

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: P845863

Luminaire Tested: **GLAN-SB1B-722-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845863  
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-SB1B-722-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

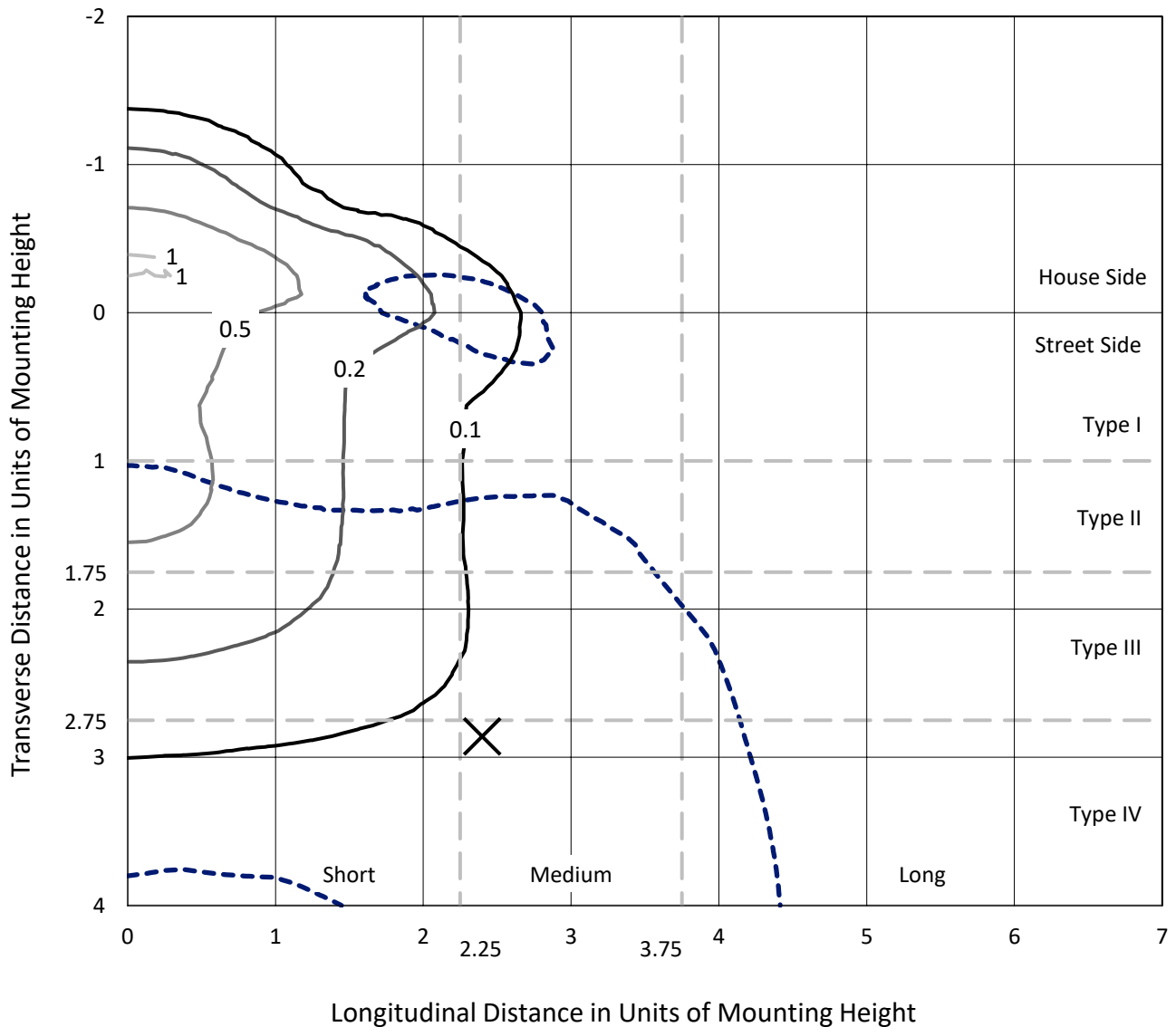
Lumens per Lamp: N/A  
Luminaire Lumens: 4366 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

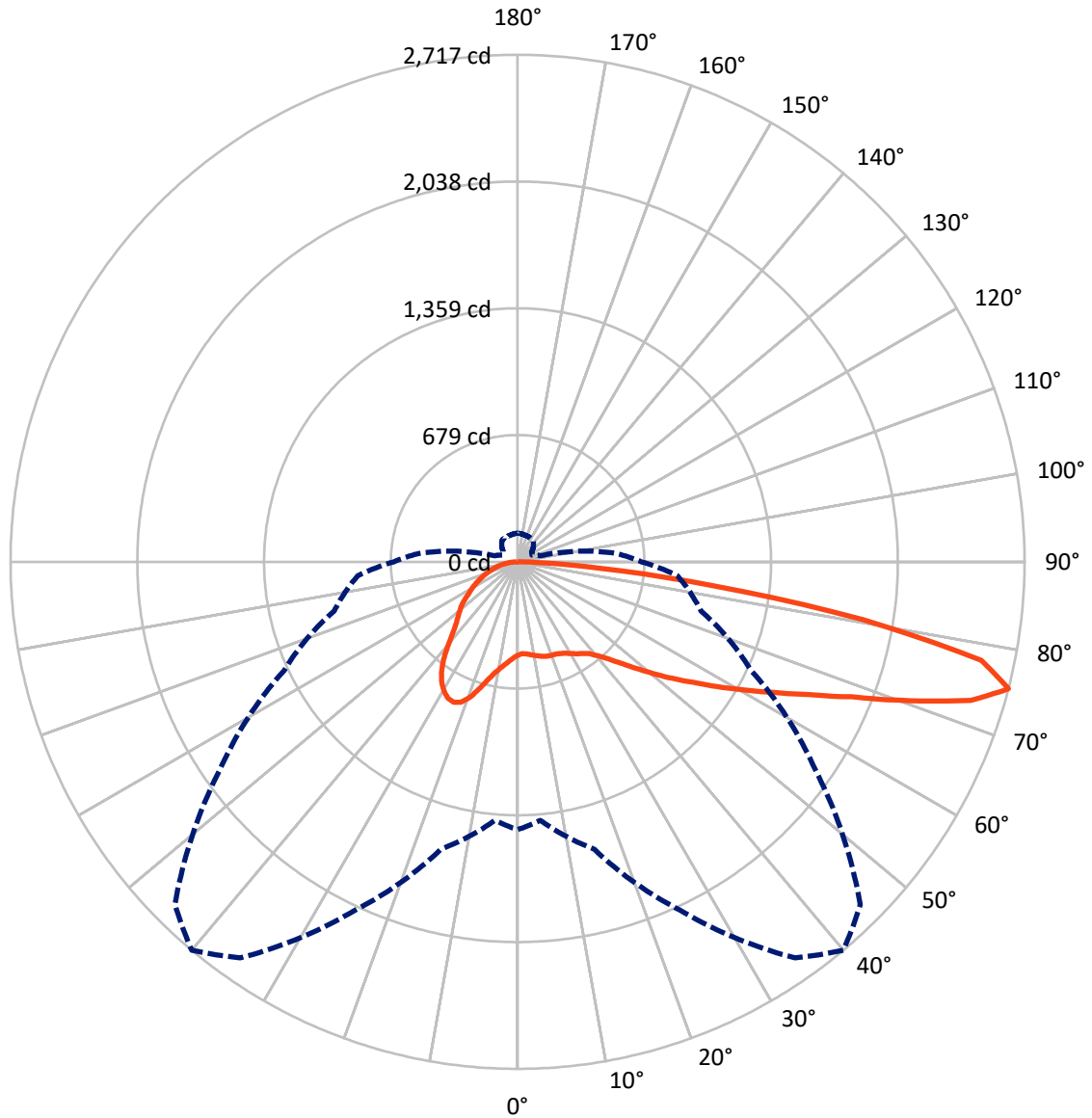
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 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	1352.7	0.0	1352.7
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	3013.3	0.0	3013.3
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	4366.0	0.0	4366.0
	% 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°	305.5	7.0
30°-40°	433.3	9.9
40°-50°	585.1	13.4
50°-60°	787.1	18.0
60°-70°	999.0	22.9
70°-80°	906.7	20.8
80°-90°	132.2	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°	4366.0	100.0
0°-180°	4366.0	100.0

**Coefficient of Utilization**



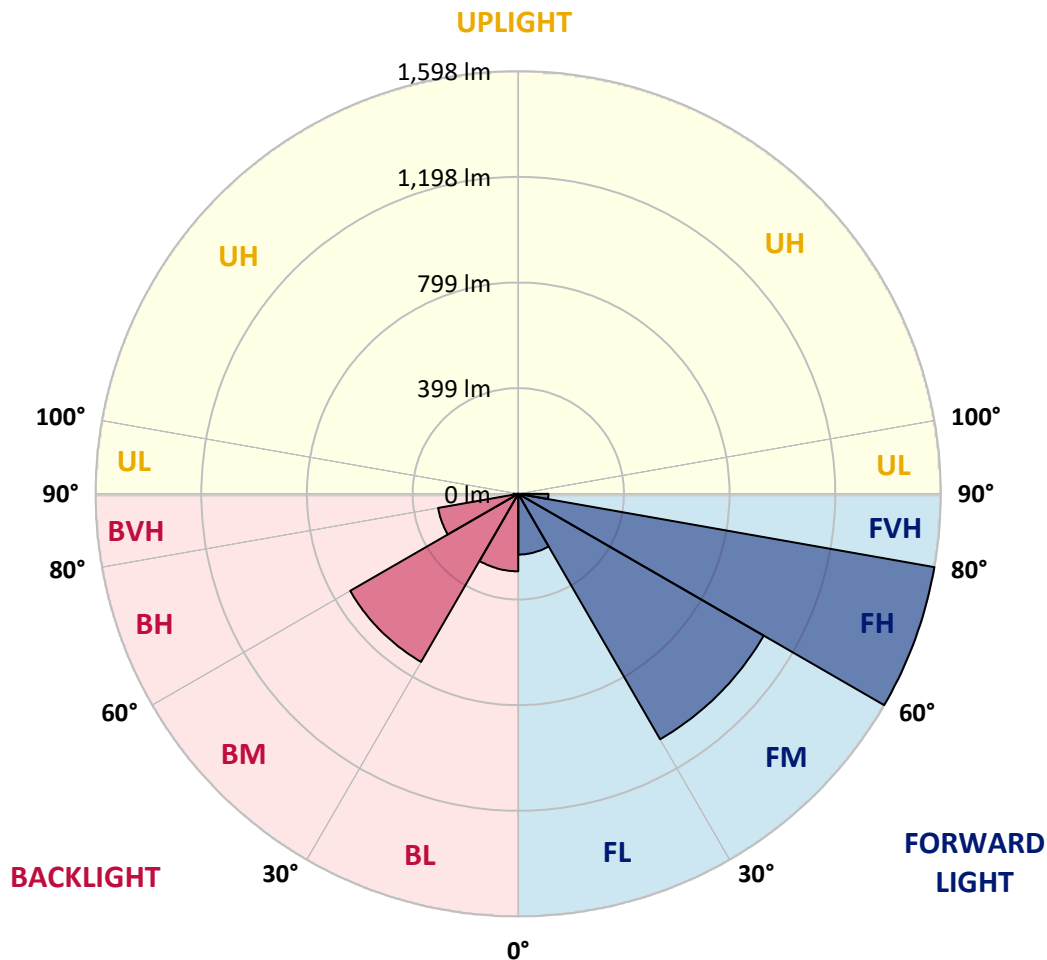
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.7	5.3			
FM (30°-60°)	1071.8	24.5			
FH (60°-80°)	1597.9	36.6			G1/1800
FVH (80°-90°)	114.0	2.6			G2/225
BL (0°-30°)	293.0	6.7	B1/500		
BM (30°-60°)	733.7	16.8	B1/1000		
