

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: P846063

Luminaire Tested: **GLAN-SB1C-735-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846063
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-735-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7287 lumens
Efficiency: N/A
Efficacy: 134.0 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

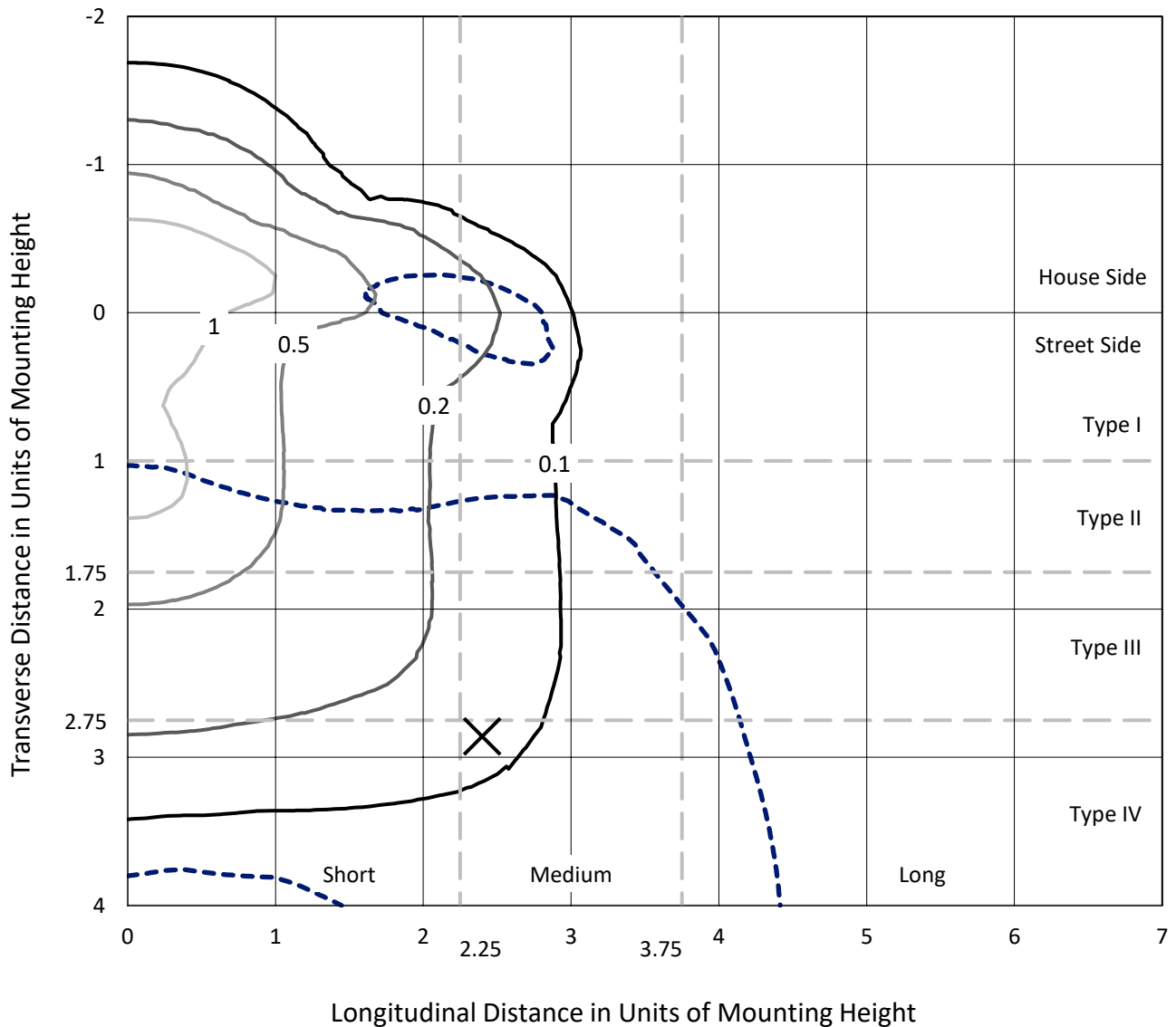
Input Watts (W): 54.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

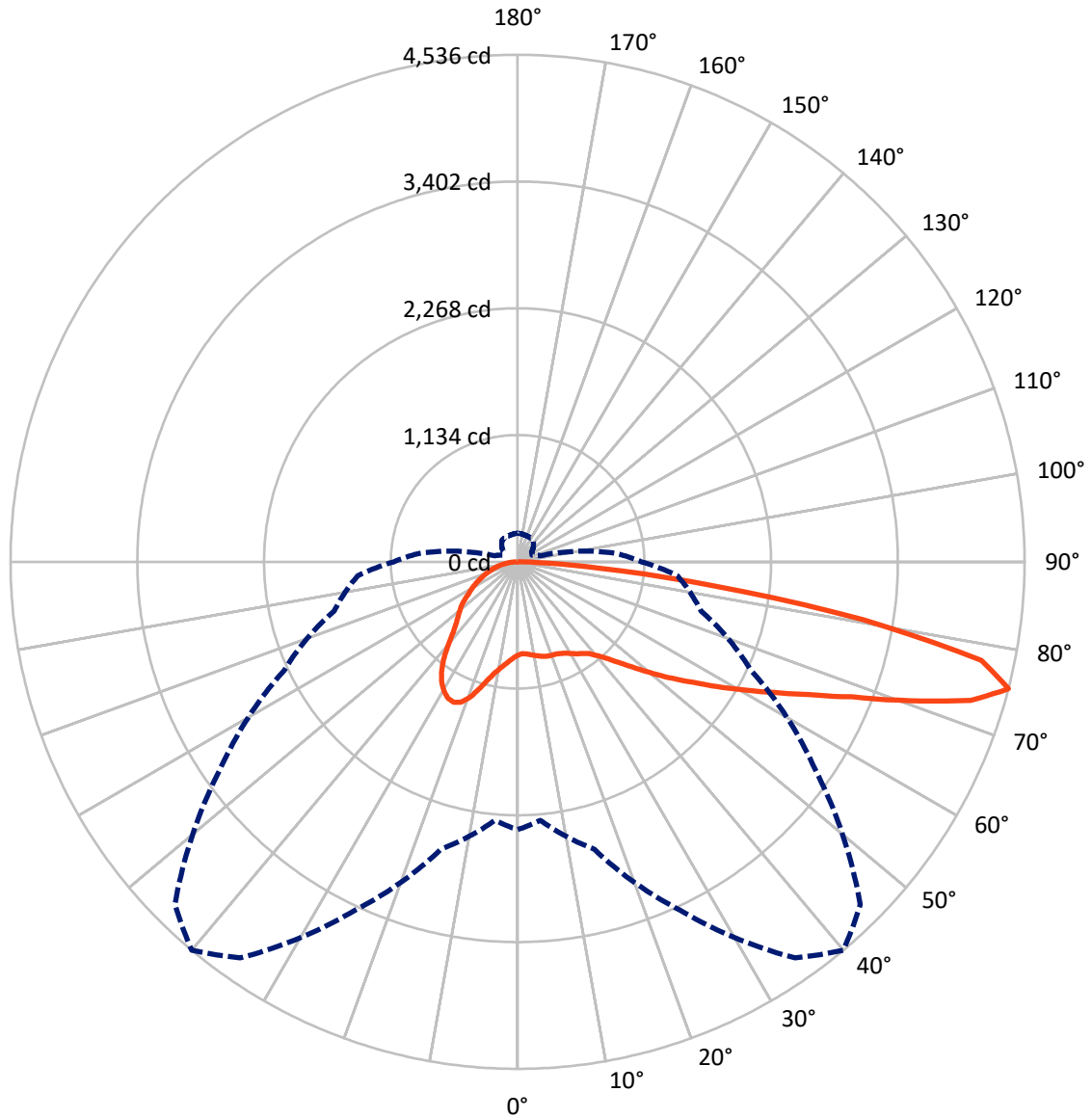
× Max cd
 - - - 1/2 Max cd



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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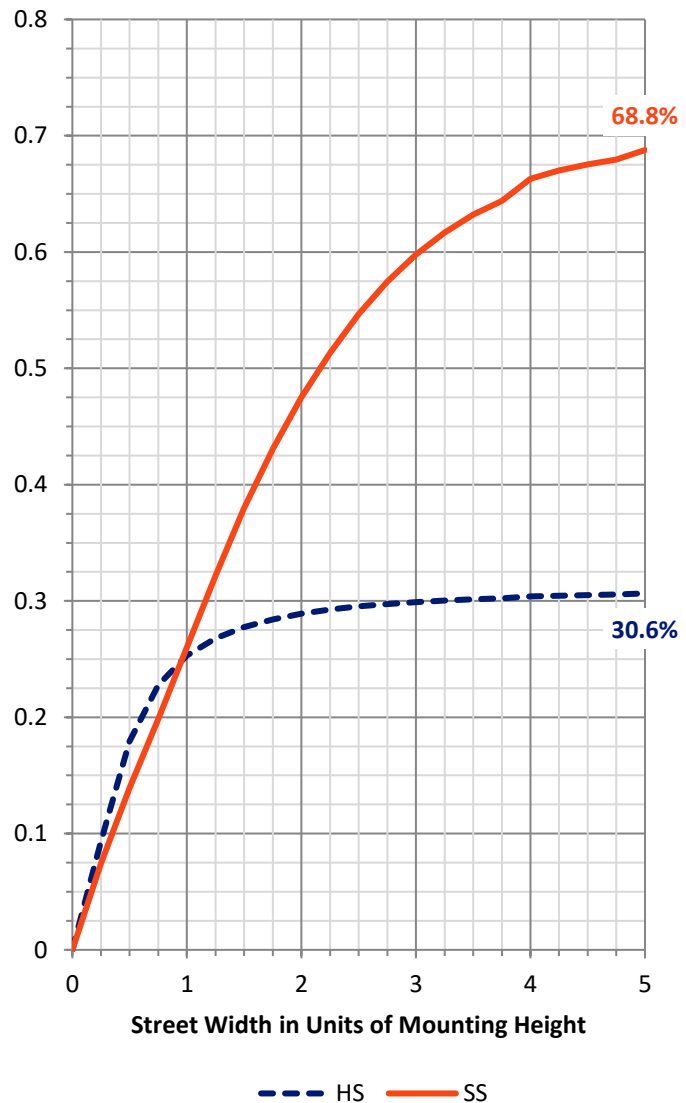
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2257.8	0.0	2257.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	5029.3	0.0	5029.3
	% Fixture	69.0	0.0	69.0
Total	Lumens	7287.0	0.0	7287.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	1.1
10°-20°	279.3	3.8
20°-30°	509.9	7.0
30°-40°	723.2	9.9
40°-50°	976.5	13.4
50°-60°	1313.7	18.0
60°-70°	1667.4	22.9
70°-80°	1513.3	20.8
80°-90°	220.6	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°	7287.0	100.0
0°-180°	7287.0	100.0

