

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: P846126

Luminaire Tested: **GLAN-SB1C-835-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846126
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-835-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6146 lumens
Efficiency: N/A
Efficacy: 113.0 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

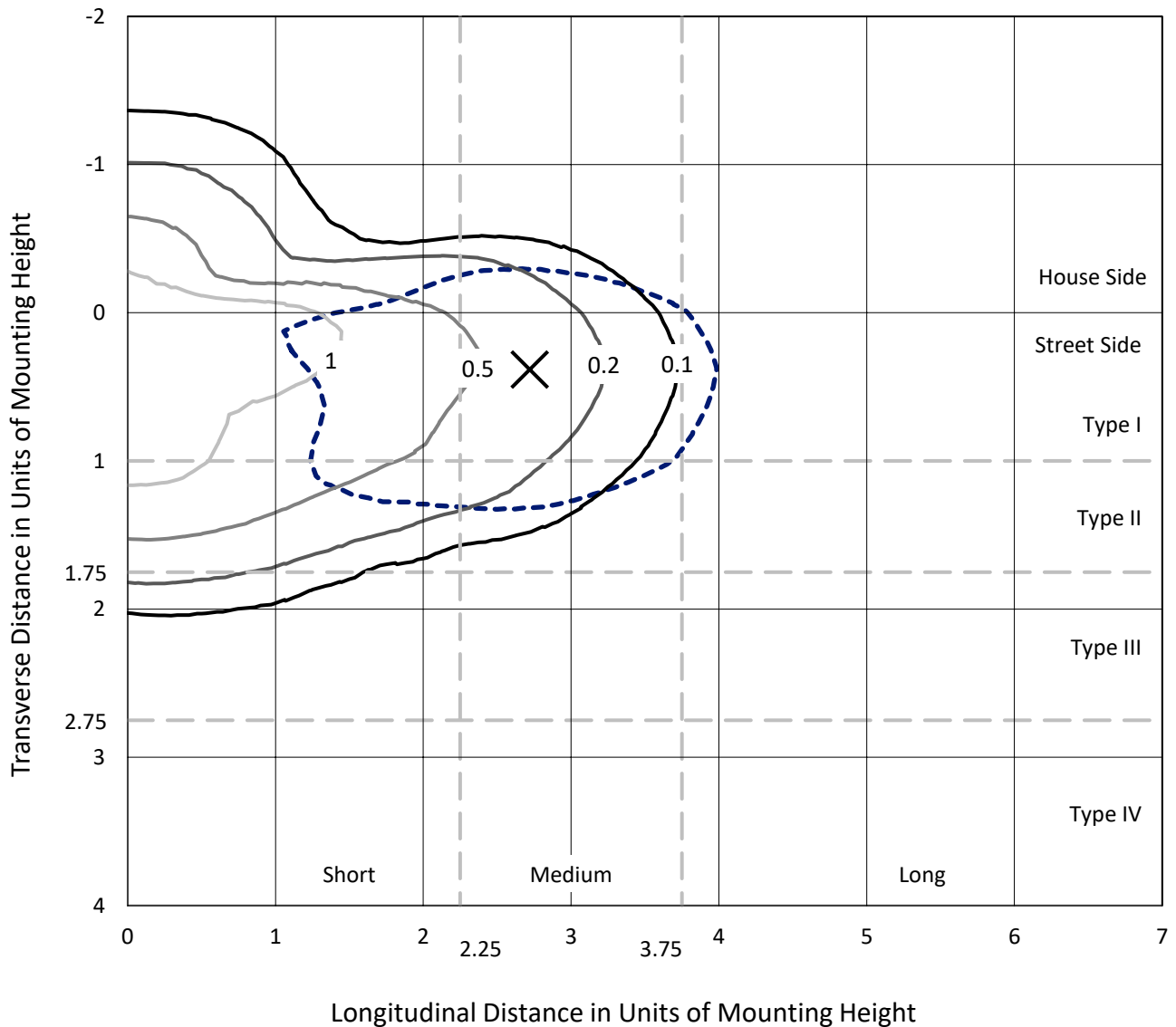
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

