

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: P852347

Luminaire Tested: **GLAN-SB3A-930-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852347  
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-SB3A-930-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

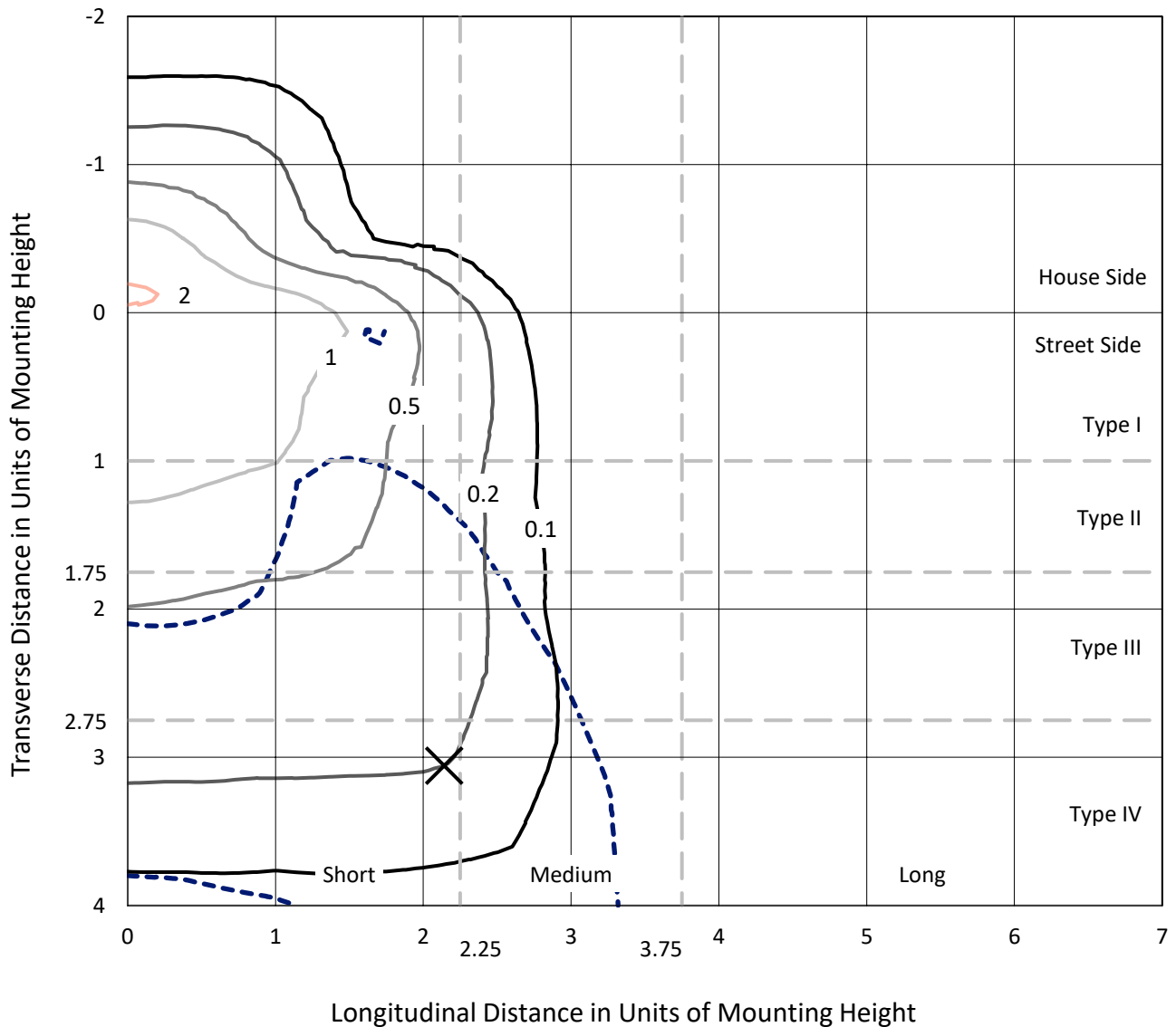
Lumens per Lamp: N/A  
Luminaire Lumens: 8974 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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

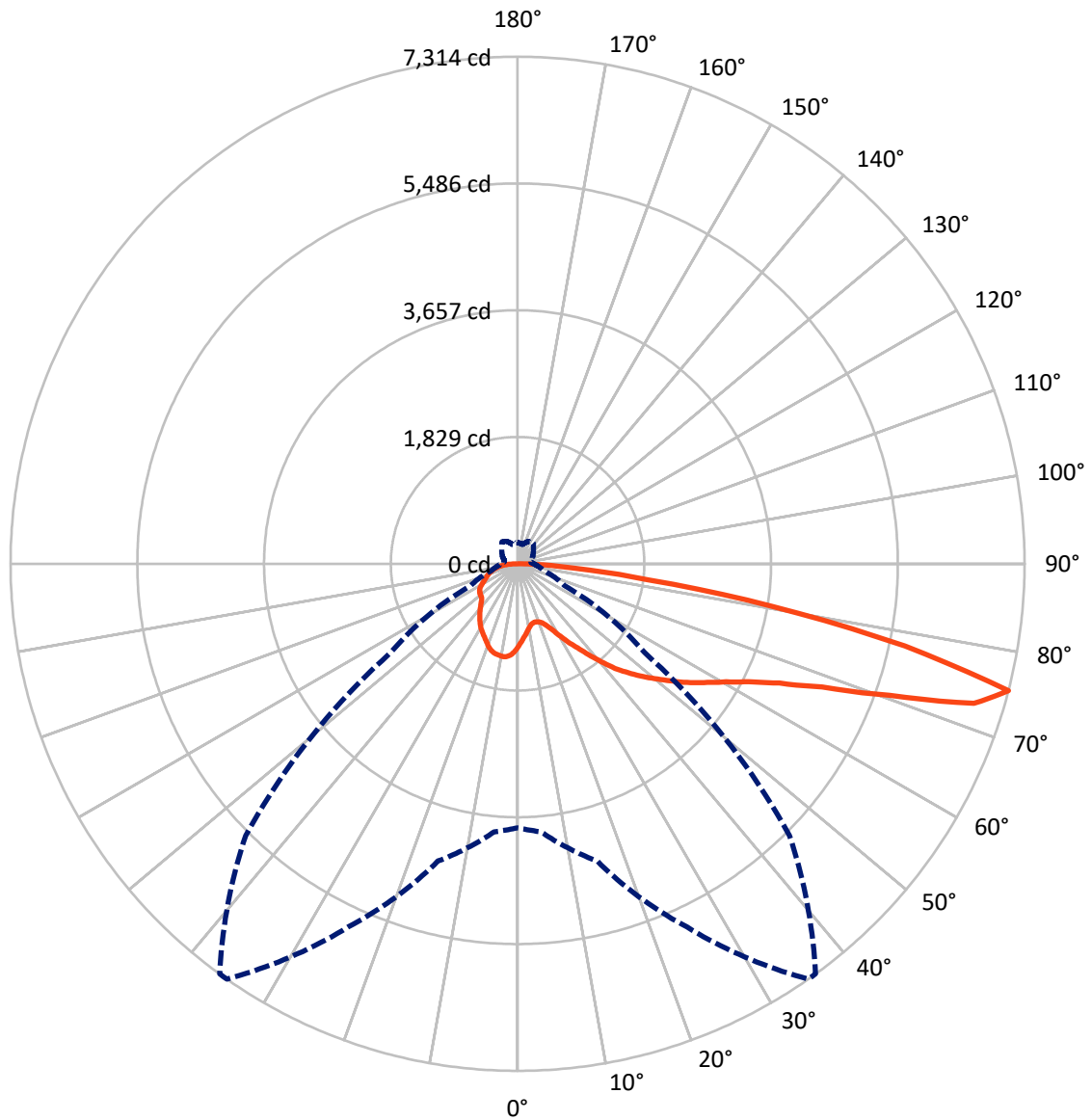
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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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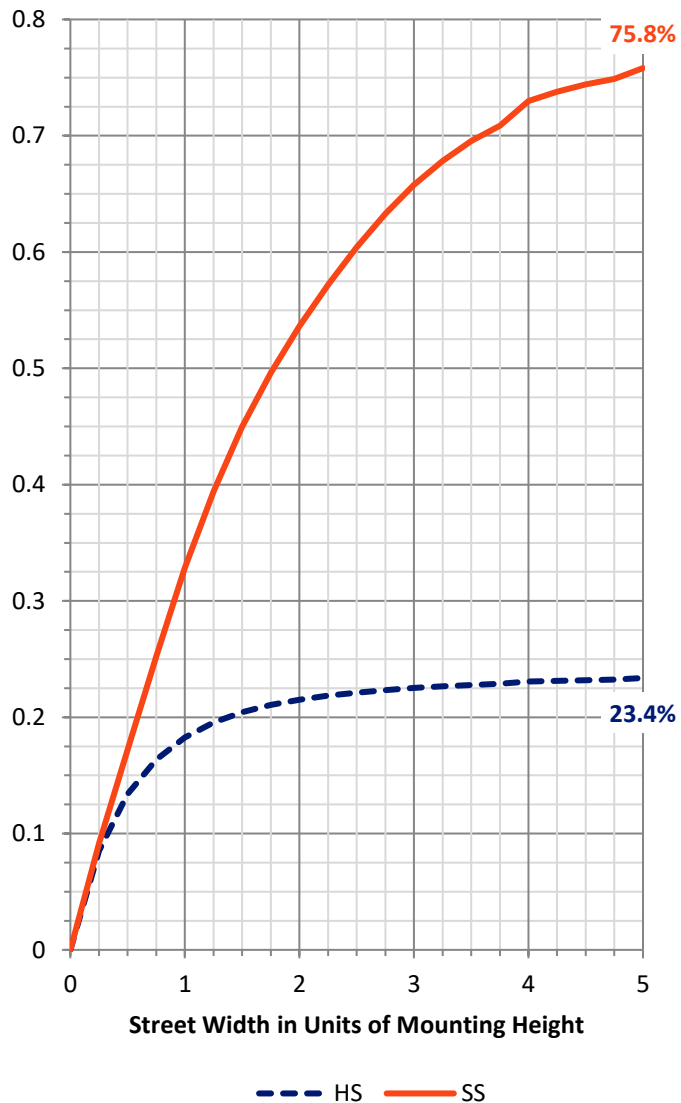
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2135.6	0.0	2135.6
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	6838.4	0.0	6838.4
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	8974.0	0.0	8974.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.2	1.3
10°-20°	326.6	3.6
20°-30°	548.4	6.1
30°-40°	852.3	9.5
40°-50°	1265.1	14.1
50°-60°	1746.5	19.5
60°-70°	2118.9	23.6
70°-80°	1751.1	19.5
80°-90°	251.9	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°	8974.0	100.0
0°-180°	8974.0	100.0

