

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: P846445

Luminaire Tested: **GLAN-SB2A-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB2A-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5223 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

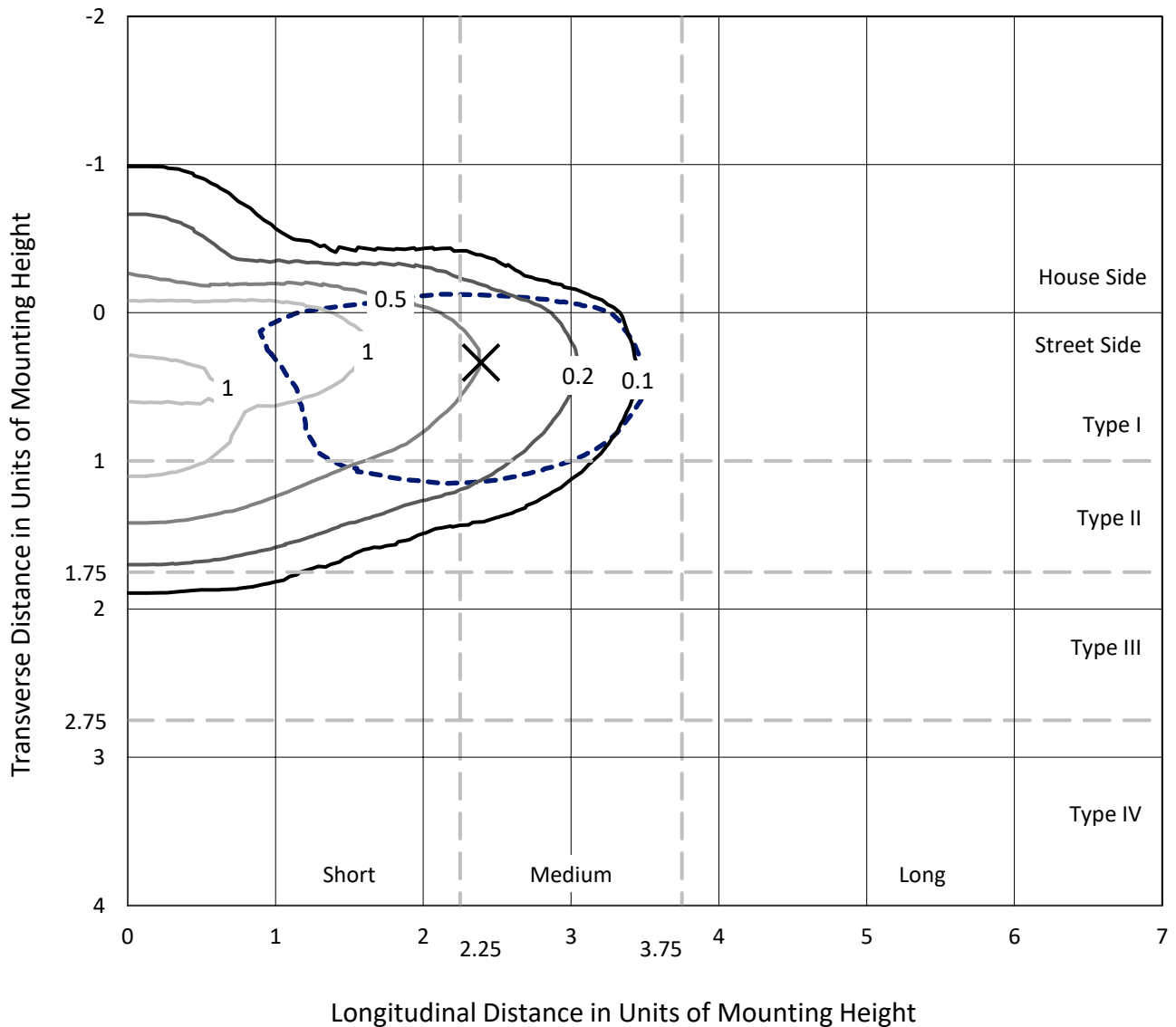
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

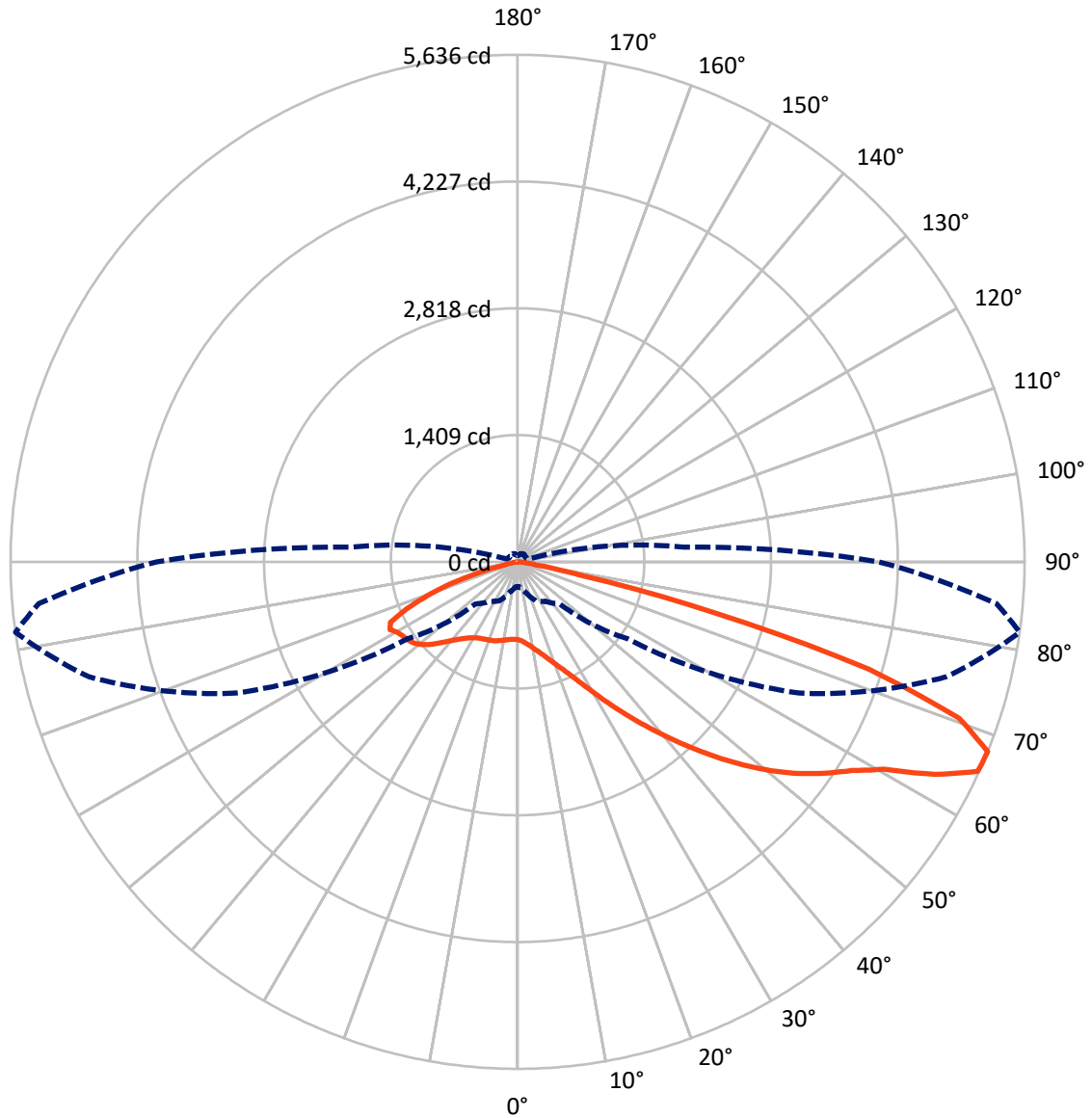
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	946.1	0.0	946.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	4276.9	0.0	4276.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	5223.0	0.0	5223.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.1	1.5
10°-20°	200.3	3.8
20°-30°	320.9	6.1
30°-40°	567.4	10.9
40°-50°	994.1	19.0
50°-60°	1325.8	25.4
60°-70°	1234.3	23.6
70°-80°	473.7	9.1
80°-90°	29.4	0.6
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°	5223.0	100.0
0°-180°	5223.0	100.0

Coefficient of Utilization

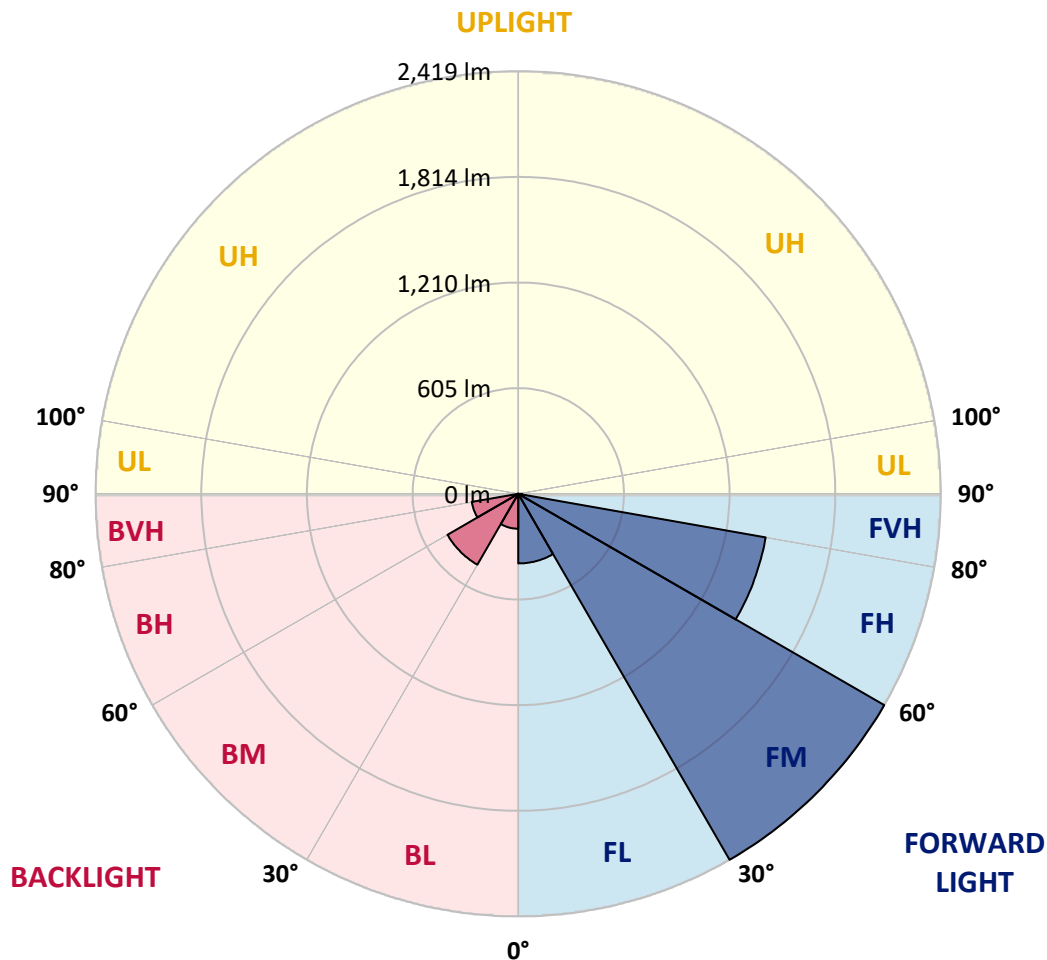


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	398.5	7.6			
FM (30°-60°)	2419.1	46.3			
FH (60°-80°)	1438.0	27.5			G1/1800
FVH (80°-90°)	21.4	0.4			G1/100
BL (0°-30°)	199.8	3.8	B1/500		
BM (30°-60°)	468.2	9.0	B1/1000		
BH (60°-80°)	270.0	5.2	B1/500		G1/500
BVH (80°-90°)	8.0	0.2			G0/10
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°	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3