Coefficient of Utilization

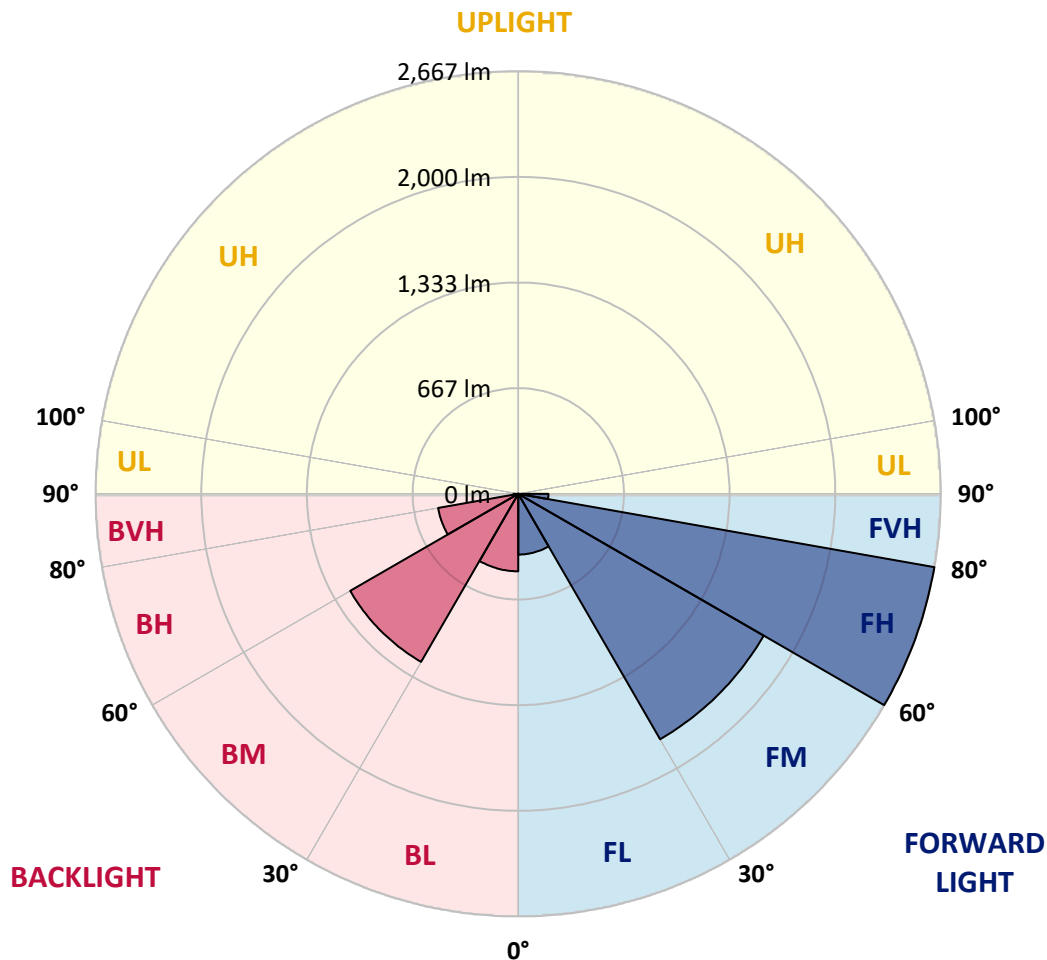


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	383.3	5.3			
FM (30°-60°)	1788.8	24.5			
FH (60°-80°)	2666.9	36.6			G2/5000
FVH (80°-90°)	190.2	2.6			G2/225
BL (0°-30°)	489.1	6.7	B1/500		
BM (30°-60°)	1224.6	16.8	B2/2500		
BH (60°-80°)	513.7	7.0	B2/1000		G2/1000
BVH (80°-90°)	30.4	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°	833.3	833.3	833.3	833.3	833.3	833.3	833.3	833.3	833.3	833.3
2.5°	820.5	825.2	824.0	822.5	822.5	822.8	822.5	825.2	827.9	830.6
5°	829.0	833.7	831.3	829.4	827.9	827.5	826.3	825.9	827.5	831.0
7.5°	845.6	850.3	846.8	843.3	840.2	838.7	837.1	834.8	833.7	835.6
10°	864.2	868.8	864.6	858.4	853.4	851.4	849.9	847.6	846.0	847.2
12.5°	882.7	887.4	881.6	873.1	866.5	865.4	863.4	862.7	862.3	861.9
15°	900.1	904.0	896.7	886.6	879.7	877.7	875.8	877.0	878.9	881.2
17.5°	913.7	917.5	906.7	893.6	887.0	886.2	885.1	888.9	894.3	900.1
20°	926.0	929.9	916.0	898.2	890.5	890.5	890.9	899.0	906.7	915.2
22.5°	943.4	946.5	929.5	905.2	894.0	894.7	897.8	905.9	915.6	927.2
25°	969.3	971.6	950.8	918.3	905.6	907.9	910.6	914.4	923.7	937.2
27.5°	1011.1	1013.0	985.6	941.5	922.2	926.0	929.9	927.2	931.4	943.0