**Coefficient of Utilization**



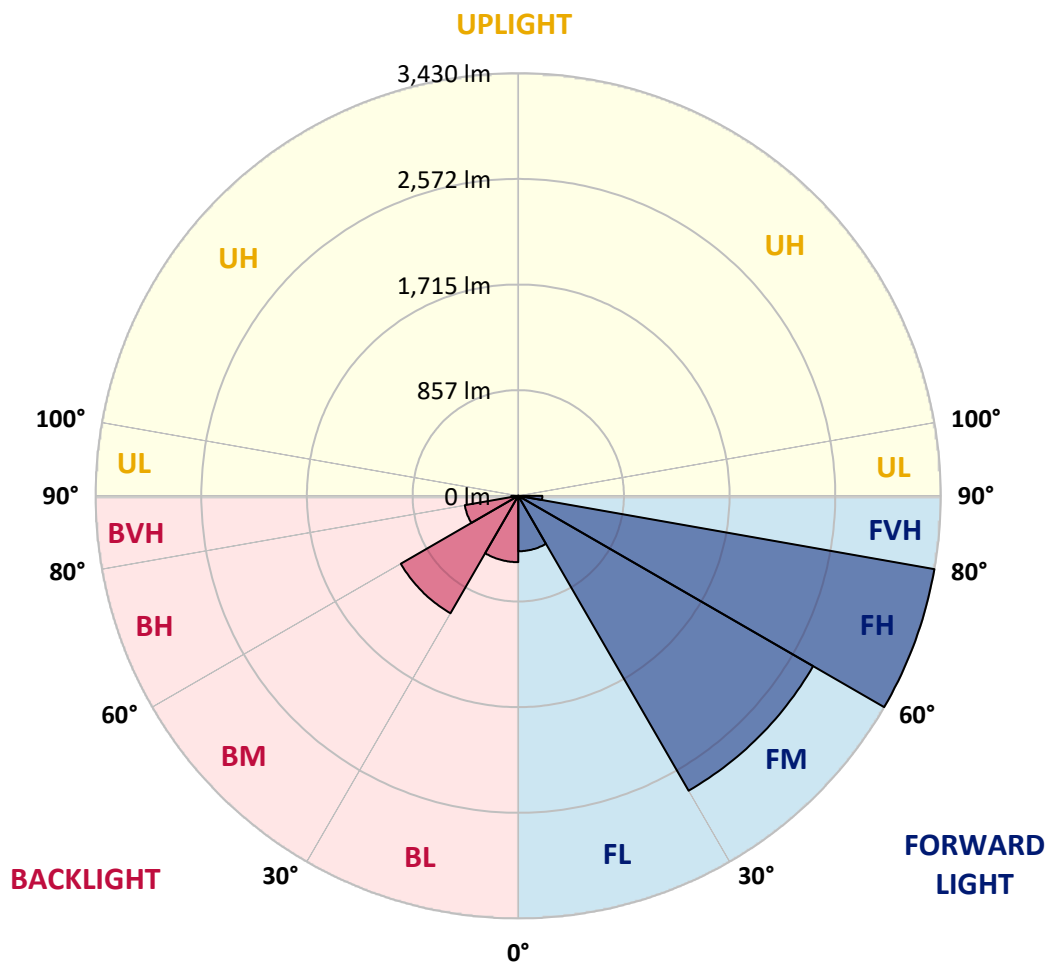
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	450.0	5.0			
FM (30°-60°)	2763.5	30.8			
FH (60°-80°)	3429.7	38.2			G2/5000
FVH (80°-90°)	195.2	2.2			G2/225
BL (0°-30°)	538.2	6.0	B2/1000		
BM (30°-60°)	1100.4	12.3	B2/2500		
BH (60°-80°)	440.3	4.9	B1/500		G1/500
BVH (80°-90°)	56.7	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°	1195.8	1195.8	1195.8	1195.8	1195.8	1195.8	1195.8	1195.8	1195.8	1195.8
2.5°	1102.7	1109.5	1112.4	1110.9	1118.2	1117.3	1127.4	1140.1	1157.5	1174.5
5°	1017.8	1025.1	1031.4	1037.2	1051.3	1055.6	1071.7	1095.9	1127.9	1160.4
7.5°	938.7	945.0	954.7	965.4	989.2	993.5	1020.2	1058.1	1102.7	1150.2
10°	874.2	880.5	890.7	902.8	932.4	937.8	971.7	1022.2	1080.4	1140.5
12.5°	846.6	848.5	854.3	866.4	892.2	895.6	932.9	990.6	1058.6	1133.3
15°	845.1	849.0	849.5	855.8	877.1	878.6	913.0	970.3	1045.0	1131.8
17.5°	859.7	862.6	858.2	862.1	880.0	882.5	909.6	960.6	1040.6	1138.1
20°	898.5	900.9	887.8	882.5	895.6	897.5	924.2	966.9	1045.0	1151.2
22.5°	980.9	982.4	950.4	928.5	929.5	930.5	953.8	992.6	1062.0	1175.0
25°	1109.5	1108.5	1057.6	1015.4	991.1	985.8	1001.3	1034.3	1090.6	1206.5
27.5°	1259.9	1252.6	1201.7	1138.6	1085.7	1078.0	1074.6	1088.6	1131.3	1248.2
