

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: P852173

Luminaire Tested: **GLAN-SB1D-850-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852173
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-850-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 80 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8639 lumens
Efficiency: N/A
Efficacy: 108.5 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

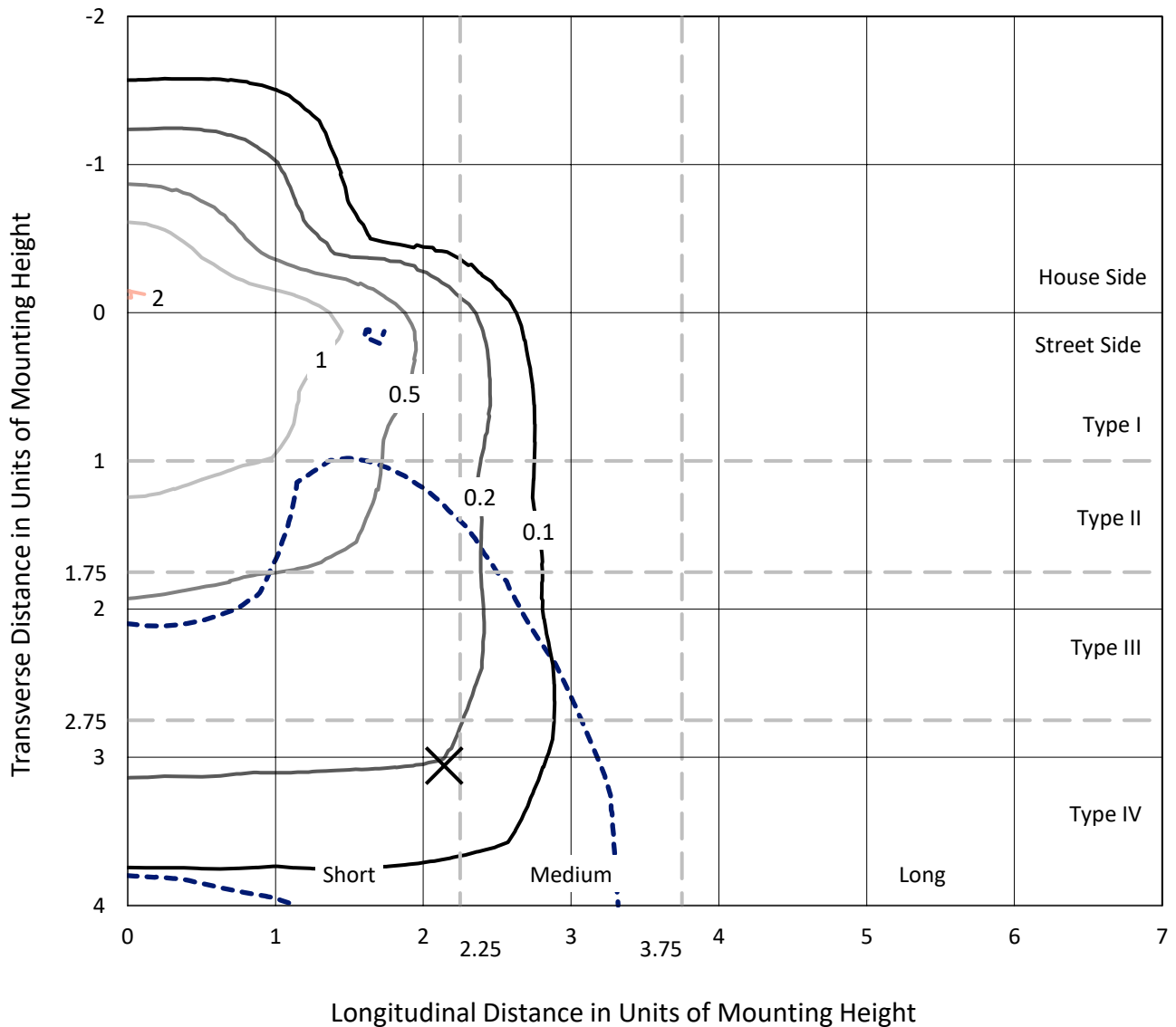
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

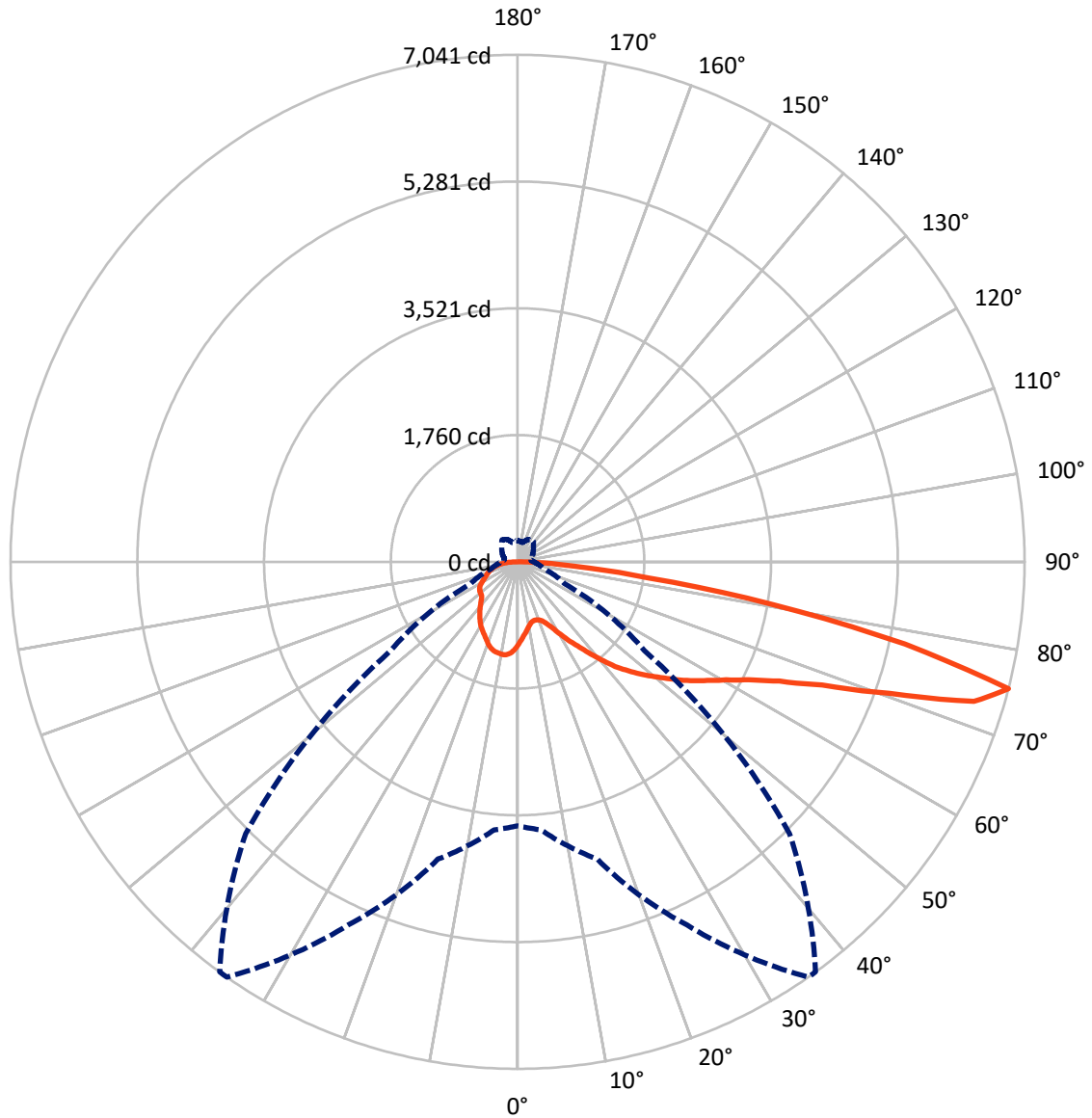
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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	2055.9	0.0	2055.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	6583.1	0.0	6583.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	8639.0	0.0	8639.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	1.3
10°-20°	314.4	3.6
20°-30°	527.9	6.1
30°-40°	820.5	9.5
40°-50°	1217.8	14.1
50°-60°	1681.3	19.5
60°-70°	2039.8	23.6
70°-80°	1685.7	19.5
80°-90°	242.5	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°	8639.0	100.0
0°-180°	8639.0	100.0

Coefficient of Utilization



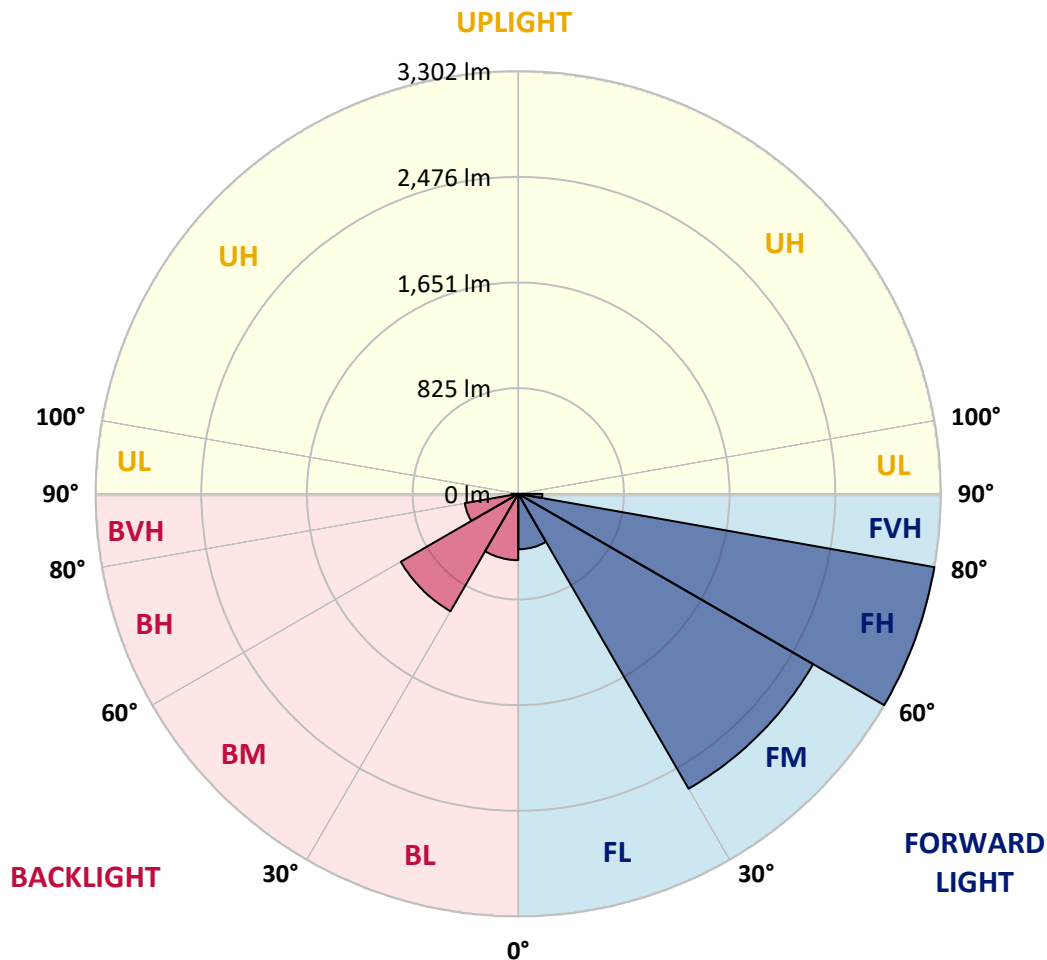
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	433.2	5.0			
FM (30°-60°)	2660.3	30.8			
FH (60°-80°)	3301.7	38.2			G2/5000
FVH (80°-90°)	187.9	2.2			G2/225
BL (0°-30°)	518.1	6.0	B2/1000		
BM (30°-60°)	1059.3	12.3	B2/2500		
BH (60°-80°)	423.9	4.9	B1/500		G1/500
