

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: P850285

Luminaire Tested: **GLAN-SB7D-722-U-T2-HSS**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850285  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB7D-722-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II  
OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 41324 lumens  
Efficiency: N/A  
Efficacy: 80.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

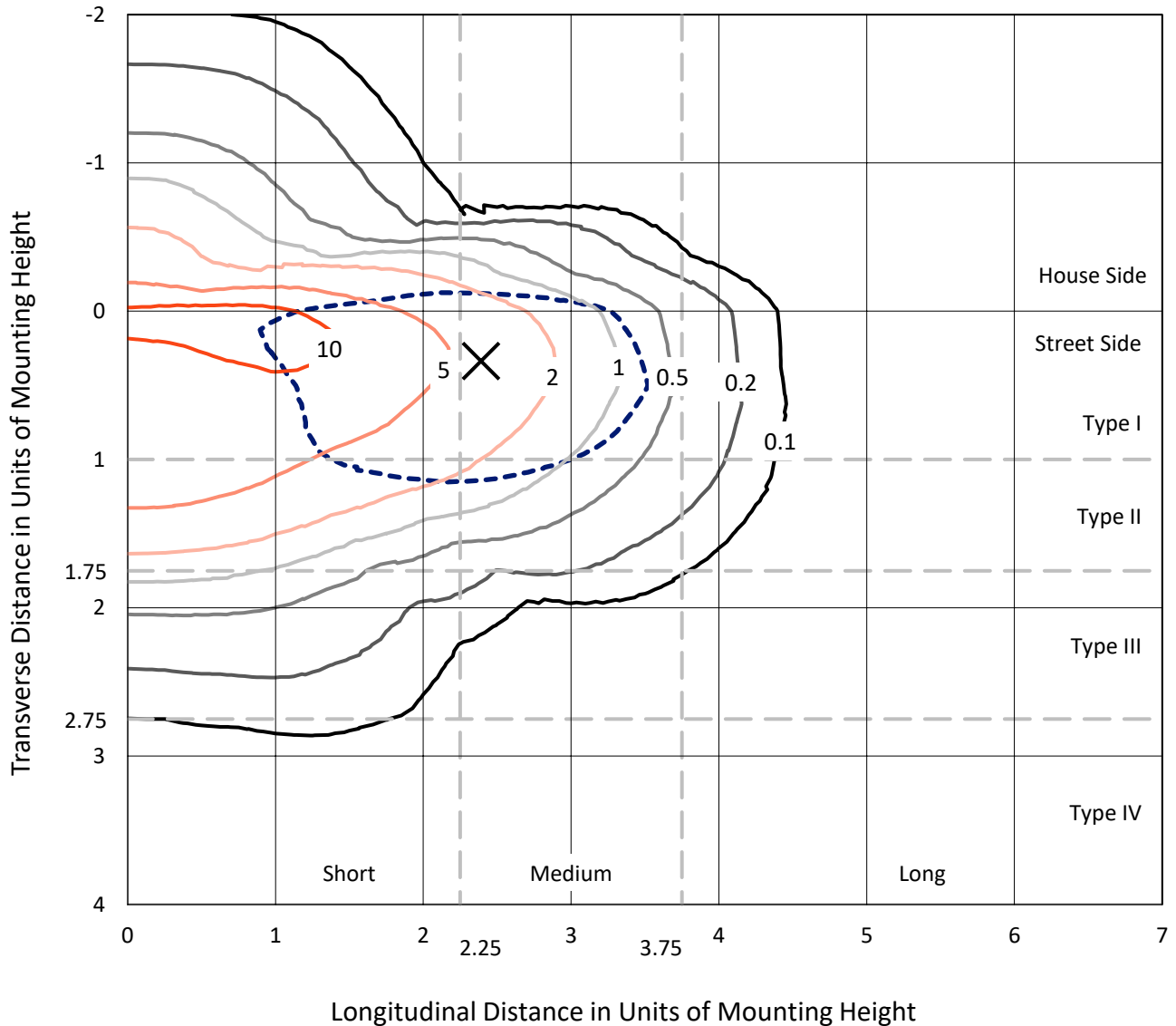
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

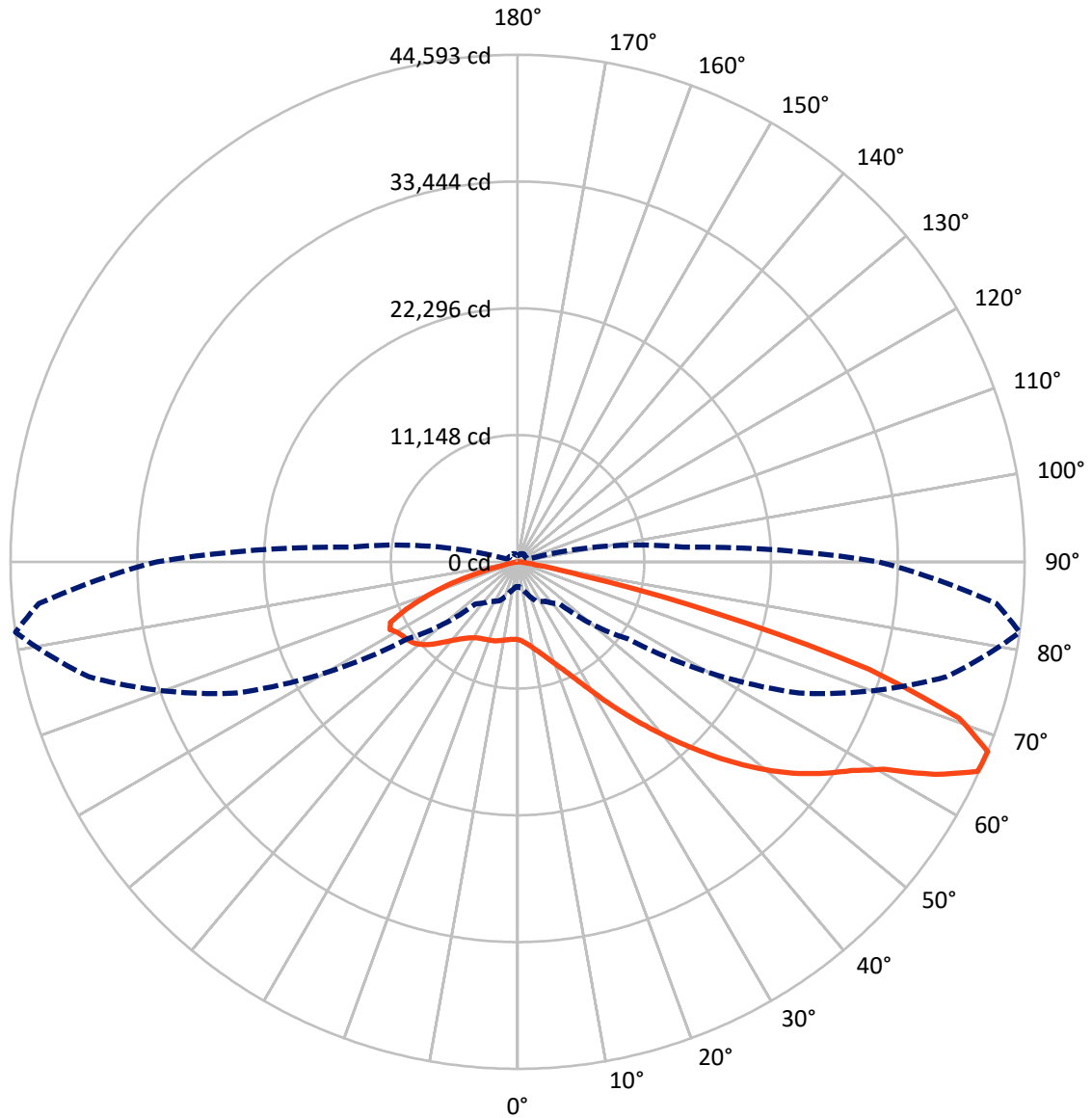
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.5 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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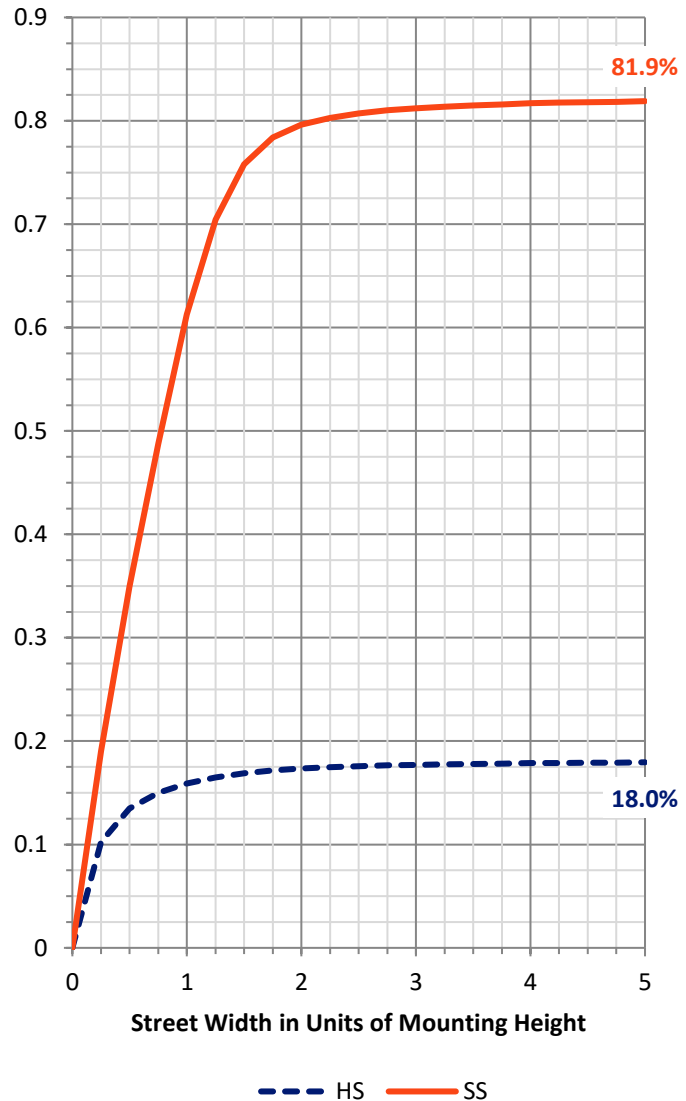
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7485.5	0.0	7485.5
	% Fixture	18.1	0.0	18.1
<b>Street Side</b>	Lumens	33838.5	0.0	33838.5
	% Fixture	81.9	0.0	81.9
<b>Total</b>	Lumens	41324.0	0.0	41324.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	609.9	1.5
10°-20°	1585.0	3.8
20°-30°	2538.6	6.1
30°-40°	4489.0	10.9
40°-50°	7865.2	19.0
50°-60°	10489.9	25.4
60°-70°	9765.6	23.6
70°-80°	3748.0	9.1
80°-90°	232.8	0.6
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°	41324.0	100.0
0°-180°	41324.0	100.0

