

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: P852175

Luminaire Tested: **GLAN-SB1D-927-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852175
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-927-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 90 CRI, 2700K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6479 lumens
Efficiency: N/A
Efficacy: 81.4 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

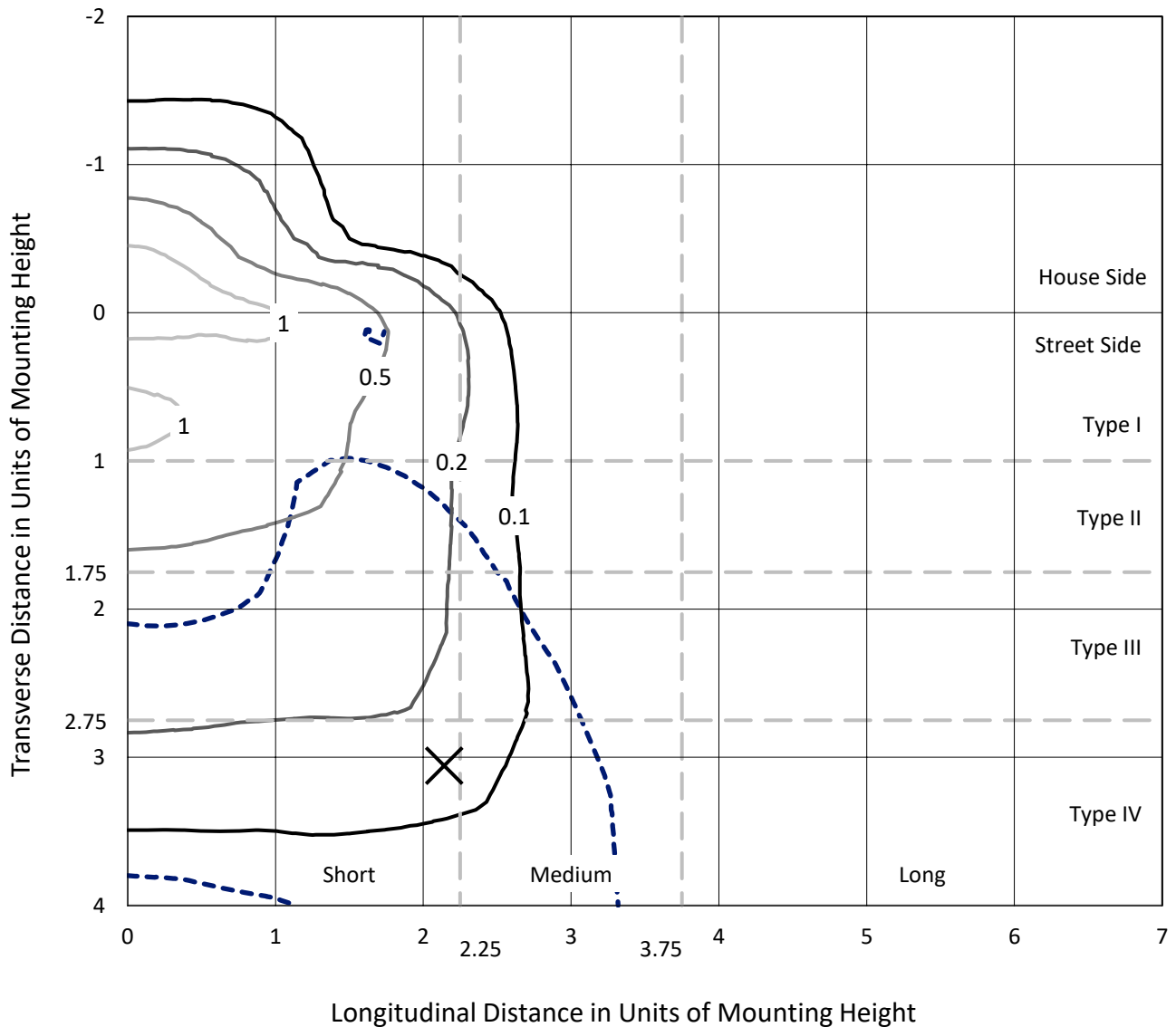
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

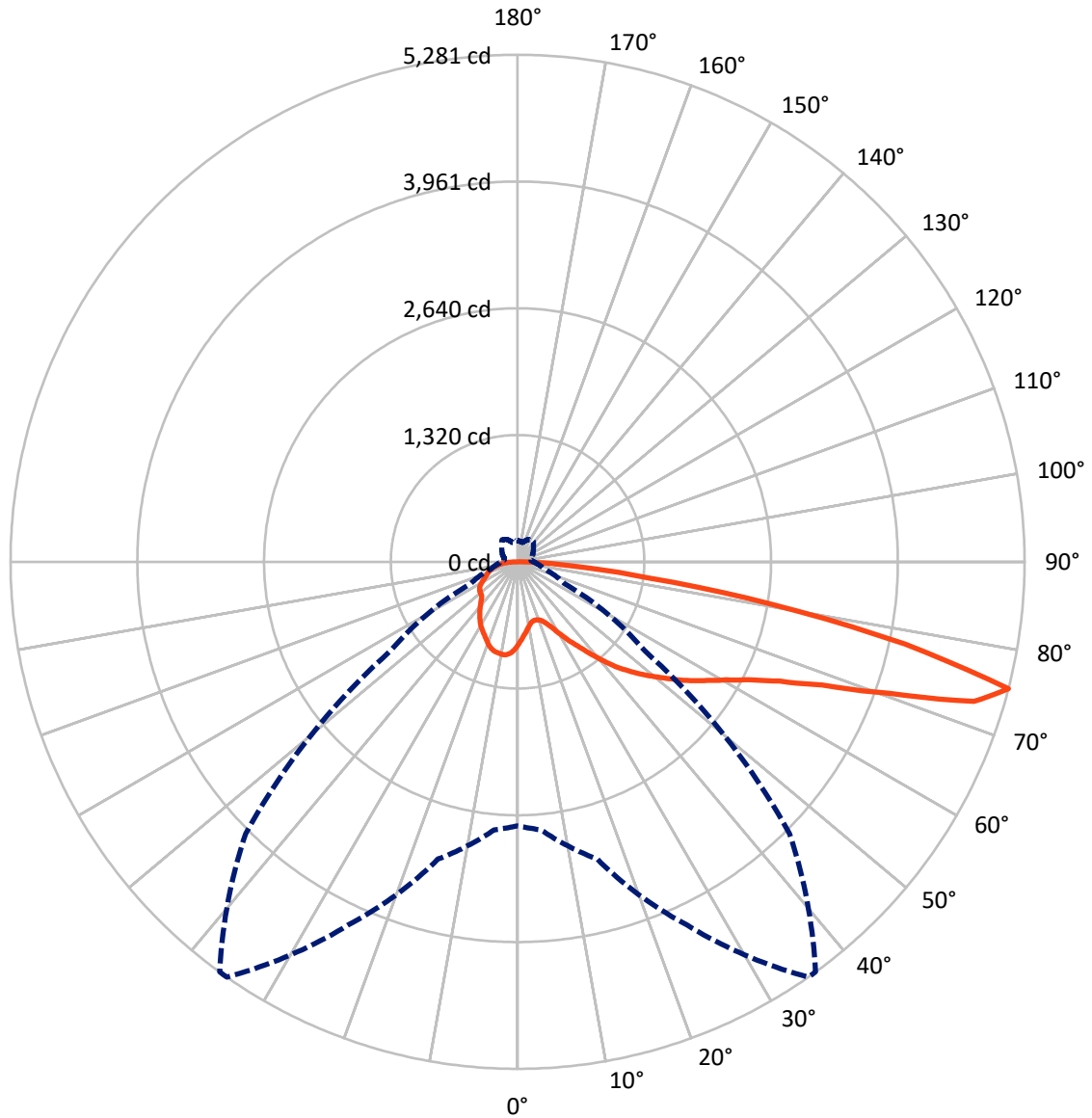
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	1541.8	0.0	1541.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	4937.2	0.0	4937.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	6479.0	0.0	6479.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	1.3
10°-20°	235.8	3.6
20°-30°	395.9	6.1
30°-40°	615.4	9.5
40°-50°	913.3	14.1
50°-60°	1260.9	19.5
60°-70°	1529.8	23.6
70°-80°	1264.3	19.5
80°-90°	181.8	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°	6479.0	100.0
0°-180°	6479.0	100.0

Coefficient of Utilization

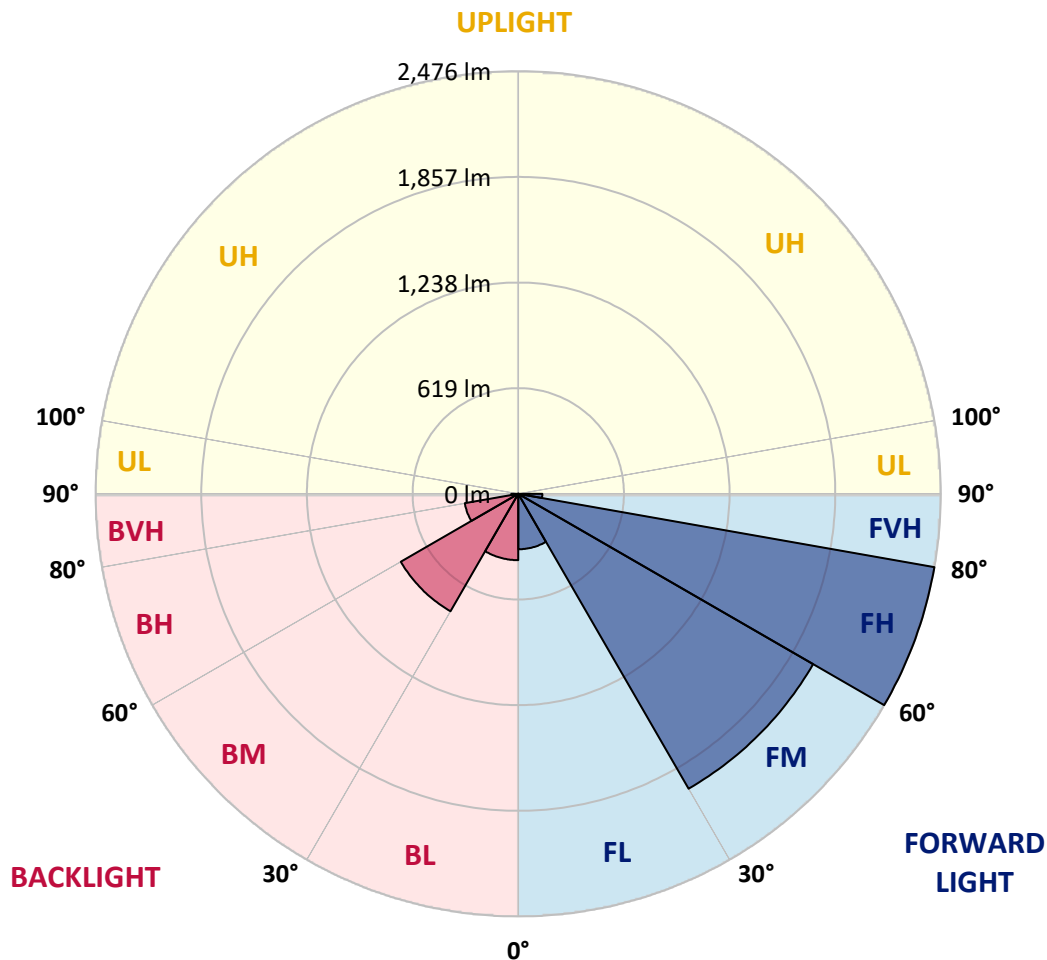


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.9	5.0			
FM (30°-60°)	1995.2	30.8			
FH (60°-80°)	2476.2	38.2			G2/5000
FVH (80°-90°)	140.9	2.2			G2/225
BL (0°-30°)	388.6	6.0	B1/500		
BM (30°-60°)	794.4	12.3	B1/1000		
BH (60°-80°)	317.9	4.9	B1/500		G1/500
