

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: P845895

Luminaire Tested: **GLAN-SB1B-735-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845895
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-SB1B-735-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH
HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4036 lumens
Efficiency: N/A
Efficacy: 101.4 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

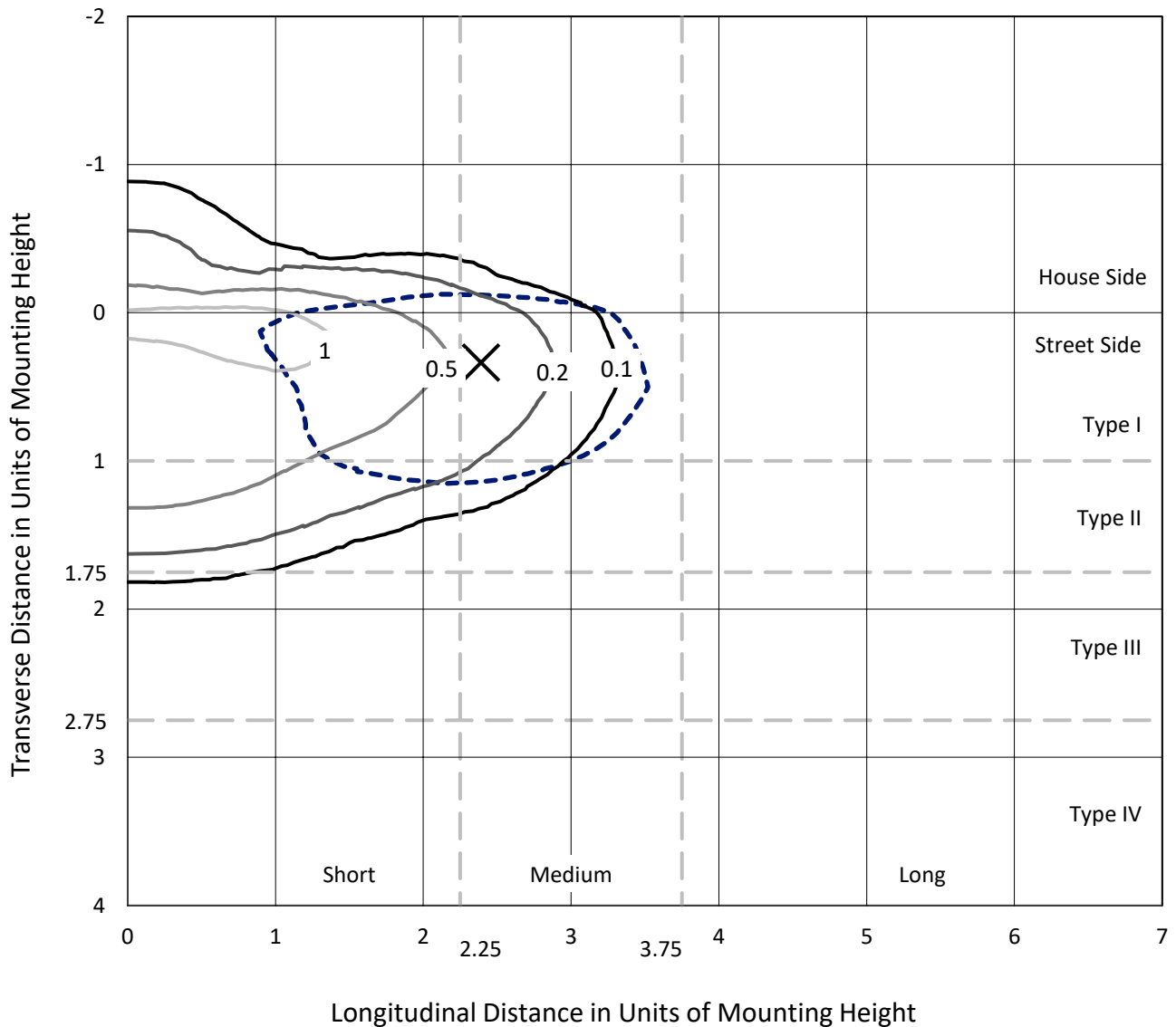
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