**Coefficient of Utilization**

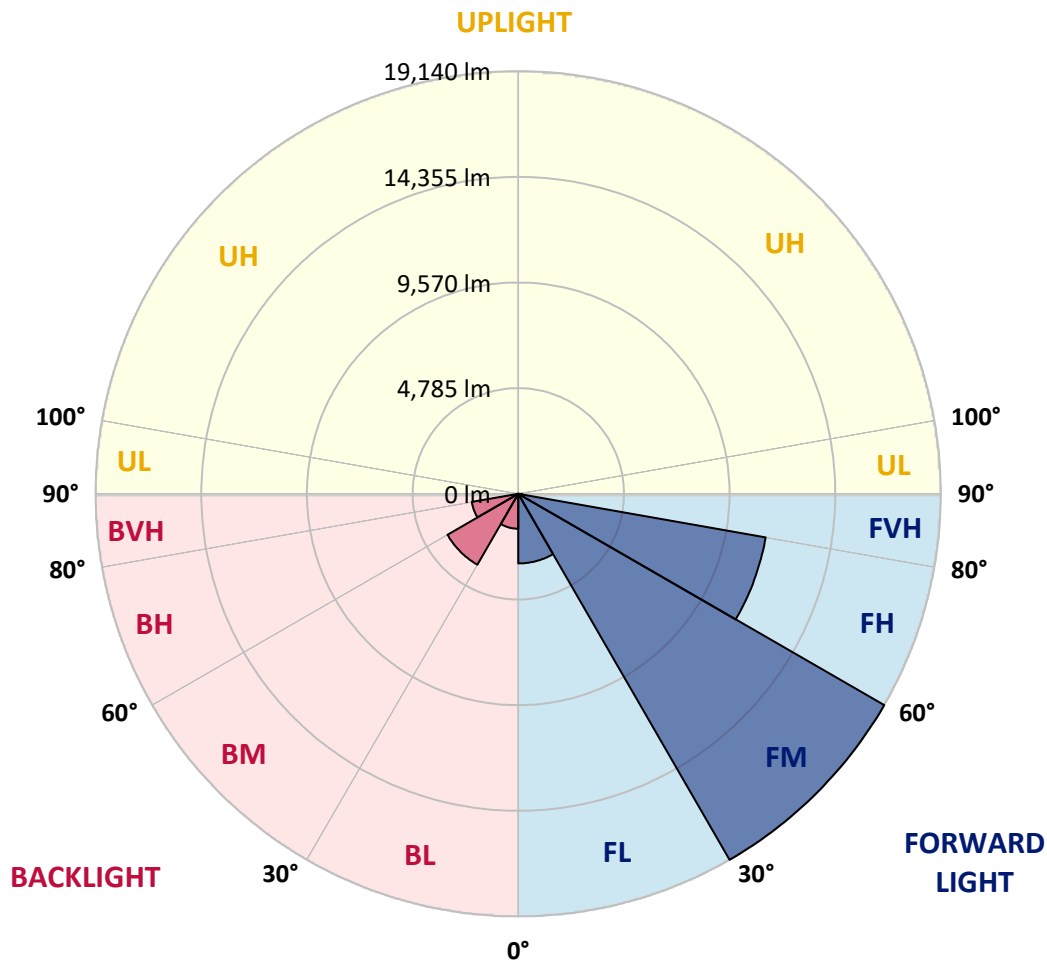


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3152.6	7.6			
FM (30°-60°)	19139.6	46.3			
FH (60°-80°)	11377.1	27.5			G4/12000
FVH (80°-90°)	169.2	0.4			G2/225
BL (0°-30°)	1580.9	3.8	B3/2500		
BM (30°-60°)	3704.5	9.0	B3/5000		
BH (60°-80°)	2136.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	63.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**  
 Type II Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	6846.0	6846.0	6846.0	6846.0	6846.0	6846.0	6846.0	6846.0	6846.0	6846.0
2.5°	7235.7	7277.4	7253.6	7241.7	7220.9	7191.1	7167.3	7092.9	7015.6	6965.0
5°	7381.5	7423.2	7420.2	7432.1	7447.0	7455.9	7450.0	7366.7	7256.6	7170.3
7.5°	7256.6	7304.2	7342.9	7402.4	7506.5	7616.6	7670.1	7652.3	7539.2	7420.2
10°	6902.5	6953.1	7045.3	7185.2	7405.3	7643.3	7842.7	7934.9	7863.5	7732.6
12.5°	6253.9	6304.5	6486.0	6789.5	7158.4	7571.9	7952.8	8199.7	8217.6	8086.7
15°	5525.0	5575.6	5769.0	6149.8	6712.1	7375.6	8012.3	8479.4	8637.1	8524.0
17.5°	5072.8	5117.4	5263.2	5569.6	6155.7	6982.8	7991.4	8776.9	9136.9	9047.7
20°	4935.9	4974.6	5043.0	5257.2	5745.2	6575.2	7854.6	9056.6	9675.4	9624.8
22.5°	5081.7	5117.4	5138.2	5233.4	5539.9	6307.5	7682.0	9342.2	10300.2	10306.2
25°	5417.9	5453.6	5429.8	5489.3	5623.2	6224.2	7616.6	9678.4	11085.7	11151.1