2.5°	914.5	919.8	916.8	915.3	912.7	908.9	905.9	896.5	886.7	880.3
5°	933.0	938.2	937.9	939.4	941.2	942.4	941.6	931.1	917.2	906.3
7.5°	917.2	923.2	928.1	935.6	948.8	962.7	969.4	967.2	952.9	937.9
10°	872.4	878.8	890.5	908.1	936.0	966.1	991.2	1002.9	993.9	977.3
12.5°	790.4	796.8	819.8	858.1	904.8	957.0	1005.2	1036.4	1038.6	1022.1
15°	698.3	704.7	729.1	777.3	848.4	932.2	1012.7	1071.7	1091.7	1077.4
17.5°	641.2	646.8	665.2	704.0	778.0	882.6	1010.1	1109.3	1154.8	1143.5
20°	623.9	628.7	637.4	664.5	726.1	831.1	992.8	1144.7	1222.9	1216.5
22.5°	642.3	646.8	649.4	661.5	700.2	797.2	970.9	1180.8	1301.9	1302.6
25°	684.8	689.3	686.3	693.8	710.7	786.7	962.7	1223.3	1401.1	1409.4
27.5°	754.7	755.1	747.9	747.6	750.2	802.5	971.3	1268.8	1526.4	1541.8
30°	895.0	889.3	861.9	832.2	818.6	849.9	995.4	1322.5	1674.1	1701.6
32.5°	1111.2	1102.9	1052.5	981.5	910.0	926.2	1038.6	1383.8	1835.1	1884.7
35°	1345.9	1343.6	1291.0	1185.3	1060.4	1034.9	1109.0	1464.3	2010.7	2089.7
37.5°	1564.0	1562.8	1532.8	1408.3	1256.4	1186.4	1221.8	1569.6	2198.7	2313.0
40°	1763.3	1766.6	1736.6	1625.3	1472.2	1380.8	1375.2	1699.7	2407.8	2556.3
42.5°	1935.5	1939.3	1908.8	1826.4	1685.4	1595.9	1563.6	1859.2	2612.0	2817.7
45°	2052.4	2075.8	2071.2	2005.4	1904.3	1811.4	1790.0	2059.2	2844.8	3094.8
