

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: P852150

Luminaire Tested: **GLAN-SB1D-722-U-T4FT-HSS**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-722-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6027 lumens
Efficiency: N/A
Efficacy: 75.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

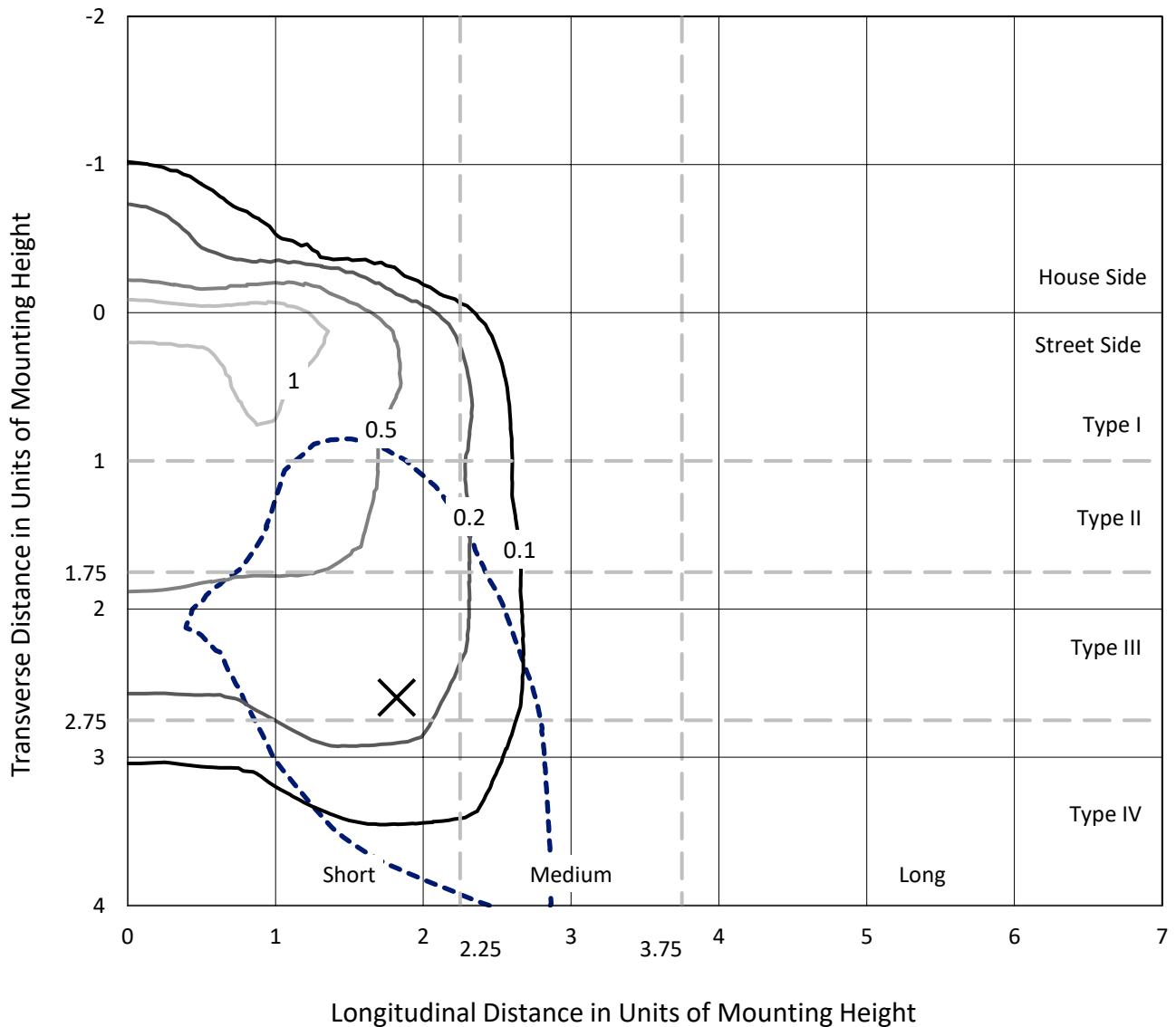
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

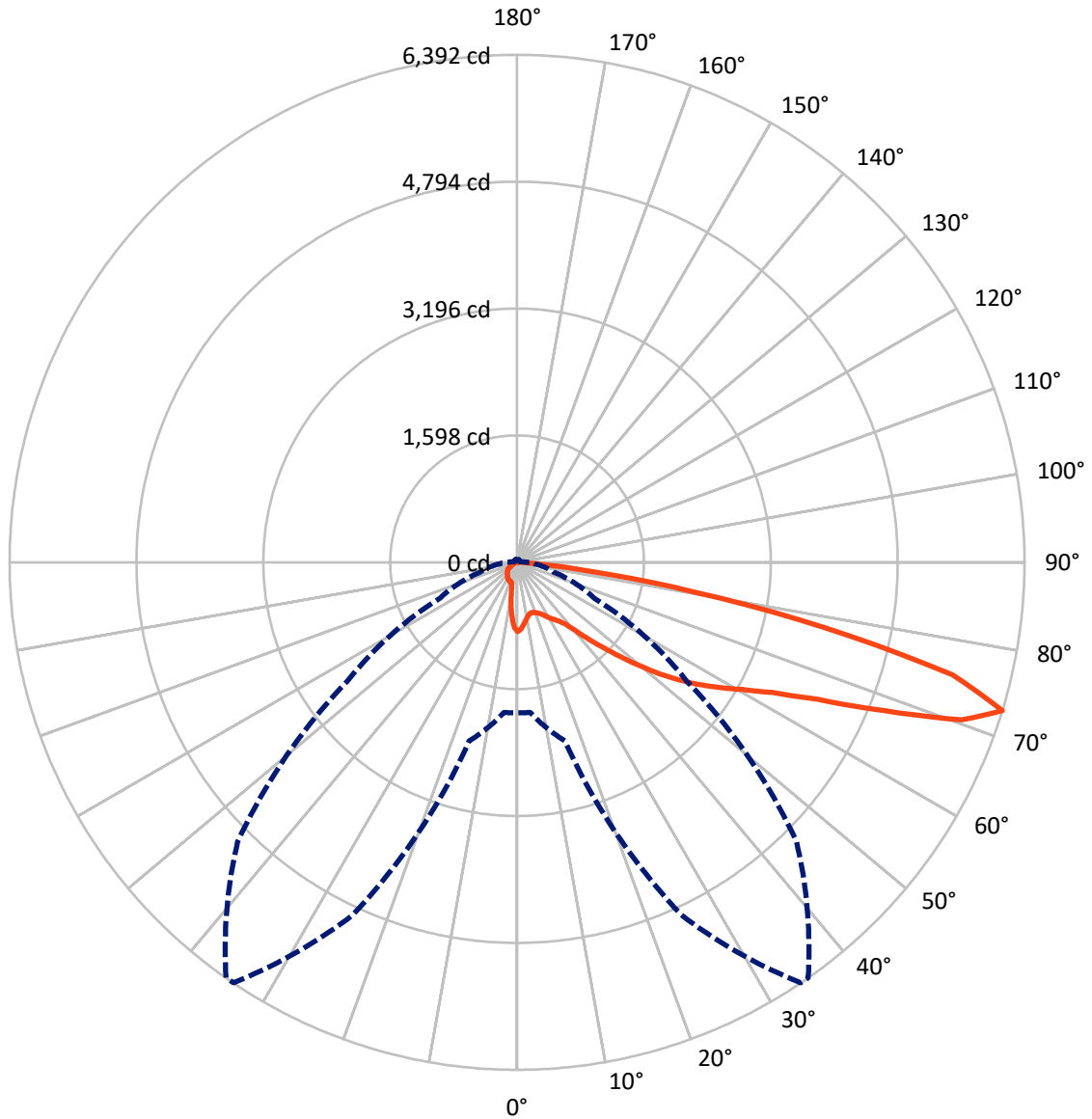
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	678.3	0.0	678.3
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	5348.7	0.0	5348.7
	% Fixture	88.7	0.0	88.7
Total	Lumens	6027.0	0.0	6027.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.8	1.2
10°-20°	167.9	2.8
20°-30°	272.8	4.5
30°-40°	455.1	7.6
40°-50°	861.1	14.3
50°-60°	1368.3	22.7
60°-70°	1692.7	28.1
70°-80°	1052.2	17.5
80°-90°	85.0	1.4
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°	6027.0	100.0
0°-180°	6027.0	100.0

Coefficient of Utilization



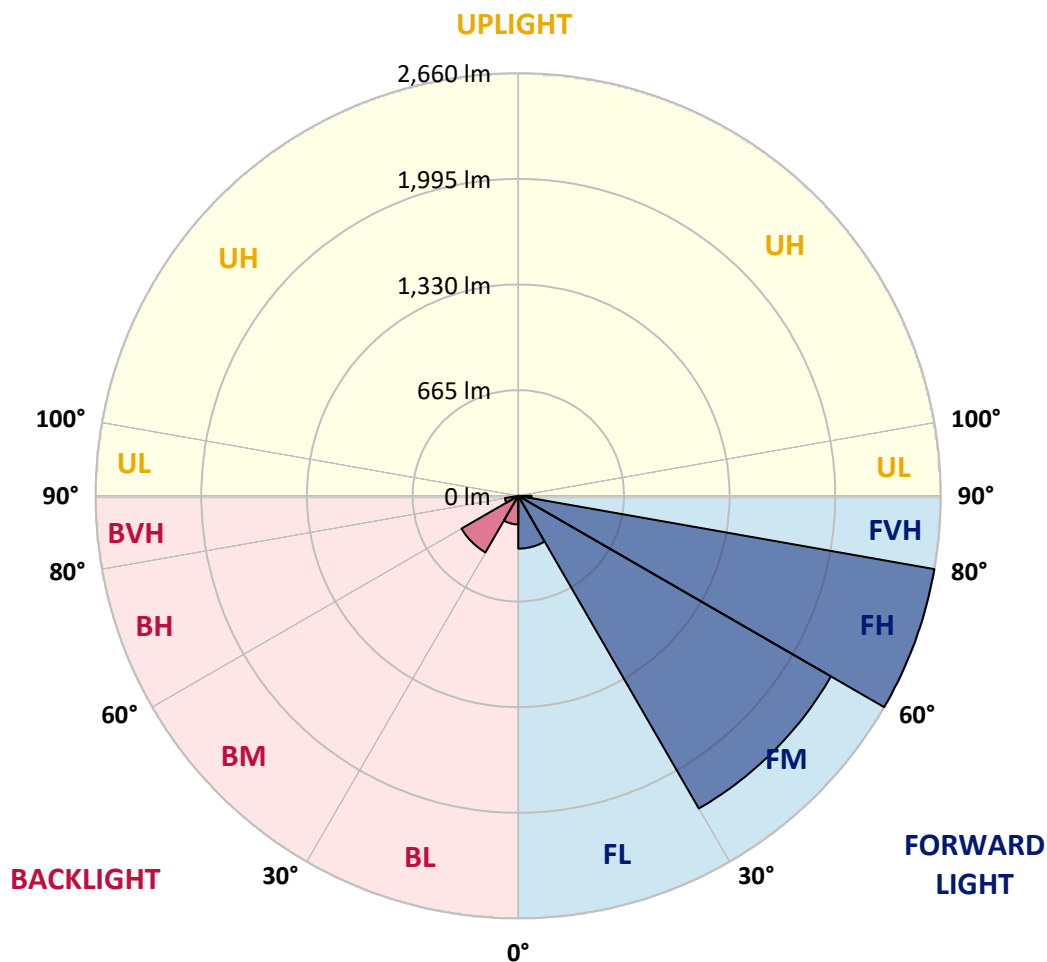
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	332.2	5.5			
FM	(30°-60°)	2272.8	37.7			
FH	(60°-80°)	2659.8	44.1			G2/5000
FVH	(80°-90°)	83.9	1.4			G1/100
BL	(0°-30°)	180.2	3.0	B1/500		
BM	(30°-60°)	411.8	6.8	B1/1000		
BH	(60°-80°)	85.1	1.4	B0/110		G0/110
