

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: P846308

Luminaire Tested: **GLAN-SB1D-840-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P846308  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1D-840-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9059 lumens  
Efficiency: N/A  
Efficacy: 113.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

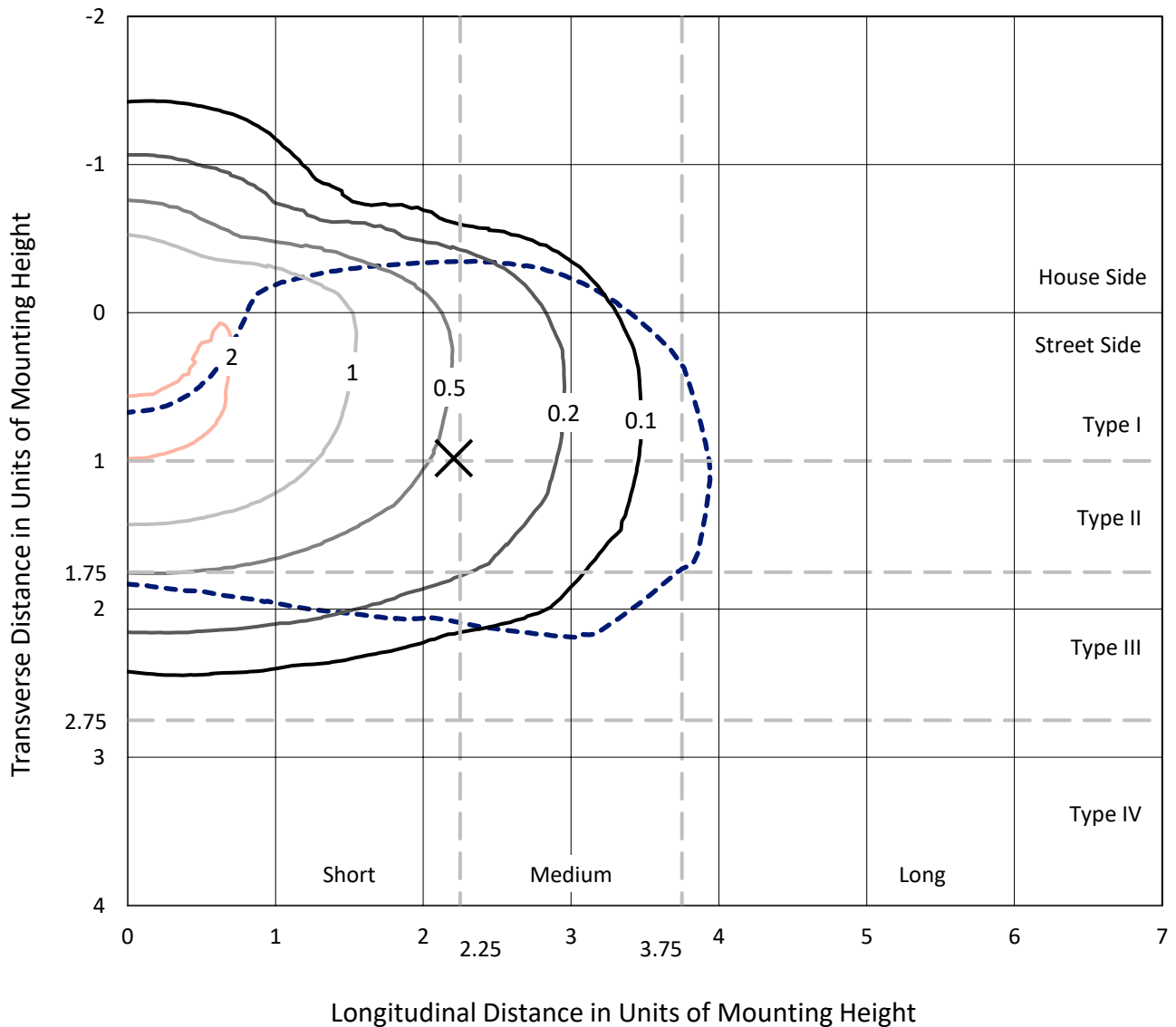
Input Watts (W): 79.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

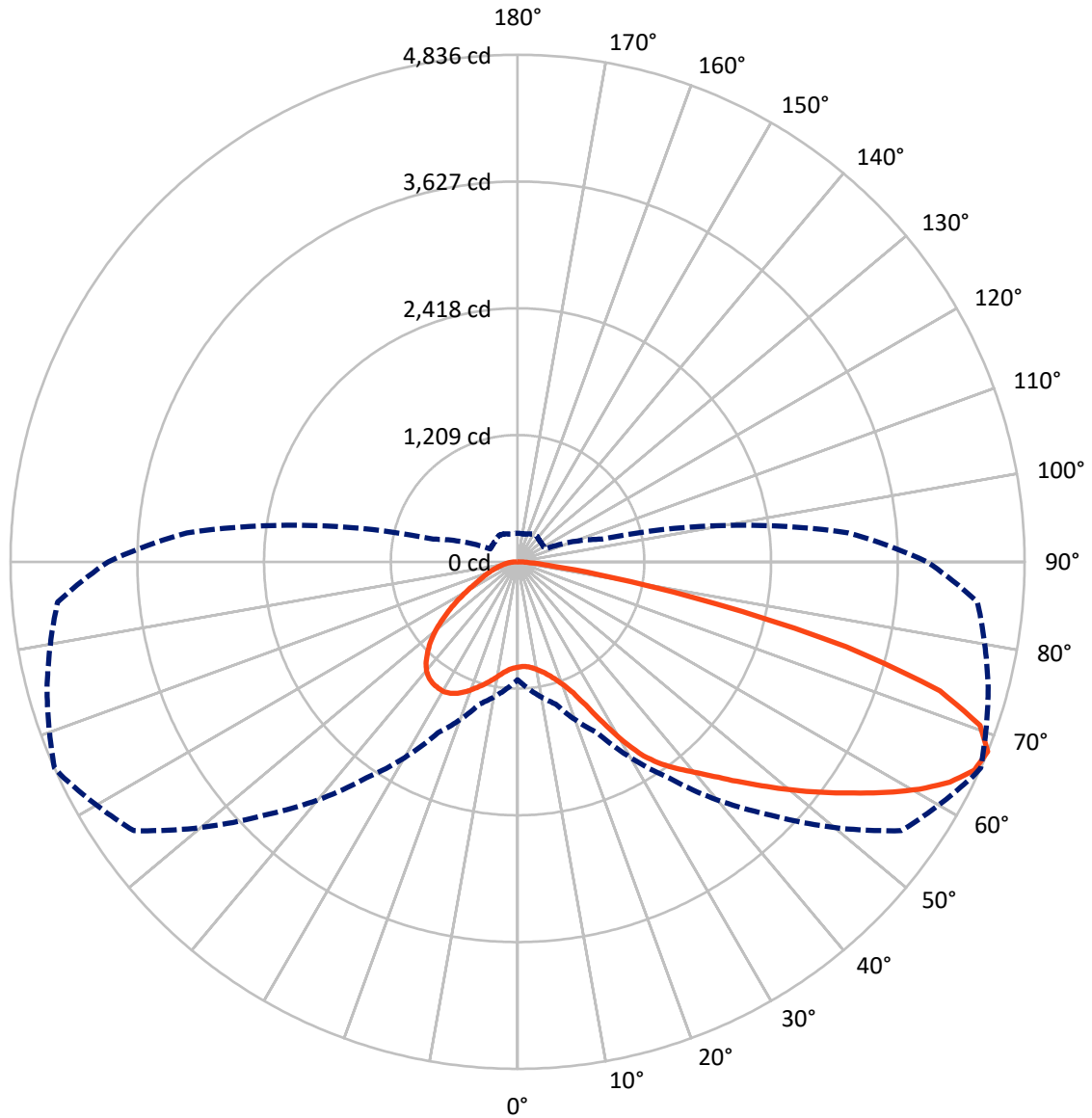
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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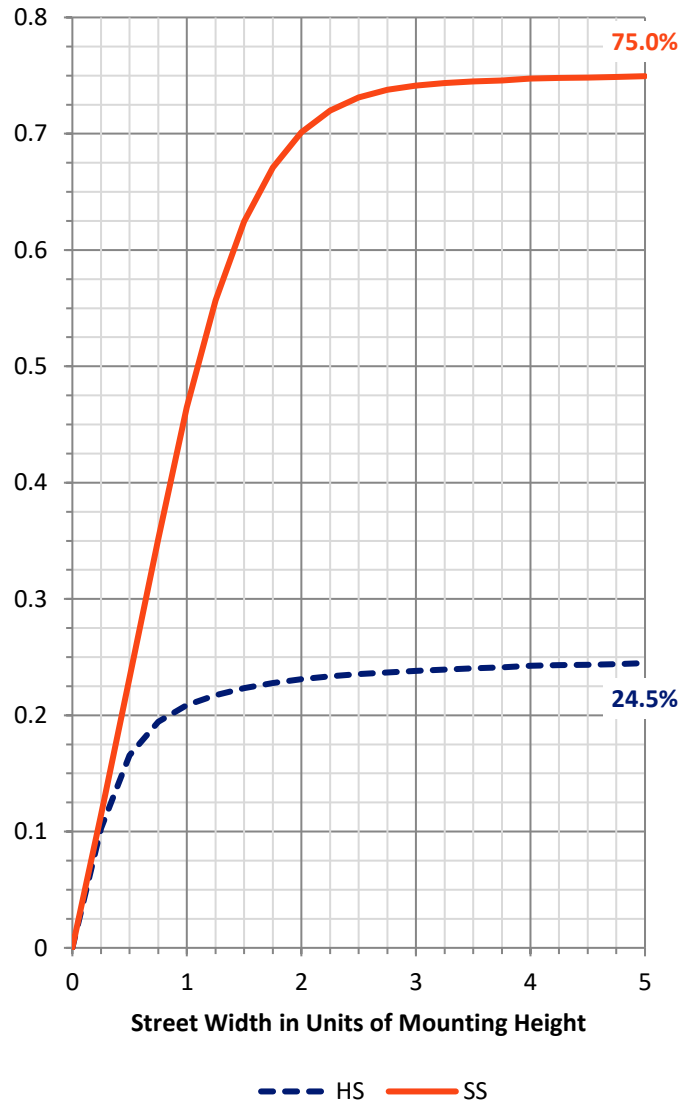
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2252.5	0.0	2252.5
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	6806.5	0.0	6806.5
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	9059.0	0.0	9059.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.6	1.1
10°-20°	329.1	3.6
20°-30°	634.4	7.0
30°-40°	1112.3	12.3
40°-50°	1653.6	18.3
50°-60°	2096.1	23.1
60°-70°	2051.0	22.6
70°-80°	978.3	10.8
80°-90°	104.6	1.2
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°	9059.0	100.0
0°-180°	9059.0	100.0