BVH (80°-90°)	54.6	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°	1151.2	1151.2	1151.2	1151.2	1151.2	1151.2	1151.2	1151.2	1151.2	1151.2
2.5°	1061.5	1068.1	1070.9	1069.5	1076.5	1075.5	1085.4	1097.5	1114.3	1130.7
5°	979.8	986.8	992.9	998.5	1012.0	1016.2	1031.6	1055.0	1085.8	1117.1
7.5°	903.7	909.8	919.1	929.4	952.3	956.5	982.1	1018.6	1061.5	1107.3
10°	841.6	847.6	857.4	869.1	897.6	902.8	935.4	984.0	1040.1	1098.0
12.5°	815.0	816.8	822.4	834.1	858.9	862.1	898.1	953.7	1019.0	1091.0
15°	813.5	817.3	817.8	823.8	844.4	845.8	878.9	934.0	1006.0	1089.6
17.5°	827.6	830.4	826.2	829.9	847.2	849.5	875.7	924.7	1001.8	1095.6
20°	864.9	867.3	854.6	849.5	862.1	864.0	889.7	930.8	1006.0	1108.2
22.5°	944.3	945.7	914.9	893.9	894.8	895.7	918.2	955.5	1022.3	1131.1
25°	1068.1	1067.1	1018.1	977.5	954.1	949.0	963.9	995.7	1049.9	1161.5
27.5°	1212.9	1205.8	1156.8	1096.1	1045.2	1037.7	1034.5	1048.0	1089.1	1201.6
30°	1376.3	1369.8	1317.0	1237.6	1167.1	1154.9	1124.1	1117.1	1147.5	1256.3
32.5°	1555.6	1551.4	1488.4	1392.2	1297.8	1283.8	1232.0	1213.3	1237.1	1338.9
35°	1706.0	1702.3	1650.0	1551.0	1435.6	1418.3	1365.6	1344.6	1356.7	1445.0
37.5°	1841.9	1840.1	1795.2	1717.2	1598.1	1577.1	1517.8	1510.8	1508.5	1584.6
40°	1968.0	1963.4	1916.7	1875.6	1787.3	1768.1	1715.8	1709.8	1692.0	1756.5
42.5°	2107.7	2095.5	2027.8	2008.7	1984.8	1969.0	1937.7	1938.6	1899.4	1950.3
45°	2221.6	2214.6	2145.0	2133.8	2159.5	2153.0	2180.1	2187.1	2110.9	2153.4
