

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: P846053

Luminaire Tested: **GLAN-SB1C-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB1C-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7173 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

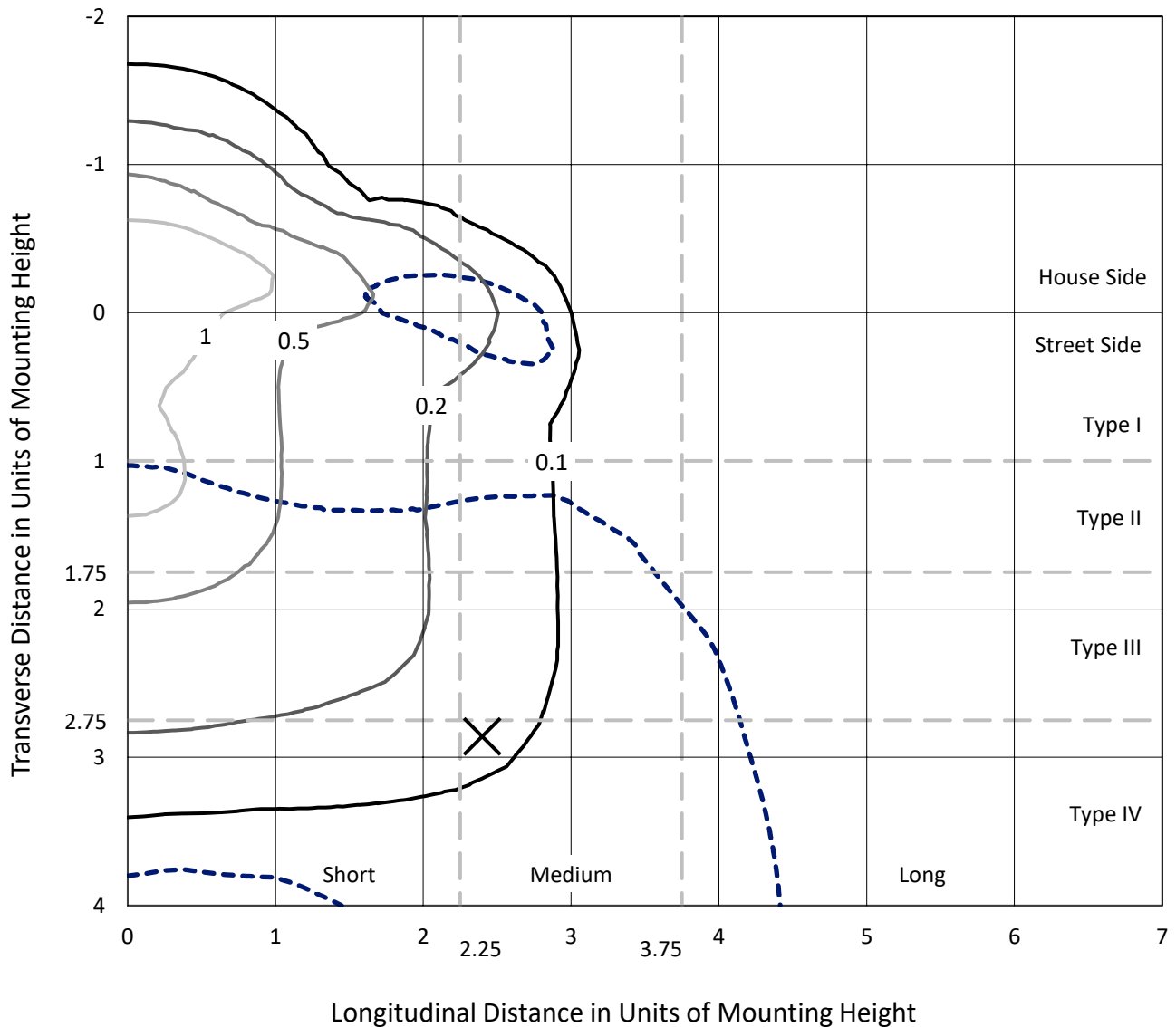
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

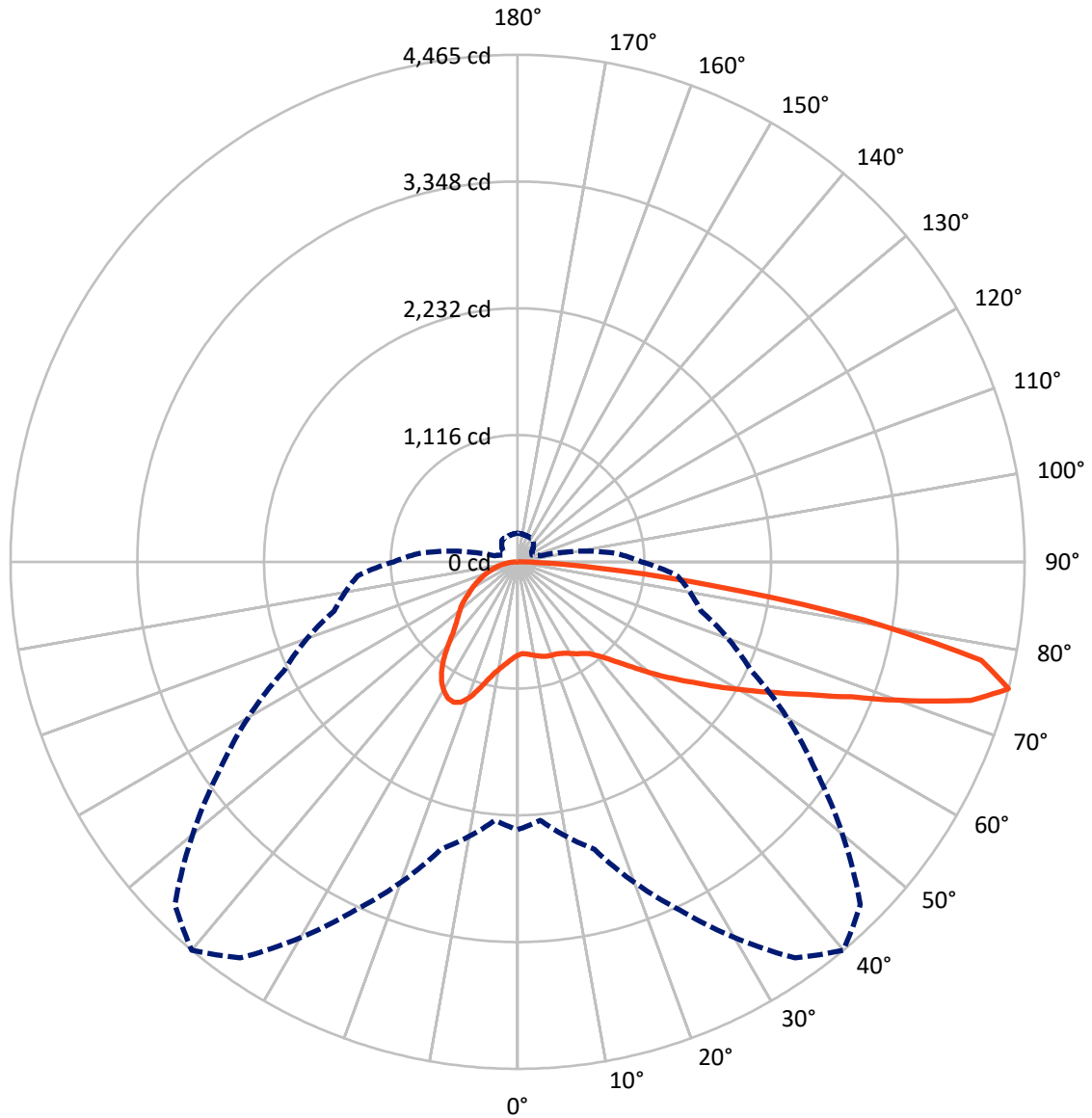
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2222.4	0.0	2222.4
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	4950.6	0.0	4950.6
	% Fixture	69.0	0.0	69.0
Total	Lumens	7173.0	0.0	7173.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.9	1.1
10°-20°	274.9	3.8
20°-30°	501.9	7.0
30°-40°	711.9	9.9
40°-50°	961.3	13.4
50°-60°	1293.1	18.0
60°-70°	1641.3	22.9
70°-80°	1489.6	20.8
80°-90°	217.1	3.0
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°	7173.0	100.0
0°-180°	7173.0	100.0

Coefficient of Utilization

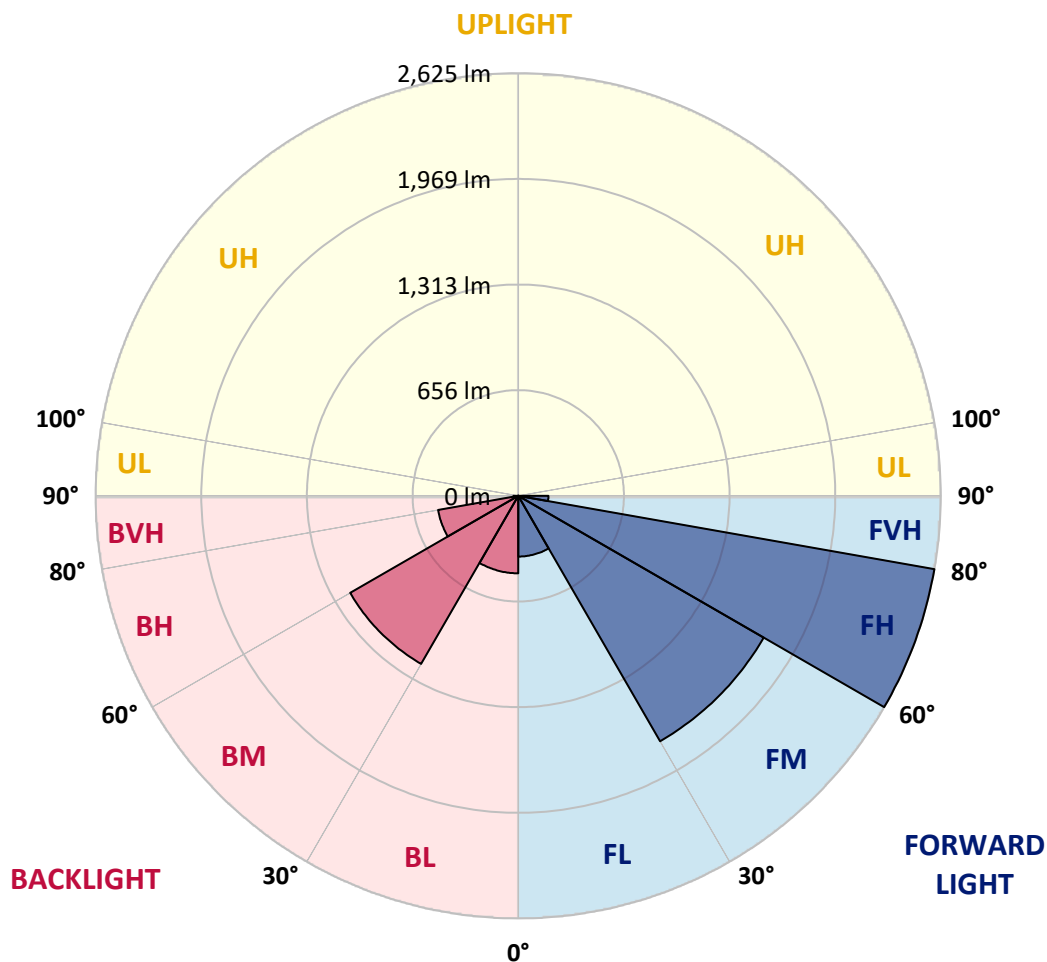


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	377.3	5.3			
FM (30°-60°)	1760.8	24.5			
FH (60°-80°)	2625.2	36.6			G2/5000
FVH (80°-90°)	187.2	2.6			G2/225
BL (0°-30°)	481.4	6.7	B1/500		
BM (30°-60°)	1205.5	16.8	B2/2500		
BH (60°-80°)	505.7	7.0	B2/1000		G2/1000
BVH (80°-90°)	29.9	0.4			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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2
