

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: P945921

Luminaire Tested: **GLAN-SB1D-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1D-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8393 lumens
Efficiency: N/A
Efficacy: 105.4 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



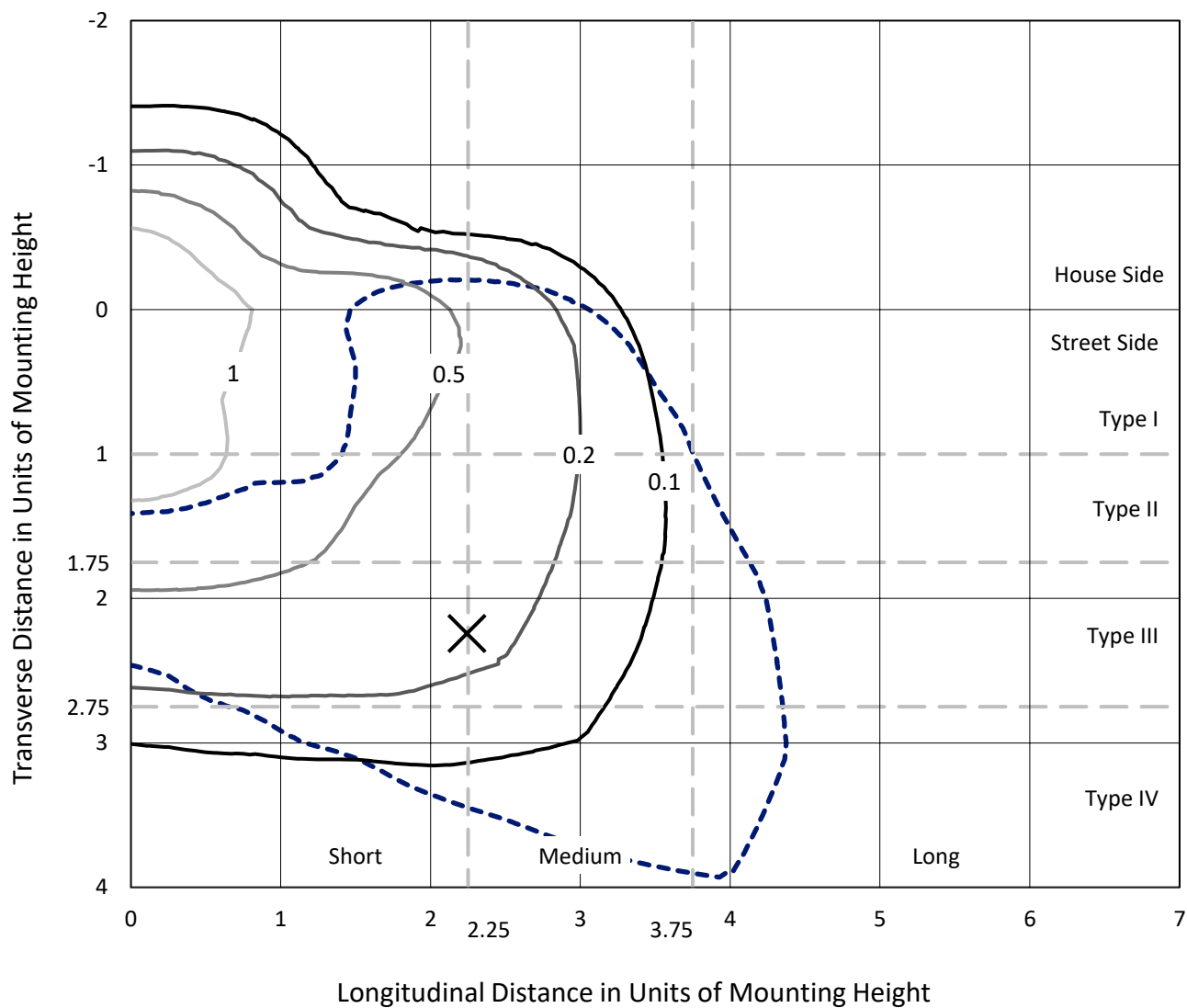
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Iso-Footcandle Lines of Horizontal Illumination

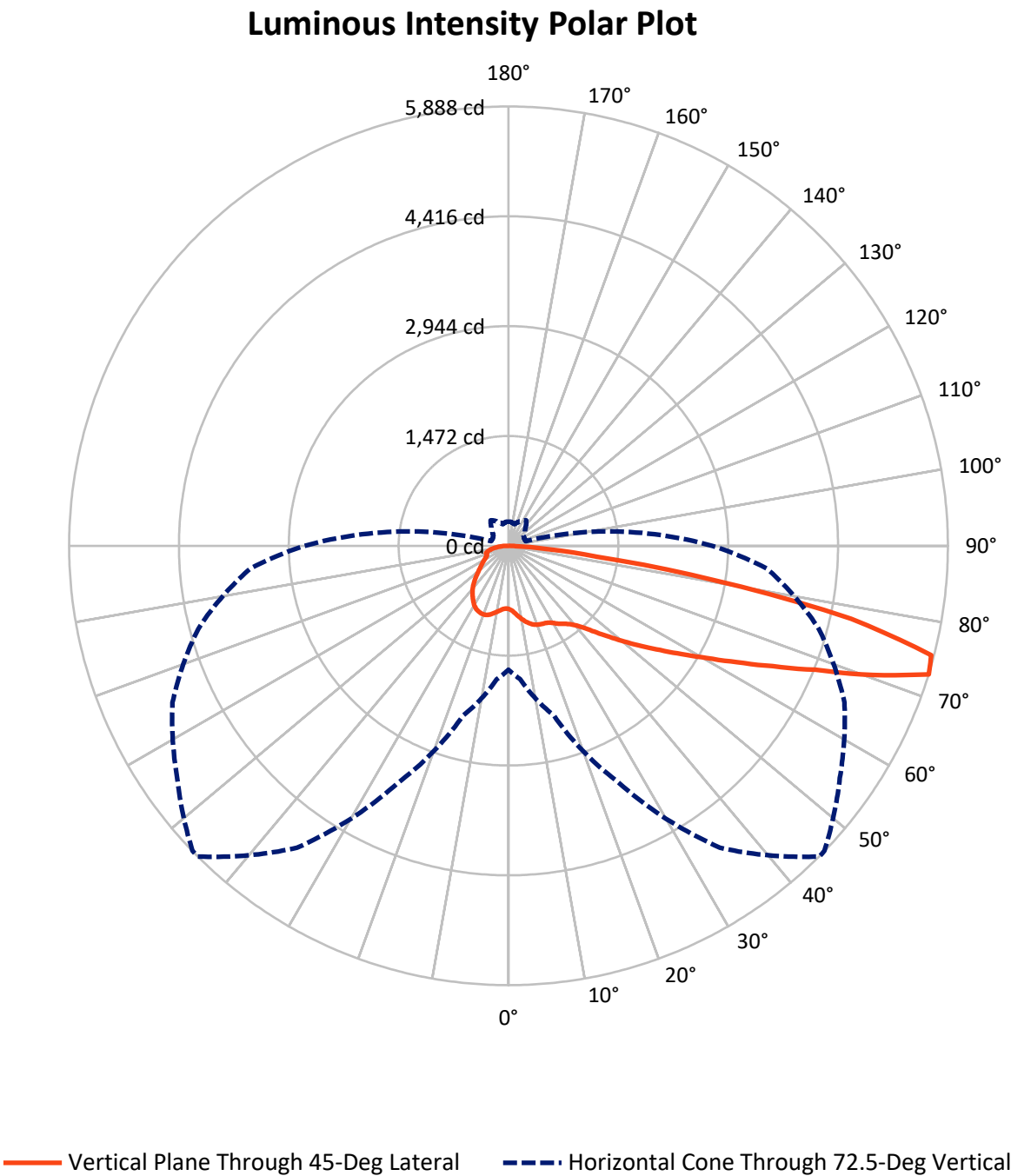
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
Type IV - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1897.4	0.0	1897.4
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	6495.6	0.0	6495.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	8393.0	0.0	8393.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	86.2	1.0
10°-20°	287.3	3.4
20°-30°	499.8	6.0
30°-40°	716.5	8.5
40°-50°	1008.9	12.0
50°-60°	1545.3	18.4
60°-70°	2238.6	26.7
70°-80°	1787.7	21.3
80°-90°	222.6	2.7
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°	8393.0	100.0
0°-180°	8393.0	100.0

Coefficient of Utilization



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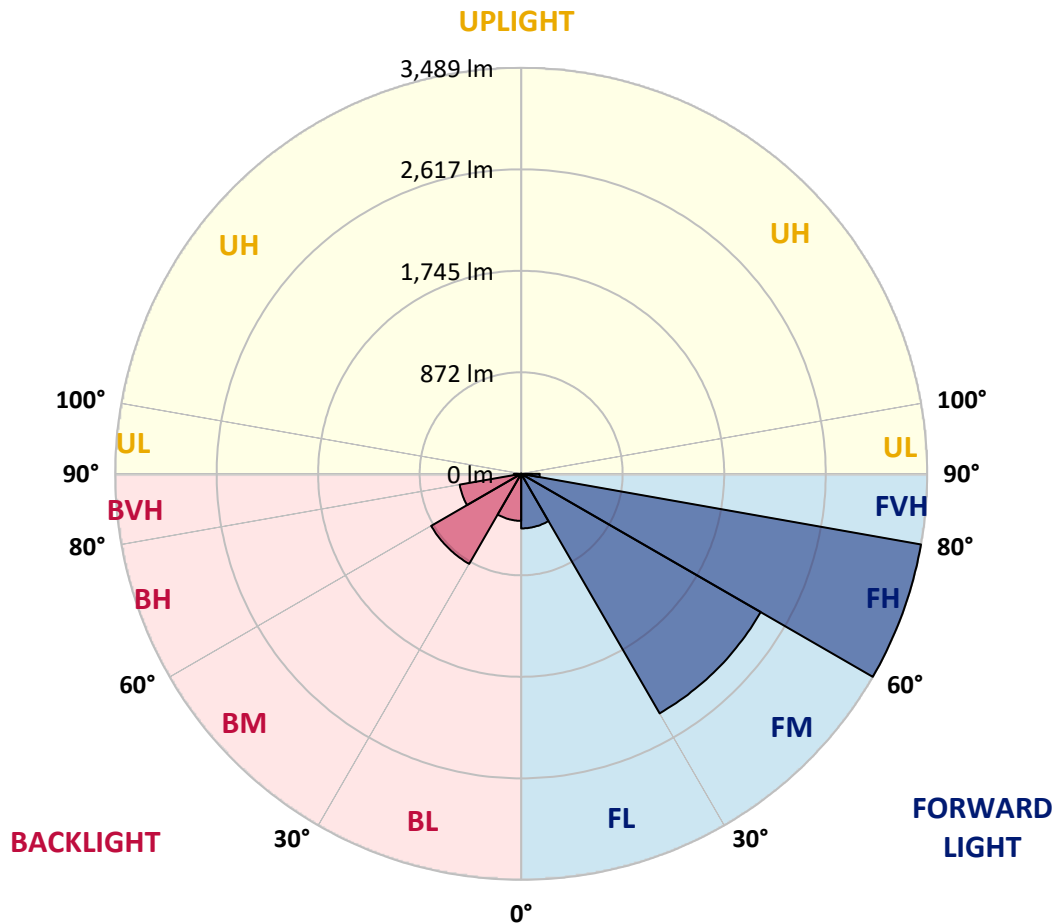
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	469.3	5.6			
FM	(30°-60°)	2377.3	28.3			
FH	(60°-80°)	3489.2	41.6			G2/5000
FVH	(80°-90°)	159.7	1.9			G2/225
BL	(0°-30°)	404.0	4.8	B1/500		
BM	(30°-60°)	893.4	10.6	B1/1000		
