

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: P845806

Luminaire Tested: **GLAN-SB1A-850-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P845806  
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-SB1A-850-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3818 lumens  
Efficiency: N/A  
Efficacy: 123.6 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

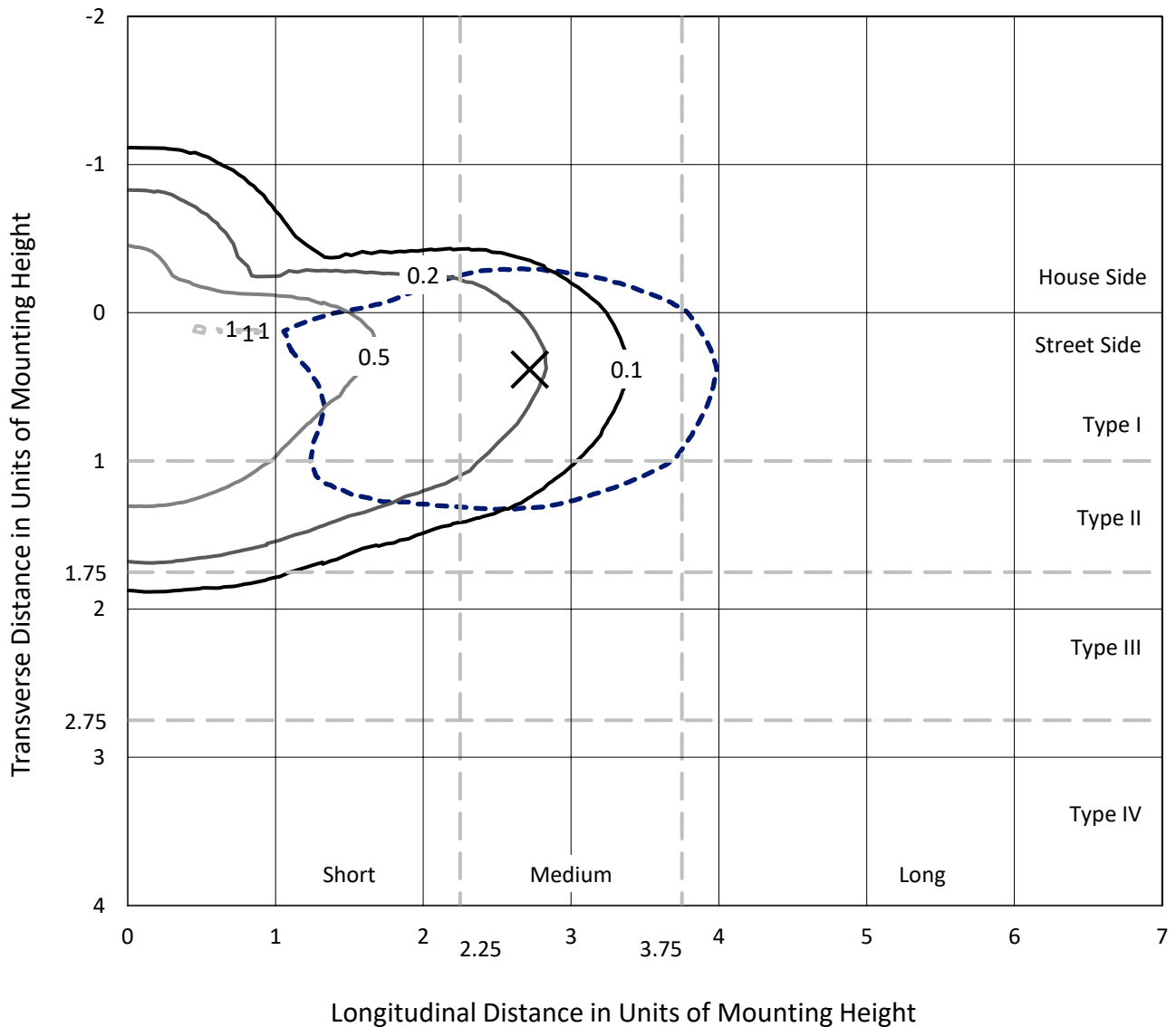
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