BH (60°-80°)	307.8	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°	499.3	499.3	499.3	499.3	499.3	499.3	499.3	499.3	499.3	499.3
2.5°	491.6	494.4	493.7	492.8	492.8	493.0	492.8	494.4	496.0	497.6
5°	496.7	499.5	498.1	496.9	496.0	495.8	495.1	494.9	495.8	497.9
7.5°	506.7	509.4	507.4	505.3	503.4	502.5	501.6	500.2	499.5	500.6
10°	517.8	520.6	518.0	514.3	511.3	510.1	509.2	507.8	506.9	507.6
12.5°	528.9	531.7	528.2	523.1	519.2	518.5	517.3	516.9	516.6	516.4
15°	539.3	541.6	537.2	531.2	527.0	525.9	524.7	525.4	526.6	528.0
17.5°	547.4	549.7	543.3	535.4	531.4	531.0	530.3	532.6	535.8	539.3
20°	554.8	557.1	548.8	538.2	533.5	533.5	533.8	538.6	543.3	548.4
22.5°	565.3	567.1	556.9	542.3	535.6	536.1	537.9	542.8	548.6	555.5
25°	580.8	582.2	569.7	550.2	542.6	544.0	545.6	547.9	553.4	561.5
27.5°	605.8	606.9	590.5	564.1	552.5	554.8	557.1	555.5	558.1	565.0
30°	641.0	641.7	620.8	585.9	569.4	570.6	571.0	564.3	559.5	565.0
32.5°	682.7	682.4	657.6	612.3	588.6	587.5	583.5	570.3	559.0	563.9
35°	747.3	744.7	712.8	649.3	610.4	603.2	594.0	577.1	561.3	562.7
37.5°	854.2	846.4	802.1	710.0	642.8	624.5	610.9	587.9	566.4	562.2
40°	974.9	964.9	916.3	793.1	691.5	662.0	640.1	603.5	574.7	564.3
42.5°	1118.0	1103.9	1051.5	891.1	753.1	710.4	677.3	623.1	587.0	571.0
45°	1293.8	1275.0	1200.9	1001.5	830.6	773.9	729.7	653.0	605.8	584.0