47.5°	2344.0	2337.4	2278.6	2270.7	2340.2	2342.1	2437.8	2440.2	2317.4	2364.5
50°	2494.8	2485.5	2427.1	2436.9	2514.9	2521.9	2697.0	2681.2	2507.4	2578.9
52.5°	2594.3	2599.9	2587.3	2603.2	2709.7	2716.2	2952.0	2911.4	2695.6	2790.4
55°	2667.6	2678.8	2718.1	2754.5	2915.1	2921.7	3192.6	3130.4	2851.6	2986.6
57.5°	2762.0	2746.1	2819.4	2890.4	3110.4	3127.6	3426.5	3341.5	2989.9	3155.7
60°	2897.4	2886.2	2943.2	3048.2	3328.9	3356.5	3674.0	3531.6	3091.2	3289.7
62.5°	3172.0	3144.0	3152.9	3245.8	3604.5	3640.9	3953.3	3697.4	3141.6	3342.0
65°	3582.5	3534.4	3489.6	3554.0	3992.6	4028.5	4268.6	3827.7	3123.0	3240.7
67.5°	4099.5	4051.9	3996.8	4057.5	4564.2	4592.7	4657.6	3901.0	2975.9	2850.2
70°	4525.9	4508.1	4574.0	4823.9	5477.2	5478.1	5156.4	3840.3	2572.8	2020.8
72.5°	4469.4	4458.6	4805.6	5578.1	6628.0	6603.2	5628.5	3380.8	1733.1	911.6
75°	3666.6	3736.2	4273.7	5564.5	7041.3	7038.0	5339.4	2149.2	716.9	377.8
77.5°	1966.2	2076.4	2774.6	4108.4	5496.8	5579.5	3753.9	751.9	307.8	241.9
80°	641.2	737.4	1105.9	2091.8	3571.8	3556.4	1608.9	295.2	210.6	171.4
82.5°	272.3	283.5	494.1	987.7	1833.1	1804.6	512.3	169.5	148.0	117.2
85°	106.5	119.1	218.1	456.7	793.9	776.7	184.9	84.1	94.8	76.6
87.5°	35.0	42.5	78.0	156.5	247.1	238.2	45.3	29.0	41.1	35.0
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°
1151.2	0°	1151.2	1151.2	1151.2	1151.2	1151.2	1151.2	1151.2	1151.2	1151.2	1151.2
1154.5	2.5°	1161.0	1168.5	1177.4	1190.4	1201.6	1211.0	1220.8	1226.9	1229.2	1236.2
