

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: P845723

Luminaire Tested: **GLAN-SB1A-735-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845723  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1A-735-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4365 lumens  
Efficiency: N/A  
Efficacy: 141.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

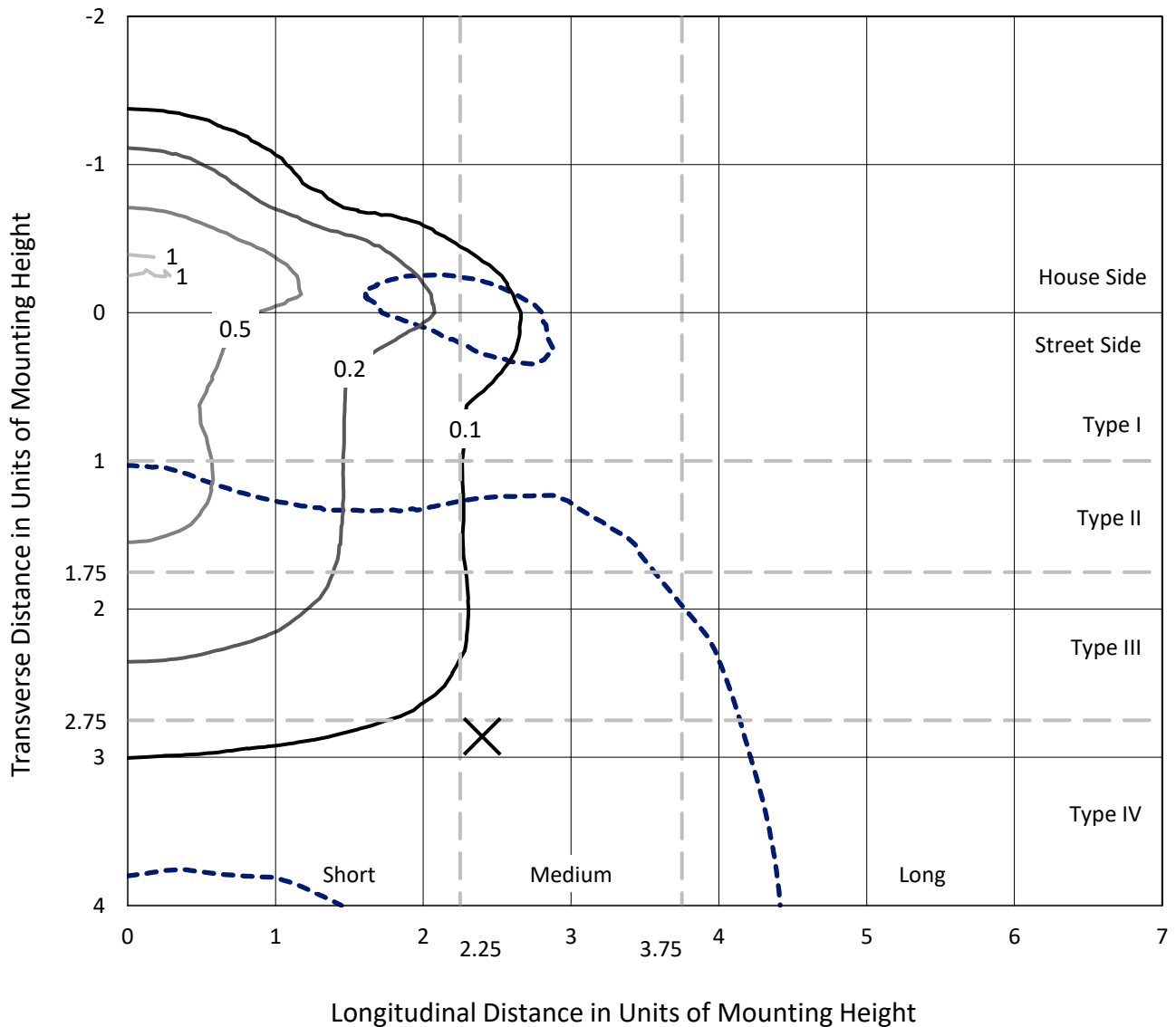
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

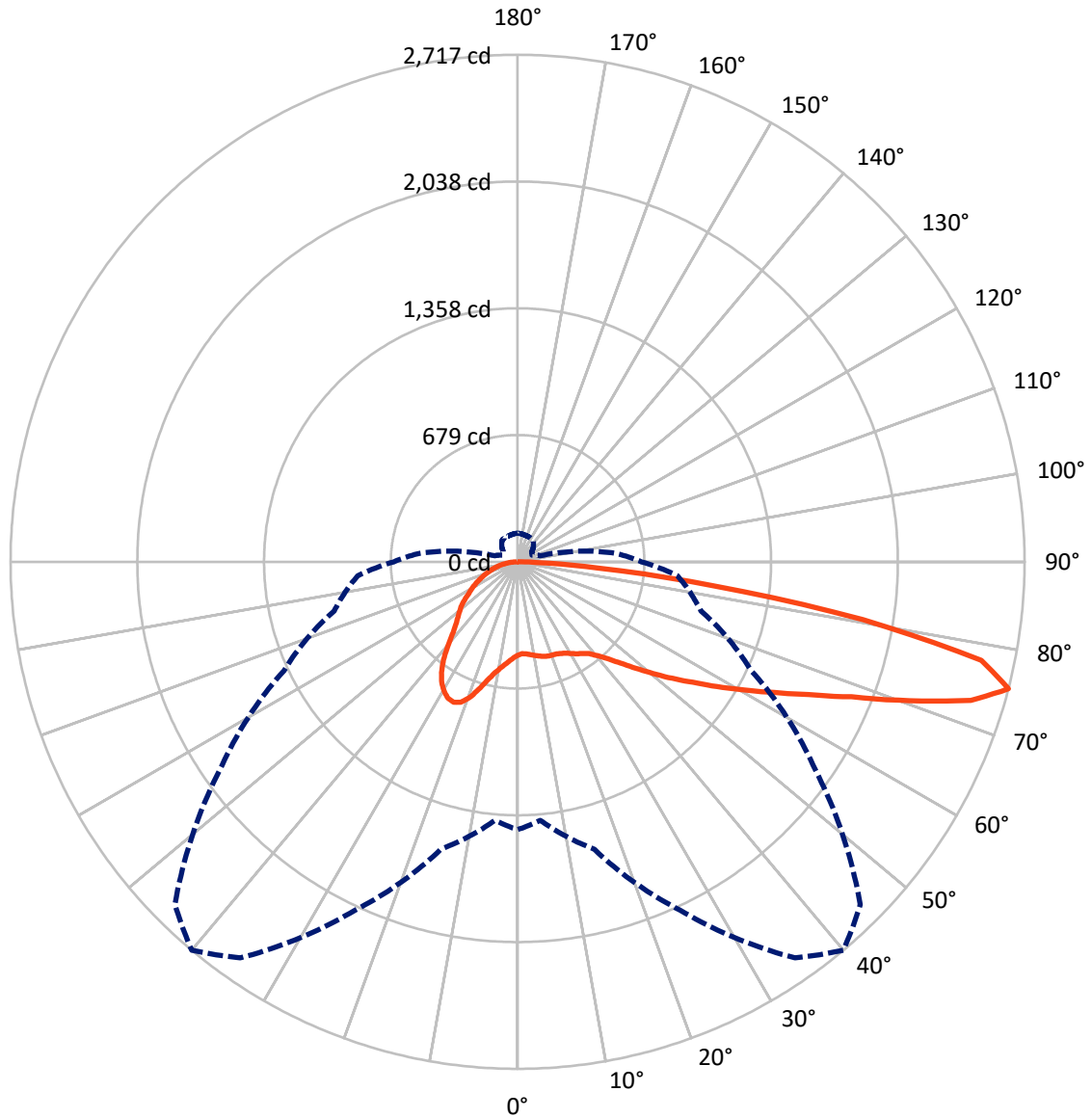
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1352.4	0.0	1352.4
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	3012.6	0.0	3012.6
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	4365.0	0.0	4365.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	49.8	1.1
10°-20°	167.3	3.8
20°-30°	305.4	7.0
30°-40°	433.2	9.9
40°-50°	585.0	13.4
50°-60°	786.9	18.0
60°-70°	998.8	22.9
70°-80°	906.5	20.8
80°-90°	132.1	3.0
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°	4365.0	100.0
0°-180°	4365.0	100.0

**Coefficient of Utilization**

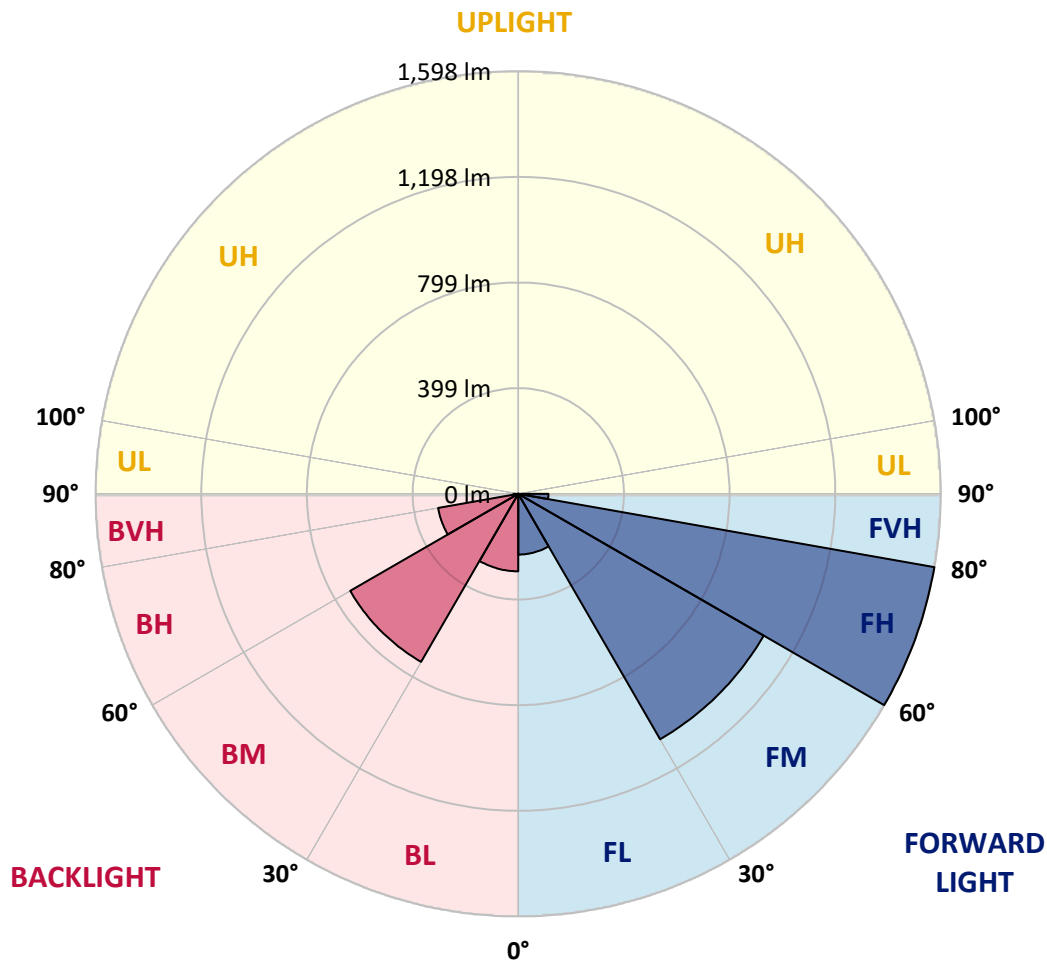


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.6	5.3			
FM (30°-60°)	1071.5	24.5			
FH (60°-80°)	1597.5	36.6			G1/1800
FVH (80°-90°)	113.9	2.6			G2/225
BL (0°-30°)	292.9	6.7	B1/500		
BM (30°-60°)	733.6	16.8	B1/1000		
BH (60°-80°)	307.7	7.0	B1/500		G1/500