**Coefficient of Utilization**



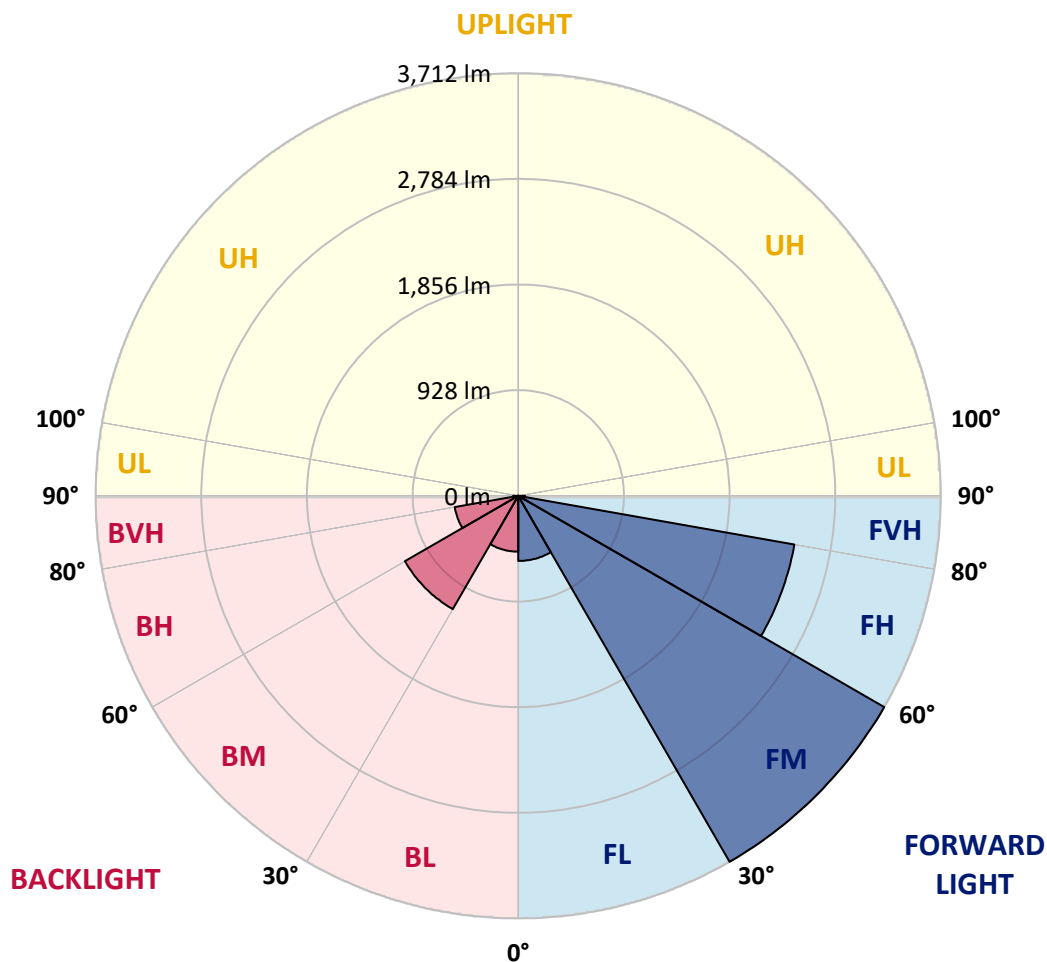
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	572.4	6.3			
FM (30°-60°)	3712.3	41.0			
FH (60°-80°)	2462.5	27.2			G2/5000
FVH (80°-90°)	59.3	0.7			G1/100
BL (0°-30°)	490.7	5.4	B1/500		
BM (30°-60°)	1149.7	12.7	B2/2500		
BH (60°-80°)	566.8	6.3	B2/1000		G2/1000
BVH (80°-90°)	45.3	0.5			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 III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8
2.5°	994.3	1000.0	998.6	996.2	995.7	996.7	998.1	999.5	999.1	1001.4
5°	991.4	997.1	996.7	996.7	998.6	1002.4	1004.8	1007.1	1004.8	1007.6
7.5°	993.3	997.6	999.5	1001.4	1006.2	1013.3	1019.0	1024.3	1021.4	1024.8
10°	1017.6	1020.9	1022.8	1022.8	1026.2	1034.3	1040.0	1049.5	1047.1	1052.4
12.5°	1061.9	1065.2	1065.2	1063.3	1065.7	1070.9	1072.8	1083.3	1079.0	1087.6
15°	1116.1	1122.8	1117.6	1114.2	1115.2	1120.4	1119.9	1128.0	1123.8	1130.9
17.5°	1176.1	1184.7	1176.1	1175.6	1173.7	1179.4	1179.9	1187.1	1179.4	1184.7
20°	1247.0	1258.9	1251.8	1254.2	1249.9	1252.3	1254.6	1265.1	1253.2	1257.0
22.5°	1347.0	1361.3	1353.6	1362.7	1359.8	1357.9	1357.5	1376.0	1357.5	1358.9
25°	1492.6	1509.8	1496.4	1508.8	1508.8	1515.0	1522.1	1545.9	1515.0	1506.0
27.5°	1707.8	1724.9	1698.7	1706.3	1704.0	1719.2	1711.6	1770.6	1737.3	1722.5