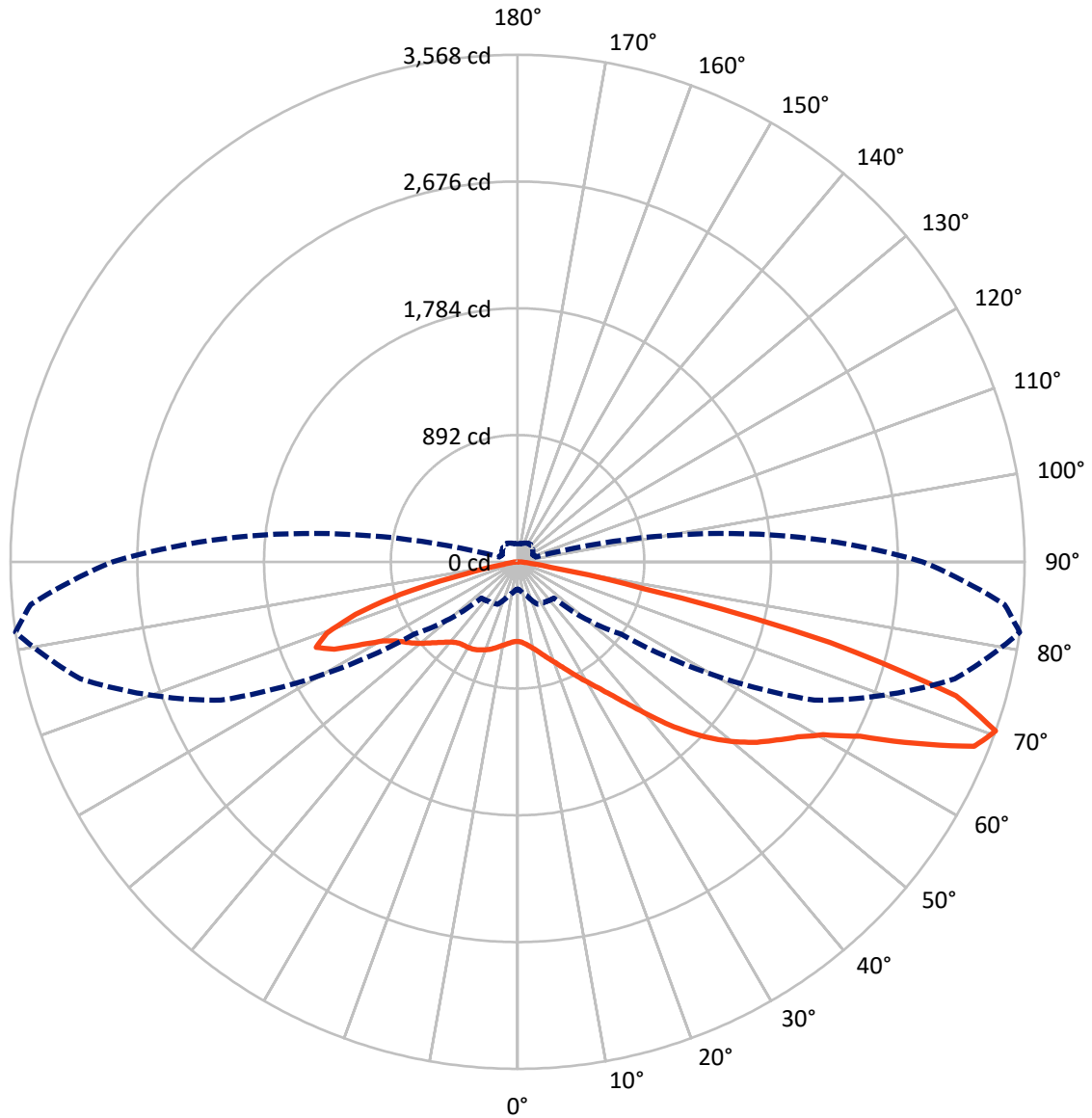
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type II - Medium - N/A