2.5°	807.7	812.3	811.1	809.6	809.6	810.0	809.6	812.3	814.9	817.6
5°	816.1	820.6	818.3	816.4	814.9	814.5	813.4	813.0	814.5	818.0
7.5°	832.4	837.0	833.6	830.1	827.1	825.6	824.0	821.8	820.6	822.5
10°	850.7	855.2	851.1	845.0	840.0	838.1	836.6	834.3	832.8	833.9
12.5°	868.9	873.5	867.8	859.4	853.0	851.8	849.9	849.2	848.8	848.4
15°	886.1	889.9	882.6	872.7	865.9	864.0	862.1	863.2	865.1	867.4
17.5°	899.4	903.2	892.5	879.6	873.1	872.4	871.2	875.0	880.4	886.1
20°	911.5	915.4	901.7	884.2	876.5	876.5	876.9	884.9	892.5	900.9
22.5°	928.7	931.7	915.0	891.0	880.0	880.7	883.8	891.8	901.3	912.7
25°	954.2	956.4	935.9	903.9	891.4	893.7	896.3	900.1	909.3	922.6
27.5°	995.2	997.1	970.1	926.8	907.7	911.5	915.4	912.7	916.9	928.3
30°	1053.1	1054.2	1020.0	962.5	935.5	937.4	938.2	927.1	919.2	928.3
32.5°	1121.6	1121.2	1080.5	1005.9	967.1	965.2	958.7	937.0	918.4	926.4
35°	1227.7	1223.5	1171.0	1066.8	1002.9	991.1	975.8	948.1	922.2	924.5
37.5°	1403.5	1390.5	1317.9	1166.4	1056.1	1026.1	1003.6	966.0	930.6	923.7
40°	1601.7	1585.3	1505.4	1303.0	1136.0	1087.7	1051.6	991.4	944.3	927.1
42.5°	1836.8	1813.6	1727.6	1464.0	1237.2	1167.2	1112.8	1023.8	964.4	938.2
45°	2125.6	2094.7	1973.0	1645.4	1364.7	1271.5	1198.8	1072.9	995.2	959.5
47.5°	2417.4	2425.0	2251.9	1853.2	1517.6	1400.0	1306.5	1146.7	1040.1	993.7
50°	2727.4	2732.7	2529.2	2083.3	1691.1	1545.4	1427.4	1229.2	1102.5	1042.4