47.5°	2085.5	2107.0	2140.8	2149.8	2088.2	1996.8	2022.4	2300.3	3080.2	3372.4
50°	2003.9	2023.9	2094.2	2187.8	2230.7	2202.5	2248.4	2558.6	3321.2	3649.1
52.5°	1843.0	1863.3	1952.0	2100.2	2275.1	2363.8	2475.1	2813.2	3554.7	3911.2
55°	1610.2	1631.6	1745.6	1913.3	2190.4	2430.4	2664.3	3067.4	3768.7	4147.0
57.5°	1293.6	1309.4	1427.8	1662.5	1977.6	2364.2	2803.8	3344.9	3970.3	4378.6
60°	843.1	857.0	994.6	1256.4	1624.9	2143.1	2831.6	3654.4	4238.0	4679.9
62.5°	560.7	570.1	651.7	843.8	1144.3	1718.5	2668.8	3901.4	4630.6	5204.1
65°	384.7	394.1	475.7	609.6	739.3	1136.8	2200.6	3868.7	4986.3	5620.3
67.5°	274.5	282.4	351.6	478.0	535.1	660.3	1491.8	3450.6	4935.2	5636.1
70°	196.7	201.2	258.3	372.3	425.3	396.7	829.6	2639.1	4321.1	5204.4
72.5°	137.6	139.1	179.4	283.5	342.6	289.6	394.8	1759.5	3268.2	4085.0
75°	93.3	95.1	120.7	208.0	274.9	221.1	209.1	943.5	1918.6	2261.1
77.5°	57.2	57.9	77.8	142.1	205.7	168.5	134.6	399.7	742.3	728.8
80°	32.3	32.3	49.6	88.4	140.3	108.7	94.4	170.0	235.0	206.4
82.5°	18.1	18.4	36.1	54.9	92.9	64.3	51.9	78.6	101.5	89.9
85°	7.5	8.3	22.2	25.9	44.4	32.0	21.1	33.1	37.6	33.5
87.5°	0.8	1.1	6.8	4.9	5.3	6.4	3.0	6.4	5.3	5.3
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°
865.3	0°	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3	865.3
878.1	2.5°	870.9	865.3	851.0	834.4	812.6	802.1	787.8	778.0	769.8	770.5