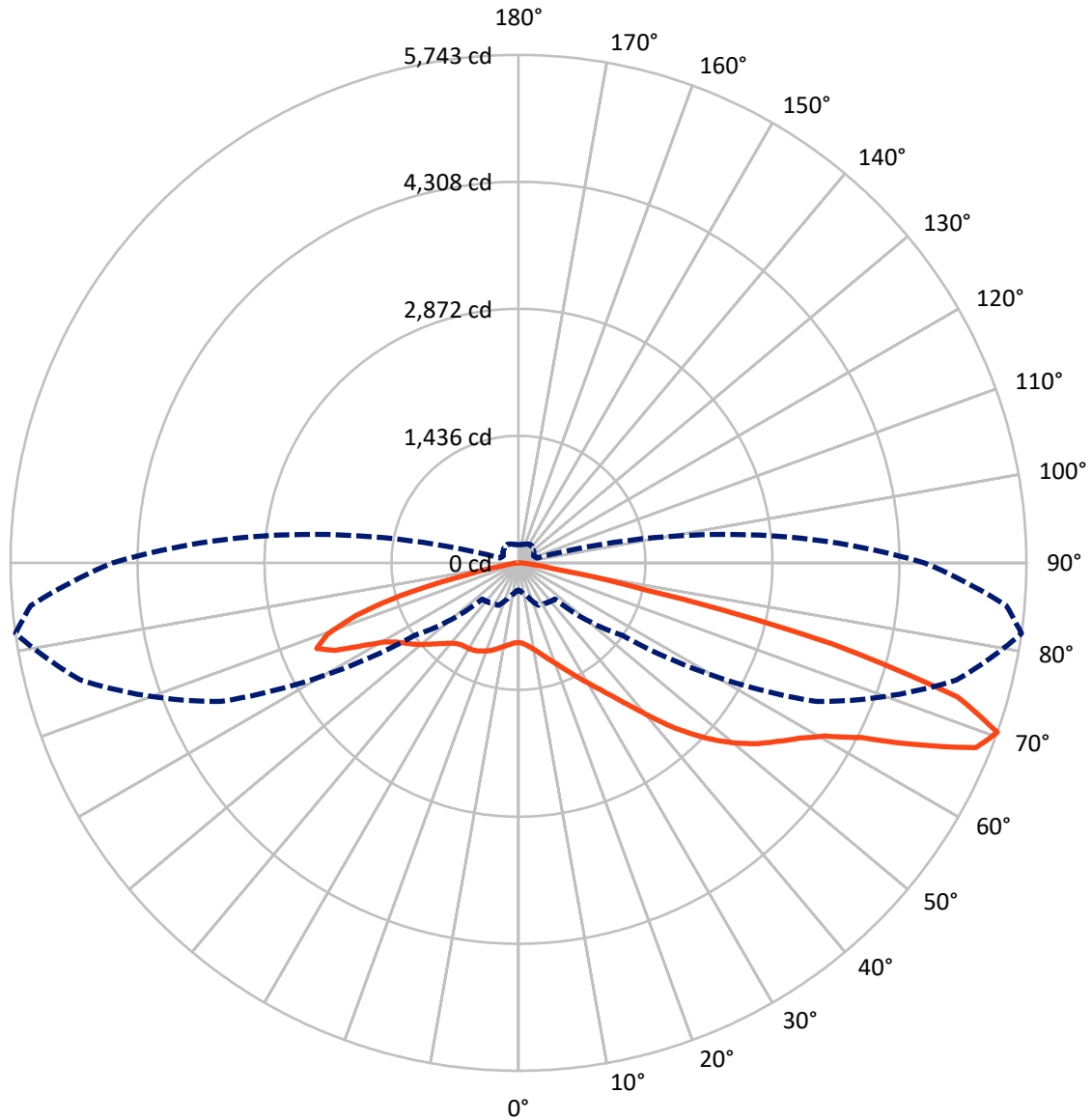
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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	1515.1	0.0	1515.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	4630.9	0.0	4630.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	6146.0	0.0	6146.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	1.4
10°-20°	244.4	4.0
20°-30°	408.9	6.7
30°-40°	638.8	10.4
40°-50°	1017.4	16.6
50°-60°	1415.8	23.0
60°-70°	1481.0	24.1
70°-80°	774.1	12.6
80°-90°	80.4	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°	6146.0	100.0
0°-180°	6146.0	100.0

