

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: P846035

Luminaire Tested: **GLAN-SB1C-722-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846035
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-SB1C-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4278 lumens
Efficiency: N/A
Efficacy: 78.6 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

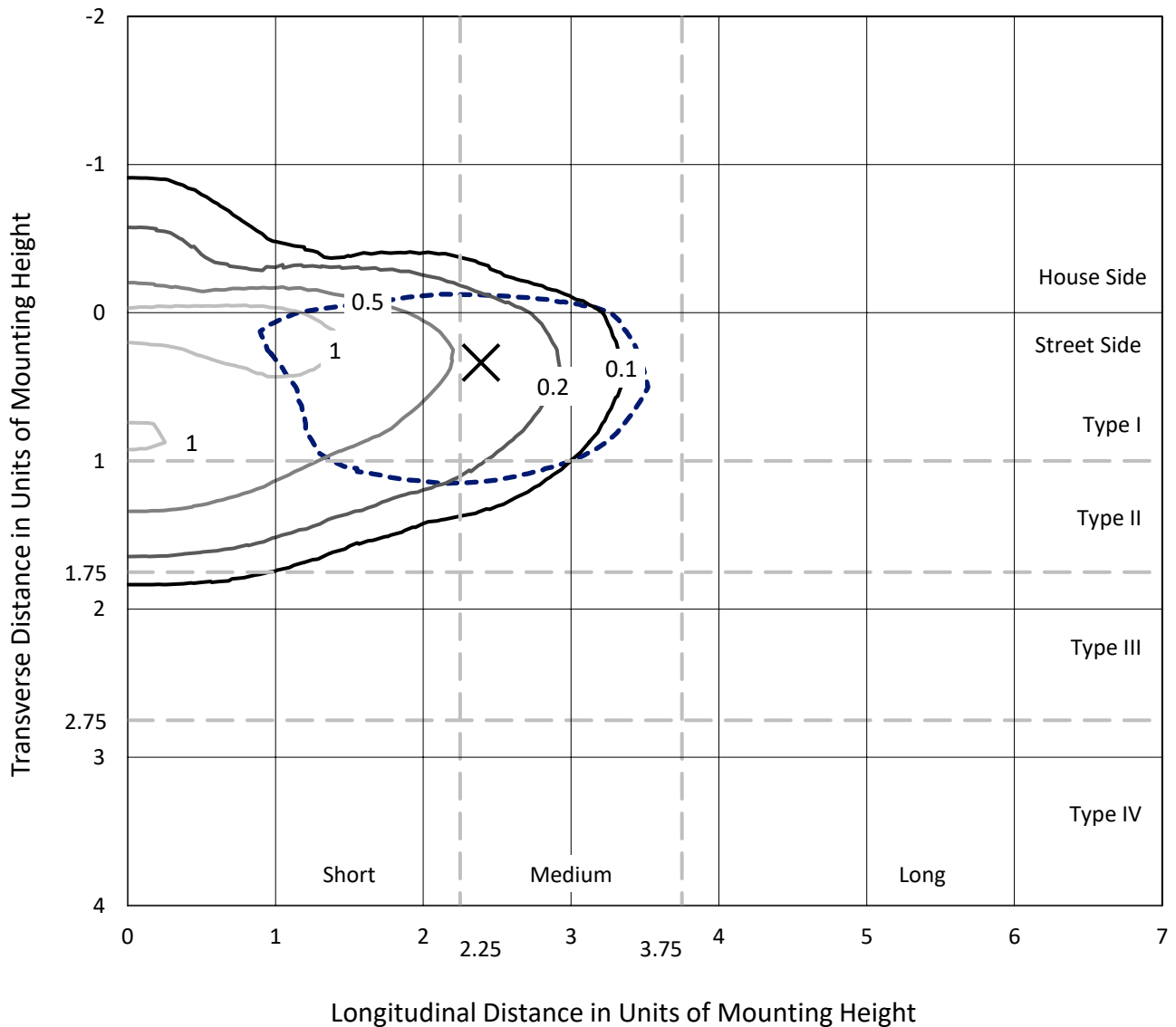
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

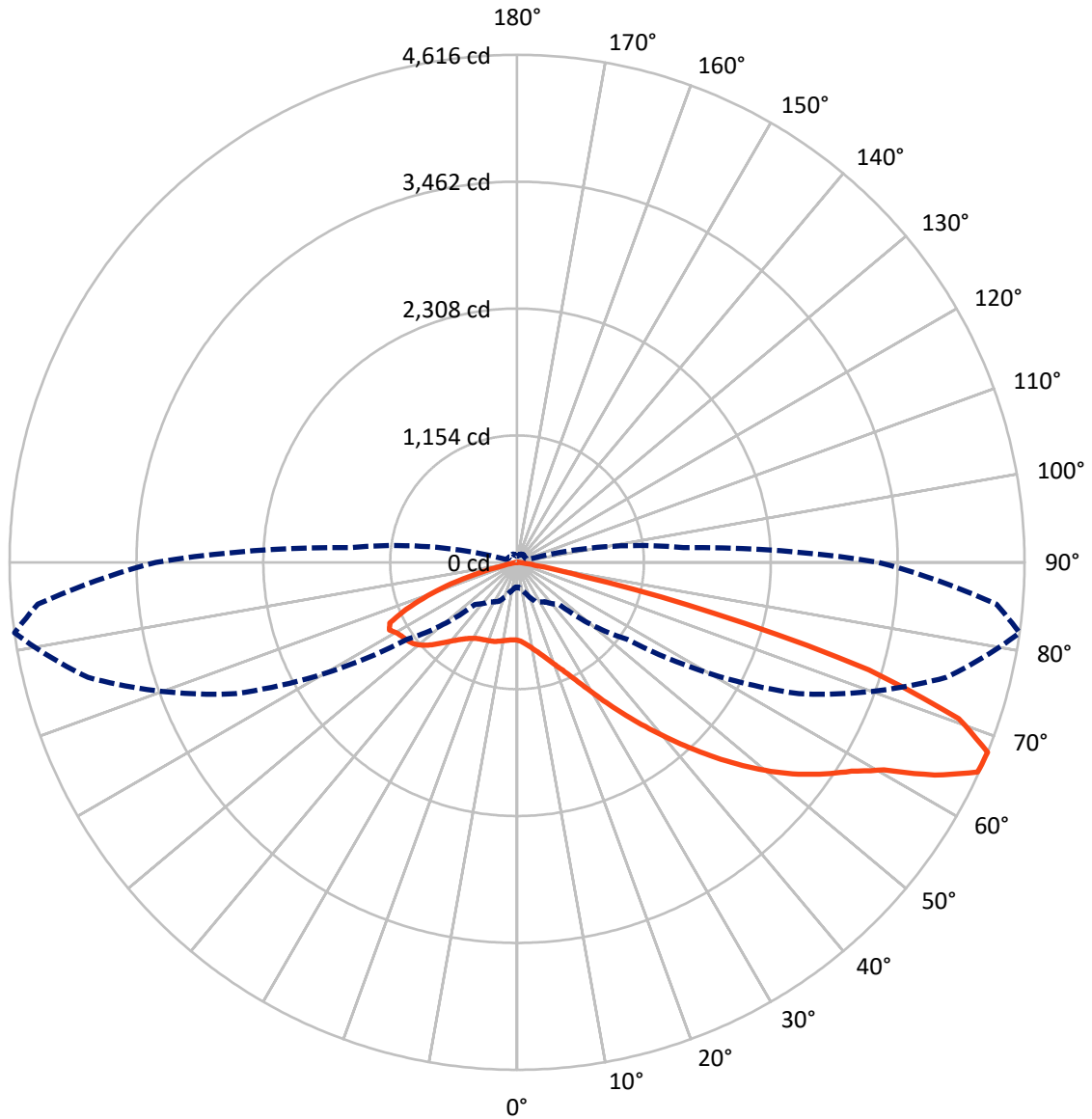
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	774.9	0.0	774.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3503.1	0.0	3503.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	4278.0	0.0	4278.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	1.5
10°-20°	164.1	3.8
20°-30°	262.8	6.1
30°-40°	464.7	10.9
40°-50°	814.2	19.0
50°-60°	1086.0	25.4
60°-70°	1011.0	23.6
70°-80°	388.0	9.1
80°-90°	24.1	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°	4278.0	100.0
0°-180°	4278.0	100.0

Coefficient of Utilization

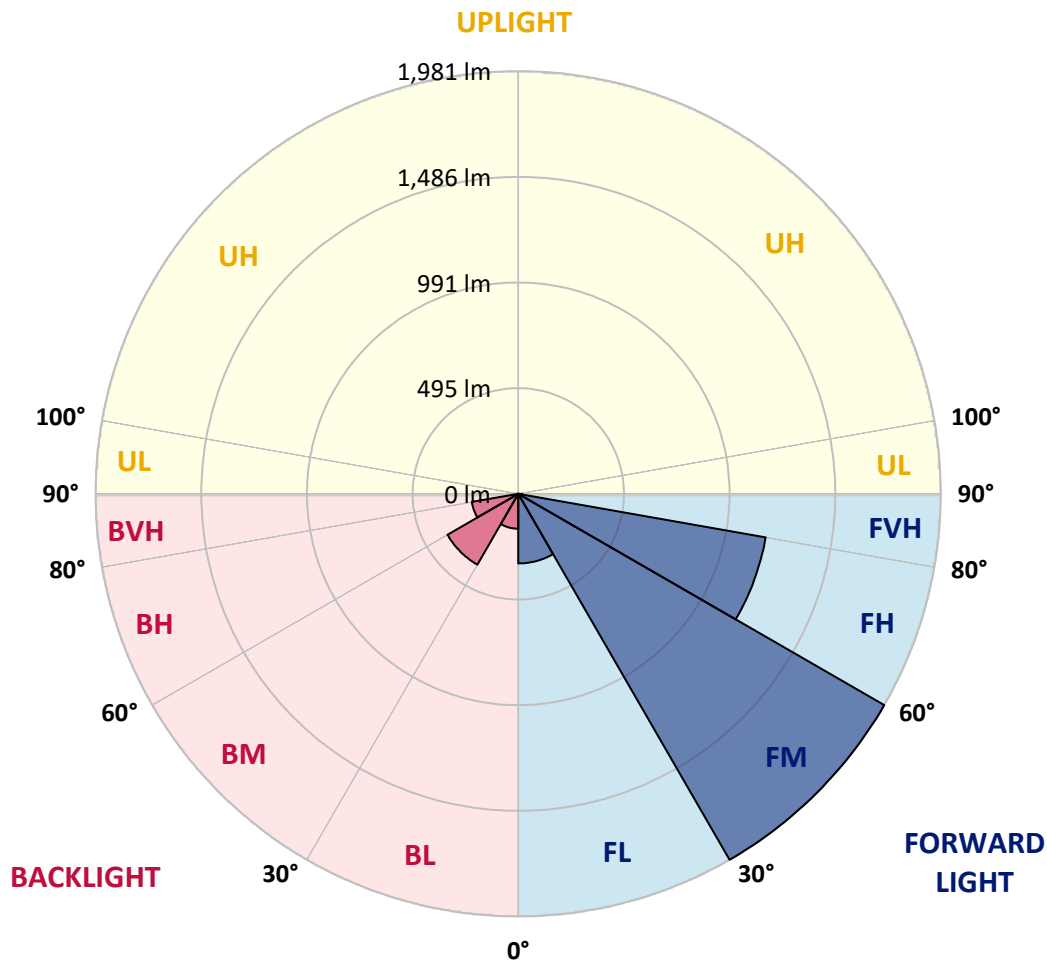


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	326.4	7.6			
FM (30°-60°)	1981.4	46.3			
FH (60°-80°)	1177.8	27.5			G1/1800
FVH (80°-90°)	17.5	0.4			G1/100
BL (0°-30°)	163.7	3.8	B1/500		
BM (30°-60°)	383.5	9.0	B1/1000		
BH (60°-80°)	221.2	5.2	B1/500		G1/500
