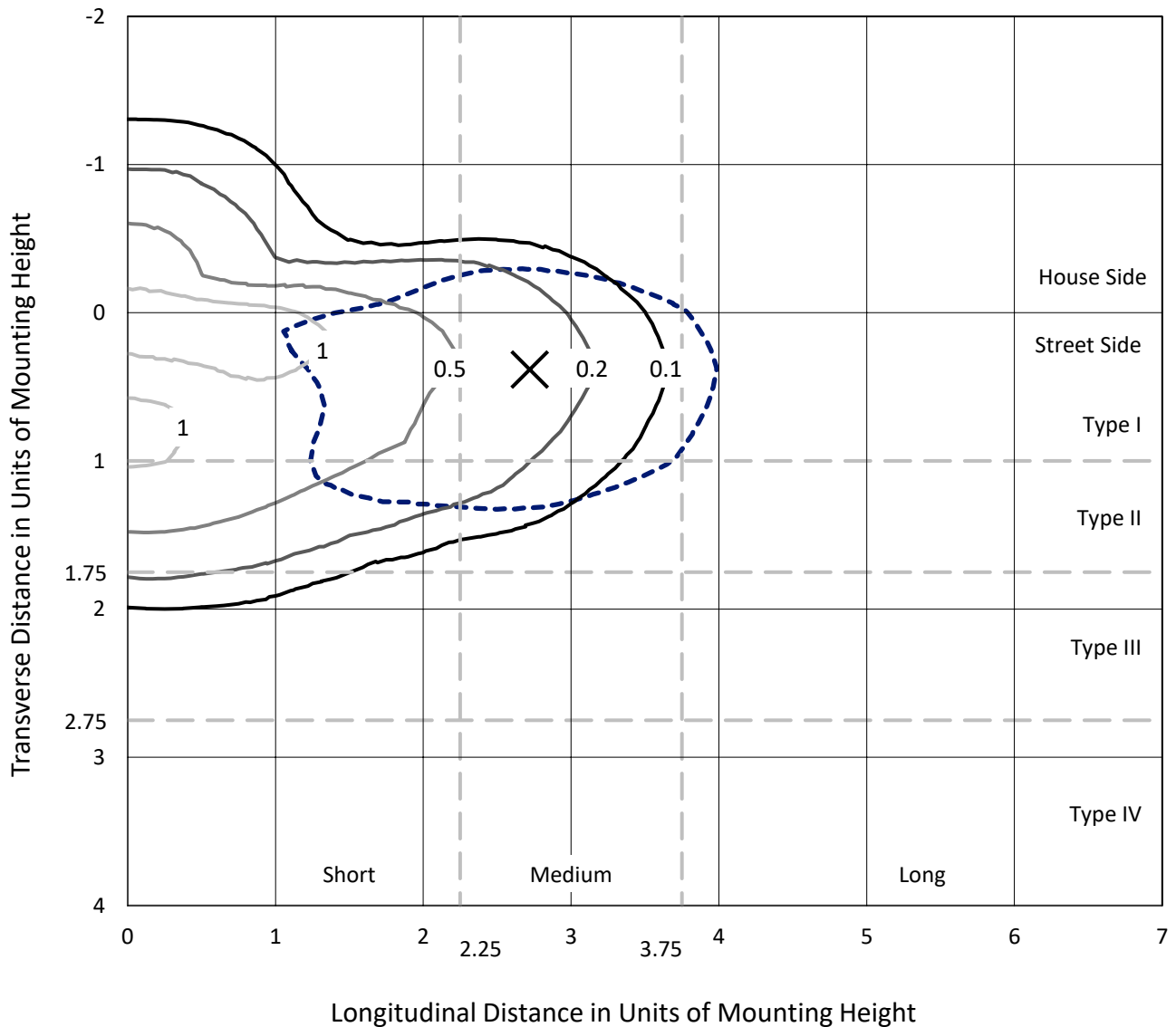
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

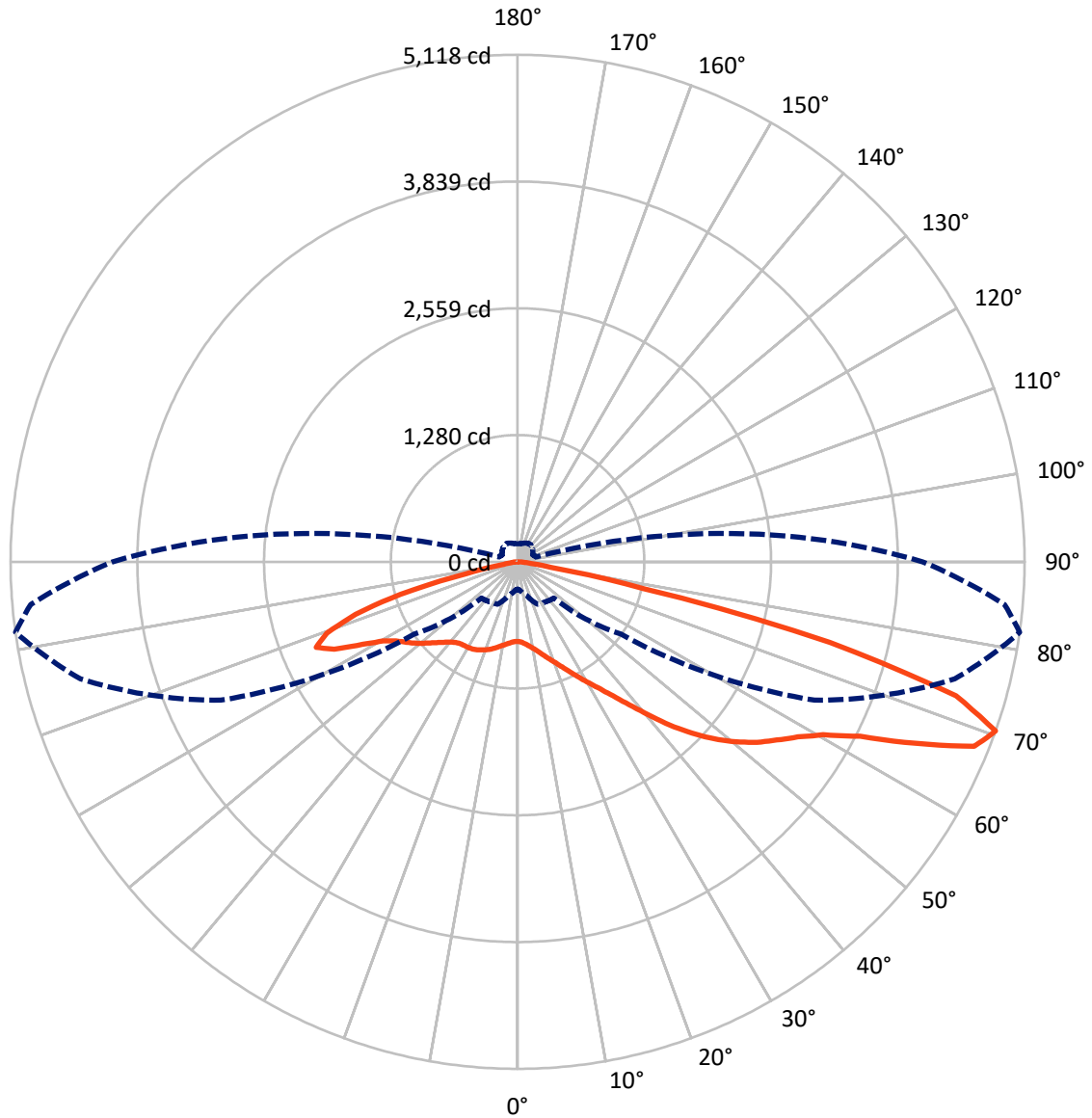
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	1350.2	0.0	1350.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	4126.8	0.0	4126.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	5477.0	0.0	5477.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.8	1.4
10°-20°	217.8	4.0
20°-30°	364.4	6.7
30°-40°	569.3	10.4
40°-50°	906.7	16.6
50°-60°	1261.7	23.0
60°-70°	1319.8	24.1
70°-80°	689.8	12.6
80°-90°	71.6	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°	5477.0	100.0
0°-180°	5477.0	100.0

Coefficient of Utilization

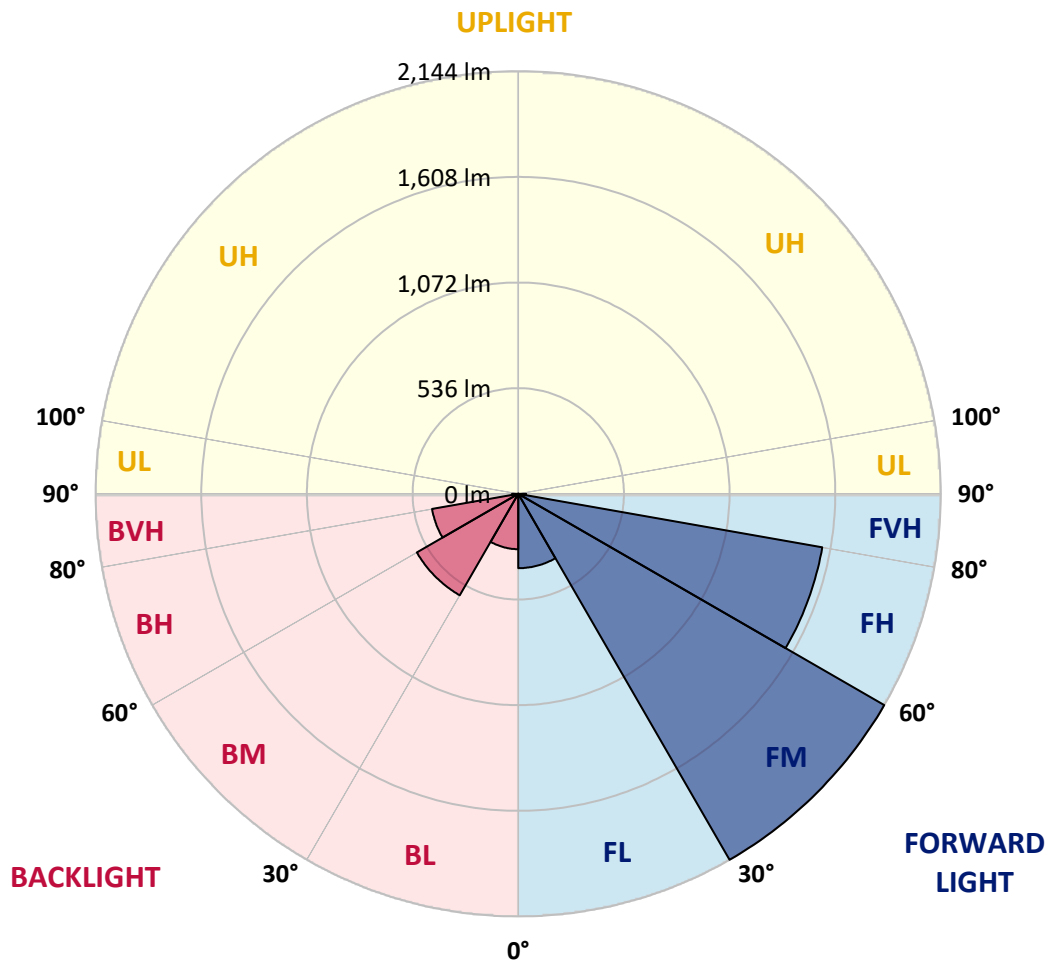


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	377.2	6.9			
FM (30°-60°)	2143.6	39.1			
FH (60°-80°)	1565.9	28.6			G1/1800
FVH (80°-90°)	40.1	0.7			G1/100
BL (0°-30°)	280.9	5.1	B1/500		
BM (30°-60°)	594.0	10.8	B1/1000		
BH (60°-80°)	443.7	8.1	B1/500		G1/500
BVH (80°-90°)	31.5	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0
2.5°	822.2	826.8	825.4	823.9	823.9	821.9	821.6	818.7	816.4	812.6
5°	832.6	837.6	837.0	838.2	841.9	842.8	843.7	841.9	837.3	832.6
7.5°	823.3	828.9	830.6	837.6	849.2	859.7	867.5	870.7	866.4	859.7
10°	792.0	798.1	804.2	820.7	841.4	866.1	887.0	899.5	898.6	892.2
