

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: P846125

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

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846125
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-835-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 3500K, 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: 4529 lumens
Efficiency: N/A
Efficacy: 83.3 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

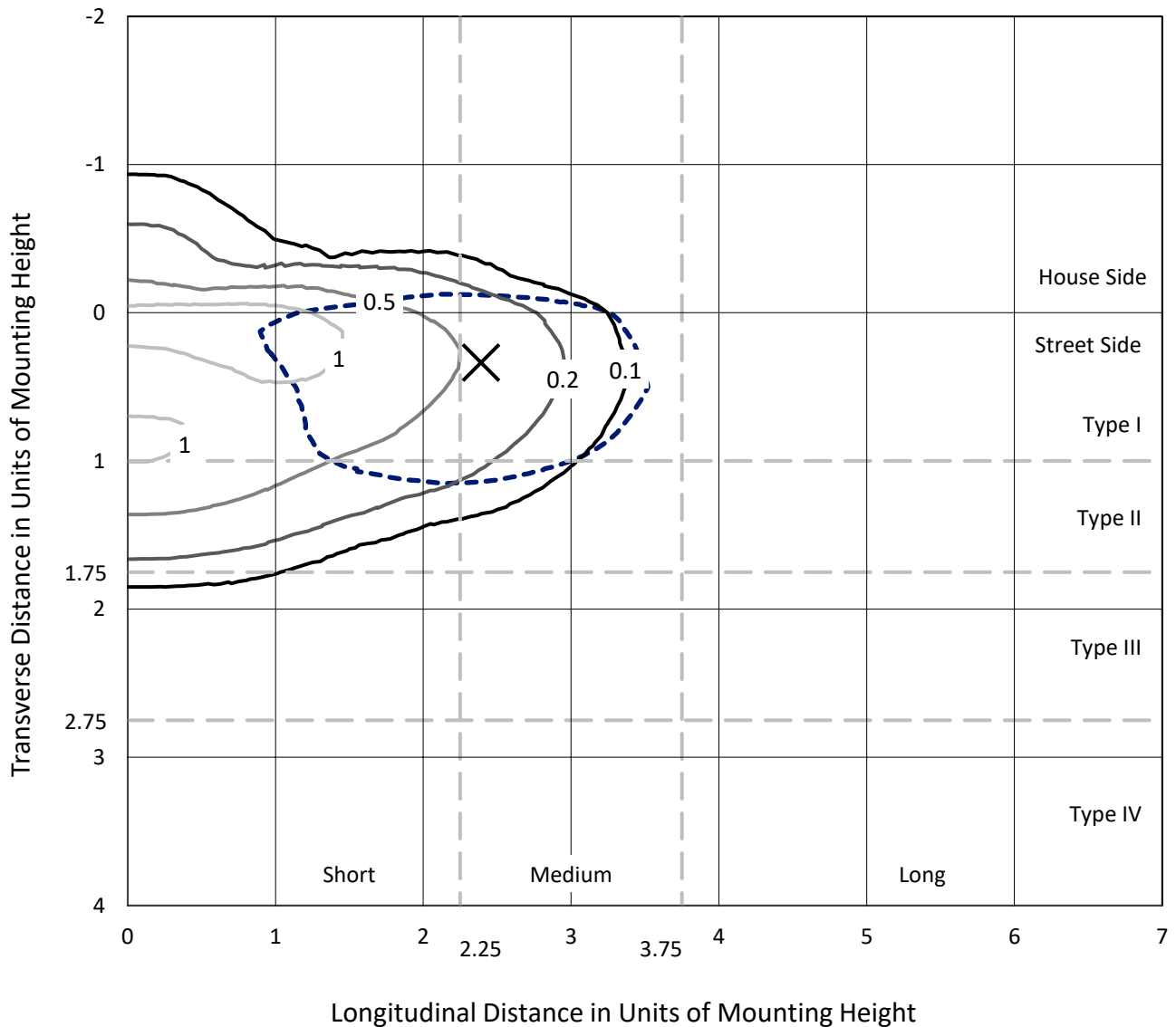
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

