

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: P846453

Luminaire Tested: **GLAN-SB2A-830-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P846453
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-SB2A-830-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7635 lumens
Efficiency: N/A
Efficacy: 133.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

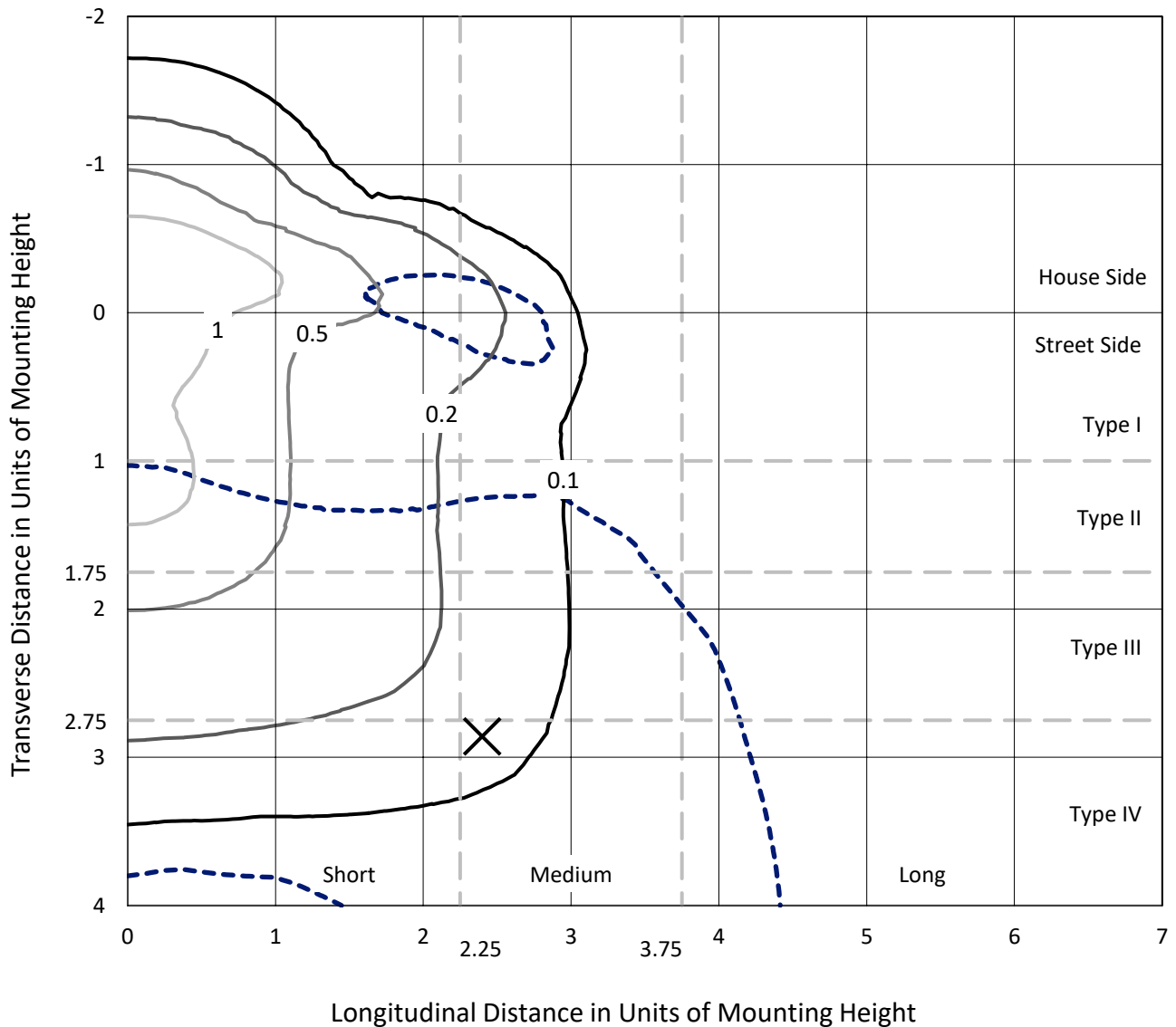
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

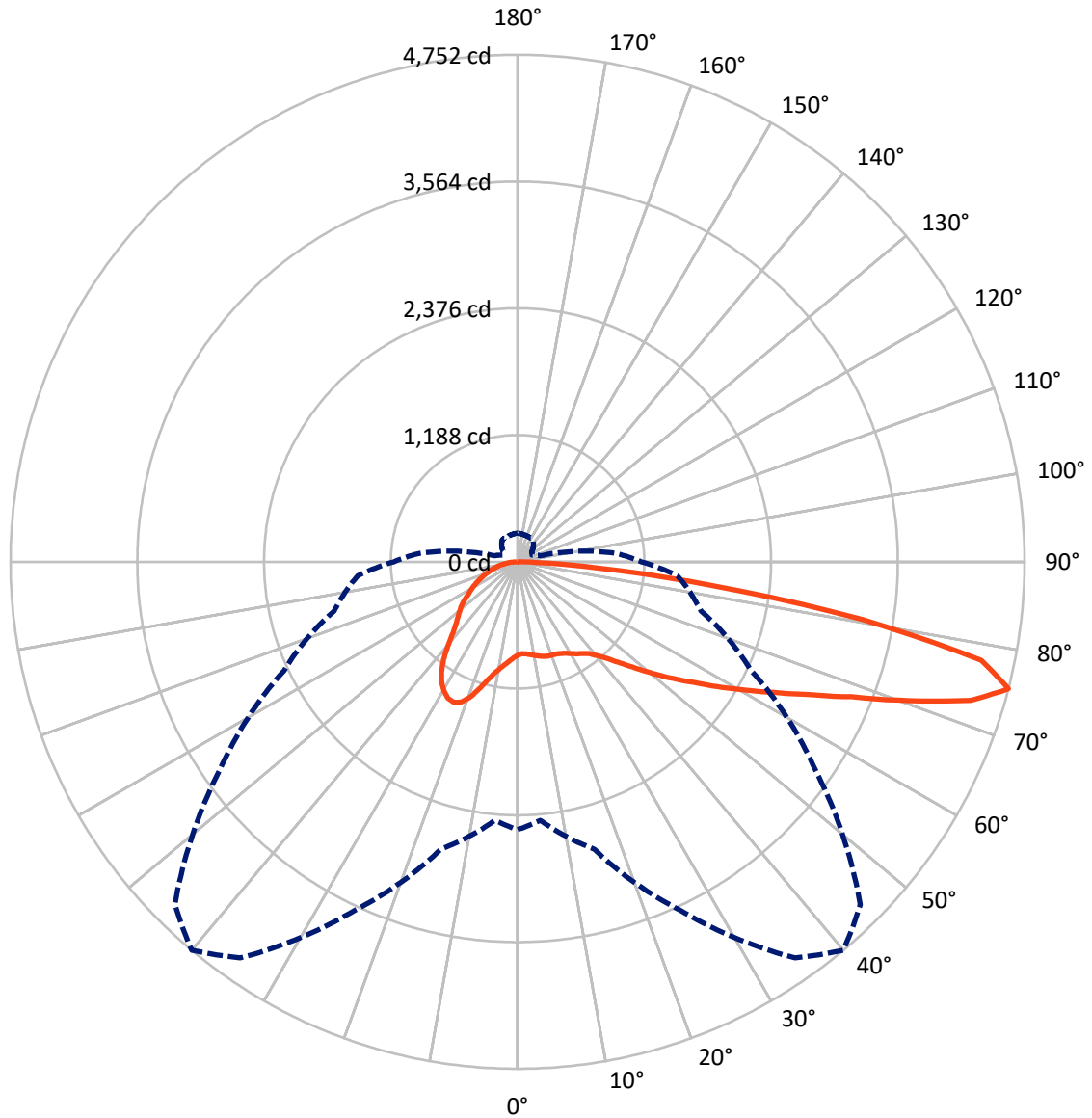
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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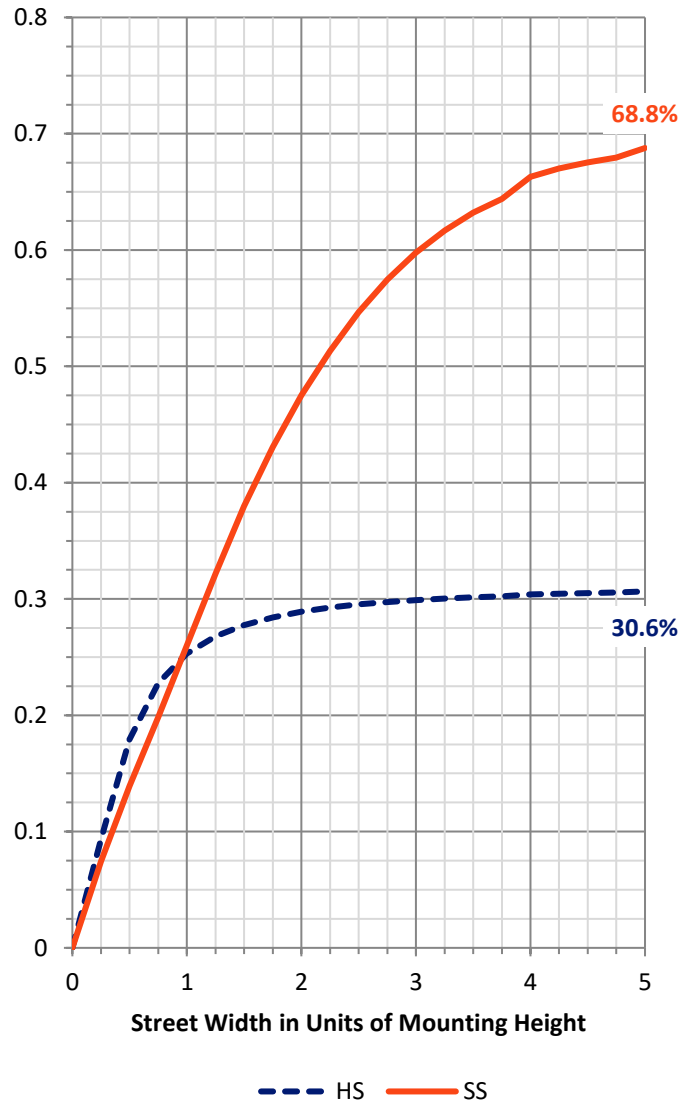
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2365.6	0.0	2365.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	5269.4	0.0	5269.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	7635.0	0.0	7635.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	1.1
10°-20°	292.6	3.8
20°-30°	534.3	7.0
30°-40°	757.7	9.9
40°-50°	1023.2	13.4
50°-60°	1376.4	18.0
60°-70°	1747.0	22.9
70°-80°	1585.5	20.8
80°-90°	231.1	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°	7635.0	100.0
0°-180°	7635.0	100.0

Coefficient of Utilization