BH	(60°-80°)	537.1	6.4	B2/1000		G2/1000
BVH	(80°-90°)	62.9	0.7			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°	45°	46°	55°	65°	75°
0°	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7
2.5°	879.9	885.6	880.3	875.4	873.2	867.5	867.0	863.5	861.3	855.1
5°	941.3	948.8	940.0	930.3	921.4	907.3	905.5	895.3	883.8	870.6
7.5°	1010.7	1017.4	1007.2	992.6	977.1	953.7	953.2	934.7	916.5	894.0
10°	1071.3	1080.1	1066.4	1046.5	1027.1	1000.6	997.5	976.2	953.2	924.1
12.5°	1124.8	1131.0	1117.7	1093.4	1070.9	1044.3	1040.3	1016.9	991.3	958.1
15°	1167.2	1175.2	1157.5	1131.4	1107.6	1081.5	1077.9	1056.7	1031.1	996.1
17.5°	1195.1	1201.7	1183.6	1154.4	1131.4	1109.8	1107.1	1089.4	1066.9	1031.5
20°	1205.7	1212.8	1193.8	1164.1	1142.9	1126.1	1124.8	1112.0	1096.5	1064.2
22.5°	1216.3	1222.9	1198.2	1167.2	1148.7	1138.1	1137.6	1129.2	1123.0	1096.5
25°	1259.2	1261.0	1227.8	1183.2	1156.6	1147.3	1146.9	1146.5	1149.1	1128.3
27.5°	1296.3	1295.9	1267.6	1225.6	1184.5	1165.0	1164.6	1169.0	1177.4	1160.2
30°	1350.7	1345.9	1312.3	1268.5	1230.9	1200.8	1198.2	1194.2	1200.8	1187.1
32.5°	1466.1	1450.6	1396.3	1318.4	1269.4	1246.4	1242.8	1218.1	1220.7	1212.3
35°	1631.5	1611.1	1538.6	1413.1	1317.1	1284.4	1282.6	1251.2	1245.9	1238.4
37.5°	1828.2	1803.0	1718.6	1550.1	1399.4	1328.6	1326.0	1297.7	1276.0	1268.0
40°	2025.9	1994.0	1924.2	1717.3	1520.5	1402.5	1394.1	1351.2	1326.4	1313.1
42.5°	2217.8	2191.2	2131.5	1904.7	1669.9	1510.3	1491.8	1418.4	1399.8	1387.4