30°	1429.7	1422.9	1368.1	1285.6	1212.3	1199.7	1167.7	1160.4	1192.0	1305.0
32.5°	1616.0	1611.6	1546.1	1446.2	1348.2	1333.6	1279.8	1260.4	1285.1	1390.9
35°	1772.2	1768.3	1714.0	1611.1	1491.3	1473.3	1418.5	1396.7	1409.3	1501.0
37.5°	1913.4	1911.4	1864.8	1783.8	1660.1	1638.3	1576.7	1569.4	1567.0	1646.0
40°	2044.3	2039.5	1991.0	1948.3	1856.6	1836.7	1782.4	1776.1	1757.6	1824.6
42.5°	2189.4	2176.8	2106.4	2086.5	2061.8	2045.3	2012.8	2013.8	1973.0	2025.9
45°	2307.8	2300.5	2228.2	2216.6	2243.2	2236.5	2264.6	2271.9	2192.8	2236.9
47.5°	2434.9	2428.1	2367.0	2358.7	2431.0	2432.9	2532.4	2534.8	2407.2	2456.2
50°	2591.6	2581.9	2521.2	2531.4	2612.4	2619.7	2801.6	2785.1	2604.7	2678.9
52.5°	2694.9	2700.7	2687.6	2704.1	2814.7	2821.5	3066.5	3024.3	2800.2	2898.7
55°	2771.1	2782.7	2823.5	2861.3	3028.2	3035.0	3316.4	3251.8	2962.2	3102.4
57.5°	2869.1	2852.6	2928.7	3002.5	3231.0	3248.9	3559.4	3471.1	3105.8	3278.0
60°	3009.7	2998.1	3057.3	3166.4	3458.0	3486.6	3816.5	3668.6	3211.1	3417.3
62.5°	3295.0	3265.9	3275.1	3371.7	3744.2	3782.1	4106.6	3840.8	3263.5	3471.6
65°	3721.4	3671.5	3624.9	3691.8	4147.4	4184.7	4434.1	3976.1	3244.1	3366.3
67.5°	4258.5	4209.0	4151.7	4214.8	4741.2	4770.8	4838.2	4052.3	3091.3	2960.8
