

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: P845866

Luminaire Tested: **GLAN-SB1B-722-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845866  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB1B-722-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 70 CRI, 2200K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4364 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

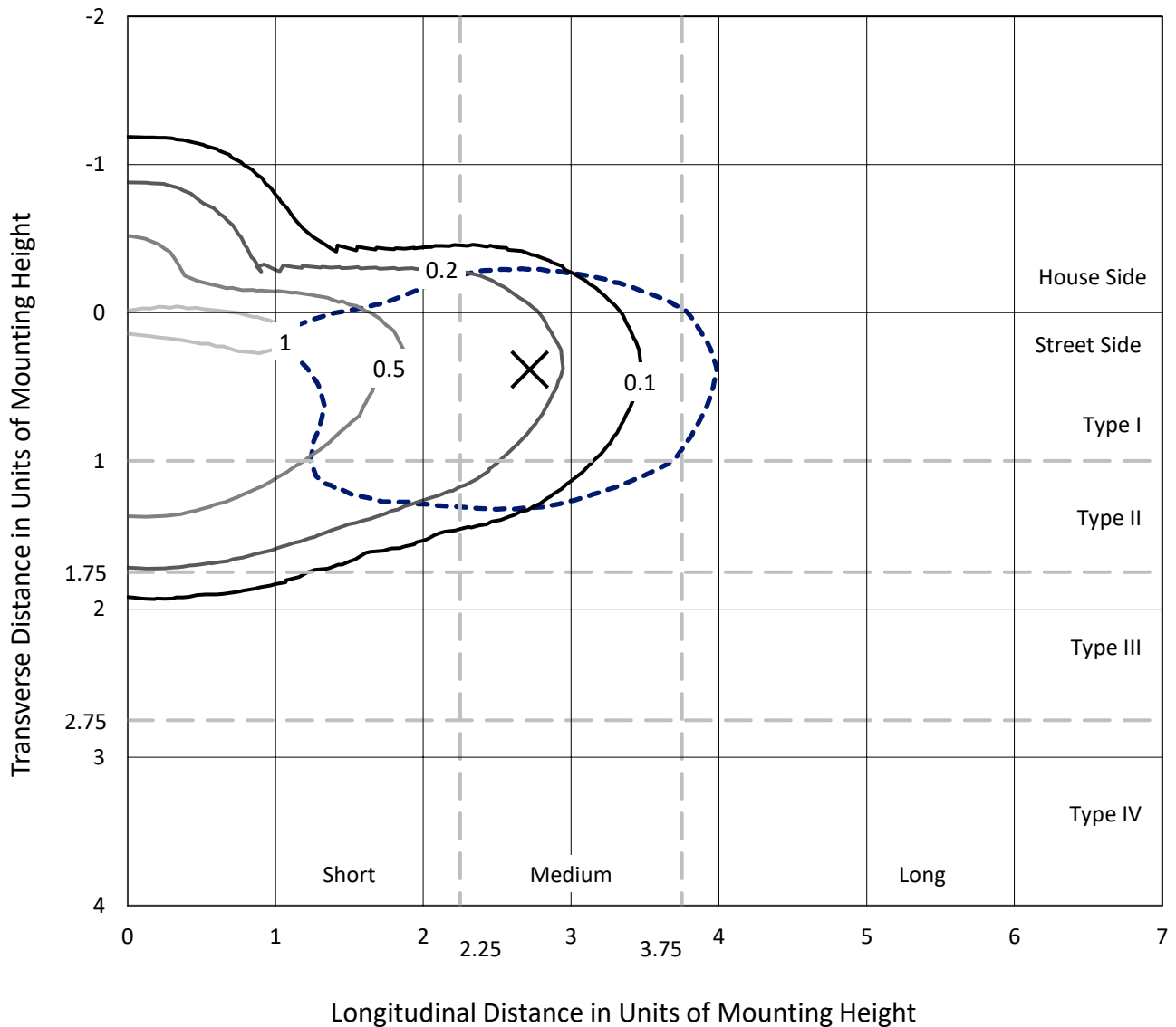
Input Watts (W): 39.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

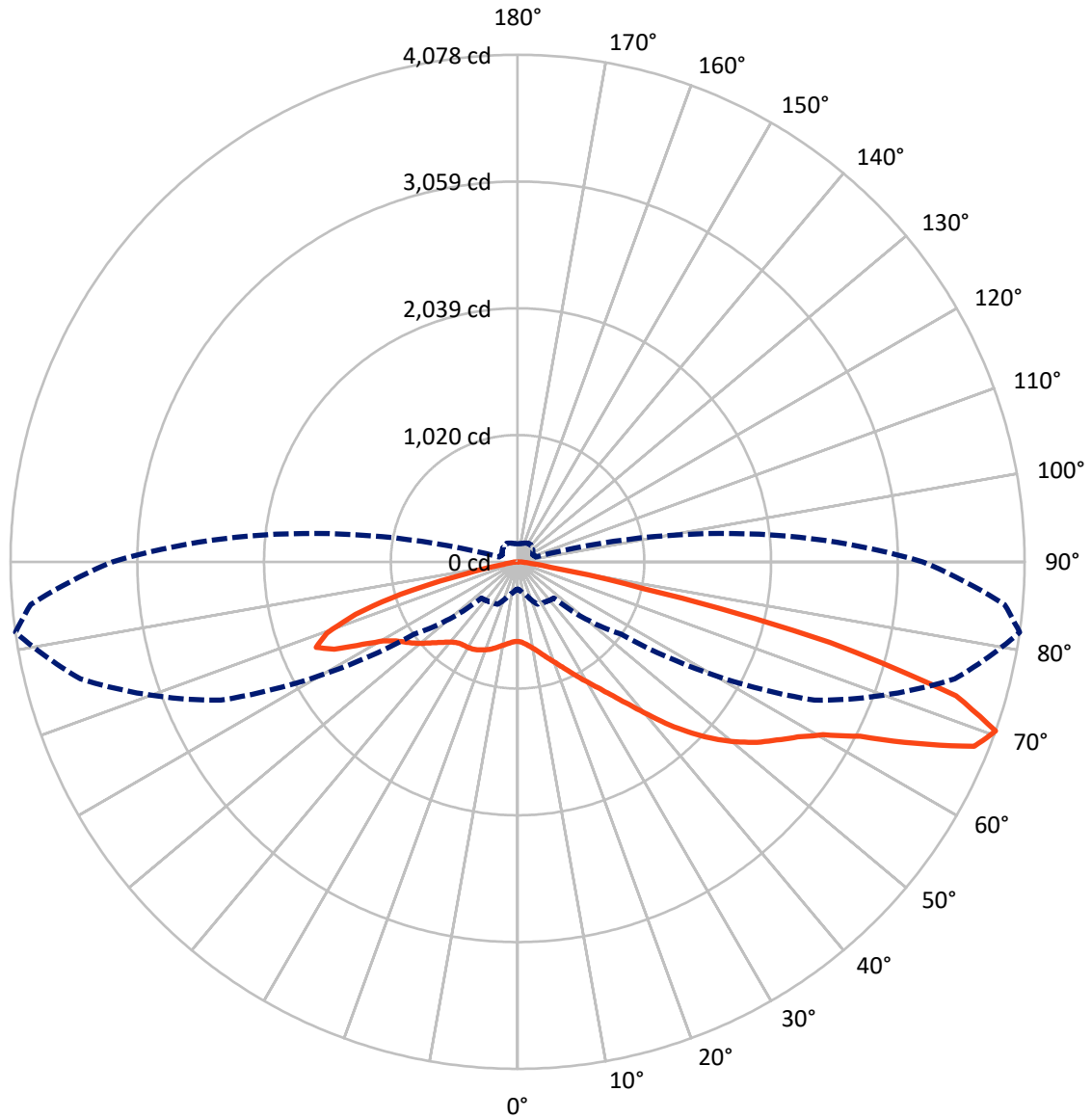
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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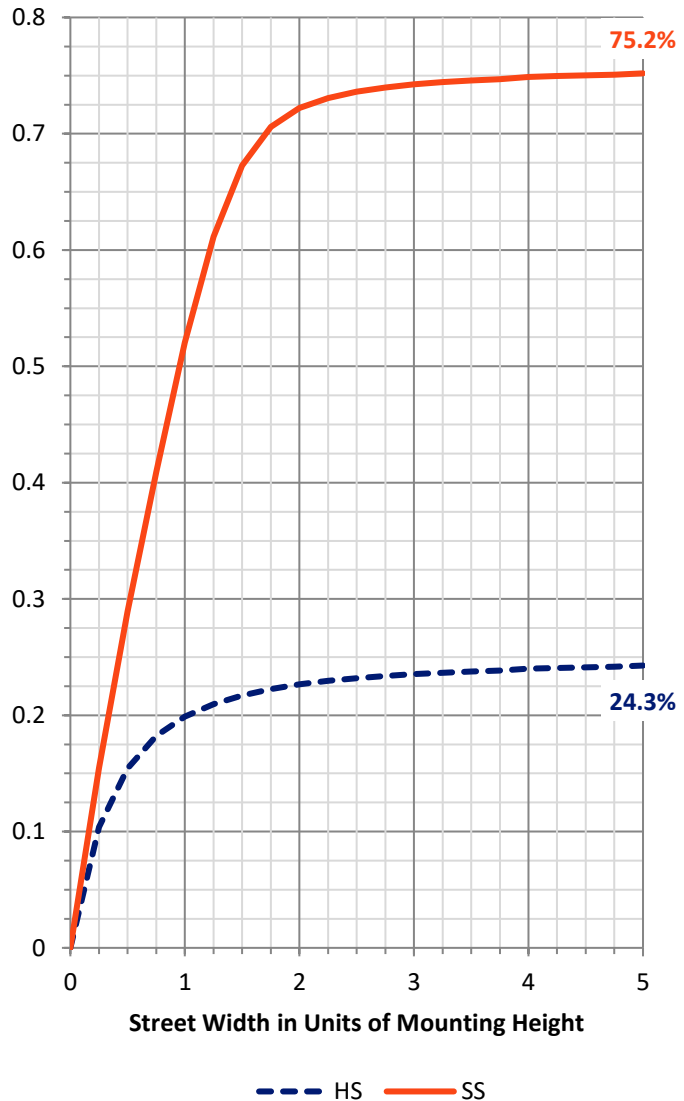
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1075.8	0.0	1075.8
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	3288.2	0.0	3288.2
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	4364.0	0.0	4364.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.4	1.4
10°-20°	173.6	4.0
20°-30°	290.4	6.7
30°-40°	453.6	10.4
40°-50°	722.4	16.6
50°-60°	1005.3	23.0
60°-70°	1051.6	24.1
70°-80°	549.6	12.6
80°-90°	57.1	1.3
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°	4364.0	100.0