27.5°	5971.3	5974.2	5917.7	5914.7	5935.6	6349.1	7685.0	10038.4	12076.4	12198.4
30°	7081.0	7036.4	6819.2	6584.2	6477.1	6724.0	7875.4	10463.9	13245.7	13462.9
32.5°	8791.8	8726.3	8327.6	7765.3	7200.0	7328.0	8217.6	10948.8	14519.1	14911.8
35°	10648.3	10630.5	10213.9	9377.9	8390.1	8187.8	8773.9	11585.5	15908.5	16533.3
37.5°	12374.0	12365.0	12127.0	11142.2	9940.2	9386.8	9666.5	12418.6	17396.1	18300.6
40°	13950.8	13977.6	13739.6	12858.9	11648.0	10925.0	10880.4	13448.0	19050.4	20225.6
42.5°	15313.5	15343.2	15102.2	14450.7	13334.9	12626.8	12371.0	14709.5	20665.9	22293.3
45°	16238.8	16423.2	16387.5	15866.9	15066.5	14331.6	14162.1	16292.3	22507.6	24486.1
47.5°	16500.6	16670.2	16937.9	17009.4	16521.4	15798.4	16000.7	18199.4	24370.1	26681.8
50°	15855.0	16012.7	16569.0	17309.8	17649.0	17425.9	17788.9	20243.4	26277.2	28871.6
52.5°	14581.6	14742.2	15444.4	16616.6	18000.1	18702.3	19582.9	22257.6	28124.8	30945.3
55°	12739.9	12909.5	13811.0	15137.9	17330.7	19228.9	21079.5	24268.9	29817.7	32810.8
57.5°	10234.8	10359.7	11296.9	13153.5	15646.7	18705.2	22183.3	26464.6	31412.4	34643.5
60°	6670.5	6780.5	7869.5	9940.2	12855.9	16955.8	22403.4	28913.2	33530.8	37026.7
62.5°	4436.1	4510.4	5156.1	6676.4	9053.6	13596.8	21115.2	30867.9	36636.9	41174.1
65°	3043.7	3118.0	3763.7	4822.8	5849.3	8994.1	17411.0	30609.1	39451.5	44467.7
