

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: P852177

Luminaire Tested: **GLAN-SB1D-930-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852177
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-930-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 3000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6788 lumens
Efficiency: N/A
Efficacy: 85.3 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

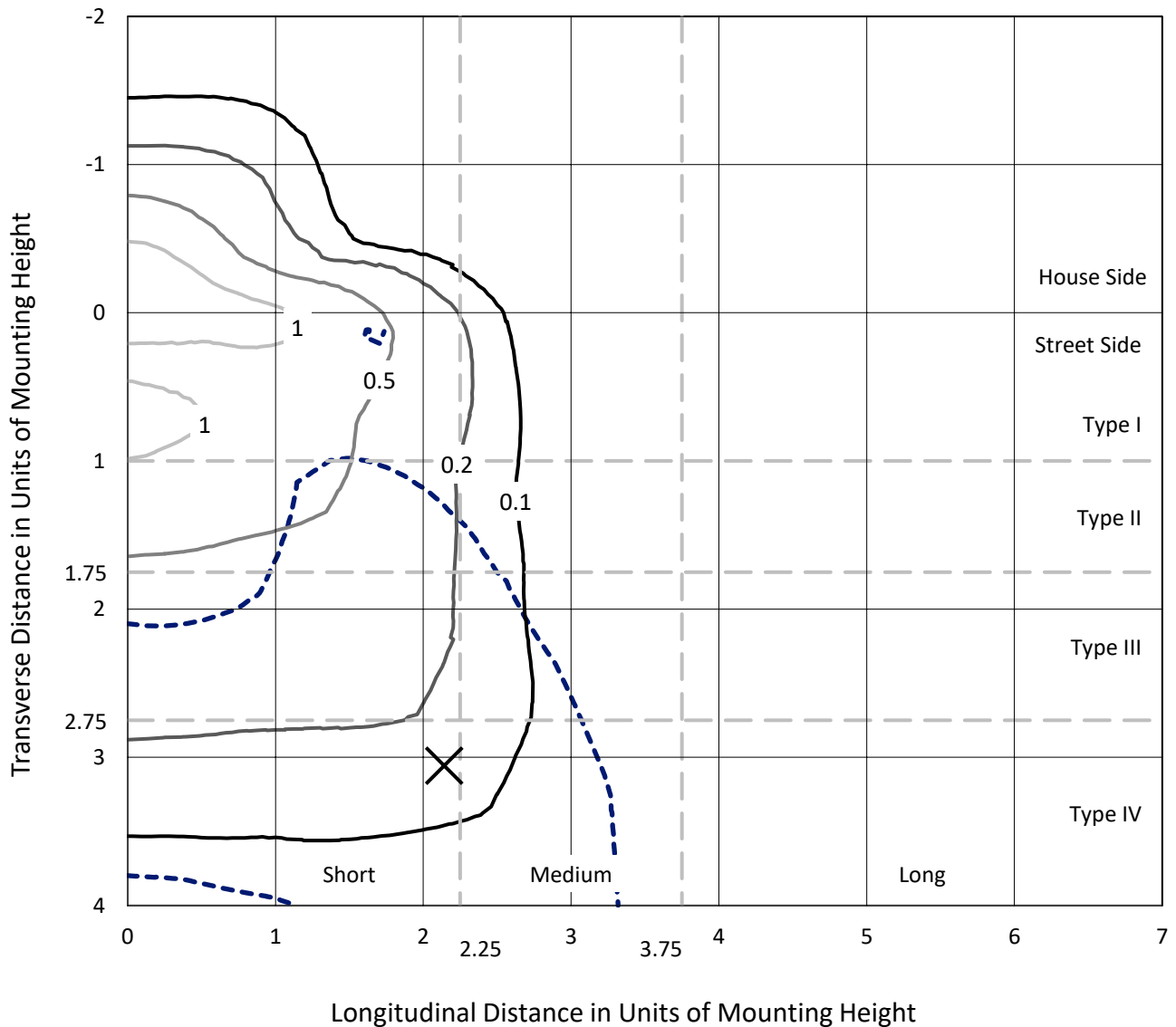
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

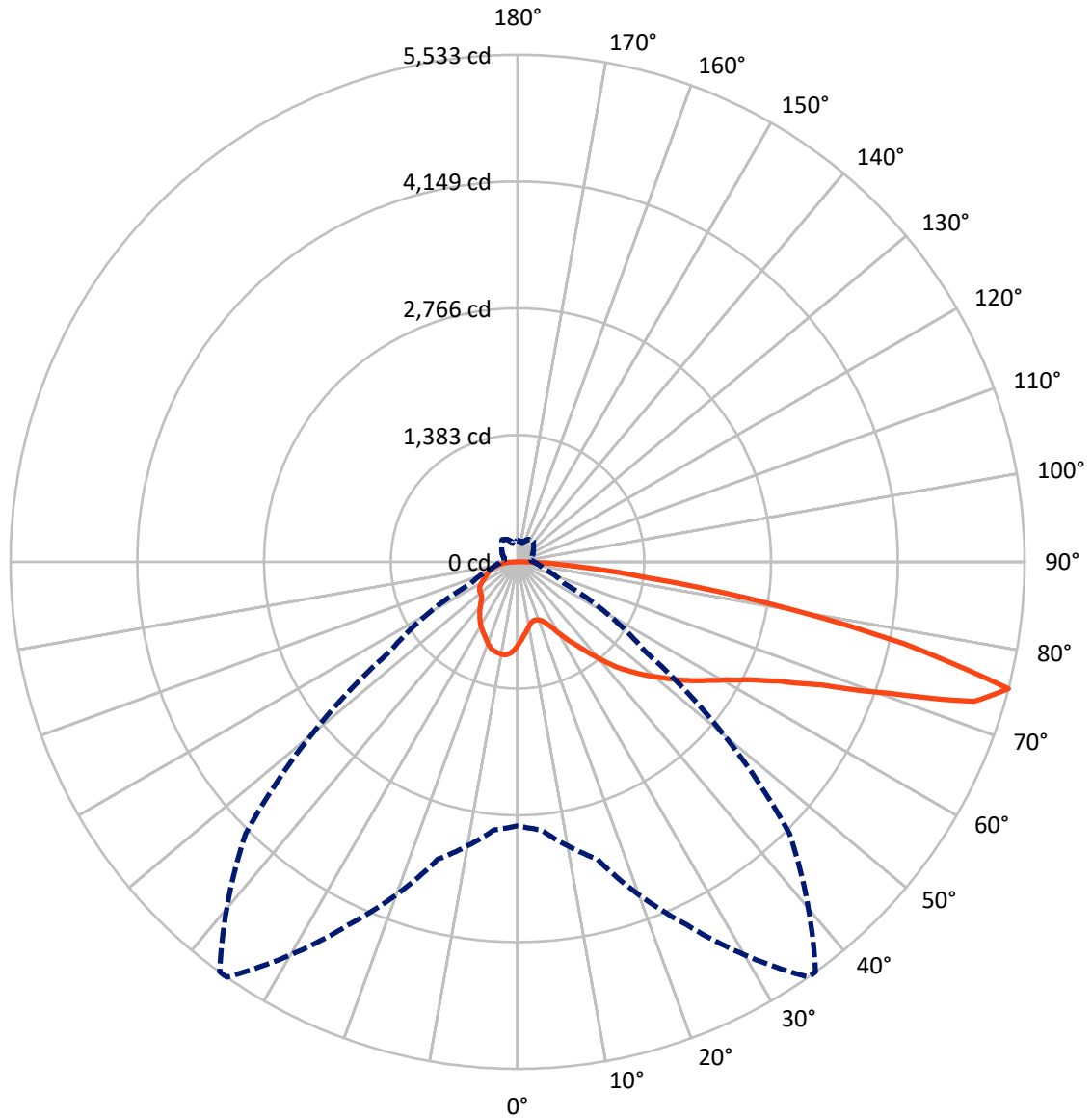
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1615.4	0.0	1615.4
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	5172.6	0.0	5172.6
	% Fixture	76.2	0.0	76.2
Total	Lumens	6788.0	0.0	6788.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.6	1.3
10°-20°	247.0	3.6
20°-30°	414.8	6.1
30°-40°	644.7	9.5
40°-50°	956.9	14.1
50°-60°	1321.1	19.5
60°-70°	1602.8	23.6
70°-80°	1324.6	19.5
80°-90°	190.5	2.8
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°	6788.0	100.0
0°-180°	6788.0	100.0

Coefficient of Utilization



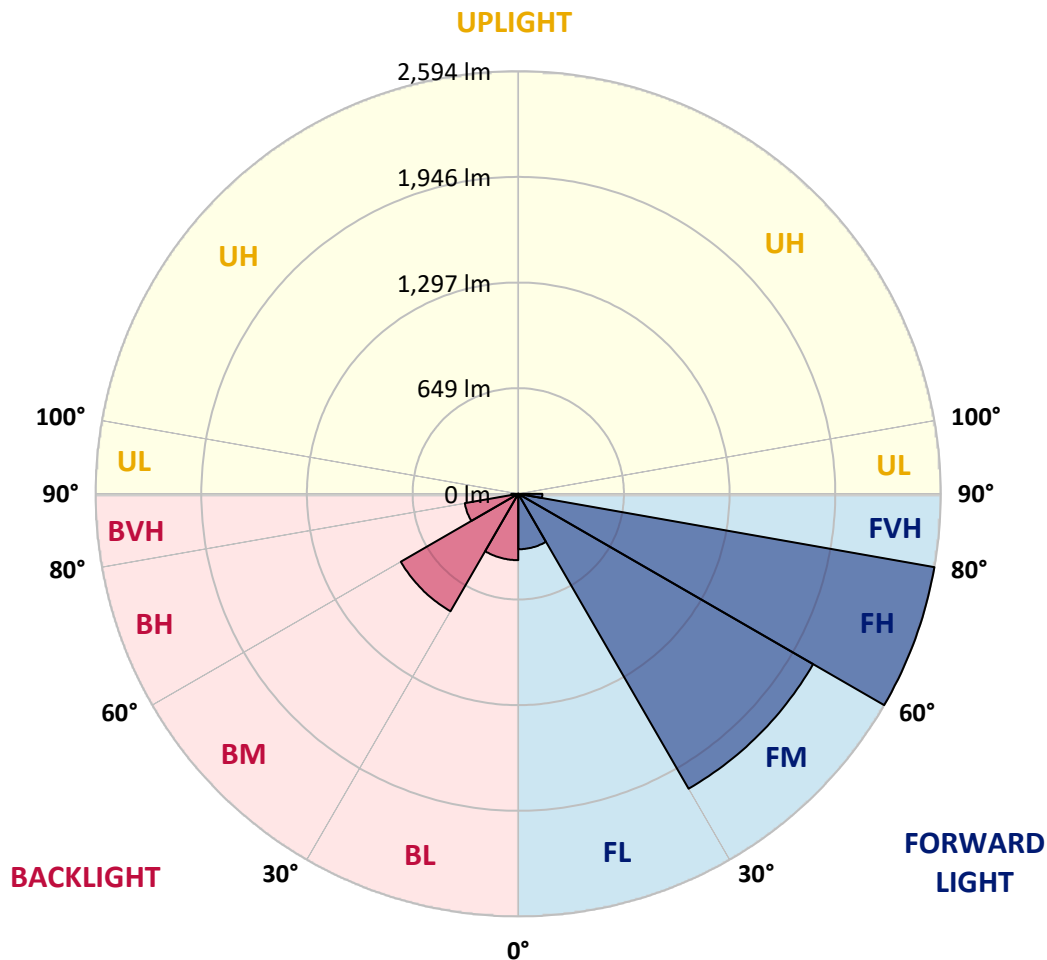
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	340.4	5.0			
FM (30°-60°)	2090.3	30.8			
FH (60°-80°)	2594.3	38.2			G2/5000
FVH (80°-90°)	147.6	2.2			G2/225
BL (0°-30°)	407.1	6.0	B1/500		
BM (30°-60°)	832.3	12.3	B1/1000		
BH (60°-80°)	333.0	4.9	B1/500		G1/500