12.5°	728.3	734.7	747.8	780.0	817.8	861.4	900.4	926.5	935.5	930.9
15°	677.4	683.0	692.8	726.0	775.1	841.4	905.3	956.2	979.1	976.5
17.5°	676.0	678.3	684.4	700.1	737.9	810.0	900.1	985.2	1029.1	1028.8
20°	701.6	702.4	705.9	709.1	730.6	786.1	886.7	1009.3	1085.2	1085.2
22.5°	737.0	736.4	739.9	737.0	747.5	784.1	878.3	1030.6	1147.7	1152.3
25°	790.2	787.3	786.4	779.7	781.8	803.0	887.6	1054.7	1221.8	1231.4
27.5°	861.1	856.5	853.3	837.9	832.6	841.9	916.0	1083.7	1304.3	1320.9
30°	953.5	945.1	940.5	913.7	894.8	896.3	959.1	1122.4	1390.6	1417.4
32.5°	1079.7	1066.6	1054.1	1010.2	975.6	964.3	1014.6	1175.9	1484.2	1526.9
35°	1220.9	1210.5	1197.1	1129.4	1076.2	1050.0	1089.6	1250.6	1593.8	1661.5
37.5°	1356.9	1347.9	1354.3	1263.1	1194.5	1156.4	1187.8	1350.8	1728.9	1828.9
40°	1497.6	1490.6	1491.5	1404.3	1324.4	1281.7	1306.9	1476.7	1883.8	2028.0
42.5°	1650.5	1645.2	1627.8	1550.5	1460.7	1420.9	1444.1	1622.0	2050.1	2254.7
45°	1821.6	1818.4	1802.2	1713.5	1610.6	1565.9	1597.3	1782.4	2217.2	2468.0
47.5°	1969.6	1972.2	1970.1	1895.5	1788.8	1723.1	1760.6	1949.8	2372.7	2668.5
50°	2040.8	2054.4	2074.5	2051.2	1985.0	1918.1	1925.4	2111.4	2520.9	2856.6
52.5°	2003.6	2029.4	2084.1	2121.3	2146.8	2132.9	2113.4	2271.8	2660.4	3026.3
55°	1864.9	1901.3	1991.9	2081.7	2212.2	2313.7	2339.2	2449.7	2796.4	3175.7