BVH (80°-90°)	18.2	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	499.1	499.1	499.1	499.1	499.1	499.1	499.1	499.1	499.1	499.1
2.5°	491.5	494.3	493.6	492.7	492.7	492.9	492.7	494.3	495.9	497.5
5°	496.6	499.4	498.0	496.8	495.9	495.7	495.0	494.7	495.7	497.8
7.5°	506.6	509.3	507.2	505.2	503.3	502.4	501.5	500.1	499.4	500.5
10°	517.7	520.4	517.9	514.2	511.2	510.0	509.1	507.7	506.8	507.5
12.5°	528.8	531.6	528.1	523.0	519.1	518.4	517.2	516.7	516.5	516.3
15°	539.2	541.5	537.1	531.1	526.9	525.8	524.6	525.3	526.5	527.9
17.5°	547.3	549.6	543.1	535.3	531.3	530.9	530.2	532.5	535.7	539.2
20°	554.7	557.0	548.7	538.0	533.4	533.4	533.6	538.5	543.1	548.2
22.5°	565.1	567.0	556.8	542.2	535.5	536.0	537.8	542.7	548.5	555.4
25°	580.6	582.0	569.5	550.1	542.4	543.8	545.4	547.8	553.3	561.4
27.5°	605.6	606.8	590.4	564.0	552.4	554.7	557.0	555.4	557.9	564.9
30°	640.8	641.5	620.7	585.7	569.3	570.4	570.9	564.2	559.3	564.9
32.5°	682.5	682.3	657.5	612.1	588.5	587.4	583.4	570.2	558.9	563.7
35°	747.1	744.5	712.6	649.2	610.3	603.1	593.8	576.9	561.2	562.6
37.5°	854.1	846.2	802.0	709.8	642.7	624.4	610.7	587.8	566.3	562.1
40°	974.7	964.7	916.1	792.9	691.3	661.9	639.9	603.3	574.6	564.2
42.5°	1117.7	1103.6	1051.3	890.9	752.9	710.3	677.2	623.0	586.9	570.9
45°	1293.5	1274.7	1200.6	1001.3	830.4	773.7	729.5	652.9	605.6	583.9
47.5°	1471.0	1475.7	1370.3	1127.7	923.5	852.0	795.0	697.8	633.0	604.7