30°	1069.8	1071.0	1036.2	977.8	950.4	952.3	953.1	941.9	933.8	943.0
32.5°	1139.4	1139.0	1097.6	1021.9	982.5	980.5	974.0	951.9	933.0	941.1
35°	1247.2	1243.0	1189.6	1083.7	1018.8	1006.8	991.4	963.1	936.9	939.2
37.5°	1425.8	1412.6	1338.8	1185.0	1072.9	1042.4	1019.6	981.3	945.4	938.4
40°	1627.1	1610.5	1529.4	1323.7	1154.1	1105.0	1068.3	1007.2	959.3	941.9
42.5°	1866.0	1842.4	1755.1	1487.2	1256.9	1185.8	1130.5	1040.1	979.8	953.1
45°	2159.3	2128.0	2004.4	1671.6	1386.3	1291.7	1217.8	1089.9	1011.1	974.7
47.5°	2455.8	2463.5	2287.7	1882.6	1541.7	1422.3	1327.2	1164.9	1056.7	1009.5
50°	2770.8	2776.2	2569.4	2116.4	1718.0	1569.9	1450.1	1248.8	1120.1	1059.0
52.5°	3016.6	3017.3	2825.3	2361.1	1901.5	1732.3	1582.7	1344.6	1193.5	1124.7
55°	3170.4	3168.5	3004.6	2592.6	2112.6	1902.7	1729.6	1453.6	1283.2	1202.0
57.5°	3282.1	3276.3	3128.3	2791.6	2337.5	2104.1	1895.7	1577.3	1389.1	1294.0
60°	3324.6	3321.1	3212.1	2963.6	2574.0	2326.7	2087.4	1715.6	1509.3	1402.6
62.5°	3340.8	3347.4	3294.5	3130.2	2827.2	2573.3	2298.1	1881.1	1644.5	1525.5
65°	3398.0	3410.0	3399.2	3348.2	3113.2	2862.0	2577.5	2077.8	1792.2	1657.3
67.5°	3511.3	3523.3	3527.9	3609.1	3462.6	3221.8	2926.1	2322.8	1964.9	1794.1
70°	3508.6	3505.1	3587.0	3816.6	3900.1	3720.0	3396.1	2624.3	2170.9	1907.7