57.5°	1612.4	1671.4	1752.8	1934.4	2154.1	2401.1	2602.5	2696.4	2940.5	3335.2
60°	1179.4	1258.4	1359.5	1629.8	1950.7	2354.4	2826.6	3075.4	3145.4	3541.8
62.5°	754.8	803.6	896.6	1151.2	1520.0	2114.6	2895.2	3549.1	3492.7	3880.7
65°	516.7	548.1	633.3	776.3	982.6	1574.0	2711.5	3904.3	4044.3	4417.8
67.5°	375.5	399.3	472.0	597.2	640.2	931.5	2104.1	3888.0	4580.5	4971.1
70°	273.8	290.6	351.7	472.0	492.6	518.2	1274.7	3305.0	4568.9	5118.2
72.5°	202.9	214.5	255.5	366.2	398.7	349.9	630.9	2402.0	3926.1	4629.4
75°	146.8	155.5	185.7	280.2	319.1	266.5	314.7	1403.7	2738.6	3256.5
77.5°	112.2	118.9	138.6	205.2	255.5	199.9	195.3	645.8	1298.5	1304.9
80°	90.1	94.5	105.2	144.4	195.9	149.7	127.3	260.7	410.4	347.3
82.5°	66.3	73.5	88.9	101.4	140.1	103.2	77.6	131.7	156.1	134.3
85°	37.8	42.7	53.8	72.7	89.5	63.1	44.5	58.4	72.7	59.6
87.5°	13.4	17.4	18.9	28.5	38.9	26.2	17.1	16.9	23.8	17.7
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°
803.0	0°	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0
811.7	2.5°	808.8	807.4	801.5	793.7	785.6	777.7	775.1	769.6	765.8	763.8
830.6	5°	825.1	820.4	806.8	789.3	771.0	751.3	737.3	724.5	715.2	706.5
856.5	7.5°	848.3	840.2	816.7	786.1	753.6	720.7	696.3	677.7	665.2	657.1
886.7	10°	875.4	862.9	826.8	781.2	730.9	683.8	655.1	639.1	631.2	626.9