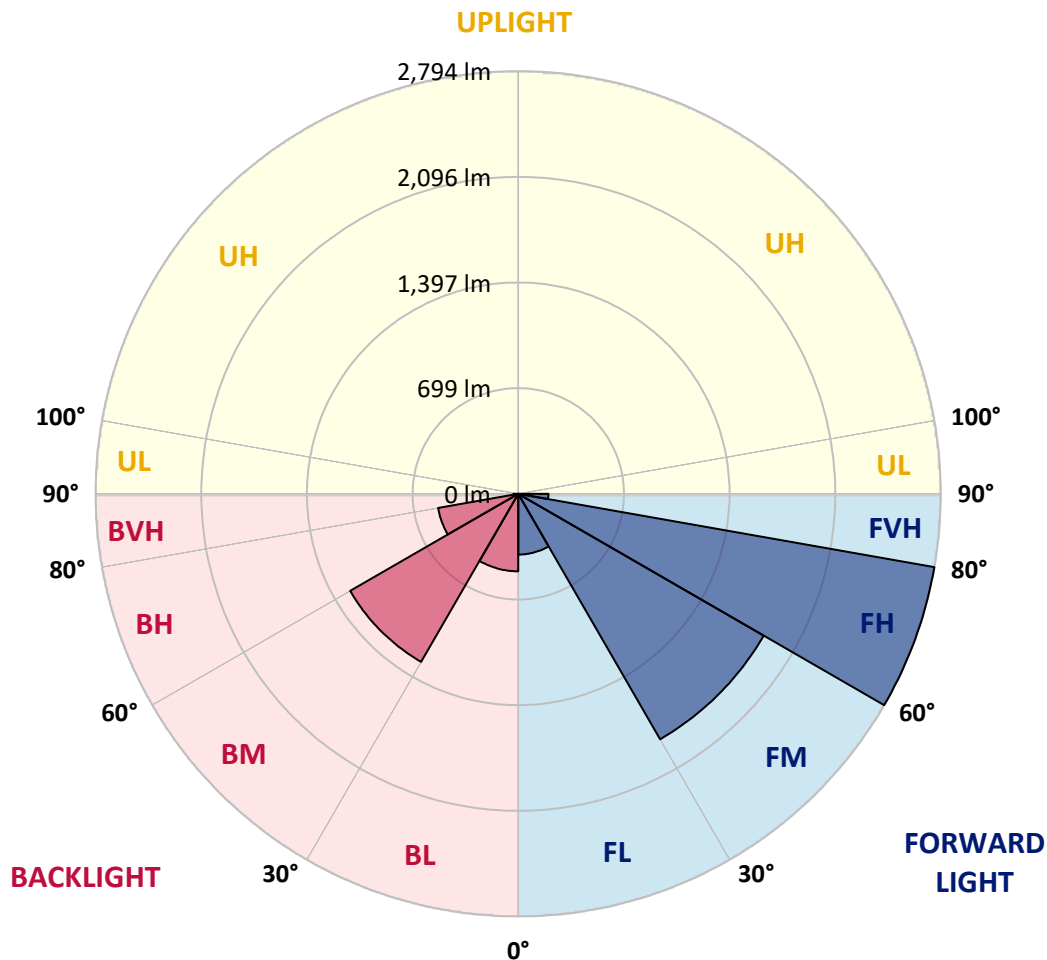


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	401.6	5.3			
FM (30°-60°)	1874.2	24.5			
FH (60°-80°)	2794.3	36.6			G2/5000
FVH (80°-90°)	199.3	2.6			G2/225
BL (0°-30°)	512.4	6.7	B2/1000		
BM (30°-60°)	1283.1	16.8	B2/2500		
BH (60°-80°)	538.2	7.0	B2/1000		G2/1000
BVH (80°-90°)	31.8	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°	873.1	873.1	873.1	873.1	873.1	873.1	873.1	873.1	873.1	873.1
2.5°	859.7	864.6	863.4	861.7	861.7	862.1	861.7	864.6	867.4	870.2
5°	868.6	873.5	871.0	869.0	867.4	867.0	865.8	865.4	867.0	870.6
7.5°	886.0	890.9	887.2	883.6	880.4	878.7	877.1	874.7	873.5	875.5
10°	905.5	910.3	905.9	899.4	894.1	892.1	890.5	888.1	886.4	887.7
12.5°	924.9	929.8	923.7	914.8	907.9	906.7	904.7	903.8	903.4	903.0
15°	943.1	947.2	939.5	929.0	921.7	919.6	917.6	918.8	920.9	923.3
17.5°	957.3	961.4	950.0	936.2	929.4	928.6	927.3	931.4	937.1	943.1
20°	970.3	974.3	959.7	941.1	933.0	933.0	933.4	941.9	950.0	958.9
22.5°	988.5	991.7	973.9	948.4	936.6	937.5	940.7	949.2	959.3	971.5
25°	1015.6	1018.0	996.2	962.2	948.8	951.2	954.1	958.1	967.8	982.0
27.5°	1059.3	1061.4	1032.6	986.5	966.2	970.3	974.3	971.5	975.9	988.1
30°	1120.9	1122.1	1085.7	1024.5	995.8	997.8	998.6	986.9	978.4	988.1