0°-180°	4364.0	100.0

**Coefficient of Utilization**



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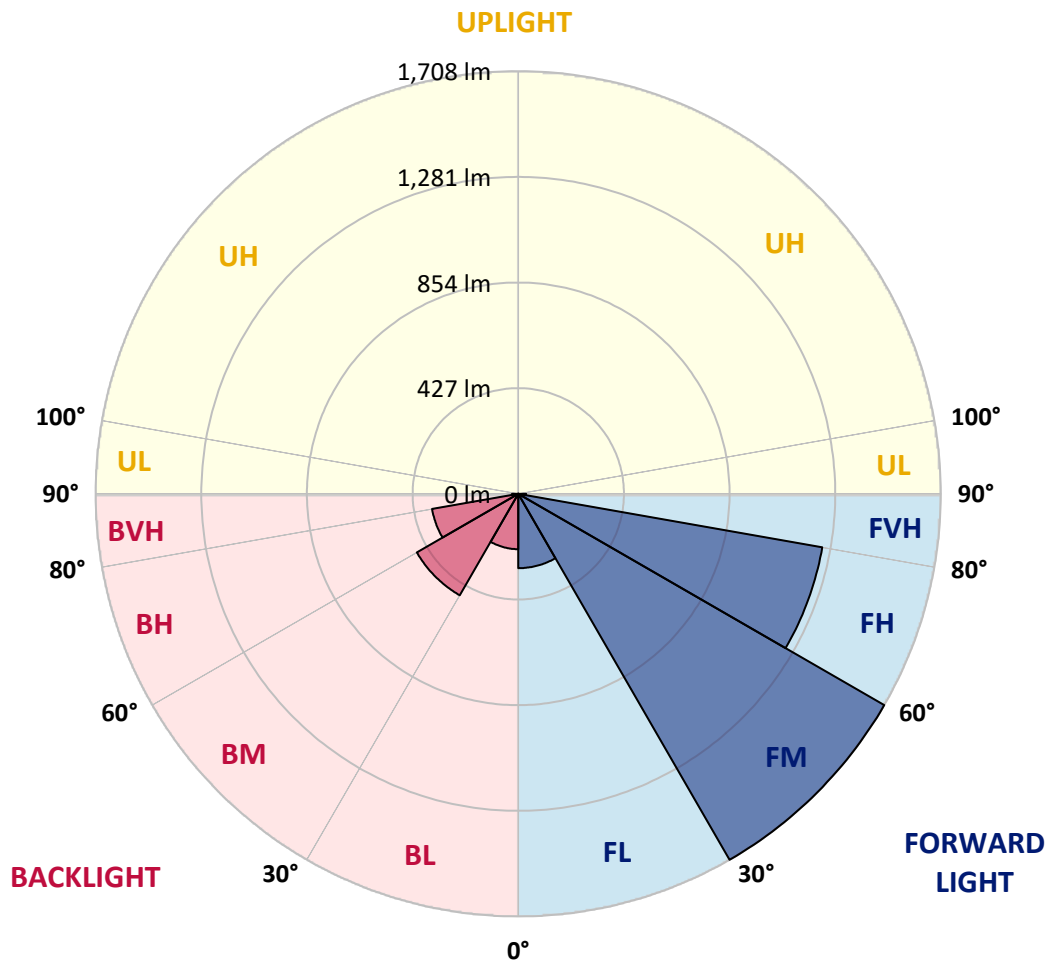
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	300.5	6.9			
FM (30°-60°)	1708.0	39.1			
FH (60°-80°)	1247.7	28.6			G1/1800
FVH (80°-90°)	31.9	0.7			G1/100
BL (0°-30°)	223.8	5.1	B1/500		
BM (30°-60°)	473.3	10.8	B1/1000		
BH (60°-80°)	353.6	8.1	B1/500		G1/500
BVH (80°-90°)	25.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	639.8	639.8	639.8	639.8	639.8	639.8	639.8	639.8	639.8	639.8
2.5°	655.1	658.8	657.6	656.5	656.5	654.9	654.6	652.3	650.5	647.5
5°	663.4	667.4	666.9	667.8	670.8	671.5	672.2	670.8	667.1	663.4
7.5°	656.0	660.4	661.8	667.4	676.6	685.0	691.2	693.8	690.3	685.0
10°	631.0	635.9	640.7	653.9	670.4	690.1	706.7	716.7	716.0	710.9
12.5°	580.3	585.4	595.8	621.5	651.6	686.4	717.4	738.2	745.4	741.7
15°	539.8	544.2	552.1	578.5	617.6	670.4	721.3	761.9	780.1	778.1
17.5°	538.6	540.5	545.3	557.8	587.9	645.4	717.2	785.0	820.0	819.7
20°	559.0	559.7	562.5	565.0	582.2	626.4	706.5	804.2	864.7	864.7
22.5°	587.3	586.8	589.6	587.3	595.6	624.8	699.8	821.1	914.5	918.2
