

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: P845935

Luminaire Tested: **GLAN-SB1B-827-U-T2-HSS**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P845935
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-827-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 2700K, 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: 3280 lumens
Efficiency: N/A
Efficacy: 82.4 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

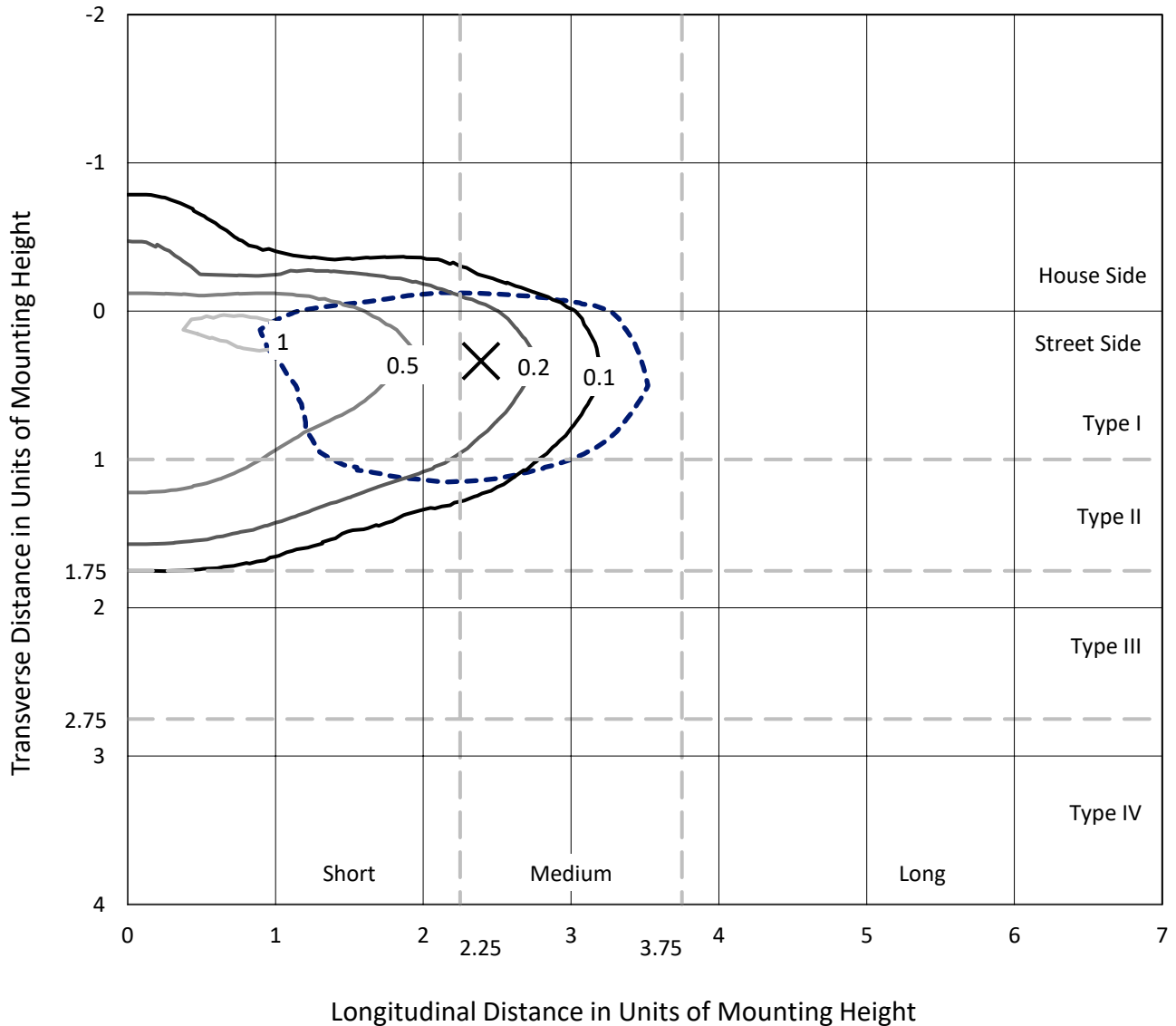
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

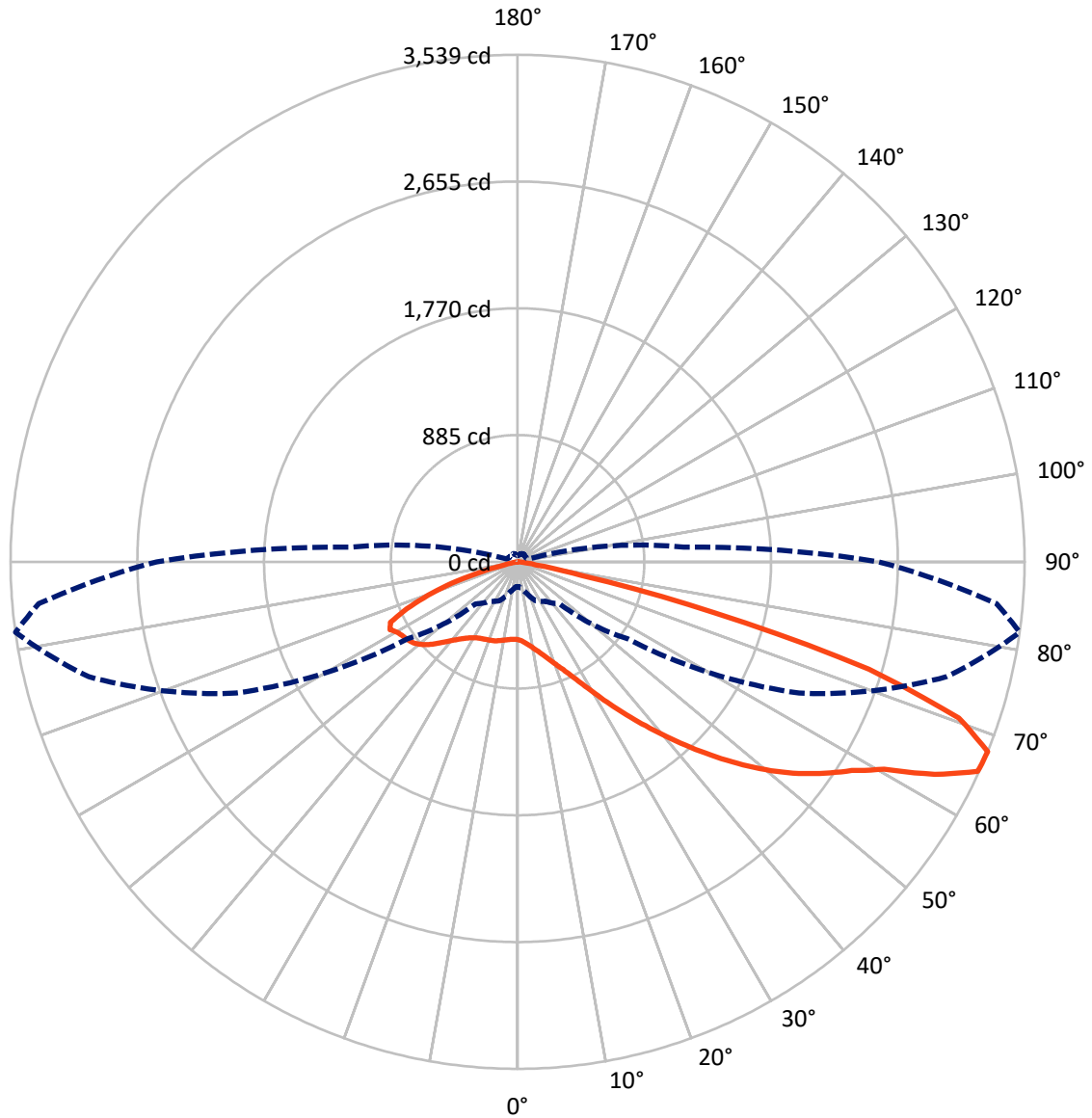
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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	594.2	0.0	594.2
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	2685.9	0.0	2685.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	3280.0	0.0	3280.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	1.5
10°-20°	125.8	3.8
20°-30°	201.5	6.1
30°-40°	356.3	10.9
40°-50°	624.3	19.0
50°-60°	832.6	25.4
60°-70°	775.1	23.6
70°-80°	297.5	9.1
80°-90°	18.5	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°	3280.0	100.0
0°-180°	3280.0	100.0

Coefficient of Utilization



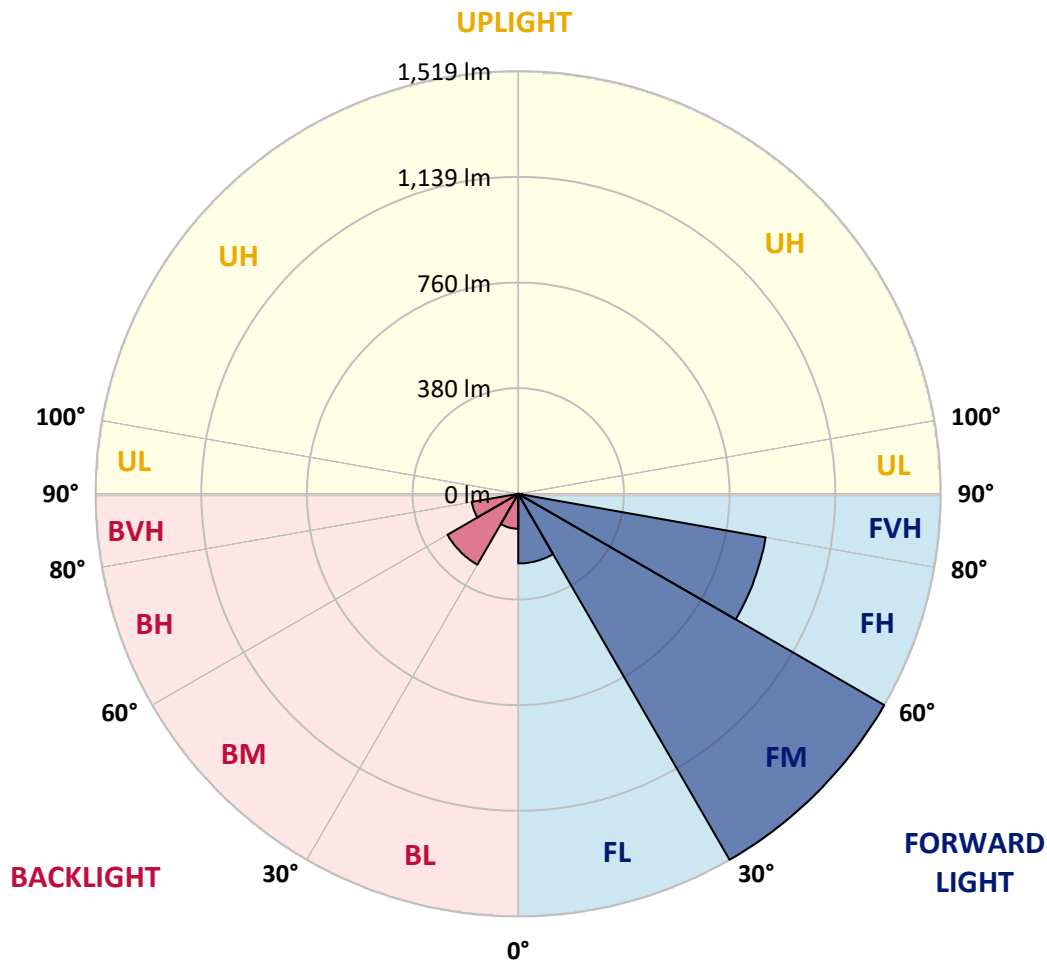
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	250.2	7.6			
FM (30°-60°)	1519.2	46.3			
FH (60°-80°)	903.0	27.5			G1/1800