1156.3	5°	1169.4	1185.8	1207.7	1229.2	1250.2	1262.8	1274.0	1279.6	1284.8	1288.5
1161.5	7.5°	1183.4	1204.4	1239.0	1267.0	1284.8	1295.0	1302.5	1300.7	1302.5	1303.5
1167.1	10°	1195.6	1225.0	1266.1	1292.7	1306.3	1306.7	1304.9	1298.3	1295.0	1295.5
1175.5	12.5°	1210.0	1242.7	1287.1	1309.5	1313.3	1303.0	1295.0	1283.8	1279.6	1277.8
1188.1	15°	1229.7	1267.0	1310.0	1318.4	1309.1	1296.0	1282.4	1264.2	1254.9	1247.4
1209.6	17.5°	1253.5	1294.6	1327.7	1321.7	1301.6	1280.1	1258.2	1230.6	1211.5	1203.5
1239.0	20°	1286.6	1323.5	1341.3	1314.7	1284.3	1251.6	1214.3	1180.6	1162.9	1154.9
1276.4	22.5°	1326.8	1362.3	1354.4	1302.5	1259.6	1207.2	1160.5	1135.8	1126.9	1121.3
1324.5	25°	1374.9	1405.3	1363.7	1284.8	1218.9	1148.4	1112.4	1104.5	1100.3	1096.1
1383.3	27.5°	1437.5	1453.8	1370.7	1258.6	1155.4	1085.8	1072.7	1074.1	1072.7	1065.7
1465.0	30°	1520.2	1516.9	1377.2	1216.1	1082.6	1029.3	1030.2	1036.3	1037.3	1032.6
1579.0	32.5°	1629.0	1595.8	1380.5	1161.0	1013.0	979.8	980.7	987.3	992.0	984.0
1728.0	35°	1760.7	1687.8	1375.4	1091.9	959.3	932.6	925.6	927.5	928.9	921.4
1908.7	37.5°	1914.3	1791.0	1352.5	1015.3	914.9	886.4	871.5	858.9	851.4	844.4
2113.3	40°	2082.9	1903.6	1310.5	940.6	865.4	837.4	815.0	791.1	765.9	756.6
2330.0	42.5°	2259.4	2019.4	1259.6	869.1	808.4	785.5	761.7	727.2	689.3	670.2
2555.1	45°	2442.5	2138.0	1209.6	798.6	750.0	740.2	712.7	671.1	630.0	605.7
2780.6	47.5°	2621.9	2250.1	1136.3	727.6	695.4	706.1	684.7	646.4	600.6	562.3
3004.3	50°	2793.2	2355.2	1016.2	655.7	651.0	695.9	675.3	620.2	567.9	518.9