70°	4701.4	4683.0	4751.4	5010.9	5689.6	5690.6	5356.3	3989.2	2672.6	2099.2
72.5°	4642.7	4631.5	4992.0	5794.4	6885.0	6859.3	5846.8	3511.9	1800.3	947.0
75°	3808.8	3881.0	4439.4	5780.3	7314.3	7310.9	5546.5	2232.6	744.7	392.5
77.5°	2042.4	2156.9	2882.2	4267.7	5710.0	5795.9	3899.5	781.1	319.7	251.3
80°	666.1	766.0	1148.8	2172.9	3710.3	3694.3	1671.3	306.6	218.8	178.0
82.5°	282.8	294.5	513.3	1026.1	1904.1	1874.5	532.2	176.1	153.8	121.8
85°	110.6	123.7	226.6	474.5	824.7	806.8	192.1	87.3	98.5	79.6
87.5°	36.4	44.1	81.0	162.5	256.6	247.4	47.1	30.1	42.7	36.4
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°
1195.8	0°	1195.8	1195.8	1195.8	1195.8	1195.8	1195.8	1195.8	1195.8	1195.8	1195.8
1199.2	2.5°	1206.0	1213.8	1223.0	1236.6	1248.2	1257.9	1268.1	1274.4	1276.9	1284.1
1201.2	5°	1214.8	1231.7	1254.5	1276.9	1298.7	1311.8	1323.4	1329.3	1334.6	1338.5
1206.5	7.5°	1229.3	1251.2	1287.1	1316.2	1334.6	1345.3	1353.0	1351.1	1353.0	1354.0
1212.3	10°	1241.9	1272.5	1315.2	1342.8	1356.9	1357.4	1355.5	1348.7	1345.3	1345.8
1221.1	12.5°	1257.0	1290.9	1337.0	1360.3	1364.2	1353.5	1345.3	1333.6	1329.3	1327.3
1234.2	15°	1277.3	1316.2	1360.8	1369.5	1359.8	1346.2	1332.2	1313.2	1303.5	1295.8
1256.5	17.5°	1302.1	1344.8	1379.2	1372.9	1352.1	1329.7	1306.9	1278.3	1258.4	1250.2