BVH (80°-90°)	6.6	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°	708.7	708.7	708.7	708.7	708.7	708.7	708.7	708.7	708.7	708.7
2.5°	749.1	753.4	750.9	749.7	747.5	744.4	742.0	734.3	726.3	721.0
5°	764.2	768.5	768.2	769.4	770.9	771.9	771.2	762.6	751.2	742.3
7.5°	751.2	756.2	760.2	766.3	777.1	788.5	794.0	792.2	780.5	768.2
10°	714.6	719.8	729.4	743.8	766.6	791.3	811.9	821.4	814.1	800.5
12.5°	647.4	652.7	671.5	702.9	741.1	783.9	823.3	848.9	850.7	837.2
15°	572.0	577.2	597.2	636.6	694.9	763.5	829.5	877.8	894.1	882.4
17.5°	525.1	529.8	544.9	576.6	637.3	722.9	827.3	908.6	945.9	936.6
20°	511.0	515.0	522.1	544.2	594.8	680.7	813.1	937.6	1001.6	996.4
22.5°	526.1	529.8	531.9	541.8	573.5	653.0	795.3	967.1	1066.3	1066.9
25°	560.9	564.6	562.1	568.3	582.1	644.3	788.5	1001.9	1147.6	1154.4
27.5°	618.2	618.5	612.6	612.3	614.5	657.3	795.6	1039.2	1250.2	1262.8
30°	733.1	728.4	705.9	681.6	670.5	696.1	815.3	1083.3	1371.2	1393.7
32.5°	910.2	903.4	862.1	803.9	745.4	758.6	850.7	1133.5	1503.1	1543.7
35°	1102.4	1100.5	1057.4	970.8	868.6	847.6	908.3	1199.4	1646.9	1711.6
37.5°	1281.0	1280.1	1255.4	1153.5	1029.0	971.8	1000.7	1285.6	1800.9	1894.5
40°	1444.2	1447.0	1422.4	1331.2	1205.8	1131.0	1126.4	1392.2	1972.2	2093.8
42.5°	1585.3	1588.4	1563.4	1496.0	1380.5	1307.2	1280.7	1522.8	2139.4	2307.9