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CATALOG NUMBER: GLAN-SB1A-850-U-T2

### Luminous Intensity Polar Plot



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

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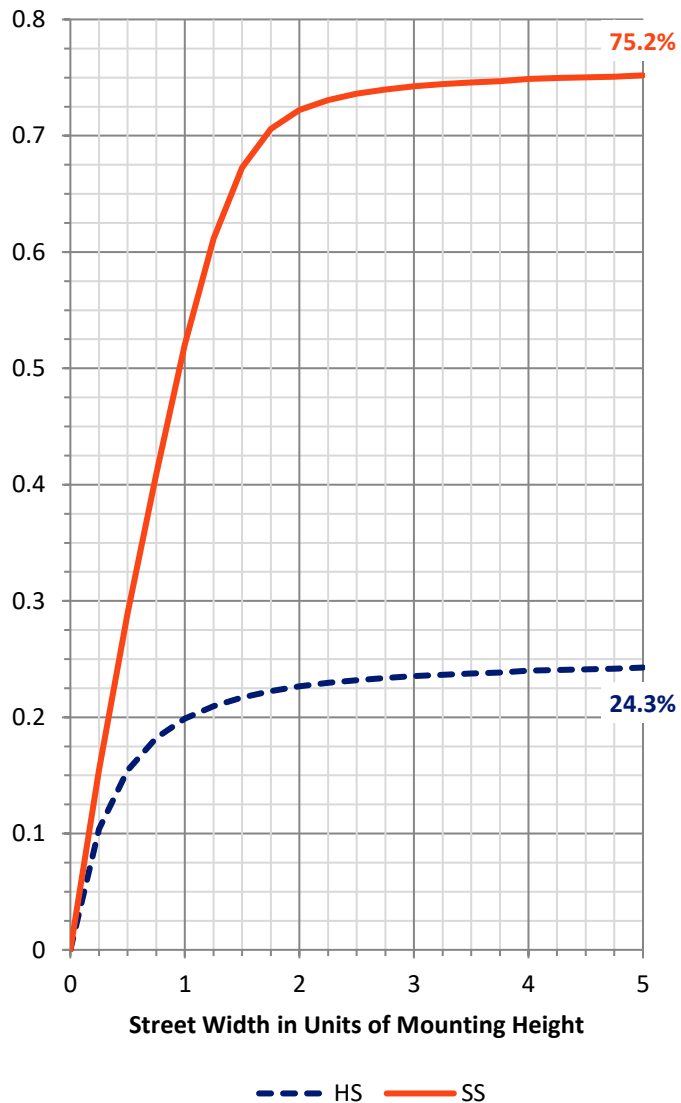
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	941.2	0.0	941.2
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	2876.8	0.0	2876.8
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	3818.0	0.0	3818.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.9	1.4
10°-20°	151.8	4.0
20°-30°	254.0	6.7
30°-40°	396.8	10.4
40°-50°	632.0	16.6
50°-60°	879.5	23.0
60°-70°	920.0	24.1
70°-80°	480.9	12.6
80°-90°	49.9	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°	3818.0	100.0
0°-180°	3818.0	100.0

