

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: P845988

Luminaire Tested: **GLAN-SB1B-927-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845988  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 90 CRI, 2700K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3630 lumens  
Efficiency: N/A  
Efficacy: 91.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1

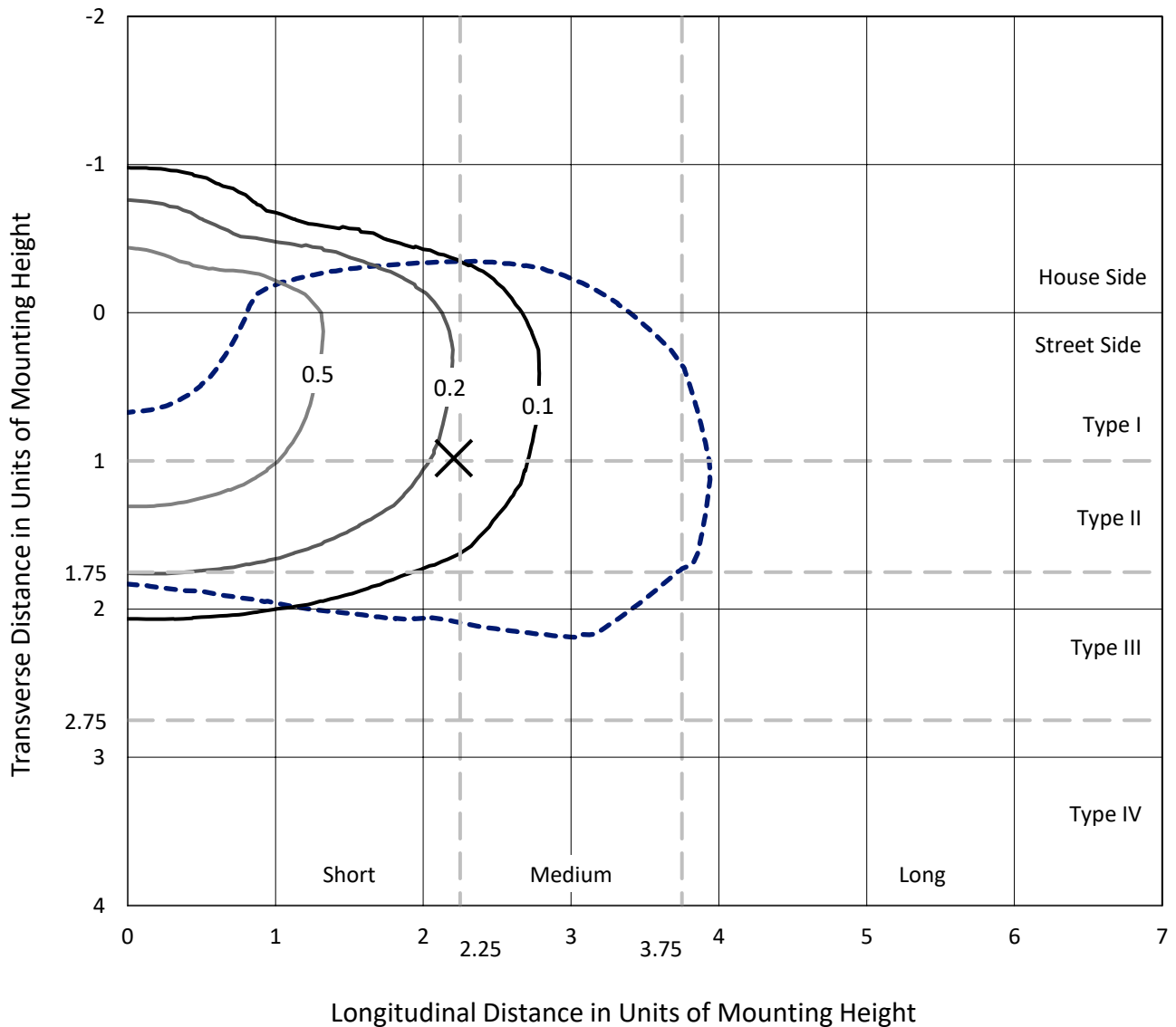
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

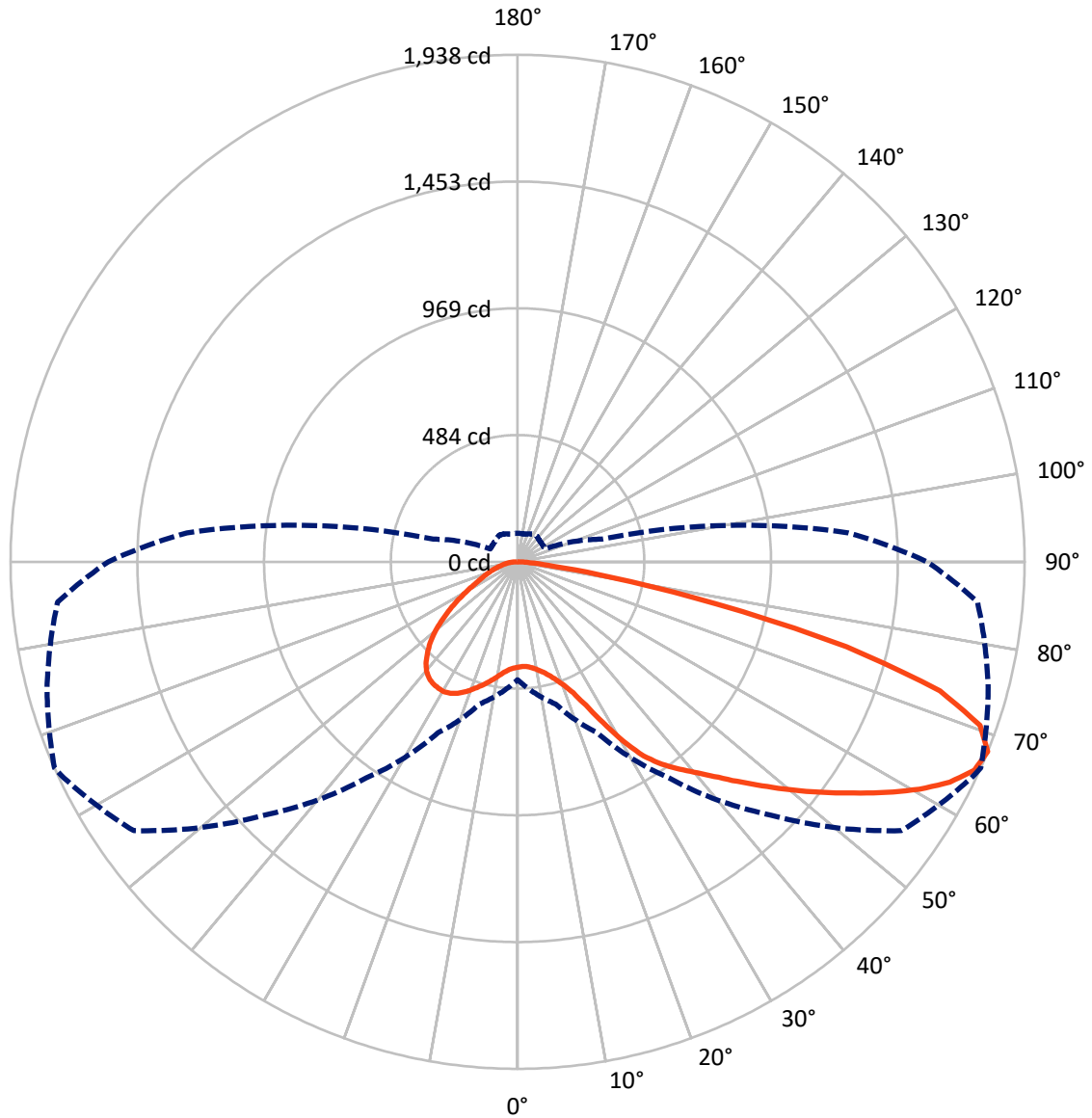
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	902.6	0.0	902.6
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	2727.4	0.0	2727.4
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	3630.0	0.0	3630.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.9	1.1
10°-20°	131.9	3.6
20°-30°	254.2	7.0
30°-40°	445.7	12.3
40°-50°	662.6	18.3
50°-60°	839.9	23.1
60°-70°	821.8	22.6
70°-80°	392.0	10.8
80°-90°	41.9	1.2
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°	3630.0	100.0
0°-180°	3630.0	100.0

**Coefficient of Utilization**



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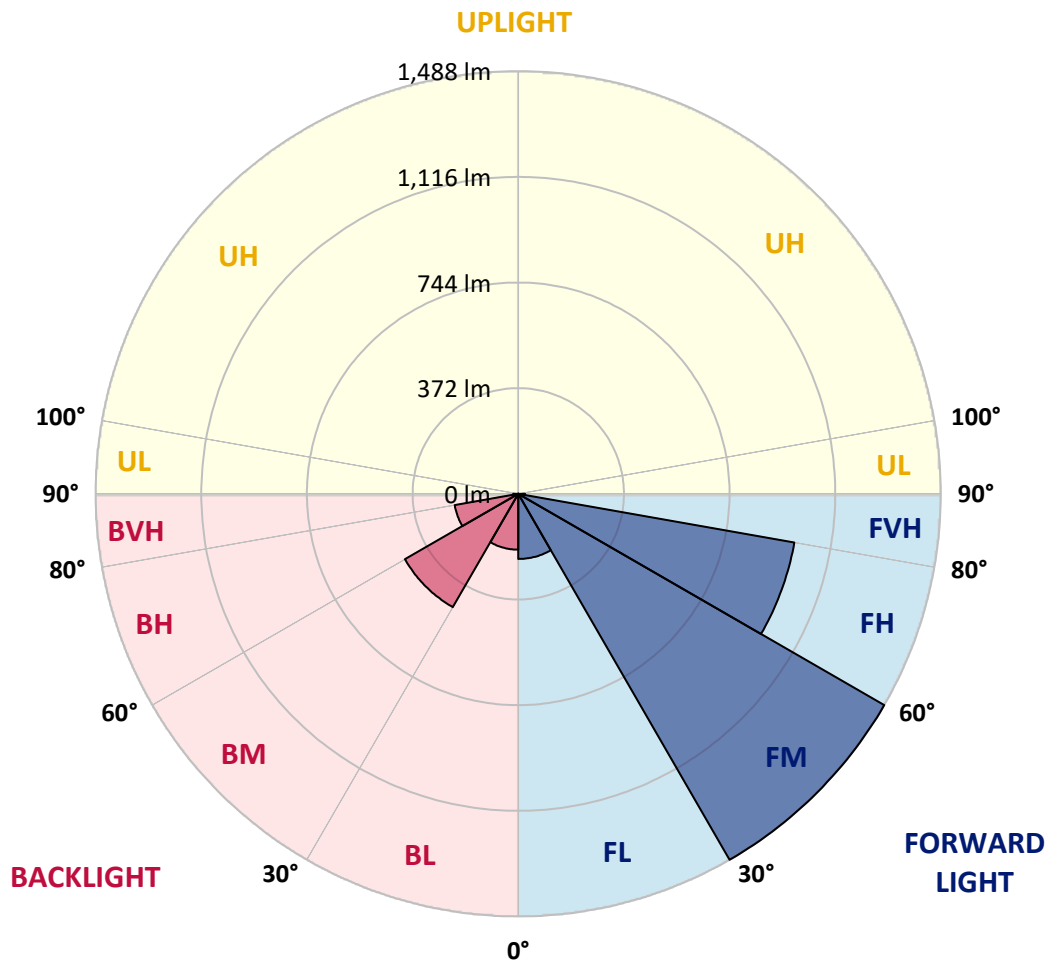
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.4	6.3			
FM (30°-60°)	1487.5	41.0			
FH (60°-80°)	986.7	27.2			G1/1800
FVH (80°-90°)	23.8	0.7			G1/100
BL (0°-30°)	196.6	5.4	B1/500		