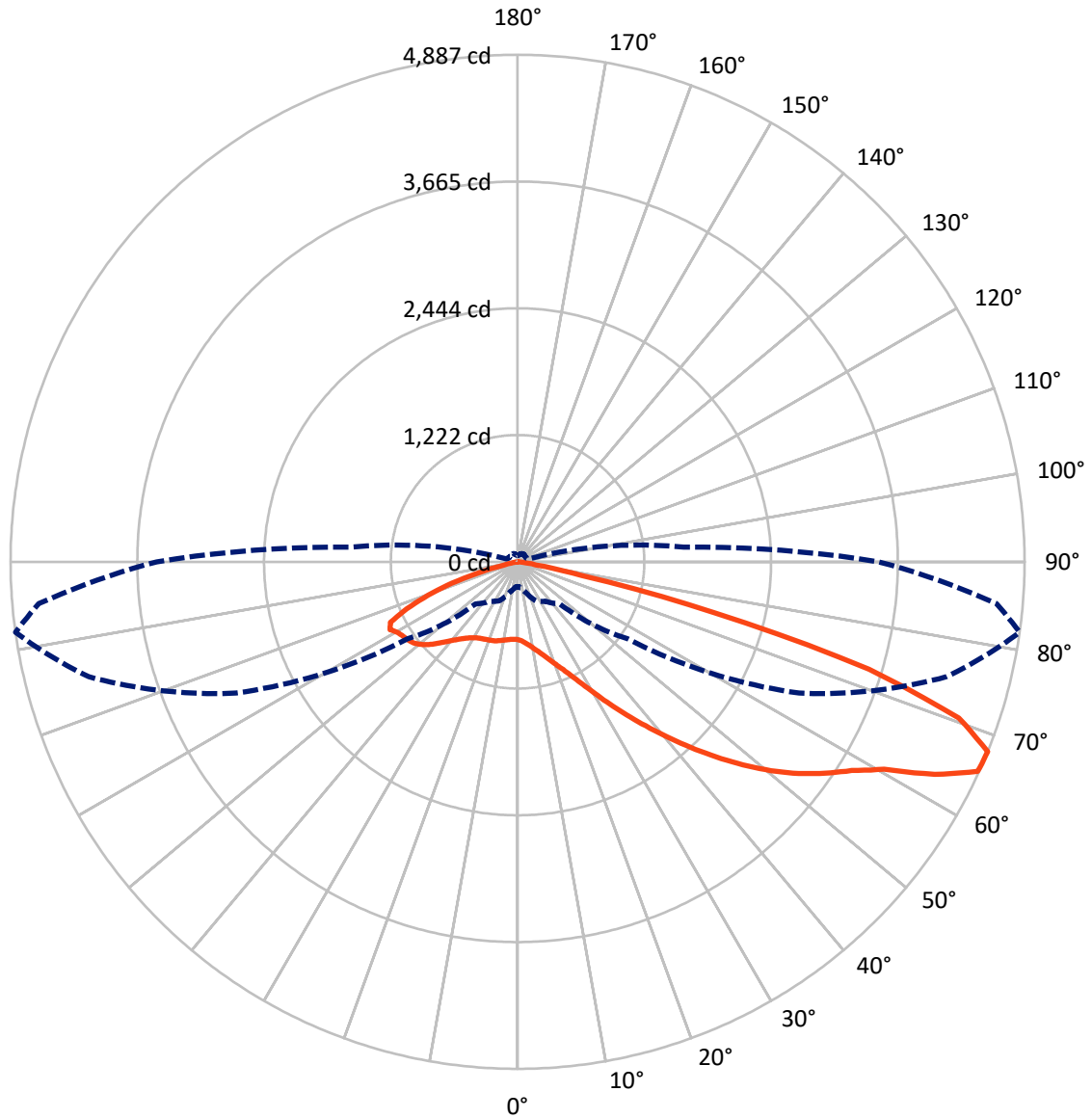
× Max cd
 - - - 1/2 Max cd



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 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	820.4	0.0	820.4
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3708.6	0.0	3708.6
	% Fixture	81.9	0.0	81.9
Total	Lumens	4529.0	0.0	4529.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.8	1.5
10°-20°	173.7	3.8
20°-30°	278.2	6.1
30°-40°	492.0	10.9
40°-50°	862.0	19.0
50°-60°	1149.7	25.4
60°-70°	1070.3	23.6
70°-80°	410.8	9.1
80°-90°	25.5	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°	4529.0	100.0
0°-180°	4529.0	100.0