45°	1681.1	1700.2	1696.5	1642.6	1559.7	1483.7	1466.1	1686.6	2330.1	2534.9
47.5°	1708.2	1725.8	1753.5	1760.9	1710.4	1635.5	1656.5	1884.1	2522.9	2762.2
50°	1641.4	1657.7	1715.3	1792.0	1827.1	1804.0	1841.6	2095.7	2720.3	2988.9
52.5°	1509.5	1526.2	1598.9	1720.2	1863.4	1936.1	2027.3	2304.2	2911.6	3203.6
55°	1318.9	1336.4	1429.8	1567.1	1794.1	1990.6	2182.2	2512.4	3086.8	3396.7
57.5°	1059.5	1072.5	1169.5	1361.7	1619.8	1936.4	2296.5	2739.7	3251.9	3586.4
60°	690.5	701.9	814.7	1029.0	1330.9	1755.3	2319.3	2993.2	3471.2	3833.1
62.5°	459.2	466.9	533.8	691.2	937.3	1407.6	2185.9	3195.6	3792.8	4262.5
65°	315.1	322.8	389.6	499.3	605.5	931.1	1802.4	3168.8	4084.1	4603.4
67.5°	224.8	231.3	288.0	391.5	438.3	540.9	1221.9	2826.3	4042.3	4616.4
70°	161.1	164.8	211.6	304.9	348.4	324.9	679.5	2161.6	3539.3	4262.8
72.5°	112.7	114.0	146.9	232.2	280.6	237.2	323.4	1441.2	2676.9	3345.9
75°	76.4	77.9	98.9	170.3	225.2	181.1	171.3	772.8	1571.4	1852.0
77.5°	46.8	47.4	63.8	116.4	168.5	138.0	110.3	327.4	608.0	596.9
80°	26.5	26.5	40.7	72.4	114.9	89.0	77.3	139.2	192.5	169.1
82.5°	14.8	15.1	29.6	45.0	76.1	52.7	42.5	64.4	83.2	73.6
85°	6.2	6.8	18.2	21.3	36.3	26.2	17.2	27.1	30.8	27.4
87.5°	0.6	0.9	5.5	4.0	4.3	5.2	2.5	5.2	4.3	4.3
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°
708.7	0°	708.7	708.7	708.7	708.7	708.7	708.7	708.7	708.7	708.7	708.7