BVH (80°-90°)	40.9	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°	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4
2.5°	796.1	801.0	803.1	802.1	807.3	806.6	814.0	823.1	835.7	848.0
5°	734.8	740.1	744.6	748.8	759.0	762.1	773.7	791.2	814.3	837.8
7.5°	677.7	682.3	689.3	697.0	714.2	717.3	736.6	763.9	796.1	830.4
10°	631.2	635.7	643.1	651.8	673.2	677.0	701.6	738.0	780.0	823.4
12.5°	611.2	612.6	616.8	625.5	644.1	646.6	673.5	715.2	764.2	818.2
15°	610.1	612.9	613.3	617.8	633.3	634.3	659.2	700.5	754.4	817.1
17.5°	620.6	622.7	619.6	622.4	635.4	637.1	656.7	693.5	751.3	821.7
20°	648.7	650.4	641.0	637.1	646.6	648.0	667.2	698.1	754.4	831.1
22.5°	708.2	709.3	686.1	670.4	671.1	671.8	688.6	716.6	766.7	848.3
25°	801.0	800.3	763.5	733.1	715.6	711.7	722.9	746.7	787.4	871.1
27.5°	909.6	904.4	867.6	822.0	783.9	778.3	775.8	786.0	816.8	901.2
30°	1032.2	1027.3	987.7	928.2	875.3	866.2	843.1	837.8	860.6	942.2
32.5°	1166.7	1163.5	1116.3	1044.1	973.3	962.8	924.0	910.0	927.8	1004.2
35°	1279.5	1276.7	1237.4	1163.2	1076.7	1063.7	1024.1	1008.4	1017.5	1083.7
37.5°	1381.4	1380.0	1346.4	1287.9	1198.6	1182.8	1138.3	1133.1	1131.3	1188.4
40°	1476.0	1472.5	1437.4	1406.6	1340.4	1326.1	1286.8	1282.3	1269.0	1317.3
42.5°	1580.7	1571.6	1520.8	1506.4	1488.6	1476.7	1453.2	1453.9	1424.5	1462.7
45°	1666.1	1660.9	1608.7	1600.3	1619.6	1614.7	1635.0	1640.2	1583.1	1615.0