32.5°	1193.8	1193.4	1150.1	1070.7	1029.4	1027.4	1020.5	997.4	977.5	986.1
35°	1306.8	1302.3	1246.4	1135.5	1067.4	1054.9	1038.7	1009.1	981.6	984.0
37.5°	1493.9	1480.1	1402.7	1241.6	1124.1	1092.2	1068.3	1028.2	990.5	983.2
40°	1704.8	1687.4	1602.4	1387.0	1209.2	1157.8	1119.3	1055.3	1005.1	986.9
42.5°	1955.1	1930.4	1838.9	1558.2	1316.9	1242.4	1184.5	1089.7	1026.5	998.6
45°	2262.5	2229.7	2100.1	1751.4	1452.6	1353.3	1276.0	1142.0	1059.3	1021.3
47.5°	2573.1	2581.2	2396.9	1972.5	1615.3	1490.2	1390.6	1220.5	1107.1	1057.7
50°	2903.1	2908.8	2692.1	2217.5	1800.0	1644.9	1519.4	1308.4	1173.5	1109.6
52.5°	3160.6	3161.4	2960.2	2473.8	1992.4	1815.0	1658.3	1408.8	1250.5	1178.4
55°	3321.8	3319.8	3148.1	2716.4	2213.5	1993.6	1812.2	1523.0	1344.4	1259.4
57.5°	3438.8	3432.8	3277.7	2925.0	2449.1	2204.5	1986.3	1652.6	1455.4	1355.8
60°	3483.4	3479.7	3365.5	3105.2	2697.0	2437.8	2187.1	1797.6	1581.3	1469.6
62.5°	3500.4	3507.3	3451.8	3279.7	2962.2	2696.2	2407.8	1970.9	1723.1	1598.3
65°	3560.3	3572.9	3561.5	3508.1	3261.9	2998.7	2700.6	2177.0	1877.8	1736.4
67.5°	3679.0	3691.5	3696.4	3781.4	3627.9	3375.7	3065.9	2433.8	2058.8	1879.8
70°	3676.1	3672.5	3758.3	3998.9	4086.4	3897.6	3558.3	2749.6	2274.6	1998.8