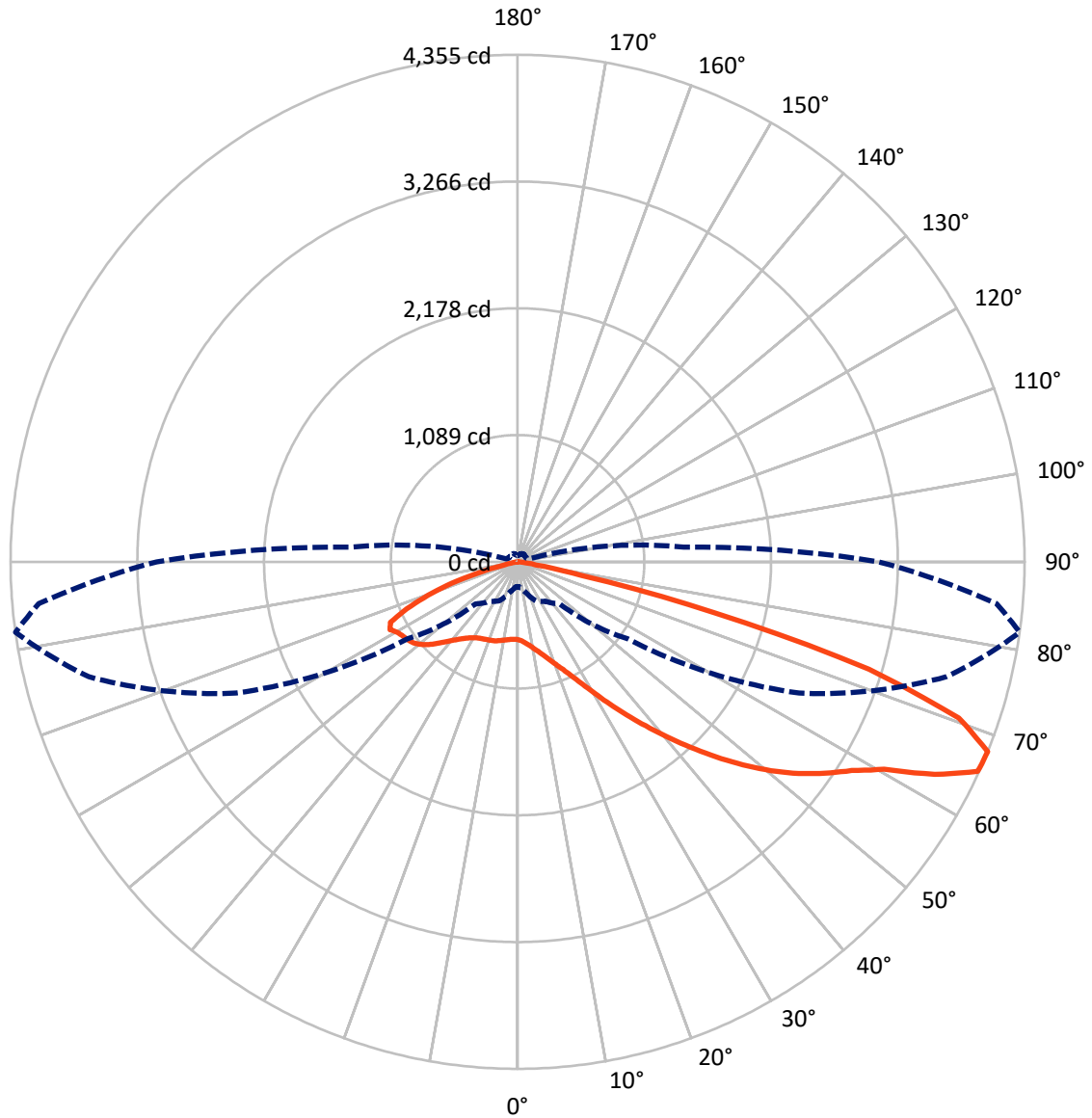
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 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	731.1	0.0	731.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	3304.9	0.0	3304.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	4036.0	0.0	4036.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.6	1.5
10°-20°	154.8	3.8
20°-30°	247.9	6.1
30°-40°	438.4	10.9
40°-50°	768.2	19.0
50°-60°	1024.5	25.4
60°-70°	953.8	23.6
70°-80°	366.1	9.1
80°-90°	22.7	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°	4036.0	100.0
0°-180°	4036.0	100.0

