

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: P852071

Luminaire Tested: **GLAN-SB1A-850-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852071  
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-SB1A-850-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD  
THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3808 lumens  
Efficiency: N/A  
Efficacy: 123.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

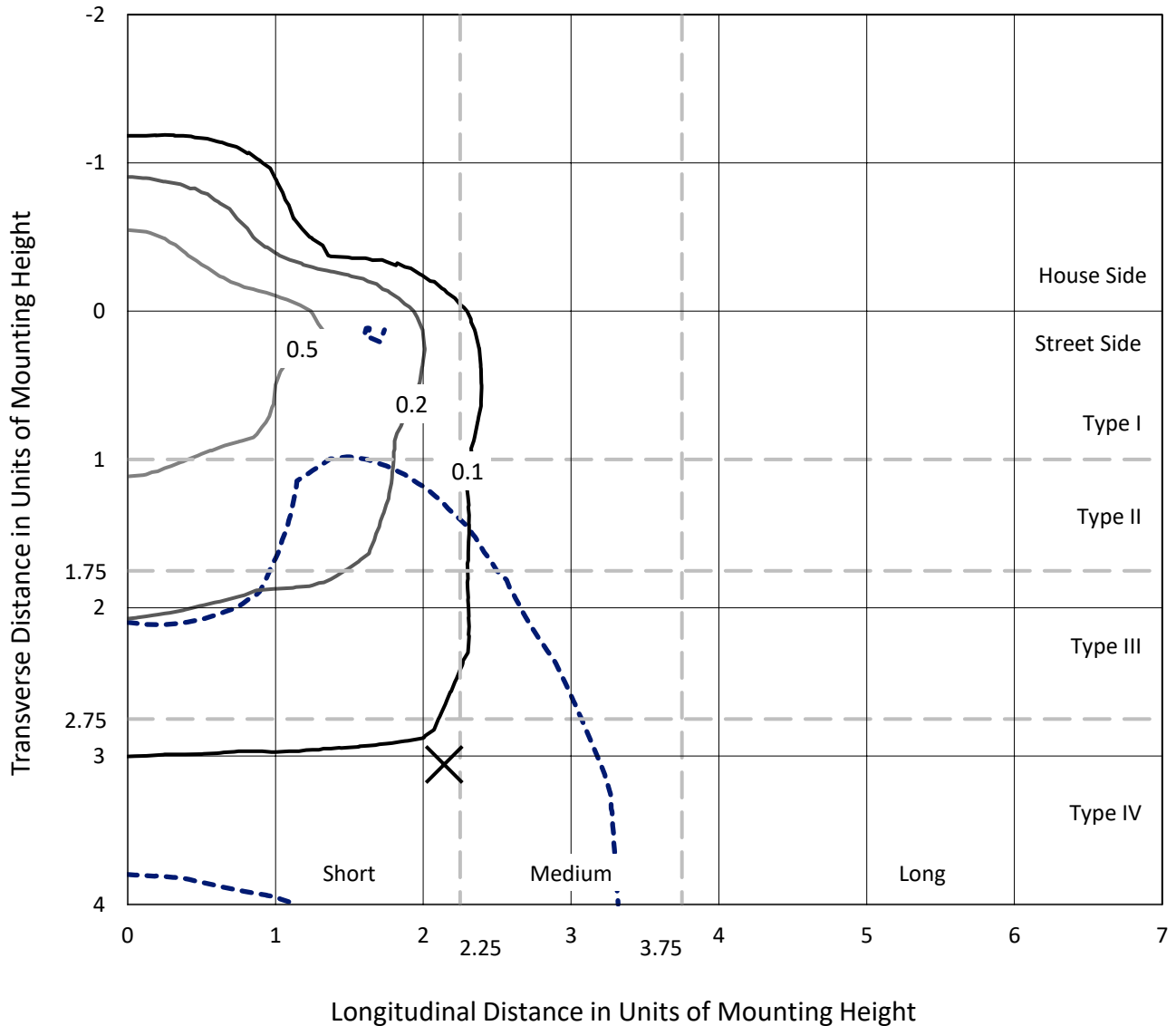
Input Watts (W): 30.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

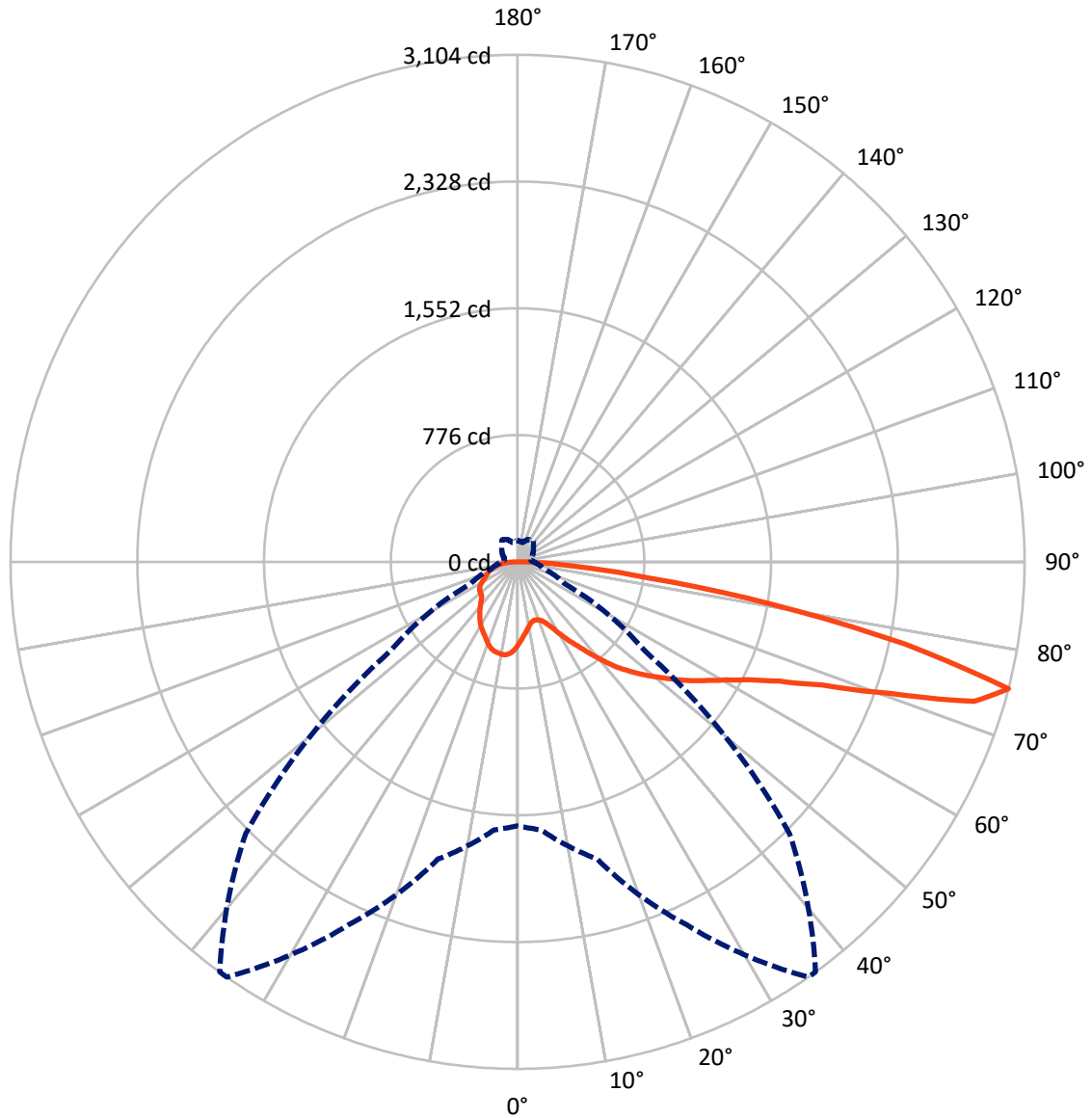
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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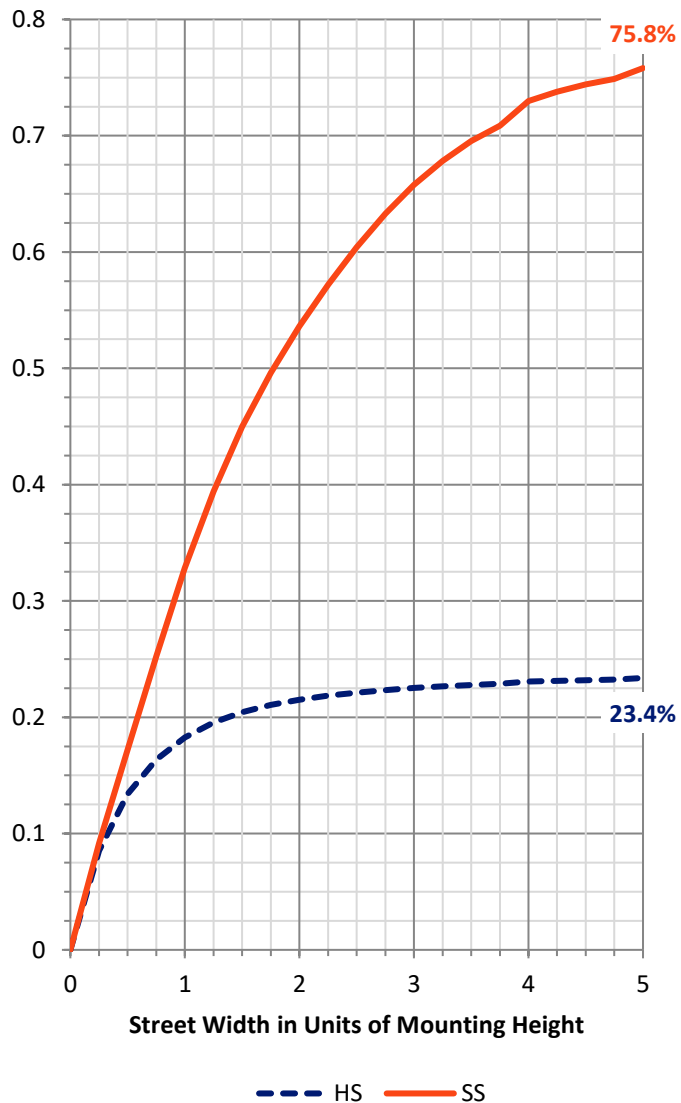
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	906.2	0.0	906.2
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	2901.8	0.0	2901.8
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	3808.0	0.0	3808.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	48.0	1.3
10°-20°	138.6	3.6
20°-30°	232.7	6.1
30°-40°	361.7	9.5
40°-50°	536.8	14.1
50°-60°	741.1	19.5
60°-70°	899.1	23.6
70°-80°	743.1	19.5