72.5°	3346.1	3316.9	3519.8	3996.5	4467.8	4442.7	4159.6	3157.0	2460.9	2013.4
75°	2510.3	2432.5	2790.9	3601.6	4531.4	4752.1	4541.9	3409.7	2416.7	1778.9
77.5°	1073.5	995.4	1417.7	2666.2	4055.6	4442.3	4191.2	2974.8	1929.2	1176.4
80°	281.0	280.6	428.4	1208.8	2758.1	3280.5	2878.0	1921.1	1102.3	420.3
82.5°	116.2	113.4	157.5	470.1	1347.7	1840.9	1502.4	856.9	398.1	113.8
85°	43.3	42.9	76.5	162.4	475.4	759.3	549.5	219.1	99.2	55.5
87.5°	12.1	11.7	16.6	56.3	115.8	175.7	93.9	36.0	27.9	21.9
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°
873.1	0°	873.1	873.1	873.1	873.1	873.1	873.1	873.1	873.1	873.1	873.1
874.7	2.5°	875.9	877.9	881.6	884.4	888.1	892.1	897.8	901.4	905.1	907.5
876.7	5°	879.6	884.0	893.3	902.6	913.6	923.7	935.4	943.9	950.8	952.8
884.0	7.5°	887.7	894.9	910.7	926.5	943.9	960.5	977.5	992.1	1003.9	1008.3
897.0	10°	901.8	911.5	933.8	956.1	979.2	1004.7	1026.5	1047.6	1064.2	1071.1
912.4	12.5°	919.6	931.8	960.9	991.7	1023.7	1058.9	1087.3	1113.2	1133.9	1143.2
933.8	15°	942.7	958.5	995.8	1037.1	1084.1	1133.1	1169.1	1197.8	1220.9	1232.3
956.1	17.5°	967.8	988.9	1035.9	1098.2	1165.4	1229.8	1271.9	1293.0	1316.9	1327.8
976.7	20°	992.1	1018.0	1085.3	1176.0	1265.5	1333.9	1367.9	1373.6	1375.2	1376.4