Coefficient of Utilization

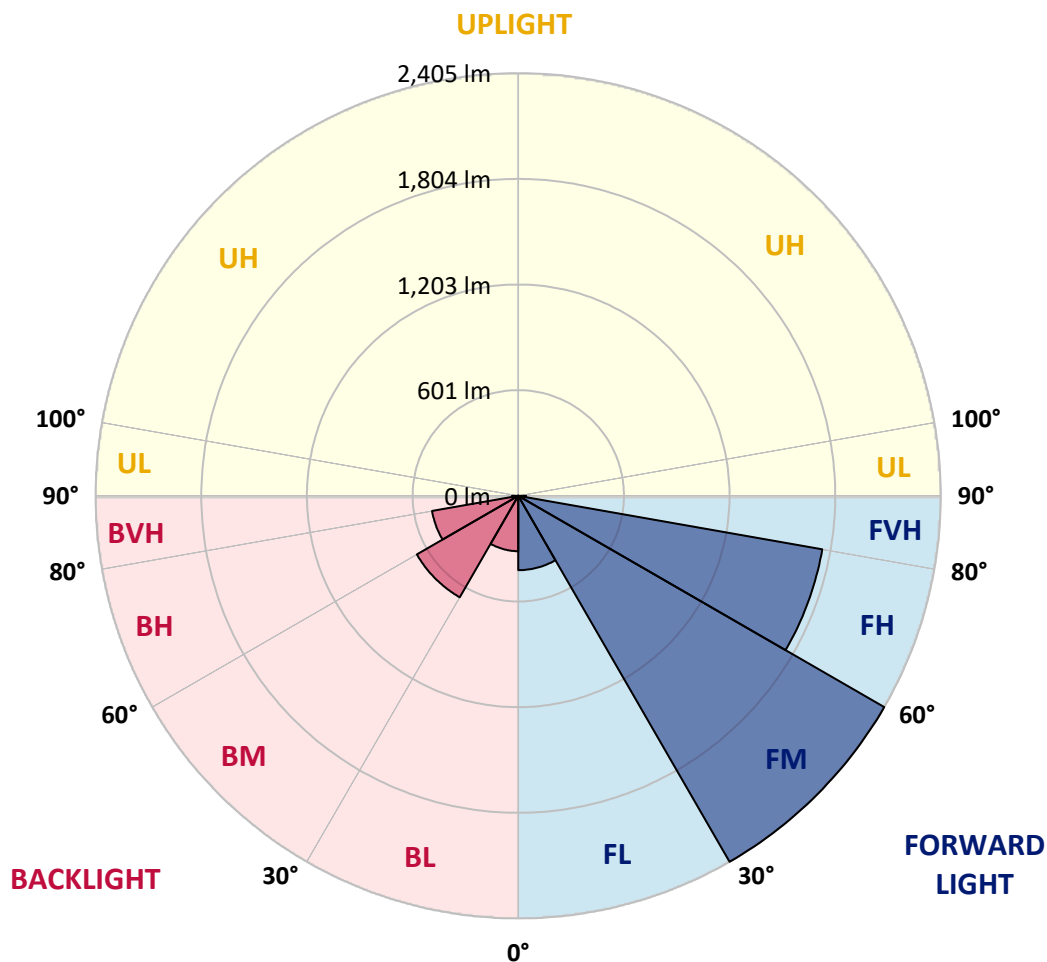


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	423.2	6.9			
FM (30°-60°)	2405.5	39.1			
FH (60°-80°)	1757.2	28.6			G1/1800
FVH (80°-90°)	45.0	0.7			G1/100
BL (0°-30°)	315.2	5.1	B1/500		
BM (30°-60°)	666.6	10.8	B1/1000		
BH (60°-80°)	497.9	8.1	B1/500		G1/500
BVH (80°-90°)	35.4	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°	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1
2.5°	922.6	927.8	926.2	924.6	924.6	922.3	922.0	918.7	916.1	911.8
5°	934.3	939.9	939.2	940.5	944.8	945.8	946.7	944.8	939.6	934.3
7.5°	923.9	930.1	932.1	939.9	952.9	964.7	973.5	977.1	972.2	964.7
10°	888.7	895.5	902.4	921.0	944.1	971.8	995.3	1009.4	1008.4	1001.2
12.5°	817.3	824.4	839.1	875.3	917.7	966.6	1010.3	1039.7	1049.8	1044.6
15°	760.2	766.4	777.5	814.7	869.8	944.1	1015.9	1072.9	1098.7	1095.8
17.5°	758.6	761.2	768.0	785.6	828.0	908.9	1010.0	1105.6	1154.8	1154.5
20°	787.3	788.2	792.2	795.7	819.9	882.2	995.0	1132.6	1217.7	1217.7
22.5°	827.1	826.4	830.3	827.1	838.8	879.9	985.5	1156.4	1287.9	1293.1
25°	886.7	883.5	882.5	875.0	877.3	901.1	996.0	1183.5	1371.0	1381.8
27.5°	966.3	961.1	957.5	940.2	934.3	944.8	1027.9	1216.1	1463.6	1482.2
30°	1070.0	1060.6	1055.3	1025.3	1004.1	1005.8	1076.2	1259.5	1560.5	1590.5
32.5°	1211.6	1196.9	1182.9	1133.6	1094.8	1082.1	1138.5	1319.5	1665.5	1713.5
35°	1370.0	1358.3	1343.3	1267.3	1207.6	1178.3	1222.6	1403.3	1788.5	1864.5
37.5°	1522.7	1512.6	1519.7	1417.3	1340.4	1297.6	1332.9	1515.8	1940.1	2052.3
40°	1680.5	1672.7	1673.7	1575.8	1486.1	1438.2	1466.6	1657.0	2113.9	2275.7
42.5°	1852.1	1846.2	1826.6	1739.9	1639.1	1594.4	1620.5	1820.1	2300.5	2530.1
45°	2044.1	2040.6	2022.3	1922.8	1807.4	1757.2	1792.4	2000.1	2488.0	2769.4
47.5°	2210.1	2213.1	2210.8	2127.0	2007.3	1933.6	1975.7	2188.0	2662.5	2994.5
50°	2290.0	2305.4	2327.9	2301.8	2227.4	2152.4	2160.6	2369.3	2828.8	3205.5
52.5°	2248.3	2277.3	2338.6	2380.4	2409.1	2393.4	2371.6	2549.3	2985.3	3395.9