80°-90°	106.9	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°	3808.0	100.0
0°-180°	3808.0	100.0

**Coefficient of Utilization**



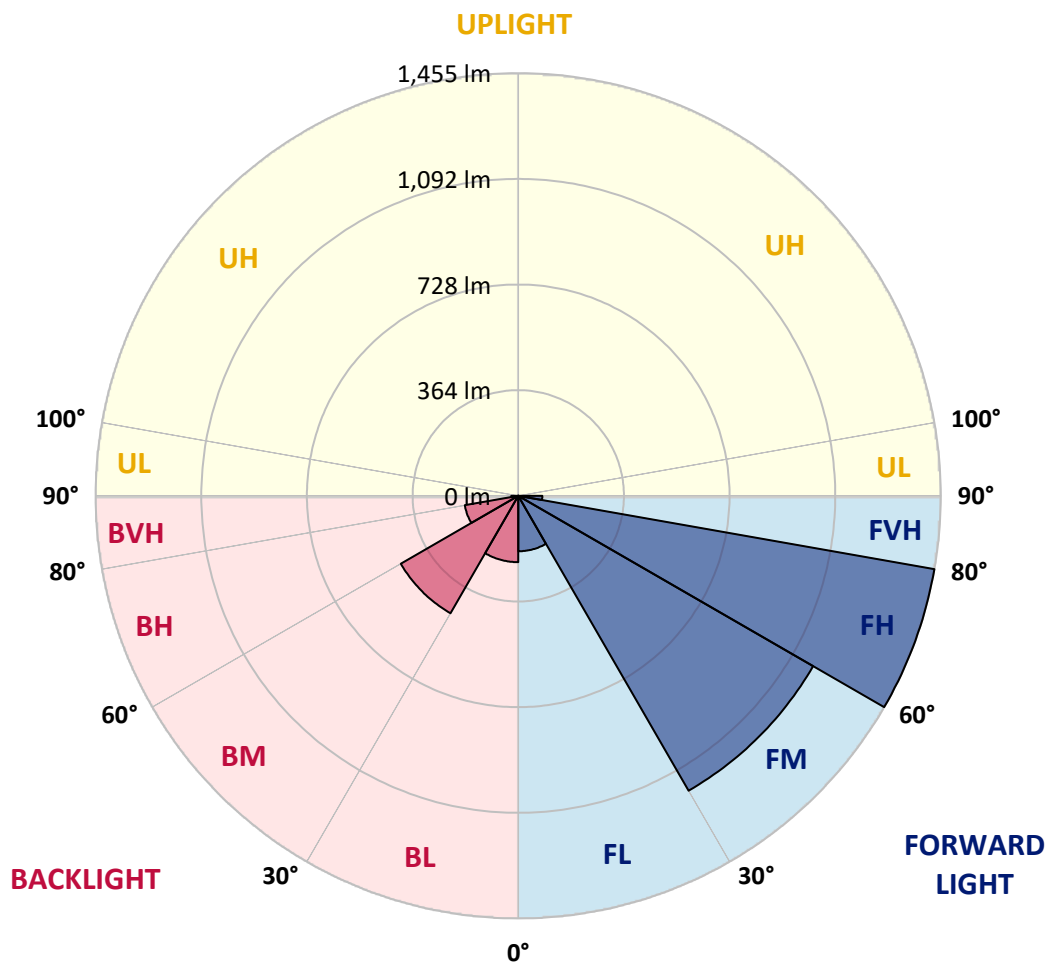
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.0	5.0			
FM (30°-60°)	1172.7	30.8			
FH (60°-80°)	1455.4	38.2			G1/1800
FVH (80°-90°)	82.8	2.2			G1/100
BL (0°-30°)	228.4	6.0	B1/500		
BM (30°-60°)	466.9	12.3	B1/1000		
BH (60°-80°)	186.8	4.9	B1/500		G1/500
BVH (80°-90°)	24.1	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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4
2.5°	467.9	470.8	472.0	471.4	474.5	474.1	478.4	483.8	491.2	498.4
5°	431.9	435.0	437.7	440.1	446.1	447.9	454.7	465.0	478.6	492.4
7.5°	398.3	401.0	405.1	409.7	419.7	421.6	432.9	449.0	467.9	488.1
10°	371.0	373.6	378.0	383.1	395.7	397.9	412.3	433.7	458.4	484.0
12.5°	359.2	360.0	362.5	367.7	378.6	380.0	395.9	420.4	449.2	480.9
15°	358.6	360.3	360.5	363.1	372.2	372.8	387.4	411.7	443.4	480.3
17.5°	364.8	366.0	364.2	365.8	373.4	374.5	386.0	407.6	441.6	482.9
20°	381.3	382.3	376.7	374.5	380.0	380.8	392.2	410.3	443.4	488.5
22.5°	416.2	416.9	403.3	394.0	394.4	394.8	404.7	421.2	450.6	498.6
