

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: P852171

Luminaire Tested: **GLAN-SB1D-840-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852171  
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-840-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

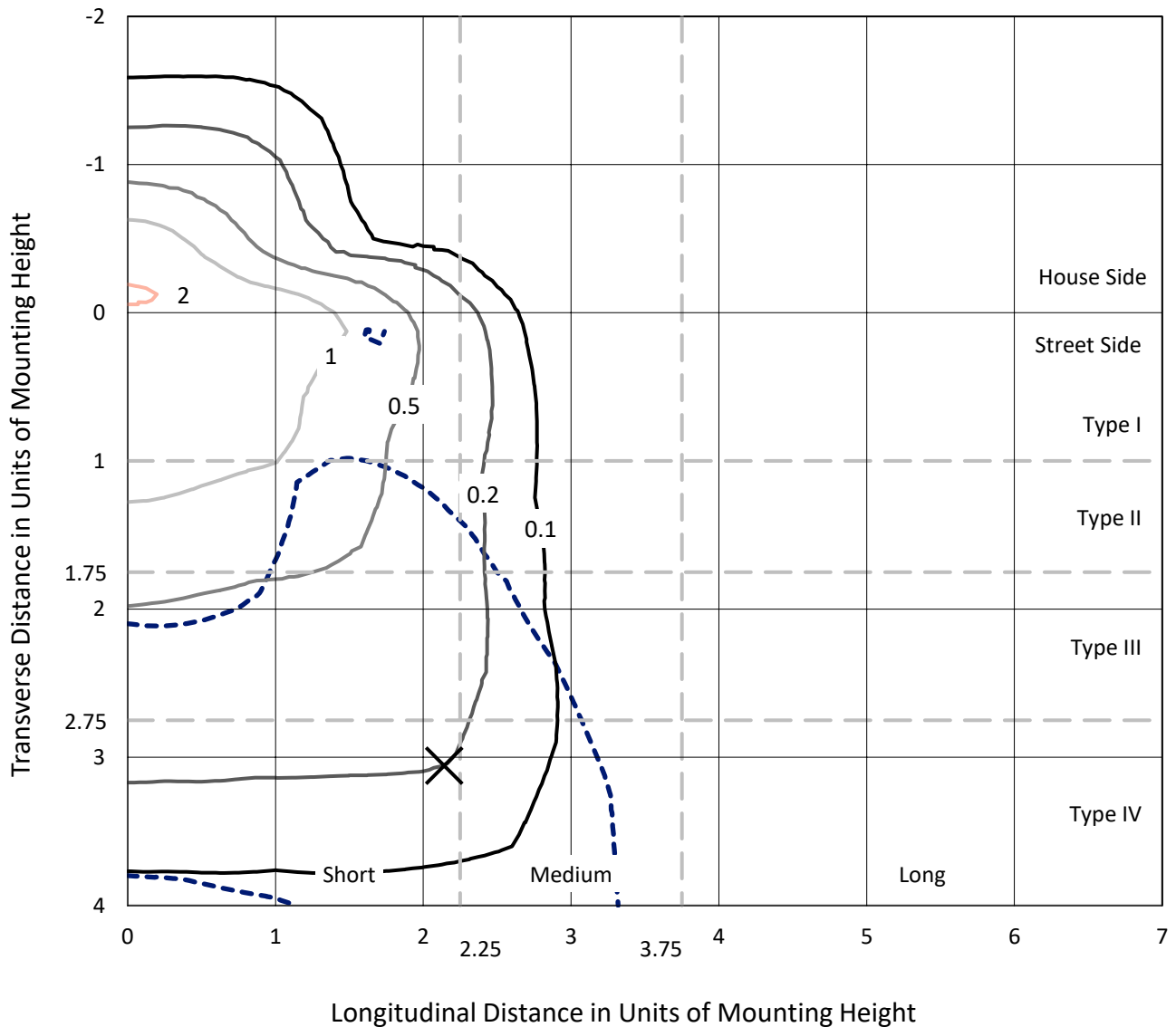
Lumens per Lamp: N/A  
Luminaire Lumens: 8947 lumens  
Efficiency: N/A  
Efficacy: 112.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

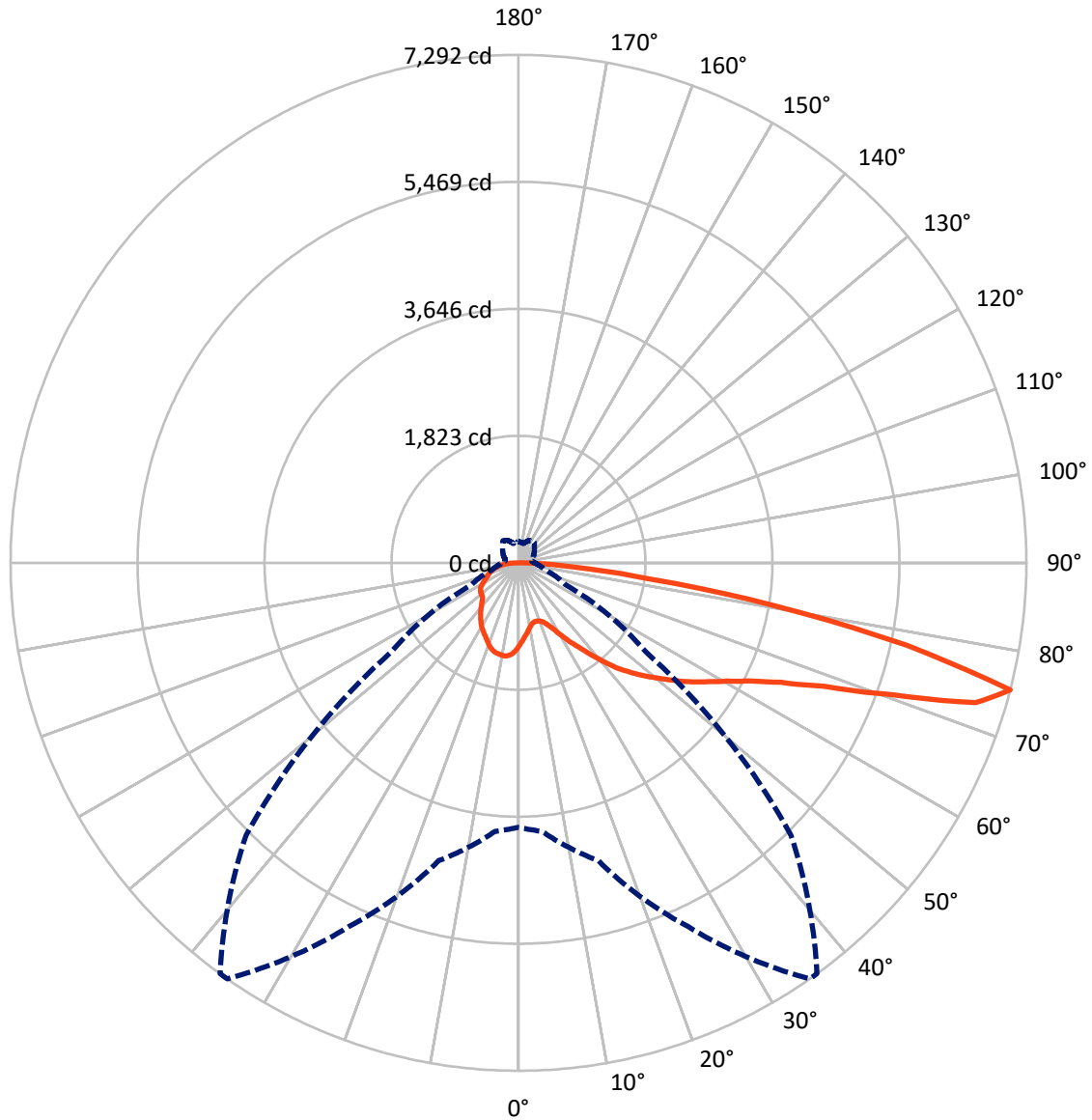
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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
<b>House Side</b>	Lumens	2129.2	0.0	2129.2
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	6817.8	0.0	6817.8
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	8947.0	0.0	8947.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.9	1.3
10°-20°	325.6	3.6
20°-30°	546.8	6.1
30°-40°	849.8	9.5
40°-50°	1261.3	14.1
50°-60°	1741.2	19.5
60°-70°	2112.5	23.6
70°-80°	1745.8	19.5
80°-90°	251.1	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°	8947.0	100.0
0°-180°	8947.0	100.0

**Coefficient of Utilization**



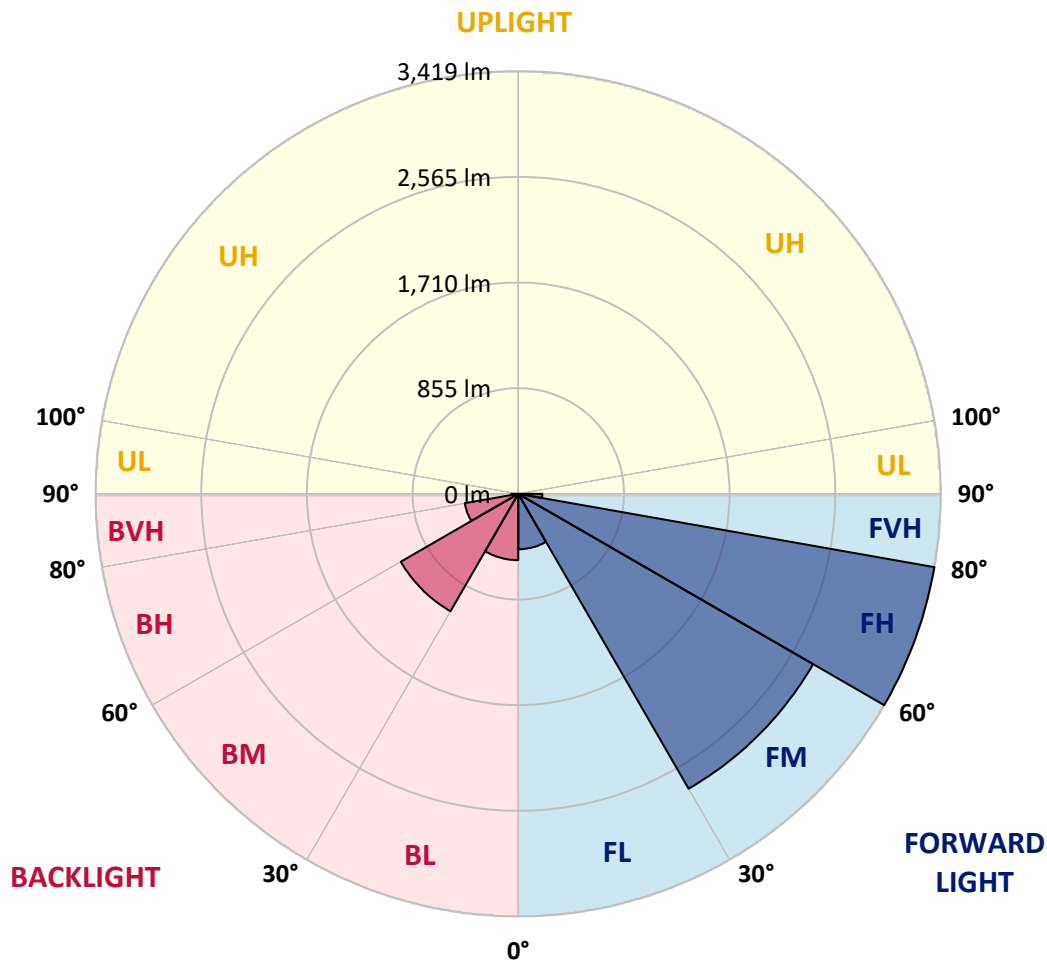
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	448.7	5.0			
FM (30°-60°)	2755.2	30.8			
FH (60°-80°)	3419.4	38.2			G2/5000
FVH (80°-90°)	194.6	2.2			G2/225
BL (0°-30°)	536.6	6.0	B2/1000		
BM (30°-60°)	1097.1	12.3	B2/2500		
BH (60°-80°)	439.0	4.9	B1/500		G1/500