47.5°	1471.4	1476.0	1370.6	1128.0	923.7	852.2	795.2	697.9	633.1	604.9
50°	1660.1	1663.3	1539.5	1268.1	1029.3	940.6	868.8	748.2	671.1	634.5
52.5°	1807.4	1807.8	1692.8	1414.6	1139.3	1037.9	948.3	805.6	715.1	673.9
55°	1899.5	1898.4	1800.2	1553.3	1265.7	1140.0	1036.3	870.9	768.8	720.2
57.5°	1966.5	1963.0	1874.3	1672.6	1400.5	1260.6	1135.8	945.0	832.3	775.3
60°	1991.9	1989.9	1924.6	1775.7	1542.2	1394.0	1250.7	1027.9	904.3	840.4
62.5°	2001.7	2005.6	1973.9	1875.5	1693.9	1541.8	1376.9	1127.0	985.3	914.0
65°	2035.9	2043.1	2036.6	2006.1	1865.3	1714.8	1544.3	1244.9	1073.8	993.0
67.5°	2103.8	2111.0	2113.7	2162.4	2074.6	1930.3	1753.2	1391.7	1177.3	1074.9
70°	2102.2	2100.1	2149.2	2286.7	2336.7	2228.8	2034.8	1572.3	1300.7	1143.0
72.5°	1913.4	1896.8	2012.8	2285.3	2554.9	2540.5	2378.7	1805.3	1407.2	1151.3
75°	1435.5	1391.0	1596.0	2059.6	2591.2	2717.4	2597.3	1949.8	1382.0	1017.3
77.5°	613.9	569.2	810.7	1524.6	2319.1	2540.3	2396.7	1701.1	1103.2	672.7
80°	160.7	160.5	245.0	691.2	1577.2	1875.9	1645.7	1098.6	630.3	240.4
82.5°	66.5	64.8	90.1	268.8	770.7	1052.7	859.1	490.0	227.6	65.1
85°	24.8	24.5	43.8	92.9	271.9	434.2	314.2	125.3	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°
499.3	0°	499.3	499.3	499.3	499.3	499.3	499.3	499.3	499.3	499.3	499.3