BVH (80°-90°)	42.9	0.6			G1/100
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°	35°	36°	45°	55°	65°	75°
0°	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5
2.5°	834.1	839.2	841.4	840.3	845.8	845.1	852.8	862.3	875.6	888.4
5°	769.9	775.4	780.1	784.6	795.2	798.5	810.6	829.0	853.2	877.8
7.5°	710.1	714.8	722.2	730.2	748.2	751.5	771.7	800.3	834.1	870.1
10°	661.3	666.0	673.7	682.9	705.3	709.3	735.0	773.2	817.2	862.7
12.5°	640.3	641.8	646.2	655.4	674.8	677.4	705.7	749.3	800.7	857.2
15°	639.2	642.2	642.5	647.3	663.5	664.6	690.6	733.9	790.4	856.1
17.5°	650.2	652.4	649.1	652.1	665.7	667.5	688.0	726.6	787.1	860.9
20°	679.6	681.4	671.5	667.5	677.4	678.9	699.1	731.3	790.4	870.8
22.5°	742.0	743.1	718.9	702.4	703.1	703.8	721.4	750.8	803.3	888.8
25°	839.2	838.5	800.0	768.0	749.7	745.7	757.4	782.4	824.9	912.6
27.5°	953.0	947.5	909.0	861.2	821.2	815.4	812.8	823.4	855.7	944.2
30°	1081.4	1076.3	1034.8	972.4	917.0	907.5	883.3	877.8	901.6	987.1
32.5°	1222.3	1219.0	1169.5	1093.9	1019.8	1008.8	968.0	953.4	972.1	1052.1
35°	1340.5	1337.6	1296.5	1218.7	1128.0	1114.4	1073.0	1056.5	1066.0	1135.4
37.5°	1447.3	1445.8	1410.6	1349.3	1255.7	1239.2	1192.6	1187.1	1185.3	1245.1
40°	1546.4	1542.7	1506.0	1473.7	1404.3	1389.3	1348.2	1343.4	1329.5	1380.1
42.5°	1656.1	1646.5	1593.3	1578.3	1559.6	1547.1	1522.5	1523.2	1492.4	1532.4
45°	1745.6	1740.1	1685.4	1676.6	1696.8	1691.7	1713.0	1718.5	1658.6	1692.0