52.5°	2969.4	2970.1	2781.1	2324.1	1871.8	1705.2	1557.9	1323.6	1174.8	1107.1
55°	3120.8	3118.9	2957.6	2552.0	2079.5	1872.9	1702.5	1430.9	1263.1	1183.2
57.5°	3230.7	3225.0	3079.3	2748.0	2300.9	2071.1	1866.1	1552.6	1367.3	1273.7
60°	3272.6	3269.2	3161.9	2917.3	2533.8	2290.3	2054.8	1688.8	1485.6	1380.6
62.5°	3288.6	3295.0	3242.9	3081.2	2783.0	2533.0	2262.1	1851.6	1618.8	1501.6
65°	3344.9	3356.7	3346.0	3295.8	3064.5	2817.2	2537.2	2045.3	1764.1	1631.4
67.5°	3456.4	3468.1	3472.7	3552.6	3408.4	3171.4	2880.4	2286.5	1934.2	1766.0
70°	3453.7	3450.3	3530.9	3756.9	3839.1	3661.8	3343.0	2583.2	2137.0	1877.9
72.5°	3143.6	3116.2	3306.8	3754.6	4197.5	4173.9	3907.9	2966.0	2312.0	1891.6
75°	2358.4	2285.3	2622.0	3383.7	4257.2	4464.5	4267.1	3203.4	2270.5	1671.3
77.5°	1008.6	935.1	1331.9	2504.9	3810.2	4173.5	3937.6	2794.8	1812.4	1105.2
80°	264.0	263.6	402.5	1135.6	2591.2	3082.0	2703.8	1804.8	1035.6	394.9
82.5°	109.2	106.5	148.0	441.7	1266.1	1729.5	1411.5	805.0	374.0	106.9
85°	40.7	40.3	71.9	152.6	446.6	713.3	516.3	205.8	93.2	52.1
87.5°	11.4	11.0	15.6	52.9	108.8	165.1	88.3	33.9	26.3	20.5
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°
820.2	0°	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2
821.8	2.5°	822.9	824.8	828.2	830.9	834.3	838.1	843.4	846.9	850.3	852.6
823.7	5°	826.3	830.5	839.3	848.0	858.3	867.8	878.8	886.8	893.3	895.2
830.5	7.5°	833.9	840.8	855.6	870.5	886.8	902.4	918.4	932.1	943.1	947.3