Coefficient of Utilization

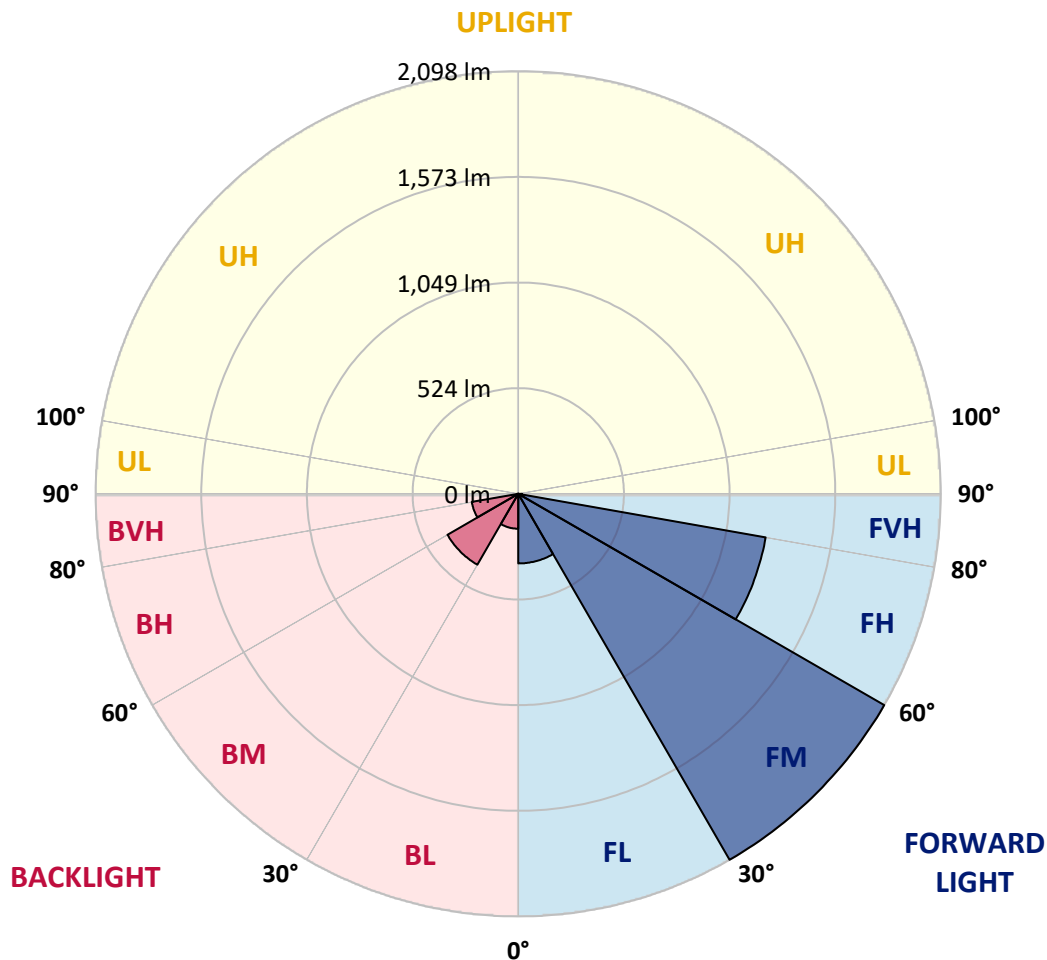


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	345.5	7.6			
FM (30°-60°)	2097.6	46.3			
FH (60°-80°)	1246.9	27.5			G1/1800
FVH (80°-90°)	18.5	0.4			G1/100
BL (0°-30°)	173.3	3.8	B1/500		
BM (30°-60°)	406.0	9.0	B1/1000		
BH (60°-80°)	234.1	5.2	B1/500		G1/500
BVH (80°-90°)	7.0	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°	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3
2.5°	793.0	797.6	795.0	793.7	791.4	788.1	785.5	777.4	768.9	763.3
5°	809.0	813.6	813.2	814.5	816.2	817.1	816.5	807.4	795.3	785.8
7.5°	795.3	800.5	804.8	811.3	822.7	834.8	840.6	838.7	826.3	813.2
10°	756.5	762.0	772.1	787.5	811.6	837.7	859.5	869.6	861.8	847.5
12.5°	685.4	691.0	710.8	744.1	784.5	829.9	871.6	898.7	900.6	886.3
15°	605.5	611.1	632.3	674.0	735.6	808.3	878.1	929.3	946.6	934.2
17.5°	556.0	560.9	576.8	610.4	674.7	765.3	875.8	961.9	1001.4	991.6
20°	541.0	545.2	552.7	576.2	629.7	720.6	860.8	992.6	1060.4	1054.9
22.5°	556.9	560.9	563.1	573.6	607.2	691.3	841.9	1023.9	1128.9	1129.5
25°	593.8	597.7	595.1	601.6	616.3	682.2	834.8	1060.7	1215.0	1222.1
27.5°	654.4	654.8	648.6	648.2	650.5	695.8	842.3	1100.2	1323.5	1336.9
30°	776.1	771.2	747.4	721.6	709.9	736.9	863.1	1146.8	1451.7	1475.5
32.5°	963.6	956.4	912.7	851.1	789.1	803.1	900.6	1200.0	1591.3	1634.3
35°	1167.0	1165.1	1119.4	1027.8	919.5	897.4	961.6	1269.7	1743.5	1812.0
37.5°	1356.2	1355.2	1329.1	1221.2	1089.4	1028.8	1059.4	1361.0	1906.6	2005.7
40°	1529.0	1531.9	1505.8	1409.3	1276.6	1197.4	1192.5	1473.9	2087.9	2216.7
42.5°	1678.3	1681.6	1655.2	1583.8	1461.5	1383.9	1355.8	1612.1	2264.9	2443.3
45°	1779.7	1799.9	1796.0	1739.0	1651.3	1570.7	1552.1	1785.6	2466.8	2683.6
47.5°	1808.4	1827.0	1856.4	1864.2	1810.7	1731.5	1753.6	1994.6	2670.9	2924.3
50°	1737.7	1754.9	1815.9	1897.1	1934.3	1909.8	1949.6	2218.6	2879.9	3164.2
52.5°	1598.1	1615.7	1692.7	1821.1	1972.8	2049.7	2146.2	2439.4	3082.4	3391.5