47.5°	1841.8	1836.6	1790.4	1784.1	1838.8	1840.3	1915.5	1917.3	1820.8	1857.9
50°	1960.3	1952.9	1907.1	1914.8	1976.1	1981.6	2119.2	2106.7	1970.2	2026.3
52.5°	2038.4	2042.8	2032.9	2045.4	2129.1	2134.2	2319.5	2287.6	2118.1	2192.6
55°	2096.1	2104.9	2135.7	2164.3	2290.5	2295.7	2508.5	2459.7	2240.6	2346.7
57.5°	2170.2	2157.7	2215.3	2271.1	2443.9	2457.5	2692.4	2625.6	2349.3	2479.5
60°	2276.6	2267.8	2312.6	2395.1	2615.7	2637.3	2886.8	2774.9	2428.9	2584.8
62.5°	2492.4	2470.3	2477.3	2550.3	2832.2	2860.8	3106.3	2905.2	2468.5	2625.9
65°	2814.9	2777.1	2741.9	2792.5	3137.1	3165.4	3354.0	3007.6	2453.8	2546.3
67.5°	3221.1	3183.7	3140.4	3188.1	3586.3	3608.6	3659.7	3065.2	2338.2	2239.5
70°	3556.2	3542.2	3594.0	3790.3	4303.7	4304.4	4051.6	3017.5	2021.6	1587.8
72.5°	3511.8	3503.3	3776.0	4382.9	5207.8	5188.4	4422.6	2656.4	1361.8	716.3
75°	2881.0	2935.6	3358.0	4372.3	5532.6	5530.0	4195.4	1688.7	563.3	296.9
77.5°	1544.9	1631.5	2180.1	3228.1	4319.1	4384.0	2949.6	590.8	241.8	190.1
80°	503.8	579.4	869.0	1643.6	2806.5	2794.4	1264.2	231.9	165.5	134.7
82.5°	213.9	222.7	388.2	776.1	1440.3	1417.9	402.6	133.2	116.3	92.1
85°	83.7	93.6	171.4	358.9	623.8	610.2	145.3	66.1	74.5	60.2
87.5°	27.5	33.4	61.3	122.9	194.1	187.1	35.6	22.8	32.3	27.5
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°
904.5	0°	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5	904.5
907.1	2.5°	912.3	918.1	925.1	935.4	944.2	951.5	959.2	964.0	965.8	971.3
