

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: P846155

Luminaire Tested: **GLAN-SB1C-927-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846155  
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-927-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS WITH  
HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

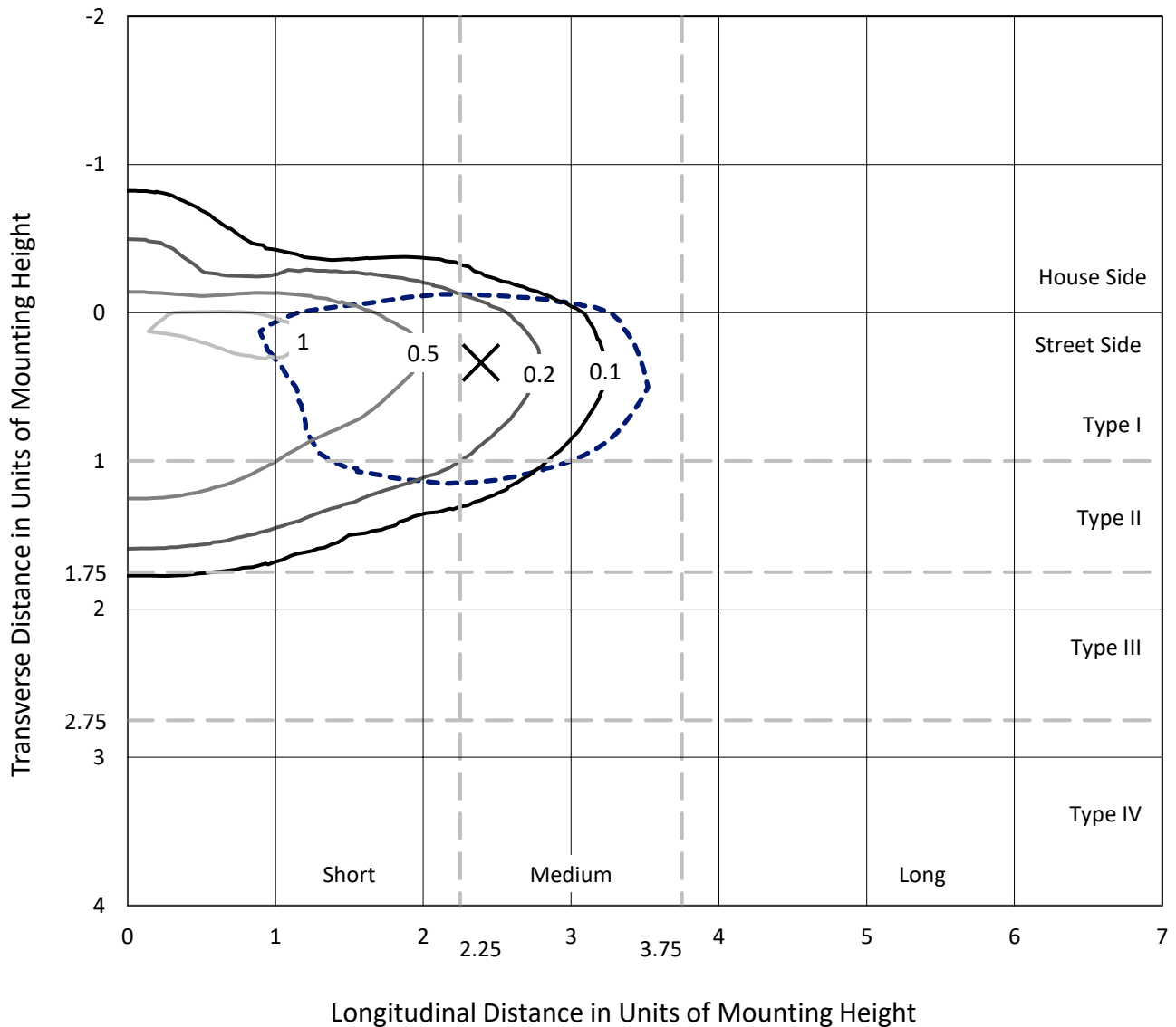
Lumens per Lamp: N/A  
Luminaire Lumens: 3523 lumens  
Efficiency: N/A  
Efficacy: 64.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 54.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

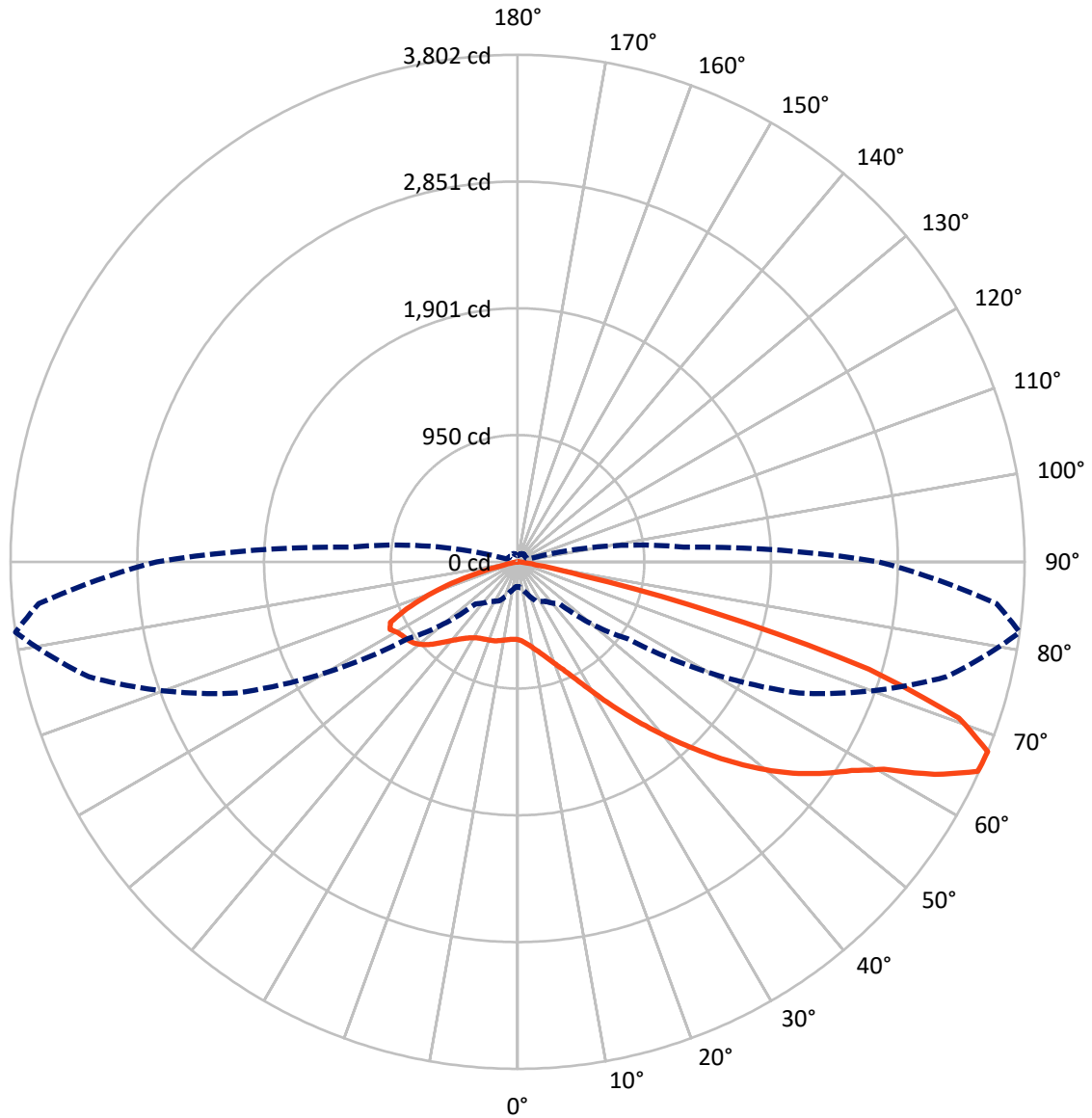
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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
<b>House Side</b>	Lumens	638.2	0.0	638.2
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	2884.8	0.0	2884.8
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	3523.0	0.0	3523.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.0	1.5
10°-20°	135.1	3.8
20°-30°	216.4	6.1
30°-40°	382.7	10.9
40°-50°	670.5	19.0
50°-60°	894.3	25.4
60°-70°	832.5	23.6
70°-80°	319.5	9.1
80°-90°	19.9	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°	3523.0	100.0
0°-180°	3523.0	100.0

**Coefficient of Utilization**

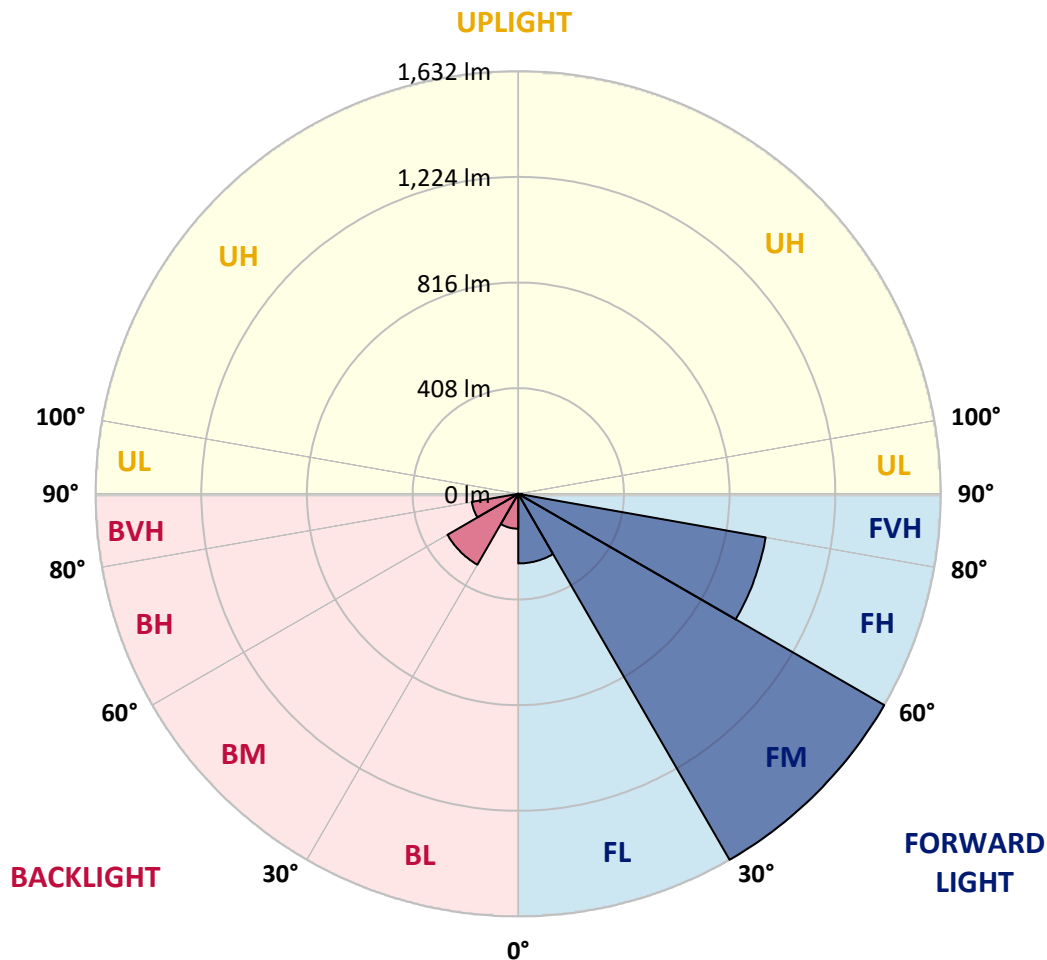


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	268.8	7.6			
FM (30°-60°)	1631.7	46.3			