BVH	(80°-90°)	1.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°
0°	873.5	873.5	873.5	873.5	873.5	873.5	873.5	873.5	873.5	873.5
2.5°	834.7	841.7	843.0	845.3	845.3	847.9	852.3	858.5	868.7	874.0
5°	769.3	774.6	781.2	786.5	796.7	798.0	815.2	832.0	855.4	873.1
7.5°	703.5	709.7	718.5	731.3	744.6	748.5	774.6	802.9	840.0	873.1
10°	657.1	657.6	665.5	678.3	699.5	704.4	736.2	776.4	822.7	867.8
12.5°	631.1	634.2	637.7	647.4	667.7	670.8	704.8	752.1	805.5	864.7
15°	631.1	633.3	635.5	640.3	656.7	659.3	689.4	736.6	796.7	866.0
17.5°	637.7	641.2	639.5	645.2	662.4	664.2	690.7	732.2	796.2	874.4
20°	653.6	656.2	652.7	656.2	673.5	677.0	704.4	740.6	803.7	889.0
22.5°	678.8	680.1	671.7	674.3	692.0	696.4	728.2	764.4	821.8	912.4
25°	710.6	713.2	700.4	703.5	720.3	725.6	762.2	800.2	850.6	944.6
27.5°	747.2	748.5	737.5	737.1	758.7	766.2	803.3	844.4	889.0	985.2
30°	789.2	793.1	782.5	780.8	808.2	814.3	851.0	898.7	945.5	1046.2
32.5°	822.3	825.4	819.2	823.6	851.4	856.3	908.8	975.5	1034.3	1132.7
35°	870.0	871.7	857.6	865.6	897.4	909.7	987.9	1083.3	1146.0	1241.4
37.5°	1042.7	1042.7	982.6	943.3	973.8	984.8	1096.1	1218.9	1283.8	1387.1
40°	1281.6	1277.6	1189.7	1109.3	1105.4	1127.0	1250.2	1389.8	1461.7	1562.0
42.5°	1536.4	1530.2	1410.5	1331.0	1317.8	1325.3	1428.2	1600.4	1673.7	1775.3
45°	1762.5	1760.7	1651.2	1544.3	1520.5	1544.3	1650.3	1846.8	1899.4	2006.3