50°	1659.7	1663.0	1539.1	1267.8	1029.1	940.4	868.6	748.0	670.9	634.3
52.5°	1807.0	1807.4	1692.4	1414.3	1139.0	1037.6	948.0	805.4	714.9	673.7
55°	1899.1	1897.9	1799.8	1553.0	1265.5	1139.7	1036.0	870.7	768.6	720.0
57.5°	1966.0	1962.5	1873.9	1672.2	1400.2	1260.4	1135.6	944.8	832.1	775.1
60°	1991.5	1989.4	1924.1	1775.2	1541.9	1393.7	1250.4	1027.7	904.1	840.2
62.5°	2001.2	2005.1	1973.4	1875.0	1693.5	1541.4	1376.6	1126.8	985.1	913.8
65°	2035.5	2042.6	2036.2	2005.6	1864.8	1714.4	1544.0	1244.6	1073.5	992.7
67.5°	2103.3	2110.5	2113.3	2161.9	2074.1	1929.9	1752.8	1391.4	1177.0	1074.7
70°	2101.7	2099.6	2148.7	2286.2	2336.2	2228.3	2034.3	1572.0	1300.4	1142.8
72.5°	1913.0	1896.3	2012.3	2284.8	2554.3	2539.9	2378.1	1804.9	1406.9	1151.1
75°	1435.2	1390.7	1595.6	2059.1	2590.6	2716.8	2596.7	1949.3	1381.7	1017.0
77.5°	613.7	569.1	810.5	1524.3	2318.6	2539.7	2396.2	1700.7	1102.9	672.5
80°	160.7	160.4	244.9	691.1	1576.8	1875.5	1645.4	1098.3	630.2	240.3
82.5°	66.4	64.8	90.1	268.8	770.5	1052.5	858.9	489.9	227.6	65.1
85°	24.8	24.5	43.8	92.8	271.8	434.1	314.2	125.2	56.7	31.7
87.5°	6.9	6.7	9.5	32.2	66.2	100.5	53.7	20.6	16.0	12.5
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°
499.1	0°	499.1	499.1	499.1	499.1	499.1	499.1	499.1	499.1	499.1	499.1
500.1	2.5°	500.8	501.9	504.0	505.6	507.7	510.0	513.3	515.3	517.4	518.8