FVH (80°-90°)	13.4	0.4			G1/100
BL (0°-30°)	125.5	3.8	B1/500		
BM (30°-60°)	294.0	9.0	B1/1000		
BH (60°-80°)	169.6	5.2	B1/500		G1/500
BVH (80°-90°)	5.0	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°	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4
2.5°	574.3	577.6	575.7	574.8	573.1	570.8	568.9	563.0	556.8	552.8
5°	585.9	589.2	589.0	589.9	591.1	591.8	591.3	584.7	576.0	569.1
7.5°	576.0	579.8	582.8	587.5	595.8	604.5	608.8	607.4	598.4	589.0
10°	547.9	551.9	559.2	570.3	587.8	606.7	622.5	629.8	624.1	613.8
12.5°	496.4	500.4	514.8	538.9	568.2	601.0	631.2	650.8	652.3	641.9
15°	438.5	442.5	457.9	488.1	532.8	585.4	636.0	673.0	685.5	676.6
17.5°	402.6	406.2	417.8	442.1	488.6	554.2	634.3	696.6	725.2	718.1
20°	391.8	394.8	400.3	417.3	456.0	521.9	623.4	718.8	768.0	764.0
22.5°	403.3	406.2	407.8	415.4	439.7	500.6	609.7	741.5	817.6	818.0
25°	430.0	432.9	431.0	435.7	446.3	494.0	604.5	768.2	879.9	885.1
27.5°	474.0	474.2	469.7	469.5	471.1	503.9	610.0	796.8	958.5	968.2
30°	562.0	558.5	541.3	522.6	514.1	533.7	625.1	830.5	1051.3	1068.6
32.5°	697.8	692.6	661.0	616.4	571.5	581.6	652.3	869.0	1152.4	1183.6
35°	845.2	843.8	810.7	744.4	665.9	649.9	696.4	919.6	1262.7	1312.3
37.5°	982.2	981.4	962.6	884.4	789.0	745.1	767.3	985.7	1380.8	1452.6
40°	1107.3	1109.4	1090.5	1020.6	924.5	867.1	863.6	1067.4	1512.1	1605.4
42.5°	1215.5	1217.8	1198.7	1147.0	1058.4	1002.2	981.9	1167.5	1640.3	1769.5