25°	629.6	627.3	626.6	621.3	622.9	639.8	707.2	840.4	973.5	981.1
27.5°	686.1	682.4	679.9	667.6	663.4	670.8	729.9	863.5	1039.3	1052.5
30°	759.8	753.1	749.3	728.0	713.0	714.1	764.2	894.3	1108.0	1129.3
32.5°	860.3	849.8	839.9	804.9	777.4	768.3	808.4	936.9	1182.6	1216.6
35°	972.8	964.5	953.8	899.9	857.5	836.6	868.1	996.4	1269.9	1323.9
37.5°	1081.2	1074.0	1079.1	1006.4	951.7	921.4	946.4	1076.3	1377.6	1457.2
40°	1193.3	1187.7	1188.4	1118.9	1055.2	1021.2	1041.4	1176.6	1501.0	1615.9
42.5°	1315.1	1310.9	1297.0	1235.4	1163.9	1132.1	1150.7	1292.4	1633.5	1796.5
45°	1451.5	1448.9	1435.9	1365.3	1283.3	1247.7	1272.7	1420.2	1766.6	1966.5
47.5°	1569.3	1571.4	1569.8	1510.3	1425.3	1373.0	1402.8	1553.6	1890.5	2126.2
50°	1626.1	1636.9	1652.9	1634.4	1581.6	1528.3	1534.1	1682.3	2008.6	2276.1
52.5°	1596.4	1617.0	1660.6	1690.2	1710.6	1699.5	1683.9	1810.2	2119.8	2411.3
55°	1486.0	1514.9	1587.2	1658.7	1762.7	1843.5	1863.9	1951.9	2228.1	2530.3
57.5°	1284.7	1331.7	1396.6	1541.3	1716.4	1913.2	2073.7	2148.5	2343.0	2657.5
60°	939.7	1002.7	1083.3	1298.6	1554.3	1875.9	2252.2	2450.4	2506.2	2822.1
62.5°	601.4	640.3	714.4	917.2	1211.1	1684.9	2306.9	2827.9	2783.0	3092.1
65°	411.7	436.7	504.6	618.5	782.9	1254.2	2160.5	3110.9	3222.5	3520.0