47.5°	1757.9	1753.0	1708.9	1702.9	1755.1	1756.5	1828.3	1830.1	1737.9	1773.3
50°	1871.0	1864.0	1820.3	1827.6	1886.1	1891.4	2022.7	2010.8	1880.5	1934.1
52.5°	1945.6	1949.9	1940.4	1952.3	2032.2	2037.1	2213.9	2183.5	2021.7	2092.8
55°	2000.6	2009.0	2038.5	2065.8	2186.3	2191.2	2394.3	2347.7	2138.6	2239.9
57.5°	2071.4	2059.5	2114.5	2167.7	2332.7	2345.6	2569.8	2506.1	2242.3	2366.7
60°	2173.0	2164.6	2207.3	2286.1	2496.6	2517.3	2755.4	2648.6	2318.3	2467.2
62.5°	2378.9	2357.9	2364.5	2434.2	2703.2	2730.6	2964.9	2772.9	2356.1	2506.4
65°	2686.8	2650.7	2617.1	2665.4	2994.3	3021.3	3201.3	2870.7	2342.1	2430.4
67.5°	3074.5	3038.8	2997.5	3043.0	3423.0	3444.4	3493.1	2925.7	2231.8	2137.6
70°	3394.3	3381.0	3430.4	3617.8	4107.8	4108.5	3867.1	2880.1	1929.5	1515.5
72.5°	3351.9	3343.9	3604.1	4183.4	4970.8	4952.2	4221.2	2535.5	1299.8	683.7
75°	2749.8	2802.0	3205.2	4173.2	5280.7	5278.3	4004.4	1611.9	537.6	283.4
77.5°	1474.6	1557.2	2080.8	3081.2	4122.5	4184.5	2815.3	563.9	230.8	181.4
80°	480.9	553.0	829.4	1568.8	2678.7	2667.2	1206.6	221.4	158.0	128.5
82.5°	204.2	212.6	370.6	740.8	1374.7	1353.4	384.2	127.1	111.0	87.9
85°	79.9	89.3	163.6	342.5	595.4	582.5	138.7	63.0	71.1	57.4
87.5°	26.3	31.9	58.5	117.3	185.3	178.6	34.0	21.7	30.8	26.3
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°
863.4	0°	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4	863.4
865.8	2.5°	870.7	876.3	883.0	892.8	901.2	908.2	915.6	920.1	921.9	927.1