72.5°	3193.6	3165.8	3359.4	3814.3	4264.2	4240.2	3970.1	3013.1	2348.7	1921.6
75°	2395.9	2321.7	2663.7	3437.5	4324.9	4535.5	4334.9	3254.3	2306.6	1697.9
77.5°	1024.6	950.0	1353.1	2544.7	3870.7	4239.8	4000.2	2839.2	1841.3	1122.8
80°	268.2	267.8	408.9	1153.7	2632.4	3131.0	2746.8	1833.5	1052.0	401.2
82.5°	110.9	108.2	150.3	448.7	1286.2	1757.0	1433.9	817.8	379.9	108.6
85°	41.4	41.0	73.0	155.0	453.7	724.7	524.5	209.1	94.7	52.9
87.5°	11.6	11.2	15.8	53.7	110.5	167.7	89.7	34.4	26.7	20.9
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°
833.3	0°	833.3	833.3	833.3	833.3	833.3	833.3	833.3	833.3	833.3	833.3
834.8	2.5°	836.0	837.9	841.4	844.1	847.6	851.4	856.9	860.3	863.8	866.1
836.8	5°	839.5	843.7	852.6	861.5	871.9	881.6	892.8	900.9	907.5	909.4
843.7	7.5°	847.2	854.1	869.2	884.3	900.9	916.8	933.0	946.9	958.1	962.4
856.1	10°	860.7	870.0	891.3	912.5	934.5	958.9	979.8	999.9	1015.7	1022.3
870.8	12.5°	877.7	889.3	917.1	946.5	977.1	1010.7	1037.7	1062.5	1082.2	1091.1
891.3	15°	899.8	914.8	950.4	989.8	1034.6	1081.4	1115.8	1143.2	1165.3	1176.1
912.5	17.5°	923.7	943.8	988.6	1048.2	1112.3	1173.8	1214.0	1234.1	1256.9	1267.3
932.2	20°	946.9	971.6	1035.8	1122.4	1207.8	1273.1	1305.6	1311.0	1312.5	1313.7