FH (60°-80°)	969.9	27.5			G1/1800
FVH (80°-90°)	14.4	0.4			G1/100
BL (0°-30°)	134.8	3.8	B1/500		
BM (30°-60°)	315.8	9.0	B1/1000		
BH (60°-80°)	182.1	5.2	B1/500		G1/500
BVH (80°-90°)	5.4	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°	583.6	583.6	583.6	583.6	583.6	583.6	583.6	583.6	583.6	583.6
2.5°	616.9	620.4	618.4	617.4	615.6	613.1	611.0	604.7	598.1	593.8
5°	629.3	632.8	632.6	633.6	634.9	635.6	635.1	628.0	618.6	611.3
7.5°	618.6	622.7	626.0	631.1	640.0	649.3	653.9	652.4	642.7	632.6
10°	588.5	592.8	600.6	612.6	631.3	651.6	668.6	676.5	670.4	659.2
12.5°	533.2	537.5	553.0	578.8	610.3	645.5	678.0	699.1	700.6	689.4
15°	471.0	475.3	491.8	524.3	572.2	628.8	683.1	722.9	736.3	726.7
17.5°	432.5	436.3	448.7	474.8	524.8	595.3	681.3	748.3	779.0	771.3
20°	420.8	424.1	429.9	448.2	489.8	560.6	669.6	772.1	824.9	820.5
22.5°	433.2	436.3	438.0	446.2	472.3	537.7	654.9	796.5	878.1	878.6
25°	461.9	464.9	462.9	468.0	479.4	530.6	649.3	825.1	945.1	950.7
27.5°	509.1	509.3	504.5	504.3	506.0	541.3	655.2	855.8	1029.6	1040.0
30°	603.7	599.9	581.4	561.3	552.2	573.2	671.4	892.1	1129.2	1147.8
32.5°	749.5	743.9	710.0	662.0	613.8	624.7	700.6	933.4	1237.8	1271.3
35°	907.8	906.3	870.8	799.5	715.3	698.0	748.0	987.7	1356.3	1409.5
37.5°	1054.9	1054.2	1033.9	949.9	847.4	800.3	824.1	1058.7	1483.1	1560.2
40°	1189.4	1191.6	1171.3	1096.3	993.0	931.4	927.6	1146.5	1624.1	1724.3