996.2	22.5°	1017.2	1052.1	1147.2	1274.0	1369.9	1417.3	1422.2	1397.9	1363.9	1348.1
1015.2	25°	1044.8	1090.9	1228.2	1382.1	1459.8	1465.5	1428.3	1369.1	1304.7	1275.2
1030.6	27.5°	1071.5	1135.9	1325.4	1485.4	1524.6	1474.8	1394.6	1310.8	1233.1	1201.9
1041.5	30°	1098.2	1187.3	1432.7	1575.7	1554.2	1451.7	1341.6	1248.1	1169.9	1137.1
1051.3	32.5°	1125.4	1247.2	1556.2	1640.9	1548.9	1402.7	1275.6	1177.6	1108.8	1074.3
1059.8	35°	1156.1	1320.9	1673.3	1676.5	1513.7	1330.7	1188.5	1093.4	1033.4	1005.9
1069.9	37.5°	1196.2	1414.5	1776.5	1685.4	1452.2	1225.0	1080.4	993.7	944.3	931.8
1084.9	40°	1246.0	1527.1	1855.5	1671.2	1361.0	1096.6	962.2	892.9	865.0	867.8
1105.1	42.5°	1310.8	1653.0	1911.0	1634.8	1234.3	964.2	858.5	827.7	841.1	852.4
1135.5	45°	1395.1	1783.8	1945.4	1572.8	1090.9	852.0	797.3	804.6	814.8	816.0
1184.5	47.5°	1502.8	1916.2	1968.1	1479.3	944.7	773.0	758.5	760.1	758.1	749.6
1257.8	50°	1637.2	2045.0	1988.3	1355.4	820.4	723.6	704.2	698.5	670.6	643.1
1355.4	52.5°	1790.3	2163.2	1996.8	1201.5	723.6	682.3	650.8	615.1	562.9	554.4
1478.1	55°	1960.4	2272.6	1974.9	1012.4	642.3	629.3	581.5	538.6	532.9	525.6
1639.6	57.5°	2163.6	2390.4	1930.4	801.4	558.8	567.3	520.8	525.6	515.5	504.2