25°	470.8	470.4	448.8	430.9	420.6	418.3	424.9	438.9	462.8	512.0
27.5°	534.6	531.5	509.9	483.2	460.7	457.4	456.0	461.9	480.1	529.7
30°	606.7	603.8	580.5	545.5	514.4	509.1	495.5	492.4	505.8	553.8
32.5°	685.7	683.9	656.1	613.7	572.1	565.9	543.1	534.8	545.3	590.2
35°	752.0	750.4	727.3	683.7	632.8	625.2	601.9	592.7	598.0	636.9
37.5°	811.9	811.1	791.3	756.9	704.4	695.2	669.0	666.0	664.9	698.5
40°	867.5	865.4	844.8	826.7	787.8	779.4	756.3	753.6	745.8	774.2
42.5°	929.0	923.7	893.8	885.4	874.9	867.9	854.1	854.5	837.2	859.7
45°	979.3	976.2	945.5	940.6	951.9	949.0	960.9	964.0	930.5	949.2
47.5°	1033.2	1030.3	1004.4	1000.9	1031.6	1032.4	1074.6	1075.6	1021.5	1042.3
50°	1099.7	1095.6	1069.8	1074.2	1108.5	1111.6	1188.8	1181.8	1105.3	1136.8
52.5°	1143.5	1146.0	1140.5	1147.5	1194.4	1197.3	1301.2	1283.3	1188.2	1230.0
55°	1175.9	1180.8	1198.1	1214.2	1285.0	1287.9	1407.3	1379.9	1257.0	1316.5
57.5°	1217.4	1210.4	1242.8	1274.1	1371.0	1378.6	1510.4	1472.9	1317.9	1391.0
60°	1277.1	1272.2	1297.3	1343.6	1467.4	1479.5	1619.5	1556.7	1362.6	1450.1
62.5°	1398.2	1385.8	1389.8	1430.7	1588.8	1604.9	1742.6	1629.8	1384.8	1473.1
65°	1579.1	1557.9	1538.2	1566.6	1759.9	1775.7	1881.5	1687.2	1376.6	1428.5