42.5°	1305.5	1308.1	1287.5	1232.0	1136.8	1076.5	1054.7	1254.0	1761.8	1900.6
45°	1384.4	1400.1	1397.1	1352.7	1284.5	1221.8	1207.4	1389.0	1918.8	2087.5
47.5°	1406.7	1421.2	1444.0	1450.1	1408.5	1346.9	1364.1	1551.6	2077.6	2274.7
50°	1351.7	1365.1	1412.6	1475.7	1504.6	1485.6	1516.6	1725.8	2240.2	2461.4
52.5°	1243.1	1256.8	1316.7	1416.6	1534.6	1594.4	1669.5	1897.5	2397.7	2638.2
55°	1086.1	1100.6	1177.4	1290.6	1477.5	1639.3	1797.1	2069.0	2542.1	2797.2
57.5°	872.5	883.2	963.1	1121.4	1333.9	1594.7	1891.2	2256.2	2678.0	2953.5
60°	568.7	578.1	670.9	847.4	1096.0	1445.5	1910.0	2464.9	2858.6	3156.6
62.5°	378.2	384.5	439.6	569.2	771.8	1159.2	1800.1	2631.6	3123.4	3510.2
65°	259.5	265.8	320.9	411.2	498.7	766.8	1484.3	2609.5	3363.4	3791.0
67.5°	185.2	190.5	237.2	322.4	360.9	445.4	1006.2	2327.5	3328.9	3801.7
70°	132.7	135.7	174.3	251.1	286.9	267.6	559.5	1780.1	2914.7	3510.5
72.5°	92.8	93.8	121.0	191.2	231.1	195.3	266.3	1186.8	2204.4	2755.4
75°	62.9	64.2	81.4	140.3	185.4	149.1	141.0	636.4	1294.1	1525.2
77.5°	38.6	39.1	52.5	95.9	138.7	113.6	90.8	269.6	500.7	491.6
80°	21.8	21.8	33.5	59.6	94.6	73.3	63.7	114.6	158.5	139.3
82.5°	12.2	12.4	24.4	37.0	62.7	43.4	35.0	53.0	68.5	60.6
85°	5.1	5.6	15.0	17.5	29.9	21.6	14.2	22.3	25.4	22.6
87.5°	0.5	0.8	4.6	3.3	3.6	4.3	2.0	4.3	3.6	3.6
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°
583.6	0°	583.6	583.6	583.6	583.6	583.6	583.6	583.6	583.6	583.6	583.6