45°	2387.5	2363.7	2319.9	2105.0	1845.0	1657.1	1639.0	1519.2	1513.4	1513.4
47.5°	2525.5	2520.2	2473.8	2309.3	2051.5	1824.3	1792.9	1659.3	1674.8	1698.7
50°	2678.5	2663.9	2614.3	2510.4	2294.2	2015.7	1990.1	1831.3	1889.2	1954.7
52.5°	2819.1	2827.0	2771.8	2720.0	2568.4	2229.2	2184.2	2034.3	2159.4	2267.7
55°	2963.6	2964.1	2948.6	2941.5	2855.8	2465.4	2415.8	2278.3	2477.3	2611.7
57.5°	3099.4	3100.3	3123.2	3185.6	3189.1	2737.7	2681.6	2578.1	2830.6	2967.6
60°	3220.5	3226.7	3289.5	3435.4	3482.3	3049.9	2996.8	2932.2	3195.8	3333.7
62.5°	3261.2	3283.7	3423.5	3630.8	3771.9	3432.7	3380.6	3342.1	3579.5	3707.8
65°	3192.2	3244.0	3514.1	3792.2	4069.9	3887.7	3836.0	3794.0	3978.3	4099.0
67.5°	3022.9	3089.6	3508.8	3961.5	4431.5	4435.1	4386.9	4288.3	4405.9	4452.3
70°	2576.8	2676.7	3199.7	4024.8	4846.7	5183.6	5137.2	4883.4	4832.5	4607.9
72.5°	1660.2	1794.6	2356.1	3504.4	4939.1	5887.9	5885.3	5420.6	4967.4	4305.5
75°	605.7	688.0	1094.7	2199.6	4145.9	5852.1	5869.4	5328.6	4534.5	3325.7
77.5°	220.6	241.4	357.2	845.4	2549.8	4695.5	4731.3	4260.0	3227.6	1669.1
80°	115.8	127.3	183.0	328.1	1092.5	2788.6	2844.7	2531.7	1517.0	502.7
82.5°	64.1	69.4	102.6	178.2	492.1	1192.4	1226.0	1000.1	533.7	213.1
85°	34.5	36.7	48.2	97.3	240.5	413.4	422.7	298.9	212.7	125.1
87.5°	10.2	12.4	15.9	30.9	94.2	92.8	95.1	59.2	84.0	63.2
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°
846.7	0°	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7	846.7