BM (30°-60°)	460.7	12.7	B1/1000		
BH (60°-80°)	227.1	6.3	B1/500		G1/500
BVH (80°-90°)	18.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6
2.5°	398.4	400.7	400.1	399.2	399.0	399.4	399.9	400.5	400.3	401.3
5°	397.3	399.6	399.4	399.4	400.1	401.7	402.6	403.6	402.6	403.8
7.5°	398.0	399.8	400.5	401.3	403.2	406.0	408.3	410.4	409.3	410.6
10°	407.8	409.1	409.9	409.9	411.2	414.4	416.7	420.5	419.6	421.7
12.5°	425.5	426.8	426.8	426.1	427.0	429.1	429.9	434.1	432.4	435.8
15°	447.2	449.9	447.8	446.5	446.9	449.0	448.8	452.0	450.3	453.2
17.5°	471.3	474.7	471.3	471.1	470.3	472.6	472.8	475.7	472.6	474.7
20°	499.7	504.5	501.6	502.6	500.8	501.8	502.7	506.9	502.2	503.7
22.5°	539.7	545.5	542.4	546.0	544.9	544.1	543.9	551.4	543.9	544.5
25°	598.1	605.0	599.6	604.6	604.6	607.1	609.9	619.5	607.1	603.4
27.5°	684.3	691.2	680.7	683.7	682.8	688.9	685.8	709.5	696.1	690.2
30°	788.1	800.3	780.4	779.7	778.7	788.4	792.8	808.5	794.9	789.0
32.5°	900.2	913.0	889.3	882.5	878.8	884.8	881.1	893.7	884.4	875.2
35°	1018.8	1031.4	1008.9	995.6	981.1	968.7	955.7	959.0	950.2	936.3
37.5°	1131.0	1154.1	1130.2	1115.9	1089.2	1065.0	1028.8	1013.7	1005.5	992.7
40°	1245.2	1258.4	1240.3	1228.1	1199.1	1161.1	1103.1	1071.3	1060.2	1047.8
42.5°	1329.3	1341.9	1332.2	1323.8	1301.1	1257.1	1182.1	1142.2	1126.2	1112.3
45°	1396.1	1405.4	1399.3	1402.4	1392.7	1349.9	1263.9	1218.3	1201.7	1184.8