842.7	10°	847.3	856.4	877.3	898.2	919.9	943.9	964.4	984.2	999.8	1006.3
857.1	12.5°	864.0	875.4	902.8	931.7	961.8	994.9	1021.5	1045.8	1065.2	1074.0
877.3	15°	885.7	900.5	935.5	974.3	1018.5	1064.5	1098.3	1125.4	1147.0	1157.7
898.2	17.5°	909.3	929.0	973.2	1031.8	1094.9	1155.4	1195.0	1214.8	1237.2	1247.5
917.6	20°	932.1	956.4	1019.6	1104.8	1188.9	1253.2	1285.1	1290.5	1292.0	1293.1
935.9	22.5°	955.7	988.4	1077.8	1196.9	1287.0	1331.6	1336.1	1313.3	1281.3	1266.5
953.8	25°	981.6	1024.9	1153.9	1298.5	1371.5	1376.8	1341.8	1286.3	1225.8	1198.0
968.2	27.5°	1006.7	1067.2	1245.2	1395.5	1432.4	1385.6	1310.3	1231.5	1158.5	1129.2
978.5	30°	1031.8	1115.5	1346.0	1480.3	1460.2	1363.9	1260.4	1172.5	1099.1	1068.3
987.6	32.5°	1057.3	1171.8	1462.1	1541.6	1455.2	1317.9	1198.4	1106.3	1041.7	1009.3
995.6	35°	1086.2	1241.0	1572.0	1575.0	1422.1	1250.1	1116.6	1027.2	970.9	945.0
1005.1	37.5°	1123.8	1328.9	1669.0	1583.4	1364.3	1150.8	1015.0	933.6	887.2	875.4
1019.2	40°	1170.6	1434.7	1743.2	1570.1	1278.7	1030.2	903.9	838.9	812.6	815.3
1038.2	42.5°	1231.5	1553.0	1795.3	1535.9	1159.6	905.8	806.5	777.6	790.2	800.8
1066.8	45°	1310.6	1675.9	1827.7	1477.7	1024.9	800.5	749.1	755.9	765.5	766.6
1112.8	47.5°	1411.8	1800.3	1849.0	1389.8	887.6	726.3	712.6	714.1	712.2	704.2
1181.7	50°	1538.1	1921.3	1868.0	1273.4	770.8	679.9	661.6	656.3	630.0	604.1