30°	1966.7	1997.2	1947.7	1945.7	1943.4	1967.6	1978.6	2017.6	1983.8	1969.1
32.5°	2246.6	2278.4	2219.4	2202.3	2193.2	2208.0	2199.0	2230.4	2207.1	2184.2
35°	2542.6	2574.0	2517.9	2484.5	2448.4	2417.4	2385.1	2393.2	2371.3	2336.5
37.5°	2822.5	2880.1	2820.6	2784.9	2718.2	2657.8	2567.4	2529.8	2509.3	2477.4
40°	3107.6	3140.4	3095.2	3064.7	2992.4	2897.7	2753.0	2673.5	2645.9	2615.0
42.5°	3317.5	3348.9	3324.6	3303.7	3247.0	3137.1	2950.0	2850.6	2810.6	2775.8
45°	3484.1	3507.4	3492.2	3499.8	3475.5	3368.9	3154.2	3040.5	2999.1	2956.7
47.5°	3551.2	3575.9	3600.2	3645.4	3686.8	3608.3	3373.6	3246.1	3202.3	3159.0
50°	3543.6	3568.8	3639.2	3735.4	3863.9	3837.7	3605.0	3465.0	3424.6	3375.1
52.5°	3482.6	3511.2	3601.6	3761.6	3966.2	4009.5	3840.6	3691.1	3653.0	3594.0
55°	3322.7	3339.8	3475.5	3702.1	3990.5	4129.5	4071.4	3931.9	3893.9	3811.5
57.5°	3026.2	3050.9	3248.5	3541.7	3929.6	4210.9	4274.2	4185.2	4148.5	4030.0
60°	2639.2	2678.7	2904.8	3272.3	3774.4	4210.4	4458.4	4434.1	4403.6	4245.1
62.5°	2201.3	2247.0	2464.5	2891.5	3503.1	4090.9	4573.6	4642.6	4626.9	4443.6
65°	1690.6	1722.0	1938.6	2398.9	3080.9	3834.4	4586.9	4784.9	4787.7	4594.5
67.5°	1125.7	1216.1	1404.1	1800.1	2515.5	3415.1	4469.8	4808.2	4835.8	4646.4