867.2	5°	877.0	889.3	905.8	921.9	937.6	947.1	955.5	959.7	963.5	966.3
871.1	7.5°	887.5	903.3	929.2	950.2	963.5	971.2	976.9	975.5	976.9	977.6
875.3	10°	896.6	918.7	949.5	969.5	979.7	980.0	978.6	973.7	971.2	971.6
881.6	12.5°	907.5	932.0	965.3	982.1	984.9	977.2	971.2	962.8	959.7	958.3
891.0	15°	922.2	950.2	982.5	988.8	981.8	971.9	961.8	948.1	941.1	935.5
907.2	17.5°	940.1	970.9	995.8	991.2	976.2	960.0	943.6	922.9	908.6	902.6
929.2	20°	964.9	992.6	1005.9	986.0	963.2	938.7	910.7	885.4	872.1	866.2
957.2	22.5°	995.1	1021.7	1015.7	976.9	944.6	905.4	870.4	851.8	845.2	841.0
993.3	25°	1031.1	1053.9	1022.7	963.5	914.2	861.3	834.3	828.3	825.2	822.0
1037.4	27.5°	1078.1	1090.3	1028.0	943.9	866.5	814.3	804.5	805.6	804.5	799.3
1098.7	30°	1140.1	1137.6	1032.9	912.1	811.9	772.0	772.7	777.2	777.9	774.4
1184.2	32.5°	1221.7	1196.8	1035.3	870.7	759.7	734.8	735.5	740.4	743.9	738.0
1295.9	35°	1320.4	1265.8	1031.5	818.9	719.4	699.5	694.2	695.6	696.7	691.0
1431.5	37.5°	1435.7	1343.2	1014.3	761.4	686.1	664.8	653.6	644.1	638.5	633.3
1584.9	40°	1562.1	1427.6	982.8	705.4	649.0	628.0	611.2	593.3	574.4	567.4
1747.4	42.5°	1694.5	1514.5	944.6	651.8	606.3	589.1	571.3	545.3	517.0	502.6
1916.2	45°	1831.8	1603.5	907.2	598.9	562.5	555.1	534.5	503.3	472.5	454.3
2085.4	47.5°	1966.3	1687.5	852.2	545.7	521.5	529.6	513.5	484.7	450.4	421.7
2253.2	50°	2094.9	1766.3	762.1	491.8	488.3	521.9	506.5	465.1	425.9	389.1