BVH (80°-90°)	56.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
2.5°	1099.4	1106.2	1109.1	1107.6	1114.9	1113.9	1124.1	1136.6	1154.0	1171.0
5°	1014.7	1022.0	1028.3	1034.1	1048.1	1052.5	1068.4	1092.6	1124.5	1156.9
7.5°	935.9	942.2	951.9	962.5	986.2	990.6	1017.2	1054.9	1099.4	1146.8
10°	871.6	877.9	888.0	900.1	929.6	934.9	968.8	1019.1	1077.1	1137.1
12.5°	844.0	845.9	851.7	863.8	889.5	892.9	930.1	987.7	1055.4	1129.9
15°	842.6	846.4	846.9	853.2	874.5	875.9	910.3	967.3	1041.8	1128.4
17.5°	857.1	860.0	855.6	859.5	877.4	879.8	906.9	957.7	1037.5	1134.7
20°	895.8	898.2	885.1	879.8	892.9	894.8	921.4	964.0	1041.8	1147.8
22.5°	978.0	979.4	947.5	925.7	926.7	927.7	950.9	989.6	1058.8	1171.5
25°	1106.2	1105.2	1054.4	1012.3	988.1	982.8	998.3	1031.2	1087.3	1202.9
27.5°	1256.1	1248.8	1198.1	1135.2	1082.5	1074.7	1071.3	1085.4	1127.9	1244.5
30°	1425.4	1418.6	1364.0	1281.7	1208.7	1196.1	1164.2	1156.9	1188.4	1301.1
32.5°	1611.1	1606.8	1541.5	1441.8	1344.1	1329.6	1275.9	1256.6	1281.2	1386.7
35°	1766.8	1763.0	1708.8	1606.3	1486.8	1468.9	1414.3	1392.5	1405.1	1496.5
37.5°	1907.6	1905.7	1859.2	1778.5	1655.1	1633.4	1571.9	1564.7	1562.3	1641.1
40°	2038.2	2033.4	1985.0	1942.4	1851.0	1831.2	1777.0	1770.7	1752.3	1819.1
42.5°	2182.8	2170.2	2100.1	2080.3	2055.6	2039.2	2006.7	2007.7	1967.1	2019.8
45°	2300.8	2293.6	2221.5	2209.9	2236.5	2229.7	2257.8	2265.0	2186.2	2230.2
47.5°	2427.5	2420.8	2359.8	2351.6	2423.7	2425.6	2524.8	2527.2	2400.0	2448.8