3223.8	52.5°	2963.2	2440.2	862.6	590.3	627.2	693.1	663.2	602.5	538.5	487.1
3430.3	55°	3107.6	2484.1	714.5	534.3	592.6	669.2	648.7	581.4	496.9	442.3
3571.8	57.5°	3189.7	2448.6	591.2	479.2	545.0	630.0	623.9	536.6	447.4	405.4
3599.3	60°	3154.3	2304.7	490.4	431.1	499.7	587.5	581.0	492.2	409.6	369.9
3451.7	62.5°	2958.6	2030.6	410.5	389.0	458.6	544.1	538.0	458.1	380.6	342.3
3059.9	65°	2564.4	1651.9	348.4	354.0	417.0	491.8	500.6	429.7	357.7	320.4
2367.3	67.5°	1955.9	1196.5	299.8	323.6	376.4	440.4	466.1	409.1	338.6	303.1
1369.8	70°	1114.8	679.5	258.7	294.2	340.5	392.8	439.5	392.8	318.0	288.6
513.3	72.5°	422.7	312.0	223.7	264.8	305.9	352.6	410.0	367.1	294.2	272.3
265.3	75°	225.6	190.1	188.2	230.2	266.2	313.4	373.1	341.9	276.5	287.7
183.5	77.5°	153.6	134.5	157.4	197.1	222.8	269.9	333.9	303.6	239.6	238.6
127.0	80°	106.5	95.3	128.0	158.8	172.3	227.0	291.4	260.6	195.2	182.1
78.5	82.5°	64.0	62.1	95.7	118.6	121.9	175.1	241.4	218.6	159.7	139.2
46.7	85°	35.0	36.9	61.2	69.6	71.0	122.4	189.1	169.1	122.8	103.2
16.8	87.5°	9.8	12.6	22.4	27.6	34.1	63.5	112.6	100.4	61.6	43.0
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

<u>180°</u>
1151.2
1235.7
1289.4
1304.9
1296.4
1276.8
1249.7
1204.0
1154.0
1122.2
1096.1
1067.1
1034.9
987.7
926.6
849.0
760.8
672.5
603.9
558.1
514.7
481.5
437.6
399.8
364.3
336.3
314.3
297.5
284.9
268.5
297.0
220.0
174.2
140.1
104.1
43.0
0.0

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