1287.1	20°	1336.5	1374.9	1393.3	1365.6	1334.1	1300.1	1261.3	1226.4	1208.0	1199.7
1325.9	22.5°	1378.3	1415.1	1406.9	1353.0	1308.4	1254.1	1205.5	1179.8	1170.6	1164.8
1375.8	25°	1428.2	1459.8	1416.6	1334.6	1266.2	1192.9	1155.6	1147.3	1143.0	1138.6
1437.0	27.5°	1493.2	1510.2	1423.9	1307.4	1200.2	1127.9	1114.3	1115.8	1114.3	1107.1
1521.9	30°	1579.1	1575.7	1430.6	1263.3	1124.5	1069.2	1070.2	1076.5	1077.5	1072.6
1640.2	32.5°	1692.1	1657.7	1434.0	1206.0	1052.2	1017.8	1018.8	1025.6	1030.4	1022.2
1795.0	35°	1828.9	1753.3	1428.7	1134.2	996.5	968.8	961.5	963.5	964.9	957.2
1982.7	37.5°	1988.5	1860.5	1404.9	1054.7	950.4	920.8	905.3	892.2	884.4	877.1
2195.2	40°	2163.7	1977.4	1361.3	977.1	898.9	869.8	846.6	821.8	795.6	785.9
2420.3	42.5°	2347.1	2097.7	1308.4	902.8	839.8	816.0	791.2	755.3	716.1	696.2
2654.1	45°	2537.2	2220.9	1256.5	829.6	779.1	768.9	740.3	697.1	654.4	629.2
2888.5	47.5°	2723.5	2337.4	1180.3	755.8	722.4	733.5	711.2	671.4	623.9	584.1
3120.8	50°	2901.6	2446.5	1055.6	681.1	676.3	722.8	701.5	644.3	589.9	539.0
3348.9	52.5°	3078.2	2534.8	896.0	613.2	651.5	719.9	688.9	625.8	559.4	506.0
3563.3	55°	3228.1	2580.4	742.2	555.0	615.6	695.2	673.8	604.0	516.2	459.4