Coefficient of Utilization

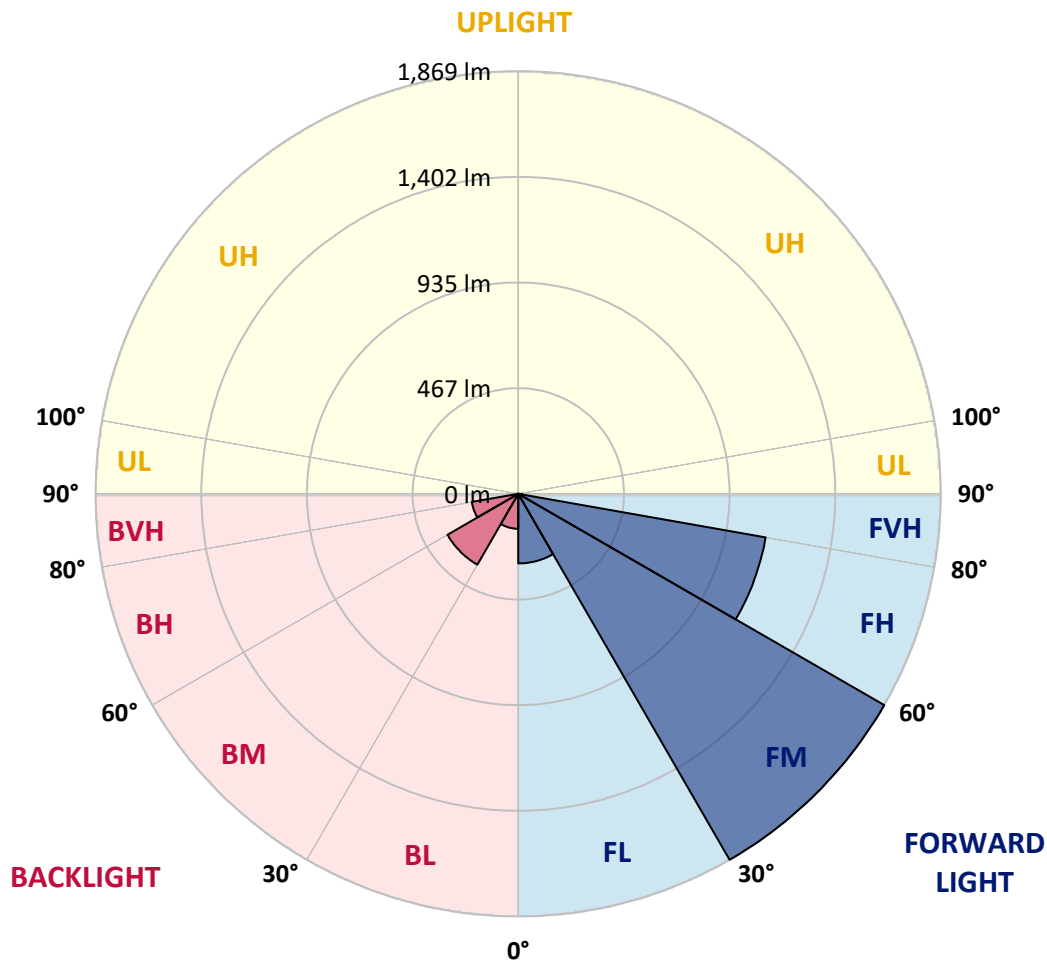


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	307.9	7.6			
FM (30°-60°)	1869.3	46.3			
FH (60°-80°)	1111.2	27.5			G1/1800
FVH (80°-90°)	16.5	0.4			G1/100
BL (0°-30°)	154.4	3.8	B1/500		
BM (30°-60°)	361.8	9.0	B1/1000		
BH (60°-80°)	208.7	5.2	B1/500		G1/500
BVH (80°-90°)	6.2	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°	668.6	668.6	668.6	668.6	668.6	668.6	668.6	668.6	668.6	668.6
2.5°	706.7	710.8	708.4	707.3	705.2	702.3	700.0	692.7	685.2	680.3
5°	720.9	725.0	724.7	725.9	727.3	728.2	727.6	719.5	708.7	700.3
7.5°	708.7	713.4	717.2	723.0	733.1	743.9	749.1	747.4	736.3	724.7
10°	674.1	679.1	688.1	701.8	723.3	746.5	766.0	775.0	768.0	755.2
12.5°	610.8	615.7	633.5	663.1	699.1	739.5	776.7	800.8	802.6	789.8
15°	539.6	544.6	563.4	600.6	655.6	720.4	782.5	828.2	843.6	832.5
17.5°	495.4	499.8	514.0	544.0	601.2	682.0	780.5	857.2	892.4	883.7
20°	482.1	485.9	492.5	513.5	561.1	642.2	767.1	884.5	945.0	940.0
22.5°	496.3	499.8	501.8	511.1	541.1	616.0	750.3	912.4	1006.0	1006.6
25°	529.1	532.6	530.3	536.1	549.2	607.9	743.9	945.3	1082.7	1089.1
27.5°	583.2	583.5	578.0	577.7	579.7	620.1	750.6	980.4	1179.5	1191.4
30°	691.6	687.2	666.0	643.1	632.6	656.7	769.2	1022.0	1293.7	1314.9
32.5°	858.7	852.3	813.3	758.4	703.2	715.7	802.6	1069.3	1418.0	1456.4
35°	1040.0	1038.2	997.6	915.9	819.4	799.7	856.9	1131.5	1553.7	1614.8
37.5°	1208.5	1207.7	1184.4	1088.2	970.8	916.8	944.1	1212.9	1699.0	1787.4
40°	1362.5	1365.2	1341.9	1255.9	1137.6	1067.0	1062.7	1313.4	1860.6	1975.4
42.5°	1495.6	1498.5	1475.0	1411.4	1302.4	1233.2	1208.2	1436.6	2018.4	2177.3
45°	1586.0	1604.0	1600.5	1549.7	1471.5	1399.7	1383.2	1591.2	2198.3	2391.5
47.5°	1611.6	1628.1	1654.3	1661.3	1613.6	1543.0	1562.7	1777.5	2380.2	2605.9
50°	1548.5	1563.9	1618.2	1690.6	1723.7	1701.9	1737.4	1977.1	2566.4	2819.8
52.5°	1424.1	1439.8	1508.4	1622.9	1758.0	1826.6	1912.6	2173.8	2746.9	3022.3