50°	2583.8	2574.1	2513.6	2523.8	2604.6	2611.8	2793.2	2776.8	2596.8	2670.8
52.5°	2686.8	2692.6	2679.5	2696.0	2806.3	2813.0	3057.3	3015.2	2791.7	2889.9
55°	2762.7	2774.3	2815.0	2852.7	3019.1	3025.8	3306.4	3242.0	2953.3	3093.1
57.5°	2860.4	2844.0	2919.9	2993.4	3221.2	3239.1	3548.7	3460.7	3096.5	3268.2
60°	3000.7	2989.1	3048.1	3156.9	3447.6	3476.1	3805.0	3657.5	3201.4	3407.0
62.5°	3285.1	3256.1	3265.3	3361.5	3733.0	3770.7	4094.3	3829.2	3253.7	3461.1
65°	3710.2	3660.4	3614.0	3680.7	4134.9	4172.1	4420.8	3964.2	3234.3	3356.2
67.5°	4245.7	4196.3	4139.3	4202.1	4726.9	4756.4	4823.6	4040.1	3081.9	2951.8
70°	4687.3	4668.9	4737.1	4995.8	5672.5	5673.5	5340.2	3977.2	2664.5	2092.8
72.5°	4628.7	4617.6	4977.0	5777.0	6864.3	6838.6	5829.2	3501.3	1794.9	944.1
75°	3797.3	3869.4	4426.1	5762.9	7292.3	7288.9	5529.8	2225.9	742.4	391.3
77.5°	2036.3	2150.4	2873.5	4254.9	5692.8	5778.4	3887.7	778.7	318.7	250.5
80°	664.1	763.7	1145.3	2166.4	3699.1	3683.2	1666.2	305.7	218.1	177.5
82.5°	282.0	293.6	511.7	1023.0	1898.4	1868.9	530.6	175.6	153.3	121.4
85°	110.3	123.3	225.9	473.0	822.2	804.3	191.5	87.1	98.2	79.3
87.5°	36.3	44.0	80.8	162.0	255.9	246.7	46.9	30.0	42.6	36.3
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°
1192.2	0°	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2	1192.2
1195.6	2.5°	1202.4	1210.1	1219.3	1232.9	1244.5	1254.2	1264.3	1270.6	1273.0	1280.3
1197.6	5°	1211.1	1228.0	1250.8	1273.0	1294.8	1307.8	1319.5	1325.3	1330.6	1334.4