67.5°	1807.0	1786.0	1761.7	1788.5	2011.9	2024.4	2053.0	1719.5	1311.7	1256.4
70°	1995.0	1987.2	2016.2	2126.3	2414.3	2414.7	2272.9	1692.8	1134.1	890.8
72.5°	1970.1	1965.3	2118.3	2458.8	2921.5	2910.6	2481.0	1490.2	763.9	401.8
75°	1616.2	1646.9	1883.8	2452.8	3103.7	3102.3	2353.6	947.4	316.0	166.5
77.5°	866.7	915.2	1223.0	1810.9	2423.0	2459.4	1654.7	331.4	135.7	106.6
80°	282.6	325.1	487.5	922.0	1574.4	1567.6	709.2	130.1	92.8	75.6
82.5°	120.0	125.0	217.8	435.4	808.0	795.4	225.8	74.7	65.3	51.7
85°	46.9	52.5	96.1	201.3	350.0	342.3	81.5	37.1	41.8	33.8
87.5°	15.4	18.7	34.4	69.0	108.9	105.0	20.0	12.8	18.1	15.4
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°
507.4	0°	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4	507.4
508.9	2.5°	511.8	515.1	519.0	524.7	529.7	533.8	538.1	540.8	541.8	544.9
509.7	5°	515.5	522.7	532.4	541.8	551.1	556.6	561.6	564.1	566.3	568.0
512.0	7.5°	521.6	530.9	546.1	558.5	566.3	570.8	574.1	573.3	574.1	574.6
514.4	10°	527.0	540.0	558.1	569.8	575.8	576.0	575.2	572.3	570.8	571.1
518.1	12.5°	533.4	547.8	567.3	577.2	578.9	574.3	570.8	565.9	564.1	563.2
523.7	15°	542.0	558.5	577.4	581.1	577.0	571.3	565.3	557.3	553.1	549.8