501.2	5°	502.8	505.4	510.7	516.0	522.3	528.1	534.8	539.7	543.6	544.8
505.4	7.5°	507.5	511.6	520.7	529.7	539.7	549.2	558.9	567.2	573.9	576.5
512.8	10°	515.6	521.1	533.9	546.6	559.8	574.4	586.9	598.9	608.4	612.4
521.6	12.5°	525.8	532.7	549.4	567.0	585.3	605.4	621.6	636.4	648.2	653.6
533.9	15°	539.0	548.0	569.3	592.9	619.8	647.8	668.4	684.8	698.0	704.5
546.6	17.5°	553.3	565.4	592.2	627.9	666.3	703.1	727.2	739.2	752.9	759.1
558.4	20°	567.2	582.0	620.5	672.3	723.5	762.6	782.1	785.3	786.2	786.9
569.5	22.5°	581.6	601.5	655.9	728.3	783.2	810.3	813.1	799.2	779.7	770.7
580.4	25°	597.3	623.7	702.2	790.2	834.6	837.8	816.5	782.7	745.9	729.0
589.2	27.5°	612.6	649.4	757.7	849.2	871.6	843.2	797.3	749.4	705.0	687.1
595.5	30°	627.9	678.8	819.1	900.8	888.5	830.0	767.0	713.5	668.8	650.1
601.0	32.5°	643.4	713.1	889.7	938.1	885.5	802.0	729.3	673.2	633.9	614.2
605.9	35°	661.0	755.2	956.6	958.5	865.4	760.8	679.5	625.1	590.8	575.1
611.7	37.5°	683.9	808.7	1015.7	963.6	830.2	700.3	617.7	568.1	539.9	532.7
620.2	40°	712.4	873.0	1060.8	955.5	778.1	626.9	550.1	510.5	494.5	496.1
631.8	42.5°	749.4	945.0	1092.5	934.6	705.7	551.2	490.8	473.2	480.9	487.3
649.2	45°	797.6	1019.8	1112.2	899.2	623.7	487.1	455.9	460.0	465.8	466.5
677.2	47.5°	859.1	1095.5	1125.2	845.7	540.1	442.0	433.6	434.6	433.4	428.5
719.1	50°	936.0	1169.1	1136.7	774.9	469.0	413.7	402.6	399.4	383.4	367.6