47.5°	1423.0	1432.9	1442.6	1460.7	1477.3	1445.9	1351.8	1300.7	1283.2	1265.8
50°	1419.9	1430.0	1458.3	1496.8	1548.3	1537.8	1444.5	1388.5	1372.2	1352.4
52.5°	1395.5	1407.0	1443.2	1507.3	1589.3	1606.6	1538.9	1479.1	1463.8	1440.1
55°	1331.4	1338.3	1392.7	1483.4	1599.0	1654.7	1631.4	1575.6	1560.3	1527.3
57.5°	1212.6	1222.5	1301.7	1419.2	1574.6	1687.3	1712.7	1677.0	1662.3	1614.8
60°	1057.6	1073.4	1164.0	1311.2	1512.4	1687.1	1786.5	1776.8	1764.6	1701.1
62.5°	882.1	900.4	987.6	1158.6	1403.7	1639.3	1832.7	1860.3	1854.0	1780.6
65°	677.4	690.0	776.8	961.2	1234.5	1536.5	1838.0	1917.3	1918.5	1841.0
67.5°	451.1	487.3	562.6	721.3	1008.0	1368.4	1791.1	1926.7	1937.7	1861.8
70°	220.1	267.8	341.6	468.8	721.3	1110.8	1668.4	1850.0	1874.6	1801.2
72.5°	91.4	106.8	147.0	231.3	414.1	749.5	1422.0	1642.1	1687.7	1596.0
75°	61.6	66.8	84.1	118.6	188.6	369.6	1025.5	1224.4	1297.9	1205.4
77.5°	47.5	50.7	61.2	83.0	112.1	139.8	548.9	737.9	775.9	718.3
80°	37.4	39.9	45.8	60.5	79.5	74.8	187.1	334.3	356.3	298.9
82.5°	32.4	33.4	32.8	41.0	52.8	43.7	61.4	123.4	136.2	98.8
85°	23.5	26.1	27.3	25.4	28.0	22.1	25.2	43.7	48.1	42.9
87.5°	9.5	14.1	17.4	16.4	10.3	6.3	7.8	12.8	14.7	16.0
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°
402.6	0°	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6	402.6
402.8	2.5°	403.0	404.3	405.3	406.4	407.2	408.3	410.6	412.0	412.2	413.1