**Coefficient of Utilization**

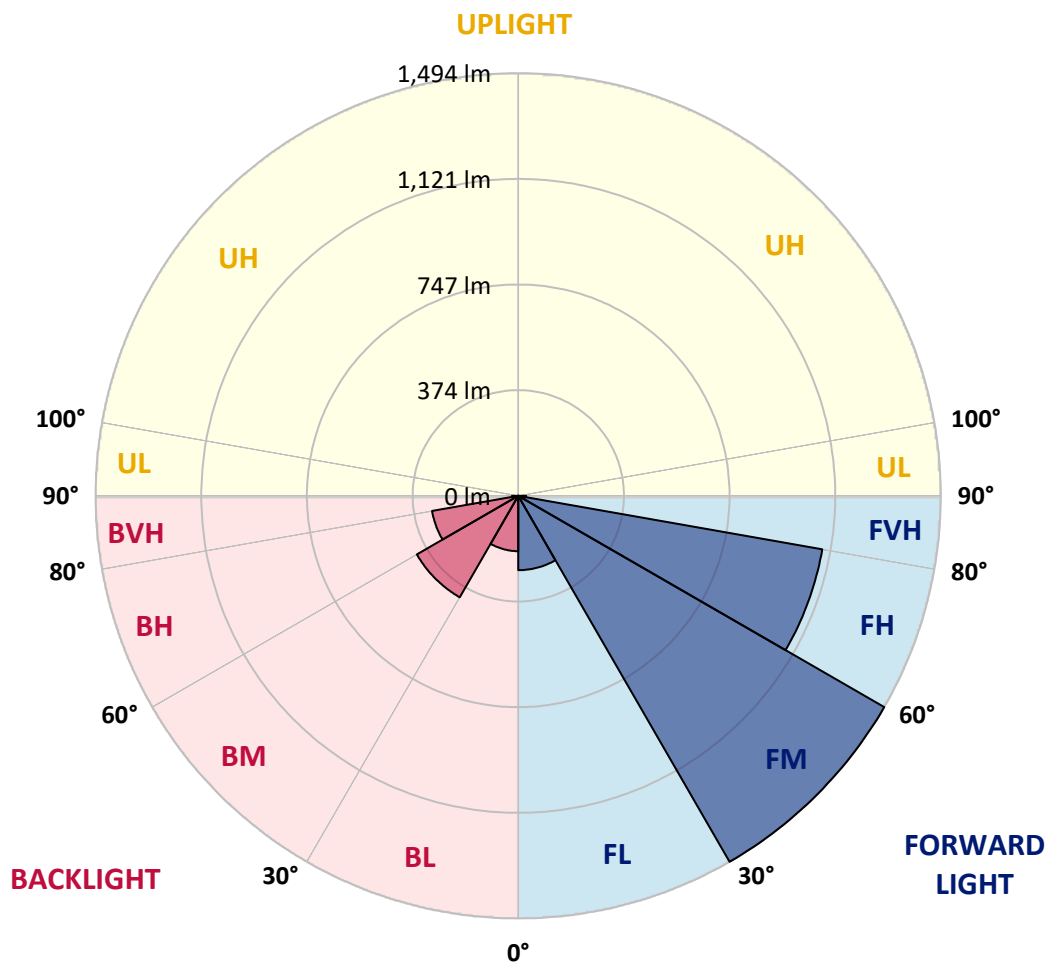


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 CATALOG NUMBER: GLAN-SB1A-850-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	262.9	6.9			
FM (30°-60°)	1494.3	39.1			
FH (60°-80°)	1091.6	28.6			G1/1800
FVH (80°-90°)	28.0	0.7			G1/100
BL (0°-30°)	195.8	5.1	B1/500		
BM (30°-60°)	414.1	10.8	B1/1000		
BH (60°-80°)	309.3	8.1	B1/500		G1/500
BVH (80°-90°)	22.0	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°	559.8	559.8	559.8	559.8	559.8	559.8	559.8	559.8	559.8	559.8
2.5°	573.1	576.4	575.4	574.4	574.4	572.9	572.7	570.7	569.1	566.5
5°	580.4	583.9	583.5	584.3	586.9	587.5	588.1	586.9	583.7	580.4
7.5°	573.9	577.8	579.0	583.9	592.0	599.3	604.7	607.0	603.9	599.3
10°	552.1	556.3	560.6	572.1	586.5	603.7	618.3	627.0	626.4	622.0
12.5°	507.7	512.2	521.3	543.8	570.1	600.5	627.6	645.9	652.1	648.9
15°	472.2	476.1	483.0	506.1	540.3	586.5	631.1	666.5	682.5	680.7
17.5°	471.2	472.9	477.1	488.0	514.4	564.6	627.4	686.8	717.4	717.2
20°	489.1	489.7	492.1	494.3	509.3	548.0	618.1	703.6	756.5	756.5
22.5°	513.8	513.4	515.8	513.8	521.1	546.6	612.2	718.4	800.0	803.3
25°	550.9	548.8	548.2	543.6	545.0	559.8	618.7	735.2	851.7	858.4
27.5°	600.3	597.0	594.8	584.1	580.4	586.9	638.6	755.5	909.2	920.8
30°	664.7	658.8	655.6	637.0	623.8	624.8	668.6	782.4	969.4	988.0
32.5°	752.6	743.5	734.8	704.2	680.1	672.2	707.3	819.7	1034.6	1064.4
35°	851.1	843.8	834.5	787.3	750.2	732.0	759.5	871.8	1111.0	1158.2
37.5°	945.9	939.6	944.1	880.5	832.7	806.1	828.0	941.7	1205.2	1274.9