1202.9	7.5°	1225.6	1247.4	1283.2	1312.2	1330.6	1341.2	1349.0	1347.0	1349.0	1349.9
1208.7	10°	1238.2	1268.7	1311.2	1338.8	1352.8	1353.3	1351.4	1344.6	1341.2	1341.7
1217.4	12.5°	1253.2	1287.0	1333.0	1356.2	1360.1	1349.4	1341.2	1329.6	1325.3	1323.3
1230.5	15°	1273.5	1312.2	1356.7	1365.4	1355.7	1342.2	1328.2	1309.3	1299.6	1291.9
1252.7	17.5°	1298.2	1340.7	1375.1	1368.8	1348.0	1325.7	1303.0	1274.5	1254.6	1246.4
1283.2	20°	1332.5	1370.7	1389.1	1361.5	1330.1	1296.2	1257.5	1222.7	1204.3	1196.1
1321.9	22.5°	1374.1	1410.9	1402.6	1349.0	1304.5	1250.3	1201.9	1176.3	1167.1	1161.3
1371.7	25°	1423.9	1455.4	1412.3	1330.6	1262.4	1189.3	1152.1	1143.9	1139.5	1135.2
1432.6	27.5°	1488.7	1505.7	1419.6	1303.5	1196.6	1124.5	1111.0	1112.4	1111.0	1103.7
1517.3	30°	1574.3	1571.0	1426.3	1259.5	1121.1	1066.0	1067.0	1073.3	1074.2	1069.4
1635.3	32.5°	1687.0	1652.7	1429.7	1202.4	1049.1	1014.7	1015.7	1022.5	1027.3	1019.1
1789.6	35°	1823.4	1748.0	1424.4	1130.8	993.5	965.9	958.6	960.6	962.0	954.3
1976.8	37.5°	1982.6	1854.9	1400.7	1051.5	947.5	918.0	902.5	889.5	881.7	874.5
2188.6	40°	2157.2	1971.4	1357.2	974.1	896.2	867.2	844.0	819.3	793.2	783.5
2413.0	42.5°	2340.0	2091.4	1304.5	900.1	837.2	813.5	788.9	753.1	713.9	694.1
2646.2	45°	2529.6	2214.2	1252.7	827.1	776.8	766.6	738.1	695.0	652.5	627.3
2879.8	47.5°	2715.3	2330.3	1176.8	753.6	720.2	731.3	709.1	669.4	622.0	582.3
3111.5	50°	2892.8	2439.2	1052.5	679.1	674.2	720.7	699.4	642.3	588.1	537.4