908.6	5°	918.9	931.7	948.9	965.8	982.3	992.2	1001.1	1005.5	1009.5	1012.4
912.6	7.5°	929.9	946.4	973.5	995.6	1009.5	1017.6	1023.4	1022.0	1023.4	1024.2
917.0	10°	939.4	962.5	994.8	1015.7	1026.4	1026.7	1025.3	1020.1	1017.6	1017.9
923.6	12.5°	950.8	976.5	1011.3	1028.9	1031.9	1023.8	1017.6	1008.8	1005.5	1004.0
933.5	15°	966.2	995.6	1029.3	1035.9	1028.6	1018.3	1007.7	993.4	986.0	980.1
950.4	17.5°	984.9	1017.2	1043.3	1038.5	1022.7	1005.8	988.6	966.9	951.9	945.6
973.5	20°	1011.0	1040.0	1053.9	1033.0	1009.1	983.4	954.1	927.7	913.7	907.5
1002.9	22.5°	1042.5	1070.4	1064.2	1023.4	989.7	948.6	911.9	892.4	885.5	881.1
1040.7	25°	1080.3	1104.2	1071.5	1009.5	957.8	902.3	874.1	867.9	864.5	861.2
1086.9	27.5°	1129.5	1142.3	1077.0	988.9	907.8	853.2	842.9	844.0	842.9	837.4
1151.1	30°	1194.4	1191.9	1082.2	955.6	850.6	808.8	809.5	814.3	815.0	811.3
1240.7	32.5°	1279.9	1253.9	1084.7	912.3	795.9	769.9	770.6	775.7	779.4	773.2
1357.7	35°	1383.4	1326.2	1080.7	857.9	753.7	732.8	727.3	728.8	729.9	724.0
1499.7	37.5°	1504.2	1407.3	1062.7	797.8	718.9	696.5	684.7	674.8	669.0	663.5
1660.5	40°	1636.6	1495.7	1029.7	739.0	680.0	658.0	640.3	621.6	601.8	594.5
1830.7	42.5°	1775.3	1586.7	989.7	682.9	635.2	617.2	598.5	571.4	541.6	526.6
2007.6	45°	1919.2	1679.9	950.4	627.5	589.3	581.6	560.0	527.3	495.0	475.9
2184.9	47.5°	2060.1	1768.0	892.8	571.7	546.4	554.8	538.0	507.9	471.9	441.8
2360.6	50°	2194.8	1850.6	798.5	515.2	511.5	546.8	530.6	487.3	446.2	407.7