1273.4	52.5°	1682.0	2032.3	1876.0	1128.8	679.9	641.1	611.4	577.9	528.8	520.8
1388.6	55°	1841.7	2135.1	1855.4	951.1	603.4	591.2	546.3	506.0	500.7	493.8
1540.4	57.5°	2032.7	2245.8	1813.6	752.9	525.0	533.0	489.3	493.8	484.3	473.7
1735.6	60°	2241.6	2360.3	1740.2	572.2	444.0	460.3	474.4	474.0	471.4	462.6
1941.4	62.5°	2429.5	2435.6	1595.6	438.3	372.8	404.0	442.5	442.1	439.8	434.9
2156.4	65°	2541.4	2424.2	1354.4	345.1	314.2	357.6	399.1	402.1	402.5	402.1
2318.1	67.5°	2521.6	2290.7	1023.4	274.7	265.9	310.4	356.1	360.3	363.3	364.1
2338.6	70°	2297.9	1997.3	667.3	219.1	222.9	269.0	315.4	319.6	322.2	325.3
2029.3	72.5°	1791.1	1468.5	382.0	177.3	185.3	233.2	275.1	280.0	281.5	287.2
1412.2	75°	1091.5	863.6	206.2	139.6	152.2	199.4	235.1	240.8	243.5	250.3
693.6	77.5°	518.9	374.0	117.6	108.8	122.5	162.8	198.6	205.1	197.8	201.6
191.4	80°	175.4	138.9	74.2	82.9	93.6	127.1	159.0	165.5	150.3	149.5
63.5	82.5°	61.3	56.3	47.2	55.2	60.5	90.9	120.2	128.6	111.9	111.5
28.5	85°	24.0	22.8	26.3	30.1	36.1	55.9	79.1	83.3	68.9	55.5
8.4	87.5°	4.9	5.3	6.5	6.8	11.0	19.4	28.5	35.0	27.8	23.6
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°
820.2
851.1
896.0
947.7
1006.7
1074.0
1156.9
1247.1
1296.2
1270.7
1202.2
1132.6
1071.7
1013.5
950.7
883.8
824.4
810.7
774.2
710.3
607.6
523.5
495.0
471.8
459.6
432.9
402.1
364.8
326.8
289.5
251.1
198.6
148.0
106.1
54.8
21.7
0.0

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