921.3	12.5°	906.5	888.7	837.3	769.9	696.3	642.6	622.8	618.2	618.4	618.7
964.9	15°	944.8	920.1	845.7	745.2	651.3	610.9	607.4	615.0	622.8	626.6
1014.3	17.5°	988.1	953.2	847.2	704.5	607.1	590.5	601.6	617.9	629.8	635.0
1069.5	20°	1034.6	987.0	836.7	646.9	570.8	574.0	593.7	614.7	627.7	634.4
1132.6	22.5°	1087.8	1023.0	811.7	586.5	541.1	556.0	579.2	599.6	613.2	619.9
1206.7	25°	1148.5	1063.4	772.5	535.6	515.6	535.6	558.9	575.7	586.8	592.9
1289.5	27.5°	1216.0	1105.5	720.2	495.2	493.2	514.7	533.9	547.0	552.8	557.4
1377.6	30°	1283.7	1143.9	656.8	464.7	473.7	494.1	507.7	513.5	515.3	516.1
1475.8	32.5°	1356.9	1177.0	590.3	439.4	455.1	474.0	482.1	484.8	476.6	471.1
1594.9	35°	1445.6	1212.5	525.2	419.4	436.8	453.1	455.7	453.4	443.8	432.4
1744.3	37.5°	1555.1	1256.7	473.1	405.1	419.7	430.4	427.2	426.6	427.5	414.1
1923.9	40°	1689.4	1314.2	435.1	394.1	405.7	408.0	399.0	404.0	408.3	388.0
2121.0	42.5°	1838.5	1383.7	410.9	386.5	394.1	388.6	374.6	380.1	379.6	352.8
2318.9	45°	1990.5	1459.2	402.5	381.0	383.3	372.3	356.9	358.3	346.1	322.0
2508.7	47.5°	2141.6	1540.3	407.7	376.4	370.0	357.5	345.6	339.2	321.1	303.1
2690.6	50°	2289.8	1625.5	426.9	367.1	351.7	344.4	335.7	324.3	305.2	289.8
2862.7	52.5°	2427.3	1711.2	448.4	351.7	328.7	333.1	327.5	314.5	295.6	279.9