45°	1288.9	1303.6	1300.7	1259.4	1195.9	1137.5	1124.1	1293.2	1786.5	1943.5
47.5°	1309.7	1323.2	1344.4	1350.1	1311.4	1254.0	1270.0	1444.5	1934.3	2117.8
50°	1258.5	1271.0	1315.1	1373.9	1400.9	1383.1	1412.0	1606.8	2085.7	2291.6
52.5°	1157.4	1170.1	1225.9	1318.9	1428.7	1484.4	1554.4	1766.7	2232.3	2456.2
55°	1011.2	1024.7	1096.2	1201.5	1375.6	1526.2	1673.1	1926.3	2366.7	2604.3
57.5°	812.4	822.3	896.7	1044.0	1241.9	1484.7	1760.7	2100.6	2493.3	2749.8
60°	529.5	538.2	624.6	789.0	1020.4	1345.8	1778.2	2294.9	2661.4	2938.9
62.5°	352.1	358.0	409.3	529.9	718.6	1079.2	1676.0	2450.1	2908.0	3268.1
65°	241.6	247.5	298.7	382.8	464.3	713.9	1382.0	2429.5	3131.4	3529.5
67.5°	172.4	177.3	220.8	300.1	336.0	414.7	936.8	2166.9	3099.3	3539.4
70°	123.5	126.3	162.2	233.8	267.1	249.1	521.0	1657.3	2713.6	3268.3
72.5°	86.4	87.4	112.6	178.1	215.1	181.8	248.0	1105.0	2052.4	2565.3
75°	58.6	59.7	75.8	130.6	172.6	138.9	131.3	592.5	1204.8	1420.0
77.5°	35.9	36.4	48.9	89.3	129.2	105.8	84.5	251.0	466.2	457.7
80°	20.3	20.3	31.2	55.5	88.1	68.2	59.3	106.7	147.6	129.6
82.5°	11.3	11.6	22.7	34.5	58.3	40.4	32.6	49.4	63.8	56.4
85°	4.7	5.2	13.9	16.3	27.9	20.1	13.2	20.8	23.6	21.0
87.5°	0.5	0.7	4.3	3.1	3.3	4.0	1.9	4.0	3.3	3.3
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°
543.4	0°	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4	543.4