950.8	22.5°	970.9	1004.1	1094.9	1215.9	1307.5	1352.7	1357.4	1334.2	1301.7	1286.6
968.9	25°	997.2	1041.2	1172.2	1319.1	1393.3	1398.7	1363.2	1306.7	1245.3	1217.1
983.6	27.5°	1022.7	1084.1	1265.0	1417.7	1455.1	1407.6	1331.1	1251.1	1176.9	1147.1
994.1	30°	1048.2	1133.2	1367.4	1503.8	1483.4	1385.6	1280.5	1191.2	1116.6	1085.3
1003.3	32.5°	1074.1	1190.4	1485.3	1566.1	1478.3	1338.8	1217.5	1123.9	1058.2	1025.4
1011.5	35°	1103.4	1260.7	1597.0	1600.1	1444.7	1270.0	1134.4	1043.5	986.3	960.0
1021.1	37.5°	1141.7	1350.0	1695.5	1608.6	1386.0	1169.1	1031.2	948.5	901.3	889.3
1035.4	40°	1189.2	1457.5	1770.9	1595.1	1299.0	1046.6	918.3	852.2	825.5	828.3
1054.7	42.5°	1251.1	1577.7	1823.9	1560.3	1178.0	920.2	819.4	790.0	802.7	813.6
1083.7	45°	1331.5	1702.5	1856.7	1501.1	1041.2	813.2	761.0	768.0	777.6	778.8
1130.5	47.5°	1434.3	1828.9	1878.4	1411.9	901.7	737.8	723.9	725.4	723.5	715.4
1200.4	50°	1562.6	1951.8	1897.7	1293.6	783.0	690.7	672.1	666.7	640.0	613.8
1293.6	52.5°	1708.7	2064.6	1905.8	1146.7	690.7	651.2	621.1	587.1	537.2	529.1
1410.7	55°	1871.0	2169.0	1884.9	966.2	613.0	600.6	555.0	514.0	508.6	501.7
1564.9	57.5°	2065.0	2281.5	1842.4	764.9	533.4	541.5	497.0	501.7	492.0	481.2