3338.8	52.5°	3068.9	2527.2	893.3	611.4	649.6	717.8	686.8	623.9	557.7	504.5
3552.6	55°	3218.3	2572.6	740.0	553.3	613.8	693.1	671.8	602.2	514.6	458.0
3699.1	57.5°	3303.5	2535.9	612.3	496.2	564.4	652.5	646.2	555.7	463.4	419.8
3727.7	60°	3266.7	2386.9	507.9	446.4	517.5	608.5	601.7	509.8	424.2	383.1
3574.8	62.5°	3064.1	2103.0	425.1	402.9	475.0	563.5	557.2	474.5	394.2	354.5
3169.0	65°	2655.8	1710.7	360.8	366.6	431.9	509.3	518.5	445.0	370.5	331.8
2451.7	67.5°	2025.6	1239.2	310.5	335.2	389.8	456.1	482.7	423.7	350.7	313.9
1418.6	70°	1154.5	703.7	268.0	304.7	352.6	406.8	455.1	406.8	329.4	298.9
531.6	72.5°	437.7	323.1	231.7	274.2	316.8	365.2	424.7	380.2	304.7	282.0
274.7	75°	233.6	196.9	194.9	238.4	275.7	324.5	386.5	354.0	286.3	297.9
190.1	77.5°	159.1	139.3	163.0	204.1	230.7	279.6	345.8	314.4	248.1	247.2
131.6	80°	110.3	98.7	132.5	164.4	178.5	235.1	301.8	269.9	202.2	188.6
81.3	82.5°	66.3	64.3	99.2	122.9	126.2	181.4	250.1	226.4	165.4	144.1
48.4	85°	36.3	38.2	63.4	72.1	73.5	126.7	195.9	175.1	127.2	106.9
17.4	87.5°	10.2	13.1	23.2	28.5	35.3	65.8	116.6	104.0	63.8	44.5
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



180°
1192.2
1279.8
1335.4
1351.4
1342.7
1322.4
1294.3
1246.9
1195.2
1162.3
1135.2
1105.2
1071.8
1023.0
959.6
879.3
787.9
696.5
625.4
578.0
533.0
498.7
453.2
414.0
377.3
348.2
325.5
308.1
295.0
278.1
307.6
227.8
180.4
145.1
107.9
44.5
0.0

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