592.3	2.5°	587.4	583.6	574.0	562.8	548.1	541.0	531.4	524.8	519.2	519.7
607.0	5°	598.9	589.2	567.7	540.8	507.3	483.5	458.1	440.6	426.4	423.3
627.3	7.5°	614.6	599.4	561.6	513.1	456.6	413.7	375.4	350.8	333.3	327.7
651.9	10°	634.9	612.8	553.7	478.4	397.0	342.4	301.3	282.1	270.1	266.1
680.8	12.5°	658.5	628.3	543.3	436.0	335.6	283.1	256.9	247.3	243.5	242.2
716.3	15°	688.1	647.6	527.6	385.8	283.6	246.8	235.6	234.4	234.9	234.4
758.9	17.5°	723.4	668.6	502.0	334.1	248.6	228.3	224.2	225.2	226.5	226.3
806.6	20°	762.0	689.4	469.2	288.1	224.7	215.1	212.8	213.8	214.8	214.3
861.6	22.5°	805.8	711.7	433.0	252.4	208.8	202.9	200.4	200.6	200.6	199.6
931.4	25°	858.3	736.3	394.9	227.0	196.6	192.0	189.0	188.0	186.4	183.4
1016.1	27.5°	921.0	762.5	358.4	209.3	186.9	182.6	179.1	176.5	172.7	167.7
1117.8	30°	991.5	794.2	327.5	198.1	179.3	175.0	171.0	167.2	161.6	155.2
1234.8	32.5°	1074.4	828.2	304.9	190.7	172.5	167.9	163.1	158.5	152.4	146.1
1366.1	35°	1173.4	869.2	291.7	185.7	167.2	161.1	155.7	150.7	146.1	140.5
1508.9	37.5°	1280.7	912.9	287.6	183.1	163.6	154.2	148.1	144.6	144.1	140.8
1663.4	40°	1398.1	964.6	290.7	181.6	159.8	147.6	141.0	140.3	141.5	135.7
1828.5	42.5°	1522.4	1026.0	295.8	179.8	154.5	141.0	134.7	134.7	133.7	125.6
2003.1	45°	1656.8	1096.8	300.8	175.5	148.1	134.4	129.6	127.8	123.5	115.7
2178.6	47.5°	1792.3	1168.8	304.6	167.7	140.5	128.9	124.5	120.5	114.1	107.0