40°	1044.0	1039.1	1039.7	978.9	923.2	893.4	911.1	1029.4	1313.2	1413.7
42.5°	1150.5	1146.9	1134.7	1080.8	1018.2	990.5	1006.7	1130.7	1429.1	1571.7
45°	1269.9	1267.6	1256.3	1194.5	1122.8	1091.6	1113.5	1242.5	1545.6	1720.4
47.5°	1373.0	1374.8	1373.4	1321.3	1247.0	1201.2	1227.3	1359.2	1654.0	1860.2
50°	1422.6	1432.1	1446.1	1429.9	1383.7	1337.1	1342.2	1471.8	1757.3	1991.3
52.5°	1396.7	1414.7	1452.8	1478.7	1496.6	1486.8	1473.3	1583.7	1854.5	2109.6
55°	1300.0	1325.4	1388.6	1451.2	1542.1	1612.8	1630.7	1707.7	1949.4	2213.7
57.5°	1124.0	1165.1	1221.8	1348.5	1501.6	1673.8	1814.2	1879.7	2049.8	2325.0
60°	822.1	877.2	947.7	1136.1	1359.8	1641.2	1970.4	2143.8	2192.7	2469.0
62.5°	526.1	560.2	625.0	802.5	1059.6	1474.1	2018.2	2474.1	2434.8	2705.2
65°	360.2	382.1	441.5	541.1	685.0	1097.2	1890.2	2721.6	2819.3	3079.6
67.5°	261.8	278.4	329.0	416.3	446.3	649.3	1466.8	2710.3	3193.1	3465.4
70°	190.8	202.6	245.1	329.0	343.4	361.2	888.6	2303.9	3185.0	3567.9
72.5°	141.4	149.5	178.1	255.3	278.0	243.9	439.8	1674.4	2736.8	3227.1
75°	102.3	108.4	129.5	195.3	222.4	185.8	219.4	978.5	1909.0	2270.1
77.5°	78.2	82.9	96.6	143.0	178.1	139.4	136.1	450.2	905.2	909.6
80°	62.8	65.8	73.3	100.7	136.5	104.3	88.7	181.7	286.1	242.1
82.5°	46.2	51.3	62.0	70.7	97.7	71.9	54.1	91.8	108.8	93.6
85°	26.3	29.8	37.5	50.6	62.4	44.0	31.0	40.7	50.6	41.5
87.5°	9.3	12.2	13.2	19.9	27.1	18.2	12.0	11.8	16.6	12.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P845806  
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**CANDELA DISTRIBUTION (continued):**