67.5°	299.2	318.2	376.1	475.9	510.1	742.2	1676.5	3097.9	3649.7	3960.9
70°	218.1	231.6	280.2	376.1	392.5	412.9	1015.6	2633.4	3640.4	4078.1
72.5°	161.6	170.9	203.5	291.8	317.7	278.8	502.7	1913.9	3128.2	3688.6
75°	116.9	123.9	148.0	223.2	254.3	212.3	250.8	1118.5	2182.0	2594.7
77.5°	89.4	94.7	110.5	163.5	203.5	159.3	155.6	514.5	1034.6	1039.7
80°	71.8	75.3	83.8	115.1	156.1	119.3	101.4	207.7	327.0	276.7
82.5°	52.8	58.6	70.9	80.8	111.6	82.2	61.8	104.9	124.4	107.0
85°	30.1	34.0	42.8	57.9	71.3	50.2	35.4	46.5	57.9	47.5
87.5°	10.7	13.9	15.1	22.7	31.0	20.8	13.7	13.4	19.0	14.1
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°
639.8	0°	639.8	639.8	639.8	639.8	639.8	639.8	639.8	639.8	639.8	639.8
646.8	2.5°	644.4	643.3	638.7	632.4	625.9	619.7	617.6	613.2	610.2	608.6
661.8	5°	657.4	653.7	642.8	628.9	614.3	598.6	587.5	577.3	569.9	562.9
682.4	7.5°	675.9	669.5	650.7	626.4	600.5	574.3	554.8	540.0	530.1	523.6
706.5	10°	697.5	687.5	658.8	622.4	582.4	544.9	521.9	509.2	503.0	499.5
734.1	12.5°	722.3	708.1	667.1	613.4	554.8	512.0	496.2	492.5	492.8	493.0
768.8	15°	752.8	733.1	673.9	593.7	518.9	486.8	484.0	490.0	496.2	499.3
808.2	17.5°	787.3	759.5	675.0	561.3	483.7	470.5	479.3	492.3	501.8	506.0