2350.8	50°	1920.9	1233.5	300.6	156.0	131.9	123.5	119.0	113.4	106.5	101.7
2513.9	52.5°	2035.8	1289.5	283.3	142.3	122.8	117.9	113.9	108.1	102.5	97.4
2661.0	55°	2135.7	1334.9	252.9	129.4	114.6	113.1	109.1	101.7	94.1	89.8
2806.9	57.5°	2231.6	1369.4	214.8	118.7	107.3	107.8	101.7	95.1	88.0	83.4
3003.4	60°	2359.2	1415.6	176.3	108.8	99.4	101.0	94.4	89.5	80.7	74.8
3340.5	62.5°	2563.1	1487.4	140.0	96.6	90.3	90.8	88.0	82.2	71.5	64.7
3590.4	65°	2724.9	1461.0	110.3	83.4	79.9	80.7	80.7	74.3	62.9	55.0
3603.8	67.5°	2706.7	1251.0	88.0	70.5	70.0	70.5	72.3	67.0	55.8	49.5
3329.4	70°	2493.4	995.1	70.5	58.6	60.9	59.6	64.7	61.1	50.2	43.9
2581.1	72.5°	2034.5	716.8	53.8	48.4	46.7	48.7	58.3	55.0	41.9	34.7
1367.2	75°	1188.8	382.5	40.1	38.3	33.7	40.6	51.7	46.9	32.0	25.6
419.0	77.5°	387.1	133.4	29.4	28.2	25.1	32.7	44.1	39.6	26.1	20.3
122.8	80°	103.7	40.3	20.0	18.5	16.2	24.4	35.0	31.5	18.8	13.2
52.8	82.5°	41.6	17.0	11.7	10.4	8.9	16.7	27.6	25.4	14.0	8.4
16.5	85°	13.4	5.6	4.3	3.3	4.1	10.4	16.5	17.2	9.9	4.3
2.5	87.5°	1.8	0.8	0.8	1.0	0.8	1.8	5.1	4.8	2.8	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>
583.6
514.6
416.5
322.1
263.0
241.5
234.1
225.7
214.1
199.1
182.9
167.2
154.7
146.4
140.0
140.5
136.0
125.6
115.4
106.8
101.0
96.9
89.3
82.9
74.1
64.2
54.3
48.4
43.1
34.0
24.9
19.5
12.9
8.4
3.3
0.0
0.0

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