67.5°	2171.9	2234.4	2781.8	3781.5	4233.7	5224.5	11802.7	27300.6	39046.8	44592.6
70°	1556.0	1591.7	2044.0	2945.5	3365.0	3138.9	6563.3	20880.1	34188.3	41177.1
72.5°	1088.9	1100.8	1419.2	2243.3	2710.4	2290.9	3124.0	13921.1	25857.7	32319.8
75°	737.9	752.7	955.0	1645.3	2174.9	1749.4	1654.2	7464.8	15179.6	17890.0
77.5°	452.2	458.2	615.9	1124.6	1627.4	1332.9	1065.1	3162.7	5873.1	5766.0
80°	255.9	255.9	392.7	699.2	1109.8	859.8	746.8	1344.8	1859.5	1633.4
82.5°	142.8	145.8	285.6	434.4	734.9	508.8	410.6	621.8	803.3	711.1
85°	59.5	65.5	175.5	205.3	351.1	252.9	166.6	261.8	297.5	264.8
87.5°	6.0	8.9	53.6	38.7	41.7	50.6	23.8	50.6	41.7	41.7
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°
6846.0	0°	6846.0	6846.0	6846.0	6846.0	6846.0	6846.0	6846.0	6846.0	6846.0	6846.0
6947.1	2.5°	6890.6	6846.0	6732.9	6602.0	6429.5	6346.2	6233.1	6155.7	6090.3	6096.2
7119.7	5°	7024.5	6911.4	6658.5	6343.2	5950.4	5670.8	5373.3	5168.0	5001.4	4965.6
7357.7	7.5°	7209.0	7030.5	6587.1	6018.9	5355.4	4852.6	4403.3	4114.7	3909.4	3844.0
7646.3	10°	7447.0	7188.1	6494.9	5611.3	4656.2	4016.6	3534.6	3308.4	3168.6	3121.0
7985.5	12.5°	7723.7	7369.6	6372.9	5114.4	3936.2	3320.3	3013.9	2900.8	2856.2	2841.3
8402.0	15°	8071.8	7595.7	6188.5	4525.3	3326.3	2894.9	2764.0	2749.1	2755.1	2749.1
8901.9	17.5°	8485.3	7842.7	5888.0	3918.4	2915.7	2677.7	2630.1	2642.0	2656.9	2653.9