2417.8	52.5°	2222.3	1830.1	646.9	442.7	470.4	519.8	497.4	451.8	403.8	365.3
2572.6	55°	2330.6	1863.0	535.9	400.7	444.5	501.9	486.5	436.1	372.7	331.7
2678.7	57.5°	2392.2	1836.4	443.4	359.4	408.7	472.5	467.9	402.4	335.5	304.0
2699.4	60°	2365.6	1728.5	367.8	323.3	374.8	440.6	435.7	369.2	307.2	277.4
2588.7	62.5°	2218.8	1522.9	307.9	291.8	343.9	408.0	403.5	343.6	285.5	256.7
2294.8	65°	1923.2	1238.8	261.3	265.5	312.8	368.8	375.5	322.2	268.3	240.3
1775.4	67.5°	1466.9	897.3	224.9	242.7	282.3	330.3	349.6	306.8	253.9	227.3
1027.3	70°	836.1	509.6	194.0	220.7	255.3	294.6	329.6	294.6	238.5	216.5
384.9	72.5°	317.0	234.0	167.8	198.6	229.4	264.4	307.5	275.3	220.7	204.2
198.9	75°	169.2	142.6	141.2	172.7	199.6	235.0	279.9	256.4	207.3	215.8
137.6	77.5°	115.2	100.9	118.0	147.8	167.1	202.4	250.4	227.7	179.7	179.0
95.3	80°	79.9	71.5	96.0	119.1	129.2	170.2	218.6	195.4	146.4	136.6
58.8	82.5°	48.0	46.6	71.8	89.0	91.4	131.3	181.1	163.9	119.8	104.4
35.0	85°	26.3	27.7	45.9	52.2	53.2	91.8	141.9	126.8	92.1	77.4
12.6	87.5°	7.4	9.5	16.8	20.7	25.6	47.6	84.4	75.3	46.2	32.2
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°
863.4
926.8
967.0
978.6
972.3
957.6
937.3
902.9
865.5
841.7
822.0
800.3
776.2
740.8
694.9
636.8
570.6
504.4
452.9
418.6
386.0
361.1
328.2
299.8
273.2
252.2
235.7
223.1
213.7
201.4
222.8
165.0
130.6
105.1
78.1
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0.0

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