3710.3	57.5°	3313.4	2543.5	614.2	497.7	566.1	654.4	648.1	557.4	464.8	421.1
3738.9	60°	3276.6	2394.1	509.4	447.8	519.1	610.3	603.5	511.3	425.5	384.2
3585.6	62.5°	3073.3	2109.3	426.4	404.1	476.4	565.2	558.9	475.9	395.4	355.6
3178.6	65°	2663.9	1715.9	361.9	367.7	433.2	510.8	520.1	446.3	371.6	332.8
2459.1	67.5°	2031.7	1242.9	311.5	336.2	391.0	457.5	484.2	425.0	351.7	314.8
1422.9	70°	1158.0	705.9	268.8	305.6	353.7	408.0	456.5	408.0	330.4	299.8
533.2	72.5°	439.0	324.1	232.4	275.1	317.8	366.3	425.9	381.3	305.6	282.8
275.6	75°	234.3	197.4	195.5	239.2	276.5	325.5	387.6	355.1	287.2	298.8
190.7	77.5°	159.6	139.7	163.5	204.7	231.4	280.4	346.9	315.3	248.9	247.9
132.0	80°	110.6	99.0	132.9	164.9	179.0	235.8	302.7	270.7	202.8	189.2
81.5	82.5°	66.5	64.5	99.5	123.2	126.6	181.9	250.8	227.0	165.9	144.6
48.5	85°	36.4	38.3	63.6	72.3	73.7	127.1	196.5	175.6	127.6	107.2
17.5	87.5°	10.2	13.1	23.3	28.6	35.4	66.0	116.9	104.3	64.0	44.6
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°
1195.8
1283.7
1339.4
1355.5
1346.7
1326.3
1298.2
1250.7
1198.8
1165.8
1138.6
1108.5
1075.0
1026.1
962.5
882.0
790.3
698.6
627.3
579.7
534.6
500.2
454.6
415.3
378.4
349.3
326.5
309.0
295.9
278.9
308.5
228.5
181.0
145.5
108.2
44.6
0.0

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