719.2	2.5°	713.3	708.7	697.0	683.5	665.6	657.0	645.3	637.3	630.5	631.1
737.1	5°	727.2	715.5	689.3	656.7	616.0	587.1	556.3	535.0	517.8	514.1
761.7	7.5°	746.3	727.8	681.9	623.1	554.4	502.4	455.8	426.0	404.7	397.9
791.6	10°	770.9	744.1	672.4	580.9	482.0	415.8	365.9	342.5	328.0	323.1
826.7	12.5°	799.6	762.9	659.7	529.5	407.5	343.7	312.0	300.3	295.7	294.1
869.8	15°	835.6	786.3	640.7	468.5	344.3	299.7	286.1	284.6	285.2	284.6
921.6	17.5°	878.4	811.9	609.5	405.6	301.8	277.2	272.3	273.5	275.0	274.7
979.5	20°	925.2	837.2	569.8	349.9	272.9	261.2	258.4	259.6	260.9	260.3
1046.3	22.5°	978.5	864.3	525.8	306.5	253.5	246.4	243.3	243.6	243.6	242.4
1131.0	25°	1042.3	894.1	479.6	275.7	238.7	233.2	229.5	228.2	226.4	222.7
1233.9	27.5°	1118.4	925.9	435.2	254.1	227.0	221.8	217.5	214.4	209.8	203.6
1357.4	30°	1204.0	964.4	397.6	240.6	217.8	212.5	207.6	203.0	196.2	188.5
1499.4	32.5°	1304.7	1005.6	370.2	231.6	209.4	203.9	198.0	192.5	185.1	177.4
1658.9	35°	1424.8	1055.5	354.2	225.5	203.0	195.6	189.1	183.0	177.4	170.6
1832.3	37.5°	1555.1	1108.5	349.3	222.4	198.7	187.3	179.9	175.6	174.9	170.9
2019.9	40°	1697.7	1171.3	353.0	220.5	194.0	179.3	171.3	170.3	171.9	164.8
2220.4	42.5°	1848.6	1245.9	359.1	218.4	187.6	171.3	163.6	163.6	162.3	152.5
2432.3	45°	2011.9	1331.8	365.3	213.1	179.9	163.2	157.4	155.2	150.0	140.5
2645.5	47.5°	2176.4	1419.3	369.9	203.6	170.6	156.5	151.2	146.3	138.6	130.0