55°	1244.3	1260.8	1348.9	1478.5	1692.6	1878.0	2058.8	2370.3	2912.2	3204.5
57.5°	999.6	1011.8	1103.3	1284.7	1528.2	1826.9	2166.6	2584.7	3068.0	3383.5
60°	651.5	662.2	768.6	970.8	1255.6	1656.0	2188.1	2823.9	3274.9	3616.3
62.5°	433.3	440.5	503.6	652.1	884.2	1328.0	2062.3	3014.8	3578.2	4021.4
65°	297.3	304.5	367.6	471.0	571.3	878.4	1700.5	2989.5	3853.1	4343.0
67.5°	212.1	218.2	271.7	369.3	413.5	510.3	1152.7	2666.4	3813.6	4355.2
70°	152.0	155.5	199.6	287.7	328.6	306.6	641.0	2039.3	3339.1	4021.7
72.5°	106.4	107.5	138.6	219.1	264.7	223.7	305.1	1359.6	2525.4	3156.6
75°	72.1	73.5	93.3	160.7	212.4	170.9	161.6	729.1	1482.5	1747.3
77.5°	44.2	44.7	60.2	109.8	158.9	130.2	104.0	308.9	573.6	563.1
80°	25.0	25.0	38.4	68.3	108.4	84.0	72.9	131.3	181.6	159.5
82.5°	13.9	14.2	27.9	42.4	71.8	49.7	40.1	60.7	78.5	69.4
85°	5.8	6.4	17.1	20.1	34.3	24.7	16.3	25.6	29.1	25.9
87.5°	0.6	0.9	5.2	3.8	4.1	4.9	2.3	4.9	4.1	4.1
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°
668.6	0°	668.6	668.6	668.6	668.6	668.6	668.6	668.6	668.6	668.6	668.6
678.5	2.5°	673.0	668.6	657.6	644.8	627.9	619.8	608.8	601.2	594.8	595.4
695.4	5°	686.1	675.0	650.3	619.5	581.2	553.8	524.8	504.7	488.5	485.0
718.6	7.5°	704.1	686.6	643.3	587.8	523.0	473.9	430.1	401.9	381.8	375.4
746.8	10°	727.3	702.0	634.3	548.0	454.8	392.3	345.2	323.1	309.5	304.8
779.9	12.5°	754.4	719.8	622.4	499.5	384.4	324.3	294.4	283.3	279.0	277.5
820.6	15°	788.3	741.9	604.4	442.0	324.9	282.7	270.0	268.5	269.1	268.5
869.4	17.5°	828.7	766.0	575.1	382.7	284.8	261.5	256.9	258.0	259.5	259.2
924.0	20°	872.9	789.8	537.6	330.1	257.5	246.4	243.8	245.0	246.1	245.5
987.1	22.5°	923.2	815.4	496.0	289.1	239.1	232.5	229.6	229.9	229.9	228.7
1067.0	25°	983.3	843.6	452.4	260.1	225.2	220.0	216.5	215.3	213.6	210.1
1164.1	27.5°	1055.1	873.5	410.6	239.7	214.2	209.2	205.2	202.2	197.9	192.1
1280.6	30°	1135.9	909.8	375.1	226.9	205.4	200.5	195.9	191.5	185.1	177.8