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
559.8	0°	559.8	559.8	559.8	559.8	559.8	559.8	559.8	559.8	559.8	559.8
565.8	2.5°	563.8	562.8	558.8	553.3	547.6	542.1	540.3	536.5	533.8	532.4
579.0	5°	575.2	571.9	562.4	550.2	537.5	523.7	514.0	505.1	498.6	492.5
597.0	7.5°	591.4	585.7	569.3	548.0	525.3	502.4	485.4	472.4	463.7	458.1
618.1	10°	610.2	601.5	576.4	544.6	509.5	476.7	456.6	445.5	440.0	437.0
642.2	12.5°	631.9	619.5	583.7	536.7	485.4	447.9	434.2	430.9	431.1	431.3
672.6	15°	658.6	641.4	589.5	519.5	454.0	425.9	423.4	428.7	434.2	436.8
707.1	17.5°	688.8	664.5	590.6	491.1	423.2	411.7	419.4	430.7	439.0	442.7
745.5	20°	721.2	688.0	583.3	451.0	397.9	400.1	413.9	428.5	437.6	442.3
789.5	22.5°	758.3	713.1	565.8	408.8	377.2	387.6	403.8	418.0	427.5	432.1
841.2	25°	800.7	741.3	538.5	373.4	359.4	373.4	389.6	401.3	409.0	413.3
898.9	27.5°	847.7	770.7	502.0	345.2	343.8	358.8	372.2	381.3	385.3	388.6
960.3	30°	894.9	797.4	457.9	323.9	330.2	344.4	353.9	358.0	359.2	359.8
1028.8	32.5°	945.9	820.5	411.5	306.3	317.3	330.4	336.1	337.9	332.3	328.4
1111.8	35°	1007.7	845.2	366.1	292.3	304.5	315.8	317.7	316.0	309.4	301.5
1216.0	37.5°	1084.1	876.0	329.8	282.4	292.5	300.0	297.8	297.4	298.0	288.7
1341.2	40°	1177.7	916.1	303.3	274.7	282.8	284.4	278.2	281.6	284.6	270.5
1478.5	42.5°	1281.6	964.5	286.5	269.4	274.7	270.9	261.1	265.0	264.6	245.9
1616.5	45°	1387.6	1017.2	280.6	265.6	267.2	259.5	248.8	249.8	241.3	224.5
1748.8	47.5°	1492.9	1073.7	284.2	262.4	257.9	249.2	240.9	236.4	223.9	211.3
1875.6	50°	1596.2	1133.1	297.6	255.9	245.1	240.1	234.0	226.1	212.7	202.0
1995.5	52.5°	1692.1	1192.9	312.6	245.1	229.1	232.2	228.3	219.2	206.0	195.1
2109.0	55°	1782.8	1252.6	318.5	230.3	214.1	225.3	223.1	206.2	190.4	181.5
2227.7	57.5°	1881.7	1324.6	312.0	211.5	202.0	217.4	208.9	190.2	181.1	174.4
2382.3	60°	2018.6	1437.4	298.0	188.2	190.4	205.6	191.0	183.3	173.4	165.9
2614.1	62.5°	2246.2	1647.9	275.5	165.1	176.9	188.2	182.5	174.8	164.7	157.4
3010.3	65°	2582.5	1940.4	233.2	147.1	161.7	171.2	173.4	165.7	155.2	147.5
3357.6	67.5°	2866.1	2124.0	176.5	132.1	146.1	157.4	163.7	156.2	145.1	137.6
3438.8	70°	2850.5	1990.7	134.7	117.3	132.3	143.8	151.9	146.1	134.1	127.0
3123.6	72.5°	2531.8	1665.3	109.0	102.3	118.3	129.7	139.4	134.9	122.8	115.9
2288.3	75°	1860.0	1182.1	87.1	87.1	100.9	114.9	125.6	122.8	111.6	106.8
960.7	77.5°	784.0	495.9	68.3	72.3	83.9	98.7	112.0	113.0	103.3	109.4
254.1	80°	208.5	136.8	52.1	56.9	65.8	81.4	97.4	97.0	86.5	80.8
94.4	82.5°	79.4	53.9	37.1	40.1	47.6	62.4	77.2	79.6	69.1	59.8
37.1	85°	30.6	23.1	22.9	24.1	27.8	41.3	58.3	60.4	52.1	44.2
10.3	87.5°	7.9	6.9	8.5	8.1	12.8	22.1	33.4	34.6	31.8	18.4
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>
559.8
534.0
494.9
459.3
437.8
431.7
436.6
443.5
443.5
433.3
414.5
389.8
361.2
329.6
301.9
289.3
270.9
245.7
225.1
211.3
201.2
195.3
180.7
173.8
165.5
157.4
147.9
137.8
127.6
115.9
105.3
99.3
75.2
59.8
45.6
26.3
0.0

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