1763.2	60°	2277.2	2397.8	1767.8	581.3	451.0	467.7	482.0	481.6	478.9	470.0
1972.3	62.5°	2468.1	2474.3	1621.0	445.2	378.8	410.5	449.5	449.1	446.8	441.8
2190.6	65°	2581.8	2462.7	1375.9	350.5	319.2	363.3	405.4	408.5	408.9	408.5
2354.9	67.5°	2561.7	2327.1	1039.7	279.0	270.2	315.4	361.8	366.0	369.1	369.9
2375.8	70°	2334.4	2029.1	677.9	222.6	226.5	273.3	320.4	324.7	327.4	330.5
2061.6	72.5°	1819.6	1491.9	388.0	180.1	188.2	236.9	279.4	284.5	286.0	291.8
1434.7	75°	1108.8	877.3	209.5	141.8	154.6	202.5	238.9	244.6	247.4	254.3
704.6	77.5°	527.2	379.9	119.4	110.5	124.5	165.4	201.7	208.3	201.0	204.8
194.4	80°	178.2	141.1	75.4	84.3	95.1	129.1	161.6	168.1	152.7	151.9
64.5	82.5°	62.2	57.2	47.9	56.0	61.5	92.4	122.1	130.6	113.6	113.2
29.0	85°	24.3	23.2	26.7	30.5	36.7	56.8	80.4	84.6	70.0	56.4
8.5	87.5°	5.0	5.4	6.6	7.0	11.2	19.7	29.0	35.6	28.2	24.0
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

180°
833.3
864.6
910.2
962.8
1022.7
1091.1
1175.3
1266.9
1316.8
1290.9
1221.3
1150.6
1088.7
1029.6
965.8
897.8
837.5
823.6
786.5
721.6
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479.3
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439.8
408.5
370.6
332.0
294.1
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