47.5°	1951.9	1951.9	1872.0	1802.2	1789.9	1804.0	1951.1	2120.2	2115.3	2252.2
50°	2170.1	2168.3	2092.4	2062.3	2075.1	2095.0	2297.3	2408.1	2338.8	2493.8
52.5°	2322.9	2333.5	2307.4	2302.6	2367.9	2402.4	2648.8	2689.9	2538.8	2723.0
55°	2443.9	2456.3	2486.3	2520.3	2646.2	2691.2	2989.3	2957.1	2706.2	2921.7
57.5°	2615.2	2597.6	2643.9	2711.1	2914.7	2969.0	3319.2	3209.2	2840.9	3082.9
60°	2823.2	2825.9	2833.8	2918.6	3182.7	3252.5	3644.2	3447.7	2927.5	3181.8
62.5°	3073.2	3077.2	3093.5	3223.8	3542.6	3608.4	3990.4	3642.9	2967.2	3154.0
65°	3056.0	3072.8	3255.1	3700.7	4089.8	4154.7	4394.5	3779.8	2907.2	2899.6
67.5°	2783.9	2811.3	3116.5	4270.4	4914.7	4987.2	4882.9	3806.7	2647.9	2254.9
70°	2427.1	2436.8	2803.8	4782.7	5869.9	5943.3	5320.1	3510.4	2009.3	1257.7
72.5°	1895.4	1897.6	2328.2	4901.5	6388.4	6392.4	4977.0	2606.0	1080.6	483.1
75°	1354.0	1340.7	1559.3	3975.0	5620.4	5665.5	3731.2	1222.4	412.9	228.3
77.5°	726.0	740.6	882.3	2357.3	3882.7	3959.5	2035.8	352.4	210.2	155.4
80°	224.3	236.7	361.7	1079.3	2199.2	2245.6	754.7	156.8	146.6	110.8
82.5°	70.7	73.3	168.7	453.5	912.8	934.0	218.6	88.8	100.2	73.3
85°	20.3	20.8	75.1	169.1	225.7	230.1	61.4	34.4	57.4	45.5
87.5°	2.2	7.1	28.3	28.3	19.9	19.4	6.6	7.5	16.3	5.7
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°
873.5	0°	873.5	873.5	873.5	873.5	873.5	873.5	873.5	873.5	873.5	873.5