2854.6	50°	2332.5	1497.8	365.0	189.4	160.2	150.0	144.5	137.7	129.4	123.5
3052.6	52.5°	2472.0	1565.9	344.0	172.8	149.1	143.2	138.3	131.2	124.4	118.3
3231.3	55°	2593.4	1621.0	307.1	157.1	139.2	137.4	132.4	123.5	114.3	109.0
3408.4	57.5°	2709.8	1662.9	260.9	144.1	130.3	130.9	123.5	115.5	106.9	101.3
3647.1	60°	2864.8	1719.0	214.1	132.1	120.7	122.6	114.6	108.7	97.9	90.9
4056.4	62.5°	3112.4	1806.1	170.0	117.3	109.6	110.3	106.9	99.8	86.9	78.5
4359.8	65°	3308.9	1774.1	134.0	101.3	97.0	97.9	97.9	90.2	76.4	66.8
4376.1	67.5°	3286.7	1519.1	106.9	85.6	85.0	85.6	87.8	81.3	67.8	60.1
4042.9	70°	3027.7	1208.3	85.6	71.1	73.9	72.4	78.5	74.2	61.0	53.3
3134.3	72.5°	2470.5	870.4	65.3	58.8	56.7	59.1	70.8	66.8	50.8	42.2
1660.1	75°	1443.6	464.5	48.7	46.5	41.0	49.3	62.8	57.0	38.8	31.1
508.8	77.5°	470.0	162.0	35.7	34.2	30.5	39.7	53.6	48.0	31.7	24.6
149.1	80°	126.0	49.0	24.3	22.5	19.7	29.6	42.5	38.2	22.8	16.0
64.1	82.5°	50.5	20.6	14.2	12.6	10.8	20.3	33.6	30.8	16.9	10.2
20.0	85°	16.3	6.8	5.2	4.0	4.9	12.6	20.0	20.9	12.0	5.2
3.1	87.5°	2.2	0.9	0.9	1.2	0.9	2.2	6.2	5.9	3.4	0.6
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/>
708.7
624.9
505.7
391.2
319.4
293.2
284.3
274.1
260.0
241.8
222.1
203.0
187.9
177.7
170.0
170.6
165.1
152.5
140.1
129.7
122.6
117.7
108.4
100.7
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