533.2	17.5°	552.5	570.6	585.3	582.6	573.7	564.3	554.6	542.4	534.0	530.5
546.1	20°	567.1	583.4	591.2	579.5	566.1	551.7	535.2	520.4	512.6	509.1
562.6	22.5°	584.8	600.5	597.0	574.1	555.2	532.1	511.6	500.6	496.7	494.3
583.8	25°	606.0	619.4	601.1	566.3	537.3	506.2	490.4	486.9	485.0	483.2
609.8	27.5°	633.6	640.8	604.2	554.8	509.3	478.6	472.9	473.5	472.9	469.8
645.8	30°	670.1	668.6	607.1	536.1	477.2	453.7	454.1	456.8	457.2	455.2
696.0	32.5°	718.0	703.4	608.5	511.8	446.5	431.9	432.3	435.2	437.2	433.7
761.7	35°	776.1	744.0	606.3	481.3	422.8	411.1	408.0	408.8	409.5	406.2
841.3	37.5°	843.8	789.5	596.2	447.5	403.3	390.7	384.1	378.6	375.3	372.2
931.5	40°	918.1	839.1	577.6	414.6	381.5	369.1	359.2	348.7	337.6	333.5
1027.0	42.5°	995.9	890.1	555.2	383.1	356.3	346.3	335.8	320.5	303.8	295.4
1126.3	45°	1076.6	942.4	533.2	352.0	330.6	326.3	314.1	295.8	277.7	267.0
1225.7	47.5°	1155.7	991.8	500.9	320.7	306.5	311.3	301.8	284.9	264.7	247.9
1324.3	50°	1231.2	1038.1	447.9	289.0	287.0	306.7	297.7	273.4	250.3	228.7
1421.0	52.5°	1306.2	1075.6	380.2	260.2	276.5	305.5	292.3	265.6	237.4	214.7
1512.0	55°	1369.8	1095.0	315.0	235.5	261.2	295.0	285.9	256.3	219.0	194.9