551.4	2.5°	546.9	543.4	534.4	524.0	510.3	503.7	494.7	488.6	483.4	483.9
565.1	5°	557.6	548.6	528.5	503.5	472.3	450.1	426.5	410.2	397.0	394.1
584.0	7.5°	572.2	558.0	522.8	477.7	425.1	385.2	349.5	326.6	310.3	305.1
606.9	10°	591.1	570.5	515.5	445.4	369.6	318.8	280.5	262.6	251.5	247.7
633.8	12.5°	613.0	584.9	505.8	405.9	312.4	263.5	239.2	230.2	226.7	225.5
666.9	15°	640.7	602.9	491.2	359.2	264.0	229.8	219.4	218.2	218.7	218.2
706.6	17.5°	673.5	622.5	467.3	311.0	231.4	212.5	208.8	209.7	210.9	210.6
751.0	20°	709.4	641.9	436.9	268.3	209.2	200.3	198.1	199.1	200.0	199.5
802.2	22.5°	750.3	662.6	403.1	235.0	194.4	188.9	186.6	186.8	186.8	185.9
867.1	25°	799.1	685.5	367.7	211.4	183.0	178.8	175.9	175.0	173.6	170.7
946.0	27.5°	857.5	709.9	333.7	194.8	174.0	170.0	166.7	164.4	160.8	156.1
1040.7	30°	923.1	739.4	304.9	184.4	167.0	162.9	159.2	155.6	150.4	144.5
1149.6	32.5°	1000.3	771.0	283.9	177.6	160.6	156.3	151.8	147.6	141.9	136.0
1271.9	35°	1092.4	809.3	271.6	172.9	155.6	150.0	145.0	140.3	136.0	130.8
1404.9	37.5°	1192.3	849.9	267.8	170.5	152.3	143.6	137.9	134.6	134.1	131.1
1548.7	40°	1301.7	898.1	270.6	169.1	148.8	137.4	131.3	130.6	131.8	126.3
1702.4	42.5°	1417.4	955.2	275.4	167.4	143.8	131.3	125.4	125.4	124.5	116.9
1864.9	45°	1542.5	1021.1	280.1	163.4	137.9	125.2	120.7	119.0	115.0	107.7
2028.3	47.5°	1668.6	1088.2	283.6	156.1	130.8	120.0	116.0	112.2	106.3	99.7