899.9	5°	887.8	873.5	841.6	801.7	752.1	716.7	679.1	653.2	632.1	627.6
930.0	7.5°	911.2	888.6	832.6	760.7	676.9	613.3	556.5	520.1	494.1	485.8
966.4	10°	941.2	908.5	820.9	709.2	588.5	507.7	446.7	418.2	400.5	394.5
1009.3	12.5°	976.2	931.5	805.5	646.4	497.5	419.7	380.9	366.6	361.0	359.1
1061.9	15°	1020.2	960.0	782.2	572.0	420.4	365.9	349.3	347.5	348.2	347.5
1125.1	17.5°	1072.5	991.2	744.2	495.2	368.5	338.4	332.4	333.9	335.8	335.4
1195.8	20°	1129.6	1022.1	695.7	427.2	333.2	318.9	315.5	317.0	318.5	317.8
1277.4	22.5°	1194.7	1055.2	641.9	374.2	309.5	300.8	297.1	297.4	297.4	295.9
1380.8	25°	1272.5	1091.7	585.5	336.6	291.4	284.7	280.2	278.6	276.4	271.9
1506.4	27.5°	1365.4	1130.4	531.3	310.2	277.1	270.8	265.5	261.7	256.1	248.6
1657.2	30°	1470.0	1177.4	485.5	293.7	265.9	259.5	253.5	247.8	239.5	230.1
1830.6	32.5°	1592.9	1227.8	452.0	282.8	255.7	248.9	241.8	235.0	226.0	216.6
2025.4	35°	1739.6	1288.7	432.4	275.3	247.8	238.8	230.9	223.4	216.6	208.3
2237.1	37.5°	1898.6	1353.4	426.4	271.5	242.5	228.6	219.6	214.3	213.6	208.7
2466.1	40°	2072.7	1430.1	430.9	269.2	236.9	218.9	209.1	208.0	209.8	201.2
2710.9	42.5°	2257.0	1521.1	438.5	266.6	229.0	209.1	199.7	199.7	198.2	186.1
2969.6	45°	2456.3	1626.0	446.0	260.2	219.6	199.3	192.2	189.5	183.1	171.5
3229.8	47.5°	2657.1	1732.8	451.6	248.6	208.3	191.0	184.6	178.6	169.2	158.7
3485.2	50°	2847.8	1828.7	445.6	231.3	195.5	183.1	176.4	168.1	157.9	150.8