55°	1396.3	1414.8	1513.6	1659.1	1899.4	2107.4	2310.3	2659.8	3267.9	3596.0
57.5°	1121.7	1135.4	1238.1	1441.6	1714.8	2050.0	2431.2	2900.5	3442.7	3796.8
60°	731.1	743.1	862.5	1089.4	1409.0	1858.3	2455.4	3168.8	3674.9	4058.0
62.5°	486.2	494.3	565.1	731.7	992.3	1490.2	2314.2	3383.0	4015.3	4512.6
65°	333.6	341.7	412.5	528.6	641.1	985.7	1908.2	3354.7	4323.8	4873.5
67.5°	238.0	244.9	304.9	414.4	464.0	572.6	1293.5	2992.1	4279.4	4887.2
70°	170.5	174.5	224.0	322.8	368.8	344.0	719.3	2288.4	3746.9	4512.9
72.5°	119.3	120.6	155.5	245.9	297.1	251.1	342.4	1525.7	2833.9	3542.2
75°	80.9	82.5	104.7	180.3	238.4	191.7	181.3	818.1	1663.6	1960.7
77.5°	49.6	50.2	67.5	123.3	178.4	146.1	116.7	346.6	643.7	631.9
80°	28.0	28.0	43.0	76.6	121.6	94.2	81.8	147.4	203.8	179.0
82.5°	15.7	16.0	31.3	47.6	80.5	55.8	45.0	68.1	88.0	77.9
85°	6.5	7.2	19.2	22.5	38.5	27.7	18.3	28.7	32.6	29.0
87.5°	0.7	1.0	5.9	4.2	4.6	5.5	2.6	5.5	4.6	4.6
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°
750.3	0°	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3	750.3
761.4	2.5°	755.2	750.3	737.9	723.6	704.7	695.5	683.1	674.7	667.5	668.1
780.3	5°	769.9	757.5	729.8	695.2	652.2	621.5	588.9	566.4	548.1	544.2
806.4	7.5°	790.1	770.5	721.9	659.7	586.9	531.8	482.6	451.0	428.5	421.3
838.0	10°	816.2	787.8	711.8	615.0	510.3	440.2	387.4	362.6	347.3	342.1
875.2	12.5°	846.5	807.7	698.5	560.5	431.4	363.9	330.3	317.9	313.0	311.4
920.8	15°	884.6	832.5	678.2	496.0	364.6	317.3	302.9	301.3	301.9	301.3
975.6	17.5°	930.0	859.5	645.3	429.4	319.6	293.5	288.3	289.6	291.2	290.9
1036.9	20°	979.5	886.3	603.2	370.4	288.9	276.5	273.6	274.9	276.2	275.5
1107.7	22.5°	1035.9	915.0	556.6	324.4	268.4	260.9	257.6	257.9	257.9	256.6
1197.4	25°	1103.4	946.6	507.7	291.8	252.7	246.8	242.9	241.6	239.7	235.8
1306.3	27.5°	1184.0	980.2	460.7	269.0	240.3	234.8	230.2	226.9	222.1	215.5
1437.0	30°	1274.6	1020.9	421.0	254.7	230.5	225.0	219.8	214.9	207.7	199.6