853.3	2.5°	850.7	849.3	844.5	842.3	839.6	839.2	841.4	841.8	842.3	842.7
863.0	5°	858.6	854.2	849.8	847.1	848.0	848.5	852.9	856.0	858.2	860.0
881.2	7.5°	874.1	870.6	863.0	862.6	863.9	867.9	873.7	880.7	884.7	887.8
904.6	10°	897.1	890.5	881.6	882.9	885.6	891.3	903.3	909.0	915.7	921.4
933.3	12.5°	920.5	914.8	904.6	905.5	909.9	920.1	931.6	938.7	943.1	947.5
964.3	15°	951.0	940.9	929.8	929.8	937.8	948.8	954.1	959.9	962.5	967.4
997.5	17.5°	982.4	969.2	954.6	953.7	963.4	968.7	971.8	972.7	973.6	978.9
1029.7	20°	1013.8	999.2	978.4	976.7	978.9	978.0	977.6	976.7	978.0	984.6
1062.9	22.5°	1044.8	1028.0	999.2	991.3	985.1	976.7	976.2	975.8	976.7	983.3
1098.7	25°	1081.0	1060.7	1022.2	998.3	977.6	966.1	967.4	967.8	968.7	974.0
1135.8	27.5°	1120.4	1097.8	1043.4	996.1	958.6	950.6	948.4	949.7	952.8	961.2
1173.0	30°	1159.7	1133.2	1062.9	987.3	934.7	923.6	916.5	919.6	929.4	937.8
1205.3	32.5°	1195.5	1169.0	1078.4	967.8	904.2	886.9	877.6	881.6	891.3	894.4
1241.1	35°	1237.5	1207.5	1085.0	936.9	871.0	844.5	832.1	826.4	831.2	828.1
1283.1	37.5°	1284.4	1253.0	1084.1	896.2	832.1	801.6	784.3	762.7	752.5	741.9
1345.0	40°	1353.8	1308.7	1073.5	847.1	783.9	756.1	725.1	688.4	665.4	644.6
1444.9	42.5°	1448.4	1386.1	1054.1	793.2	729.5	703.4	661.4	618.5	582.3	547.8
1596.6	45°	1589.5	1487.3	1029.7	735.7	670.7	645.1	599.5	551.3	510.2	466.0
1811.9	47.5°	1792.9	1623.5	1006.7	670.3	608.8	585.4	544.3	499.6	451.0	408.1
2123.1	50°	2072.3	1818.9	985.5	606.6	547.8	530.1	497.4	451.9	402.8	368.3