500.2	2.5°	500.9	502.0	504.1	505.7	507.8	510.1	513.4	515.5	517.6	518.9
501.3	5°	503.0	505.5	510.8	516.2	522.4	528.2	534.9	539.8	543.7	544.9
505.5	7.5°	507.6	511.8	520.8	529.8	539.8	549.3	559.0	567.3	574.1	576.6
512.9	10°	515.7	521.3	534.0	546.7	559.9	574.5	587.0	599.1	608.6	612.5
521.7	12.5°	525.9	532.8	549.5	567.1	585.4	605.5	621.8	636.6	648.4	653.7
534.0	15°	539.1	548.1	569.4	593.0	619.9	647.9	668.5	685.0	698.2	704.7
546.7	17.5°	553.4	565.5	592.3	628.0	666.4	703.3	727.4	739.4	753.1	759.3
558.5	20°	567.3	582.2	620.6	672.5	723.6	762.8	782.2	785.5	786.4	787.1
569.7	22.5°	581.7	601.6	656.0	728.5	783.4	810.5	813.3	799.4	779.9	770.9
580.5	25°	597.4	623.8	702.3	790.3	834.8	838.0	816.7	782.9	746.1	729.2
589.3	27.5°	612.7	649.5	757.9	849.4	871.8	843.4	797.5	749.6	705.1	687.3
595.6	30°	628.0	679.0	819.3	901.0	888.8	830.2	767.2	713.7	669.0	650.2
601.1	32.5°	643.5	713.2	889.9	938.3	885.7	802.1	729.4	673.4	634.0	614.3
606.0	35°	661.1	755.4	956.8	958.7	865.6	760.9	679.6	625.2	591.0	575.2
611.8	37.5°	684.0	808.9	1015.9	963.8	830.4	700.5	617.8	568.3	540.0	532.8
620.4	40°	712.5	873.2	1061.0	955.7	778.3	627.1	550.2	510.6	494.6	496.2
631.9	42.5°	749.6	945.3	1092.8	934.8	705.8	551.4	490.9	473.3	481.0	487.4
649.3	45°	797.7	1020.1	1112.4	899.4	623.8	487.2	456.0	460.1	465.9	466.6
677.3	47.5°	859.3	1095.8	1125.4	845.9	540.2	442.1	433.7	434.7	433.5	428.6