70°	549.3	668.3	852.5	1169.9	1800.1	2772.0	4163.7	4616.9	4678.3	4495.0
72.5°	228.0	266.5	367.0	577.3	1033.3	1870.5	3548.8	4098.1	4211.8	3982.9
75°	153.7	166.6	209.9	296.1	470.7	922.4	2559.3	3055.7	3238.9	3008.1
77.5°	118.5	126.6	152.8	207.0	279.9	348.9	1369.8	1841.5	1936.2	1792.5
80°	93.3	99.5	114.2	150.9	198.5	186.6	466.9	834.4	889.1	745.8
82.5°	80.9	83.3	81.9	102.3	131.8	109.0	153.3	307.9	339.8	246.6
85°	58.5	65.2	68.1	63.3	70.0	55.2	62.8	109.0	119.9	107.1
87.5°	23.8	35.2	43.3	40.9	25.7	15.7	19.5	31.9	36.6	40.0
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°
1004.8	0°	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8	1004.8
1005.2	2.5°	1005.7	1009.0	1011.4	1014.3	1016.2	1019.0	1024.8	1028.1	1028.6	1030.9
1012.9	5°	1014.8	1019.5	1024.8	1032.4	1040.9	1048.1	1059.0	1066.6	1069.5	1071.9
1031.4	7.5°	1034.3	1040.9	1050.5	1063.8	1076.2	1085.7	1099.0	1108.0	1117.1	1120.4
1060.9	10°	1063.3	1072.8	1086.6	1104.7	1118.0	1130.4	1144.2	1151.8	1160.9	1164.7
1096.1	12.5°	1099.5	1109.5	1127.6	1152.8	1165.2	1173.7	1178.5	1176.6	1178.5	1181.8
1138.5	15°	1140.9	1151.8	1172.3	1199.4	1208.0	1200.4	1189.9	1180.4	1179.0	1179.9
1189.9	17.5°	1189.9	1198.0	1221.8	1244.6	1238.5	1207.0	1184.2	1169.0	1161.4	1159.0