1414.6	32.5°	1230.9	948.7	349.3	218.5	197.6	192.4	186.8	181.6	174.6	167.4
1565.1	35°	1344.2	995.8	334.2	212.7	191.5	184.5	178.4	172.6	167.4	161.0
1728.7	37.5°	1467.1	1045.8	329.5	209.8	187.4	176.7	169.7	165.6	165.1	161.3
1905.6	40°	1601.7	1105.1	333.0	208.1	183.1	169.1	161.6	160.7	162.1	155.5
2094.8	42.5°	1744.1	1175.4	338.8	206.0	177.0	161.6	154.3	154.3	153.1	143.8
2294.7	45°	1898.1	1256.5	344.6	201.1	169.7	154.0	148.5	146.5	141.5	132.5
2495.8	47.5°	2053.3	1339.0	349.0	192.1	161.0	147.6	142.7	138.0	130.8	122.6
2693.1	50°	2200.6	1413.1	344.3	178.7	151.1	141.5	136.3	129.9	122.0	116.5
2880.0	52.5°	2332.2	1477.3	324.6	163.0	140.6	135.1	130.5	123.8	117.4	111.6
3048.5	55°	2446.7	1529.3	289.7	148.2	131.3	129.6	125.0	116.5	107.8	102.9
3215.6	57.5°	2556.5	1568.9	246.1	136.0	122.9	123.5	116.5	109.0	100.8	95.6
3440.8	60°	2702.7	1621.7	202.0	124.7	113.9	115.7	108.1	102.6	92.4	85.7
3827.0	62.5°	2936.3	1704.0	160.4	110.7	103.4	104.0	100.8	94.1	81.9	74.1
4113.2	65°	3121.7	1673.8	126.4	95.6	91.5	92.4	92.4	85.1	72.1	63.1
4128.6	67.5°	3100.8	1433.1	100.8	80.8	80.2	80.8	82.8	76.7	63.9	56.7
3814.2	70°	2856.4	1140.0	80.8	67.1	69.7	68.3	74.1	70.0	57.5	50.3
2957.0	72.5°	2330.8	821.2	61.6	55.5	53.5	55.8	66.8	63.1	47.9	39.8
1566.2	75°	1362.0	438.2	45.9	43.9	38.6	46.5	59.3	53.8	36.6	29.3
480.0	77.5°	443.4	152.8	33.7	32.3	28.8	37.5	50.6	45.3	29.9	23.2
140.6	80°	118.8	46.2	23.0	21.2	18.6	27.9	40.1	36.0	21.5	15.1
60.4	82.5°	47.7	19.5	13.4	11.9	10.2	19.2	31.7	29.1	16.0	9.6
18.9	85°	15.4	6.4	4.9	3.8	4.6	11.9	18.9	19.8	11.3	4.9
2.9	87.5°	2.0	0.9	0.9	1.2	0.9	2.0	5.8	5.5	3.2	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

<u>180°</u>
668.6
589.6
477.1
369.0
301.3
276.6
268.2
258.6
245.3
228.1
209.5
191.5
177.3
167.7
160.4
161.0
155.8
143.8
132.2
122.3
115.7
111.0
102.3
95.0
84.8
73.5
62.2
55.5
49.4
38.9
28.5
22.4
14.8
9.6
3.8
0.0
0.0

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