405.9	5°	406.6	408.5	410.6	413.7	417.1	420.0	424.4	427.4	428.6	429.5
413.3	7.5°	414.4	417.1	420.9	426.3	431.2	435.0	440.4	444.0	447.6	449.0
425.1	10°	426.1	429.9	435.4	442.7	448.0	453.0	458.5	461.5	465.2	466.7
439.2	12.5°	440.6	444.6	451.8	461.9	466.9	470.3	472.2	471.5	472.2	473.6
456.2	15°	457.2	461.5	469.7	480.6	484.1	481.0	476.8	473.0	472.4	472.8
476.8	17.5°	476.8	480.0	489.6	498.7	496.3	483.7	474.5	468.4	465.4	464.4
503.1	20°	504.3	504.3	512.1	517.8	501.2	479.9	465.6	455.6	449.3	446.7
539.0	22.5°	537.6	534.6	539.6	535.5	500.3	469.2	449.3	432.2	422.6	418.8
589.1	25°	580.0	576.4	575.0	550.2	493.4	452.2	420.0	399.2	390.8	388.7
661.4	27.5°	643.9	634.7	617.4	558.2	480.8	425.5	385.6	366.4	361.6	361.8
754.3	30°	728.9	710.6	668.1	559.6	460.2	387.7	350.5	336.8	334.5	335.5
832.3	32.5°	807.7	790.4	720.0	553.5	428.6	350.7	319.1	309.9	306.5	307.6
891.8	35°	869.5	864.7	768.0	544.9	389.6	316.0	290.9	283.0	276.4	274.8
947.9	37.5°	927.9	926.0	804.1	532.9	351.1	291.4	268.2	257.9	248.1	242.8
1009.9	40°	991.9	990.0	827.7	514.4	317.0	270.1	247.7	234.2	222.2	212.5
1080.1	42.5°	1064.0	1052.8	839.0	487.9	288.0	251.9	231.2	212.8	197.0	188.1
1159.4	45°	1142.8	1117.4	838.8	454.1	263.6	235.4	213.4	187.5	172.8	164.4
1240.8	47.5°	1226.3	1179.2	828.5	416.7	239.9	217.0	186.0	166.1	156.4	151.2
1329.3	50°	1312.6	1237.0	811.0	373.8	215.7	196.3	168.8	155.2	147.8	143.0