1255.6	20°	1258.5	1258.5	1278.0	1292.2	1250.8	1197.5	1161.8	1137.1	1121.4	1114.7
1345.1	22.5°	1341.7	1334.1	1346.5	1336.5	1248.5	1170.9	1121.4	1078.5	1054.7	1045.2
1470.3	25°	1447.4	1438.4	1435.0	1373.2	1231.3	1128.5	1048.1	996.2	975.3	970.0
1650.6	27.5°	1606.9	1584.0	1540.7	1393.2	1199.9	1061.9	962.4	914.3	902.4	902.9
1882.4	30°	1819.1	1773.4	1667.3	1396.5	1148.5	967.6	874.8	840.6	834.8	837.2
2077.1	32.5°	2015.7	1972.4	1796.8	1381.3	1069.5	875.3	796.3	773.4	764.9	767.7
2225.6	35°	2169.9	2158.0	1916.7	1359.8	972.4	788.7	725.8	706.3	689.7	685.9
2365.5	37.5°	2315.6	2310.8	2006.7	1329.8	876.3	727.3	669.2	643.5	619.2	605.9
2520.2	40°	2475.5	2470.7	2065.7	1283.7	791.1	674.0	618.3	584.5	554.5	530.2
2695.4	42.5°	2655.4	2627.3	2093.8	1217.5	718.7	628.8	576.9	531.2	491.7	469.3
2893.4	45°	2852.0	2788.7	2093.3	1133.3	657.8	587.3	532.6	467.9	431.2	410.3
3096.6	47.5°	3060.5	2942.9	2067.6	1040.0	598.8	541.6	464.1	414.6	390.3	377.4
3317.5	50°	3275.6	3087.1	2023.8	932.9	538.3	489.8	421.2	387.4	368.9	357.0
3536.4	52.5°	3477.9	3218.0	1971.0	811.5	476.9	439.3	402.2	376.0	356.5	343.2
3748.7	55°	3665.9	3330.8	1896.2	687.3	426.9	405.5	393.1	371.3	348.9	333.2
3964.3	57.5°	3832.9	3404.1	1767.3	570.7	391.2	382.2	383.6	363.2	337.5	324.1