1847.4	60°	2386.0	2512.3	1852.2	609.0	472.6	490.0	505.0	504.6	501.7	492.4
2066.5	62.5°	2586.0	2592.5	1698.4	466.5	396.9	430.1	471.0	470.6	468.1	462.9
2295.3	65°	2705.1	2580.3	1441.6	367.3	334.5	380.7	424.8	428.0	428.4	428.0
2467.4	67.5°	2684.0	2438.2	1089.3	292.4	283.1	330.4	379.0	383.5	386.7	387.5
2489.2	70°	2445.9	2126.0	710.3	233.3	237.3	286.3	335.7	340.2	343.0	346.2
2160.0	72.5°	1906.5	1563.1	406.6	188.7	197.2	248.2	292.8	298.0	299.7	305.7
1503.2	75°	1161.8	919.2	219.5	148.6	162.0	212.2	250.3	256.3	259.2	266.5
738.2	77.5°	552.4	398.1	125.1	115.8	130.4	173.3	211.4	218.3	210.6	214.6
203.7	80°	186.7	147.8	79.0	88.3	99.6	135.3	169.3	176.2	160.0	159.1
67.6	82.5°	65.2	59.9	50.2	58.7	64.4	96.8	128.0	136.9	119.1	118.7
30.4	85°	25.5	24.3	27.9	32.0	38.5	59.5	84.2	88.7	73.3	59.1
8.9	87.5°	5.3	5.7	6.9	7.3	11.7	20.7	30.4	37.3	29.6	25.1
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°
873.1
905.9
953.7
1008.7
1071.5
1143.2
1231.5
1327.4
1379.7
1352.5
1279.6
1205.5
1140.7
1078.8
1012.0
940.7
877.5
862.9
824.1
756.0
646.7
557.2
526.8
502.1
489.2
460.8
428.0
388.3
347.9
308.2
267.3
211.4
157.5
113.0
58.3
23.1
0.0

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