1417.1	52.5°	1393.6	1289.5	789.8	325.2	191.1	176.0	161.2	150.7	142.9	137.5
1502.1	55°	1468.9	1334.7	759.8	275.4	171.1	162.5	157.5	148.8	139.8	133.5
1588.5	57.5°	1535.9	1364.0	708.2	228.7	156.8	153.2	153.7	145.5	135.2	129.9
1673.6	60°	1591.6	1385.6	631.7	185.4	145.1	144.0	147.8	139.4	127.4	121.3
1745.5	62.5°	1625.0	1385.2	537.8	151.8	135.2	135.6	140.0	131.8	119.6	113.9
1783.1	65°	1622.1	1351.3	434.8	129.9	125.7	126.1	131.8	123.4	113.1	109.7
1764.2	67.5°	1564.7	1268.5	333.6	115.6	115.2	116.9	123.6	117.7	109.1	108.7
1651.7	70°	1409.2	1096.7	240.3	104.1	104.3	106.8	115.6	114.1	107.0	107.8
1388.6	72.5°	1130.0	836.1	161.4	92.1	92.3	96.3	107.9	111.2	104.9	115.0
985.3	75°	752.6	521.4	103.8	79.3	79.5	84.7	101.3	105.7	99.2	114.6
512.7	77.5°	361.6	234.4	75.1	66.8	66.8	71.5	87.5	94.6	84.5	89.1
164.8	80°	124.9	88.1	59.1	53.8	52.6	55.9	73.8	82.0	72.9	67.1
53.8	82.5°	49.2	45.8	47.5	41.8	38.0	40.1	57.4	67.7	53.6	48.4
30.3	85°	28.2	29.8	33.6	27.7	21.9	24.6	42.1	48.6	40.4	35.7
9.9	87.5°	7.6	10.5	15.4	14.3	9.9	10.5	20.0	26.9	23.3	17.9
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/>
402.6
412.9
429.3
449.2
467.5
473.9
474.1
465.7
446.1
418.3
389.1
362.4
338.7
309.2
276.0
243.0
213.4
188.6
164.0
150.1
141.3
135.2
131.0
126.4
118.6
112.1
109.5
109.3
107.6
116.5
115.6
81.6
62.9
48.3
36.4
18.5
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