852.2	20°	824.4	786.4	666.7	515.5	454.8	457.3	473.1	489.8	500.2	505.5
902.4	22.5°	866.8	815.1	646.8	467.3	431.2	443.0	461.5	477.7	488.6	493.9
961.5	25°	915.1	847.3	615.5	426.8	410.8	426.8	445.3	458.7	467.5	472.4
1027.5	27.5°	968.9	880.9	573.8	394.6	393.0	410.1	425.4	435.8	440.4	444.1
1097.6	30°	1022.8	911.4	523.3	370.3	377.5	393.7	404.5	409.2	410.6	411.3
1175.9	32.5°	1081.2	937.8	470.3	350.1	362.6	377.7	384.2	386.3	379.8	375.4
1270.8	35°	1151.8	966.1	418.4	334.1	348.0	361.0	363.1	361.2	353.6	344.6
1389.9	37.5°	1239.1	1001.3	377.0	322.8	334.4	342.9	340.4	339.9	340.6	330.0
1533.0	40°	1346.1	1047.1	346.7	314.0	323.3	325.1	317.9	321.9	325.4	309.1
1690.0	42.5°	1464.9	1102.5	327.4	308.0	314.0	309.6	298.5	302.9	302.4	281.1
1847.7	45°	1586.0	1162.7	320.7	303.6	305.4	296.6	284.4	285.5	275.8	256.6
1998.9	47.5°	1706.4	1227.3	324.9	299.9	294.8	284.8	275.3	270.2	255.9	241.5
2143.8	50°	1824.5	1295.1	340.2	292.5	280.2	274.4	267.5	258.4	243.1	230.9
2280.9	52.5°	1934.0	1363.5	357.3	280.2	261.9	265.4	261.0	250.6	235.5	223.0
2410.6	55°	2037.8	1431.8	364.0	263.3	244.8	257.5	255.0	235.7	217.7	207.5
2546.3	57.5°	2150.8	1514.0	356.6	241.8	230.9	248.5	238.7	217.4	207.0	199.4