55°	2092.7	2133.5	2235.3	2336.0	2482.5	2596.3	2625.0	2748.9	3138.0	3563.6
57.5°	1809.3	1875.5	1966.9	2170.7	2417.2	2694.4	2920.4	3025.8	3299.7	3742.6
60°	1323.4	1412.1	1525.6	1828.9	2188.9	2641.9	3171.9	3451.0	3529.6	3974.5
62.5°	846.9	901.7	1006.1	1291.8	1705.6	2372.9	3248.8	3982.6	3919.4	4354.7
65°	579.8	615.1	710.6	871.1	1102.6	1766.3	3042.7	4381.1	4538.3	4957.4
67.5°	421.4	448.1	529.6	670.2	718.5	1045.2	2361.1	4362.9	5140.0	5578.4
70°	307.2	326.1	394.6	529.6	552.8	581.5	1430.4	3708.7	5127.0	5743.4
72.5°	227.6	240.7	286.7	410.9	447.4	392.7	708.0	2695.4	4405.6	5194.8
75°	164.7	174.5	208.4	314.4	358.1	299.1	353.2	1575.2	3073.1	3654.2
77.5°	125.9	133.4	155.6	230.2	286.7	224.4	219.2	724.6	1457.1	1464.3
80°	101.1	106.0	118.1	162.1	219.8	168.0	142.8	292.5	460.5	389.7
82.5°	74.4	82.5	99.8	113.8	157.2	115.8	87.1	147.7	175.1	150.7
85°	42.4	47.9	60.3	81.5	100.4	70.8	49.9	65.6	81.5	66.9
87.5°	15.0	19.6	21.2	32.0	43.7	29.4	19.2	18.9	26.7	19.9
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°
901.1	0°	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1	901.1
910.9	2.5°	907.6	906.0	899.4	890.6	881.5	872.7	869.8	863.6	859.3	857.1
932.1	5°	925.9	920.6	905.3	885.8	865.2	843.0	827.4	813.0	802.6	792.8
961.1	7.5°	952.0	942.8	916.4	882.2	845.6	808.8	781.4	760.5	746.5	737.4
995.0	10°	982.3	968.3	927.8	876.6	820.2	767.4	735.1	717.1	708.3	703.4
1033.8	12.5°	1017.2	997.3	939.6	863.9	781.4	721.1	698.9	693.7	694.0	694.3
1082.7	15°	1060.2	1032.5	949.0	836.2	730.8	685.5	681.6	690.1	698.9	703.1
1138.2	17.5°	1108.8	1069.7	950.7	790.5	681.3	662.7	675.1	693.3	706.7	712.6
1200.1	20°	1161.0	1107.5	938.9	726.0	640.5	644.1	666.3	689.8	704.4	711.9
1270.9	22.5°	1220.7	1148.0	910.9	658.1	607.2	623.9	650.0	672.8	688.1	695.6
1354.1	25°	1288.8	1193.3	866.8	601.0	578.5	601.0	627.1	646.1	658.4	665.3
1447.0	27.5°	1364.5	1240.6	808.1	555.7	553.4	577.6	599.1	613.8	620.3	625.5
1545.8	30°	1440.5	1283.6	737.0	521.5	531.6	554.4	569.7	576.3	578.2	579.2