2188.7	50°	1788.4	1148.4	279.8	145.2	122.8	115.0	110.8	105.6	99.2	94.7
2340.5	52.5°	1895.4	1200.6	263.8	132.5	114.3	109.8	106.0	100.6	95.4	90.7
2477.5	55°	1988.4	1242.9	235.4	120.4	106.7	105.3	101.5	94.7	87.6	83.6
2613.3	57.5°	2077.7	1275.0	200.0	110.5	99.9	100.4	94.7	88.6	81.9	77.7
2796.3	60°	2196.4	1318.0	164.1	101.3	92.6	94.0	87.8	83.4	75.1	69.7
3110.1	62.5°	2386.3	1384.8	130.4	90.0	84.1	84.5	81.9	76.5	66.6	60.2
3342.7	65°	2537.0	1360.2	102.7	77.7	74.4	75.1	75.1	69.2	58.6	51.2
3355.2	67.5°	2520.0	1164.7	81.9	65.7	65.2	65.7	67.3	62.3	52.0	46.0
3099.7	70°	2321.4	926.4	65.7	54.6	56.7	55.5	60.2	56.9	46.8	40.9
2403.1	72.5°	1894.2	667.4	50.1	45.1	43.5	45.3	54.3	51.2	39.0	32.4
1272.9	75°	1106.8	356.1	37.3	35.7	31.4	37.8	48.2	43.7	29.8	23.9
390.1	77.5°	360.4	124.2	27.4	26.2	23.4	30.5	41.1	36.8	24.3	18.9
114.3	80°	96.6	37.5	18.7	17.2	15.1	22.7	32.6	29.3	17.5	12.3
49.1	82.5°	38.7	15.8	10.9	9.7	8.3	15.6	25.7	23.6	13.0	7.8
15.3	85°	12.5	5.2	4.0	3.1	3.8	9.7	15.3	16.1	9.2	4.0
2.4	87.5°	1.7	0.7	0.7	0.9	0.7	1.7	4.7	4.5	2.6	0.5
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>
543.4
479.2
387.8
299.9
244.9
224.8
218.0
210.2
199.3
185.4
170.3
155.6
144.1
136.3
130.4
130.8
126.6
116.9
107.4
99.4
94.0
90.2
83.1
77.2
69.0
59.7
50.5
45.1
40.1
31.6
23.1
18.2
12.0
7.8
3.1
0.0
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