2533.1	52.5°	2328.3	1917.3	677.8	463.8	492.8	544.6	521.1	473.4	423.1	382.7
2695.3	55°	2441.7	1951.8	561.4	419.8	465.7	525.8	509.7	456.9	390.4	347.5
2806.5	57.5°	2506.3	1924.0	464.6	376.5	428.2	495.0	490.3	421.6	351.5	318.5
2828.1	60°	2478.4	1810.9	385.3	338.7	392.6	461.6	456.5	386.8	321.8	290.6
2712.2	62.5°	2324.7	1595.5	322.6	305.7	360.4	427.5	422.7	360.0	299.1	269.0
2404.3	65°	2015.0	1297.9	273.7	278.2	327.7	386.4	393.4	337.6	281.1	251.7
1860.1	67.5°	1536.8	940.1	235.6	254.3	295.8	346.0	366.2	321.5	266.0	238.2
1076.3	70°	875.9	533.9	203.3	231.2	267.5	308.6	345.3	308.6	249.9	226.8
403.3	72.5°	332.1	245.1	175.8	208.1	240.4	277.1	322.2	288.4	231.2	213.9
208.4	75°	177.2	149.4	147.9	180.9	209.2	246.2	293.2	268.6	217.2	226.0
144.2	77.5°	120.7	105.7	123.7	154.9	175.0	212.1	262.4	238.5	188.2	187.5
99.8	80°	83.7	74.9	100.5	124.8	135.4	178.3	229.0	204.8	153.4	143.1
61.6	82.5°	50.3	48.8	75.2	93.2	95.8	137.6	189.7	171.7	125.5	109.4
36.7	85°	27.5	29.0	48.1	54.7	55.8	96.1	148.6	132.8	96.5	81.1
13.2	87.5°	7.7	9.9	17.6	21.7	26.8	49.9	88.4	78.9	48.4	33.8
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°
904.5
971.0
1013.2
1025.3
1018.7
1003.3
982.0
946.0
906.7
881.8
861.2
838.5
813.2
776.1
728.0
667.1
597.8
528.4
474.5
438.5
404.4
378.3
343.8
314.1
286.2
264.2
247.0
233.8
223.8
211.0
233.4
172.8
136.9
110.1
81.8
33.8
0.0

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