4176.6	60°	3971.9	3457.9	1576.4	462.6	362.2	359.4	368.9	347.9	317.9	302.7
4356.0	62.5°	4055.2	3456.9	1342.2	378.9	337.5	338.4	349.4	328.9	298.4	284.2
4449.8	65°	4048.1	3372.2	1085.2	324.1	313.7	314.6	328.9	307.9	282.2	273.7
4402.7	67.5°	3904.8	3165.6	832.5	288.4	287.5	291.8	308.4	293.7	272.3	271.3
4121.9	70°	3516.9	2736.8	599.7	259.9	260.4	266.5	288.4	284.6	267.0	268.9
3465.5	72.5°	2820.1	2086.6	402.7	229.9	230.4	240.4	269.4	277.5	261.8	287.0
2458.8	75°	1878.2	1301.3	258.9	198.0	198.5	211.3	252.7	263.7	247.5	286.1
1279.4	77.5°	902.4	585.0	187.5	166.6	166.6	178.5	218.5	236.1	210.9	222.3
411.2	80°	311.8	219.9	147.5	134.2	131.4	139.5	184.2	204.7	181.8	167.5
134.2	82.5°	122.8	114.2	118.5	104.2	94.7	100.0	143.3	169.0	133.7	120.9
75.7	85°	70.4	74.3	83.8	69.0	54.7	61.4	105.2	121.4	100.9	89.0
24.8	87.5°	19.0	26.2	38.6	35.7	24.8	26.2	50.0	67.1	58.1	44.7
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



<u>180°</u>
1004.8
1030.5
1071.4
1120.9
1166.6
1182.8
1183.2
1162.3
1113.3
1043.8
971.0
904.3
845.3
771.5
688.7
606.4
532.6
470.7
409.3
374.6
352.7
337.5
327.0
315.6
296.1
279.9
273.2
272.7
268.4
290.8
288.4
203.7
157.1
120.4
90.9
46.2
0.0

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