3727.0	52.5°	3018.1	1911.8	420.0	211.0	182.0	174.9	168.8	160.2	151.9	144.4
3945.1	55°	3166.3	1979.1	374.9	191.8	170.0	167.7	161.7	150.8	139.5	133.1
4161.3	57.5°	3308.4	2030.3	318.5	176.0	159.1	159.8	150.8	141.0	130.5	123.7
4452.7	60°	3497.6	2098.7	261.3	161.3	147.4	149.7	139.9	132.7	119.6	110.9
4952.5	62.5°	3799.9	2205.1	207.6	143.3	133.9	134.6	130.5	121.8	106.0	95.9
5322.9	65°	4039.8	2166.0	163.6	123.7	118.5	119.6	119.6	110.2	93.3	81.6
5342.8	67.5°	4012.8	1854.6	130.5	104.5	103.8	104.5	107.2	99.3	82.7	73.3
4935.9	70°	3696.5	1475.2	104.5	86.9	90.3	88.4	95.9	90.6	74.5	65.1
3826.6	72.5°	3016.2	1062.7	79.7	71.8	69.2	72.2	86.5	81.6	62.0	51.5
2026.9	75°	1762.5	567.1	59.4	56.8	50.0	60.2	76.7	69.6	47.4	38.0
621.2	77.5°	573.8	197.8	43.6	41.7	37.2	48.5	65.4	58.7	38.7	30.1
182.0	80°	153.8	59.8	29.7	27.5	24.1	36.1	51.9	46.6	27.8	19.6
78.2	82.5°	61.7	25.2	17.3	15.4	13.2	24.8	41.0	37.6	20.7	12.4
24.4	85°	19.9	8.3	6.4	4.9	6.0	15.4	24.4	25.6	14.7	6.4
3.8	87.5°	2.6	1.1	1.1	1.5	1.1	2.6	7.5	7.1	4.1	0.8
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°
865.3
763.0
617.5
477.6
390.0
358.0
347.1
334.7
317.4
295.2
271.1
247.8
229.4
217.0
207.6
208.3
201.6
186.1
171.1
158.3
149.7
143.6
132.4
123.0
109.8
95.1
80.5
71.8
63.9
50.4
36.9
29.0
19.2
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