719.2	50°	936.2	1169.4	1137.0	775.1	469.2	413.8	402.7	399.5	383.5	367.7
775.1	52.5°	1023.8	1237.0	1141.9	687.1	413.8	390.2	372.1	351.7	321.9	317.0
845.2	55°	1121.0	1299.6	1129.4	578.9	367.3	359.9	332.5	308.0	304.7	300.6
937.6	57.5°	1237.3	1366.9	1103.9	458.3	319.6	324.4	297.8	300.6	294.8	288.3
1056.4	60°	1364.4	1436.6	1059.2	348.3	270.2	280.2	288.8	288.5	286.9	281.6
1181.7	62.5°	1478.8	1482.5	971.2	266.8	226.9	245.9	269.3	269.1	267.7	264.7
1312.5	65°	1546.9	1475.5	824.4	210.0	191.3	217.7	242.9	244.8	245.0	244.8
1410.9	67.5°	1534.8	1394.3	622.9	167.2	161.9	189.0	216.7	219.3	221.1	221.6
1423.4	70°	1398.7	1215.7	406.2	133.4	135.7	163.7	192.0	194.5	196.1	198.0
1235.2	72.5°	1090.2	893.8	232.5	107.9	112.8	142.0	167.4	170.4	171.4	174.8
859.6	75°	664.4	525.7	125.5	85.0	92.6	121.3	143.1	146.6	148.2	152.4
422.1	77.5°	315.9	227.6	71.6	66.2	74.6	99.1	120.9	124.8	120.4	122.7
116.5	80°	106.8	84.5	45.2	50.5	57.0	77.3	96.8	100.7	91.5	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°
499.3
518.0
545.3
576.8
612.7
653.7
704.2
759.1
788.9
773.4
731.8
689.4
652.3
616.9
578.7
537.9
501.8
493.5
471.2
432.3
369.8
318.6
301.3
287.1
279.7
263.5
244.8
222.1
198.9
176.2
152.8
120.9
90.1
64.6
33.3
13.2
0.0

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