2487.9	52.5°	2427.8	2084.7	976.7	545.2	490.8	484.1	458.1	415.6	369.2	340.0
2913.2	55°	2835.9	2402.6	976.7	486.3	440.8	443.0	424.9	385.5	345.3	319.2
3351.8	57.5°	3252.4	2724.4	959.0	432.0	398.4	407.6	396.2	361.7	325.4	298.4
3813.0	60°	3636.1	2994.1	887.4	382.4	360.8	375.4	367.9	338.2	294.0	271.5
4198.5	62.5°	3931.0	3146.2	749.4	343.1	329.8	346.6	342.7	307.3	288.3	279.0
4515.1	65°	4078.7	3121.5	573.0	308.2	303.7	329.8	321.4	320.1	305.1	294.5
4618.1	67.5°	3988.1	2908.4	415.6	282.5	288.7	314.4	346.6	351.9	324.1	303.3
4328.1	70°	3590.6	2522.8	309.5	258.2	269.7	314.8	395.3	368.3	317.9	293.6
3471.2	72.5°	2731.5	1881.3	240.1	232.6	244.9	317.0	416.9	360.8	300.2	324.5
2162.5	75°	1562.1	1032.8	192.8	201.2	214.0	296.2	405.9	341.3	286.5	298.0
856.9	77.5°	595.6	397.0	159.2	170.2	172.0	258.6	388.2	340.0	272.8	266.2
256.9	80°	206.5	155.2	131.8	135.3	133.1	229.9	372.3	295.8	223.3	199.8
106.1	82.5°	84.4	77.4	104.3	99.9	94.6	178.6	300.7	241.8	182.6	161.4
51.3	85°	36.7	49.1	69.0	60.6	54.8	123.8	241.0	204.7	154.3	133.1
16.8	87.5°	7.5	18.6	29.2	27.4	28.3	82.7	171.1	145.5	109.2	81.8
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°
846.7
844.5
860.8
888.7
920.1
949.3
969.2
980.7
987.3
987.7
981.1
969.6
947.1
905.5
837.8
748.5
646.0
544.7
460.7
403.2
366.1
337.8
316.6
294.0
267.9
275.9
290.9
299.8
289.6
321.9
298.0
242.7
193.2
159.6
132.6
64.1
0.0

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