774.9	52.5°	1023.5	1236.7	1141.6	686.9	413.7	390.1	372.0	351.7	321.8	316.9
845.0	55°	1120.8	1299.3	1129.1	578.8	367.2	359.8	332.5	307.9	304.7	300.5
937.4	57.5°	1237.0	1366.6	1103.6	458.2	319.5	324.4	297.7	300.5	294.7	288.2
1056.2	60°	1364.1	1436.3	1058.9	348.2	270.2	280.1	288.7	288.5	286.8	281.5
1181.4	62.5°	1478.4	1482.2	971.0	266.7	226.9	245.9	269.3	269.0	267.6	264.6
1312.2	65°	1546.5	1475.2	824.2	210.0	191.2	217.6	242.9	244.7	244.9	244.7
1410.6	67.5°	1534.5	1393.9	622.8	167.2	161.8	188.9	216.7	219.2	221.1	221.6
1423.1	70°	1398.3	1215.4	406.1	133.4	135.7	163.7	191.9	194.5	196.1	197.9
1234.9	72.5°	1090.0	893.6	232.4	107.9	112.7	141.9	167.4	170.4	171.3	174.8
859.4	75°	664.2	525.5	125.5	85.0	92.6	121.3	143.1	146.5	148.2	152.3
422.0	77.5°	315.8	227.6	71.5	66.2	74.5	99.1	120.9	124.8	120.4	122.7
116.5	80°	106.7	84.5	45.1	50.5	57.0	77.3	96.8	100.7	91.4	91.0
38.7	82.5°	37.3	34.3	28.7	33.6	36.8	55.3	73.2	78.3	68.1	67.8
17.4	85°	14.6	13.9	16.0	18.3	22.0	34.0	48.2	50.7	41.9	33.8
5.1	87.5°	3.0	3.2	3.9	4.2	6.7	11.8	17.4	21.3	16.9	14.4
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°
499.1
517.9
545.2
576.7
612.6
653.6
704.0
758.9
788.8
773.3
731.6
689.2
652.2
616.8
578.6
537.8
501.7
493.4
471.1
432.2
369.7
318.6
301.2
287.1
279.7
263.5
244.7
222.0
198.9
176.2
152.8
120.9
90.1
64.6
33.3
13.2
0.0

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