877.5	2.5°	875.3	875.7	870.0	860.3	849.7	840.8	829.8	821.0	814.8	813.0
885.4	5°	881.5	878.4	862.0	832.4	797.1	766.6	732.6	705.7	688.0	680.5
893.8	7.5°	890.7	881.9	846.1	787.8	720.3	660.2	599.3	552.0	522.0	507.0
901.8	10°	898.7	881.0	819.6	723.4	620.0	529.1	446.9	389.9	358.1	343.1
911.1	12.5°	906.2	880.6	785.2	647.0	507.0	395.7	319.3	291.0	282.2	279.1
926.1	15°	920.3	881.9	741.9	559.5	394.4	299.0	271.2	270.7	272.5	271.6
949.0	17.5°	939.8	883.2	692.9	466.8	304.3	263.6	262.3	266.3	268.9	267.6
977.7	20°	964.9	888.5	640.8	374.9	261.4	254.8	257.9	261.4	263.6	261.4
1016.2	22.5°	1000.3	897.8	583.8	301.2	247.7	249.5	252.2	256.1	258.3	255.3
1065.2	25°	1043.5	912.4	527.7	261.9	241.1	243.3	247.3	251.7	254.4	251.3
1127.0	27.5°	1099.6	935.8	476.1	253.0	234.5	235.8	241.6	248.2	251.7	247.7
1214.9	30°	1180.9	974.2	431.5	257.0	230.5	227.4	235.4	244.7	248.6	245.1
1334.6	32.5°	1288.6	1028.5	404.1	263.2	228.8	217.7	225.2	237.1	243.8	241.6
1490.9	35°	1429.9	1111.1	393.5	270.3	227.4	207.6	212.9	225.7	237.1	239.4
1687.9	37.5°	1601.3	1225.9	396.6	273.4	223.5	199.2	201.8	212.9	227.9	234.9
1909.5	40°	1796.0	1359.7	414.2	270.3	219.0	192.1	192.5	200.9	214.2	224.8
2148.0	42.5°	1997.0	1516.1	446.9	258.8	215.1	185.9	184.6	190.3	199.2	206.7
2386.0	45°	2188.2	1676.8	479.2	242.9	210.2	179.7	176.6	178.9	180.6	183.7