3025.4	55°	2557.5	1796.9	456.9	330.4	307.2	323.2	320.0	295.9	273.2	260.4
3195.7	57.5°	2699.3	1900.1	447.6	303.4	289.8	311.8	299.6	272.9	259.8	250.2
3417.5	60°	2895.8	2062.0	427.5	270.0	273.2	295.0	274.1	263.0	248.8	238.0
3749.9	62.5°	3222.2	2363.9	395.2	236.9	253.7	270.0	261.9	250.8	236.3	225.8
4318.4	65°	3704.6	2783.6	334.5	211.0	231.9	245.6	248.8	237.7	222.6	211.6
4816.5	67.5°	4111.5	3046.9	253.1	189.5	209.5	225.8	234.8	224.1	208.1	197.3
4933.1	70°	4089.1	2855.7	193.3	168.3	189.8	206.3	218.0	209.5	192.4	182.2
4480.9	72.5°	3631.9	2388.9	156.4	146.8	169.7	186.0	199.9	193.6	176.1	166.2
3282.6	75°	2668.2	1695.8	125.0	125.0	144.7	164.8	180.2	176.1	160.1	153.2
1378.1	77.5°	1124.7	711.4	97.9	103.8	120.3	141.5	160.7	162.2	148.2	156.9
364.4	80°	299.1	196.2	74.7	81.7	94.5	116.8	139.8	139.2	124.1	116.0
135.4	82.5°	113.9	77.3	53.2	57.5	68.3	89.5	110.7	114.2	99.1	85.7
53.2	85°	43.9	33.1	32.8	34.6	39.8	59.3	83.7	86.6	74.7	63.4
14.8	87.5°	11.3	9.9	12.2	11.6	18.3	31.7	48.0	49.7	45.6	26.4
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°
<hr/>
803.0
766.1
710.0
658.8
628.0
619.3
626.3
636.2
636.2
621.6
594.6
559.2
518.2
472.8
433.0
415.0
388.6
352.5
322.9
303.1
288.6
280.2
259.2
249.4
237.4
225.8
212.2
197.6
183.1
166.2
151.1
142.4
107.8
85.7
65.4
37.8
0.0

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