1574.4	57.5°	1406.0	1079.3	260.6	211.2	240.2	277.7	275.0	236.5	197.2	178.7
1586.6	60°	1390.4	1015.9	216.2	190.0	220.3	259.0	256.1	217.0	180.5	163.0
1521.5	62.5°	1304.1	895.1	180.9	171.5	202.2	239.8	237.1	201.9	167.8	150.9
1348.8	65°	1130.4	728.1	153.6	156.0	183.8	216.8	220.7	189.4	157.7	141.2
1043.5	67.5°	862.1	527.4	132.2	142.7	165.9	194.1	205.4	180.3	149.2	133.6
603.8	70°	491.4	299.5	114.0	129.7	150.1	173.1	193.7	173.1	140.2	127.2
226.2	72.5°	186.3	137.5	98.6	116.7	134.8	155.4	180.7	161.8	129.7	120.0
116.9	75°	99.4	83.8	83.0	101.5	117.3	138.1	164.5	150.7	121.9	126.8
80.9	77.5°	67.7	59.3	69.4	86.9	98.2	119.0	147.2	133.8	105.6	105.2
56.0	80°	46.9	42.0	56.4	70.0	76.0	100.0	128.5	114.9	86.0	80.3
34.6	82.5°	28.2	27.4	42.2	52.3	53.7	77.2	106.4	96.3	70.4	61.3
20.6	85°	15.4	16.3	27.0	30.7	31.3	53.9	83.4	74.5	54.1	45.5
7.4	87.5°	4.3	5.6	9.9	12.1	15.0	28.0	49.6	44.3	27.2	18.9
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°
507.4
544.7
568.4
575.2
571.5
562.8
550.9
530.7
508.7
494.7
483.2
470.4
456.2
435.4
408.4
374.3
335.3
296.4
266.2
246.0
226.9
212.2
192.9
176.2
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148.2
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