2617.9	47.5°	2355.1	1789.9	469.9	228.3	203.6	172.7	167.4	166.5	161.2	160.7
2825.0	50°	2470.4	1814.6	417.3	213.7	193.9	164.7	156.3	151.0	141.8	137.3
2980.0	52.5°	2507.0	1717.0	340.9	199.2	178.0	154.1	142.2	133.8	122.3	118.4
3069.2	55°	2458.5	1525.8	272.5	181.5	155.9	140.0	126.7	115.7	106.4	101.6
3078.9	57.5°	2339.7	1282.4	215.5	160.7	132.5	124.1	110.8	99.8	91.9	87.0
2971.2	60°	2142.7	1018.4	170.5	136.0	113.1	106.9	93.2	86.1	79.0	73.3
2693.0	62.5°	1843.7	726.9	133.8	107.8	94.5	87.4	79.5	74.2	65.8	57.9
2192.6	65°	1438.8	444.7	103.3	79.0	76.0	72.4	67.6	62.7	52.6	44.6
1430.4	67.5°	907.5	210.7	73.7	59.6	60.1	58.3	56.1	52.1	44.6	37.5
640.8	70°	399.7	102.0	48.6	45.5	44.6	44.6	46.4	45.0	38.0	31.4
222.6	72.5°	136.0	54.8	36.2	34.4	32.2	31.8	38.9	37.5	30.5	24.3
110.8	75°	71.1	36.7	26.5	24.7	19.4	23.4	30.9	29.1	21.6	15.9
73.3	77.5°	46.4	26.1	18.1	15.9	11.0	15.5	23.0	20.3	12.8	7.9
48.1	80°	29.1	17.2	10.6	7.5	5.3	8.4	12.4	8.8	4.9	1.8
28.3	82.5°	15.5	8.8	4.0	2.6	2.2	2.6	3.1	2.2	0.9	0.0
14.6	85°	6.2	3.1	1.3	0.9	0.4	0.0	0.9	0.4	0.0	0.0
2.6	87.5°	2.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°
873.5
816.1
683.2
509.2
343.6
278.2
271.2
267.2
261.0
254.8
250.8
247.7
244.7
241.6
239.4
236.7
228.3
209.8
185.5
160.3
137.8
117.9
101.6
86.1
72.0
56.5
43.3
36.7
30.0
23.0
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