9461.2	20°	8937.6	8086.7	5504.2	3379.9	2636.0	2523.0	2496.2	2508.1	2520.0	2514.1
10106.8	22.5°	9452.3	8348.5	5078.7	2960.3	2448.6	2380.2	2350.4	2353.4	2353.4	2341.5
10925.0	25°	10068.2	8637.1	4632.4	2662.8	2305.8	2252.2	2216.5	2204.6	2186.8	2151.1
11918.7	27.5°	10803.0	8943.5	4204.0	2454.6	2192.7	2142.2	2100.5	2070.8	2026.1	1966.6
13111.8	30°	11630.1	9315.4	3841.0	2323.6	2103.5	2052.9	2005.3	1960.7	1895.2	1820.8
14483.4	32.5°	12603.0	9714.1	3576.2	2237.4	2023.2	1969.6	1913.1	1859.5	1788.1	1713.7
16024.6	35°	13763.4	10196.1	3421.5	2177.9	1960.7	1889.3	1826.8	1767.3	1713.7	1648.3
17699.6	37.5°	15021.9	10707.8	3373.9	2148.1	1919.0	1808.9	1737.5	1695.9	1689.9	1651.2
19511.5	40°	16399.4	11314.8	3409.6	2130.3	1874.4	1731.6	1654.2	1645.3	1660.2	1591.7
21448.4	42.5°	17857.3	12034.8	3469.1	2109.4	1811.9	1654.2	1579.8	1579.8	1567.9	1472.7
23495.3	45°	19434.2	12864.9	3528.6	2058.9	1737.5	1576.9	1520.3	1499.5	1448.9	1356.7
25554.2	47.5°	21022.9	13709.8	3573.2	1966.6	1648.3	1511.4	1460.8	1413.2	1338.9	1255.5
27574.4	50°	22531.4	14468.5	3525.6	1829.8	1547.1	1448.9	1395.4	1329.9	1249.6	1193.1
29487.4	52.5°	23879.1	15126.0	3323.3	1669.1	1440.0	1383.5	1335.9	1267.4	1202.0	1142.5
31213.1	55°	25051.4	15658.6	2966.3	1517.4	1344.8	1326.9	1279.3	1193.1	1103.8	1053.2