2723.0	60°	2307.3	1643.0	340.6	215.1	217.7	235.0	218.4	209.6	198.2	189.7
2987.9	62.5°	2567.4	1883.6	314.9	188.7	202.2	215.1	208.6	199.8	188.3	179.9
3440.8	65°	2951.8	2217.9	266.5	168.1	184.8	195.7	198.2	189.4	177.4	168.6
3837.7	67.5°	3276.0	2427.7	201.7	151.0	167.0	179.9	187.1	178.5	165.8	157.2
3930.6	70°	3258.1	2275.4	154.0	134.1	151.2	164.4	173.7	167.0	153.3	145.2
3570.3	72.5°	2893.9	1903.5	124.6	116.9	135.2	148.2	159.3	154.2	140.3	132.5
2615.5	75°	2126.0	1351.2	99.6	99.6	115.3	131.3	143.6	140.3	127.6	122.0
1098.1	77.5°	896.2	566.9	78.0	82.7	95.9	112.8	128.1	129.2	118.1	125.0
290.4	80°	238.3	156.3	59.5	65.1	75.3	93.1	111.4	110.9	98.9	92.4
107.9	82.5°	90.8	61.6	42.4	45.9	54.4	71.3	88.2	91.0	79.0	68.3
42.4	85°	35.0	26.4	26.2	27.6	31.7	47.2	66.7	69.0	59.5	50.5
11.8	87.5°	9.0	7.9	9.7	9.3	14.6	25.2	38.2	39.6	36.4	21.1
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



<u>180°</u>
639.8
610.4
565.7
525.0
500.4
493.5
499.0
506.9
506.9
495.3
473.8
445.5
412.9
376.8
345.0
330.7
309.6
280.9
257.3
241.5
229.9
223.2
206.6
198.7
189.2
179.9
169.0
157.5
145.9
132.5
120.4
113.5
85.9
68.3
52.1
30.1
0.0

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