1587.3	32.5°	1381.3	1064.6	391.9	245.2	221.7	215.9	209.7	203.8	196.0	187.8
1756.2	35°	1508.4	1117.5	375.0	238.7	214.9	207.1	200.2	193.7	187.8	180.6
1939.8	37.5°	1646.4	1173.5	369.8	235.4	210.3	198.3	190.4	185.9	185.2	181.0
2138.4	40°	1797.3	1240.1	373.7	233.5	205.4	189.8	181.3	180.3	182.0	174.5
2350.7	42.5°	1957.1	1319.0	380.2	231.2	198.6	181.3	173.1	173.1	171.8	161.4
2575.0	45°	2129.9	1410.0	386.7	225.6	190.4	172.8	166.6	164.3	158.8	148.7
2800.7	47.5°	2304.1	1502.6	391.6	215.5	180.6	165.6	160.1	154.9	146.7	137.6
3022.1	50°	2469.4	1585.7	386.4	200.5	169.6	158.8	152.9	145.8	137.0	130.8
3231.7	52.5°	2617.1	1657.8	364.2	182.9	157.8	151.6	146.4	138.9	131.7	125.2
3420.9	55°	2745.6	1716.1	325.1	166.3	147.4	145.4	140.2	130.8	121.0	115.4
3608.4	57.5°	2868.8	1760.5	276.2	152.6	137.9	138.6	130.8	122.3	113.1	107.3
3861.1	60°	3032.8	1819.8	226.6	139.9	127.8	129.8	121.3	115.1	103.7	96.2
4294.4	62.5°	3295.0	1912.1	180.0	124.2	116.1	116.7	113.1	105.6	92.0	83.1
4615.6	65°	3503.0	1878.2	141.8	107.3	102.7	103.7	103.7	95.5	80.9	70.8
4632.9	67.5°	3479.6	1608.2	113.1	90.6	90.0	90.6	92.9	86.1	71.7	63.6
4280.1	70°	3205.3	1279.2	90.6	75.3	78.3	76.6	83.1	78.6	64.6	56.4
3318.2	72.5°	2615.5	921.5	69.1	62.3	60.0	62.6	75.0	70.8	53.8	44.7
1757.6	75°	1528.3	491.7	51.5	49.2	43.4	52.2	66.5	60.3	41.1	32.9
538.7	77.5°	497.6	171.5	37.8	36.2	32.3	42.1	56.7	50.9	33.6	26.1
157.8	80°	133.4	51.8	25.8	23.8	20.9	31.3	45.0	40.4	24.1	17.0
67.8	82.5°	53.5	21.8	15.0	13.4	11.4	21.5	35.5	32.6	17.9	10.8
21.2	85°	17.3	7.2	5.5	4.2	5.2	13.4	21.2	22.2	12.7	5.5
3.3	87.5°	2.3	1.0	1.0	1.3	1.0	2.3	6.5	6.2	3.6	0.7
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

180°
<hr/>
750.3
661.6
535.4
414.1
338.1
310.4
301.0
290.2
275.2
256.0
235.1
214.9
198.9
188.1
180.0
180.6
174.8
161.4
148.4
137.3
129.8
124.6
114.8
106.6
95.2
82.5
69.8
62.3
55.4
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32.0
25.1
16.6
10.8
4.2
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