32923.8	57.5°	26176.0	16063.2	2520.0	1392.4	1258.5	1264.5	1193.1	1115.7	1032.4	978.8
35229.6	60°	27672.6	16604.7	2067.8	1276.4	1166.3	1184.1	1106.8	1050.3	946.1	877.7
39183.7	62.5°	30064.6	17446.7	1642.3	1133.6	1059.2	1065.1	1032.4	964.0	839.0	758.7
42114.3	65°	31962.8	17137.3	1294.2	978.8	937.2	946.1	946.1	871.7	737.9	645.6
42272.0	67.5°	31748.6	14673.8	1032.4	827.1	821.2	827.1	847.9	785.5	654.5	580.2
39052.8	70°	29246.4	11671.8	827.1	687.3	714.1	699.2	758.7	717.0	589.1	514.7
30275.9	72.5°	23864.3	8408.0	630.7	568.3	547.4	571.2	684.3	645.6	490.9	407.6
16036.5	75°	13944.9	4486.6	470.1	449.3	395.7	476.0	606.9	550.4	374.9	300.5
4915.1	77.5°	4540.2	1565.0	345.1	330.2	294.5	383.8	517.7	464.1	306.4	238.0
1440.0	80°	1216.9	473.1	235.0	217.2	190.4	285.6	410.6	368.9	220.2	154.7
618.8	82.5°	487.9	199.3	136.9	122.0	104.1	196.4	324.3	297.5	163.6	98.2
193.4	85°	157.7	65.5	50.6	38.7	47.6	122.0	193.4	202.3	116.0	50.6
29.8	87.5°	20.8	8.9	8.9	11.9	8.9	20.8	59.5	56.5	32.7	6.0
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°
6846.0
6036.7
4885.3
3778.5
3085.3
2832.4
2746.1
2647.9
2511.1
2335.6
2145.1
1960.7
1814.9
1716.7
1642.3
1648.3
1594.7
1472.7
1353.7
1252.6
1184.1
1136.5
1047.3
972.9
868.8
752.7
636.7
568.3
505.8
398.7
291.6
229.1
151.7
98.2
38.7
0.0
0.0

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