1656.1	32.5°	1522.7	1320.8	662.4	493.1	510.7	531.9	541.0	544.0	534.8	528.6
1789.8	35°	1622.1	1360.6	589.3	470.6	490.2	508.4	511.4	508.8	498.0	485.3
1957.4	37.5°	1745.1	1410.2	530.9	454.6	470.9	483.0	479.4	478.7	479.7	464.7
2158.9	40°	1895.8	1474.7	488.2	442.2	455.3	457.9	447.8	453.3	458.2	435.4
2380.1	42.5°	2063.1	1552.7	461.1	433.7	442.2	436.0	420.4	426.6	425.9	395.9
2602.1	45°	2233.6	1637.5	451.7	427.5	430.2	417.8	400.5	402.1	388.4	361.3
2815.1	47.5°	2403.2	1728.5	457.6	422.3	415.2	401.1	387.8	380.6	360.4	340.1
3019.3	50°	2569.5	1824.0	479.1	411.9	394.6	386.5	376.7	364.0	342.4	325.1
3212.3	52.5°	2723.8	1920.2	503.2	394.6	368.8	373.7	367.5	352.9	331.7	314.1
3395.0	55°	2869.9	2016.4	512.7	370.8	344.7	362.6	359.1	332.0	306.6	292.2
3586.1	57.5°	3029.0	2132.2	502.2	340.5	325.1	349.9	336.2	306.2	291.6	280.8
3834.9	60°	3249.5	2313.8	479.7	303.0	306.6	331.0	307.5	295.1	279.2	267.1
4208.0	62.5°	3615.7	2652.7	443.5	265.8	284.7	303.0	293.8	281.4	265.1	253.4
4845.9	65°	4157.1	3123.6	375.4	236.8	260.2	275.6	279.2	266.8	249.8	237.4
5404.9	67.5°	4613.7	3419.1	284.1	212.6	235.1	253.4	263.5	251.4	233.5	221.4
5535.6	70°	4588.6	3204.5	216.9	188.8	213.0	231.5	244.6	235.1	215.9	204.5
5028.2	72.5°	4075.6	2680.7	175.5	164.7	190.5	208.7	224.4	217.2	197.6	186.5
3683.6	75°	2994.1	1902.9	140.2	140.2	162.4	184.9	202.2	197.6	179.7	171.9
1546.5	77.5°	1262.1	798.4	109.9	116.4	135.0	158.8	180.3	182.0	166.3	176.1
409.0	80°	335.6	220.1	83.8	91.6	106.0	131.1	156.9	156.2	139.3	130.1
152.0	82.5°	127.8	86.7	59.7	64.6	76.6	100.4	124.3	128.2	111.2	96.2
59.7	85°	49.2	37.2	36.9	38.8	44.7	66.5	93.9	97.2	83.8	71.1
16.6	87.5°	12.7	11.1	13.7	13.0	20.5	35.5	53.8	55.8	51.2	29.7
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

<u>180°</u>
901.1
859.7
796.7
739.3
704.8
695.0
702.8
713.9
713.9
697.6
667.2
627.5
581.5
530.6
485.9
465.7
436.0
395.6
362.3
340.1
323.8
314.4
290.9
279.8
266.4
253.4
238.1
221.8
205.5
186.5
169.6
159.8
121.0
96.2
73.4
42.4
0.0

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