

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: P850238

Luminaire Tested: **GLAN-SB7C-927-U-T3**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850238  
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-SB7C-927-U-T3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34322 lumens  
Efficiency: N/A  
Efficacy: 97.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

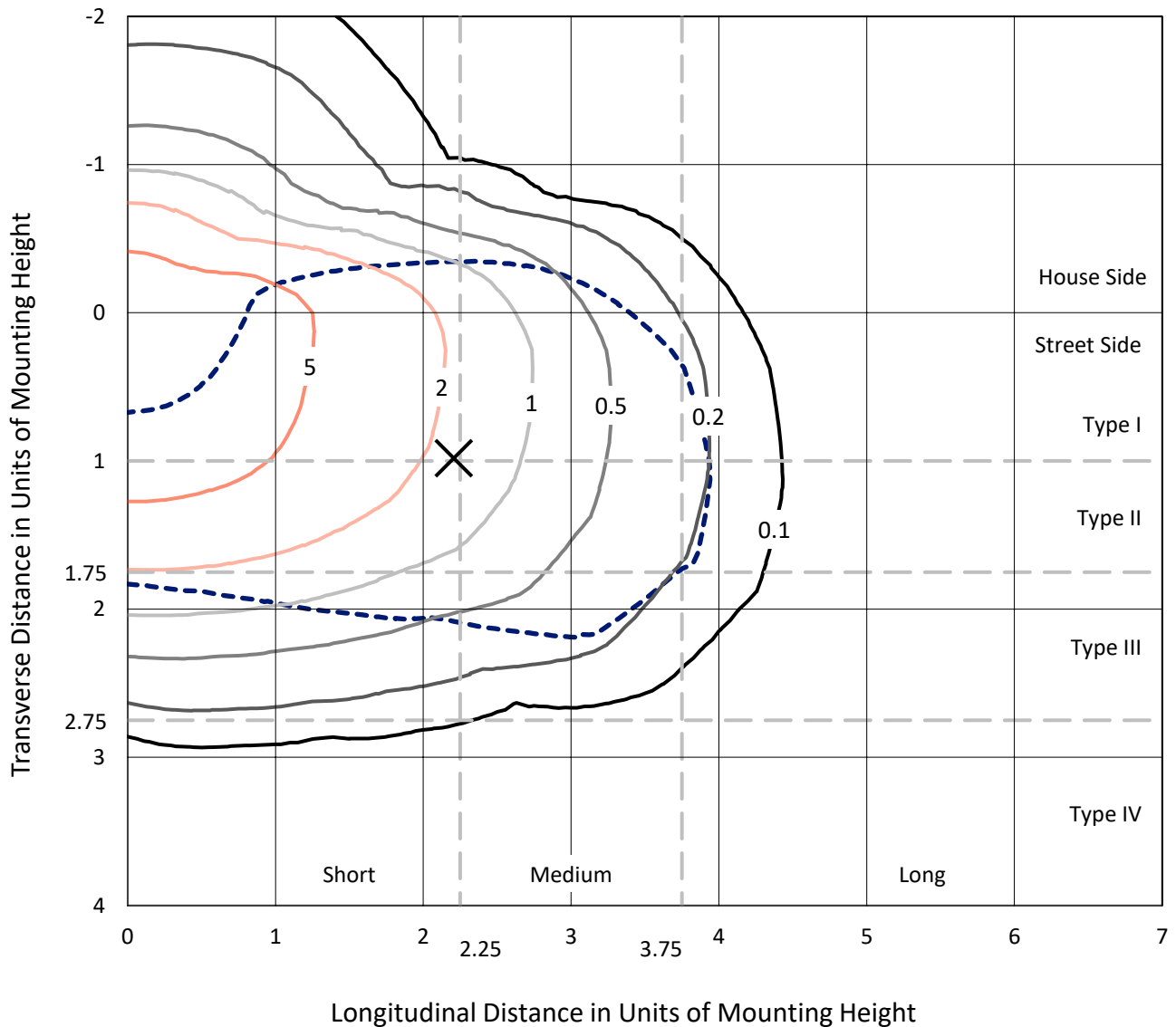
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

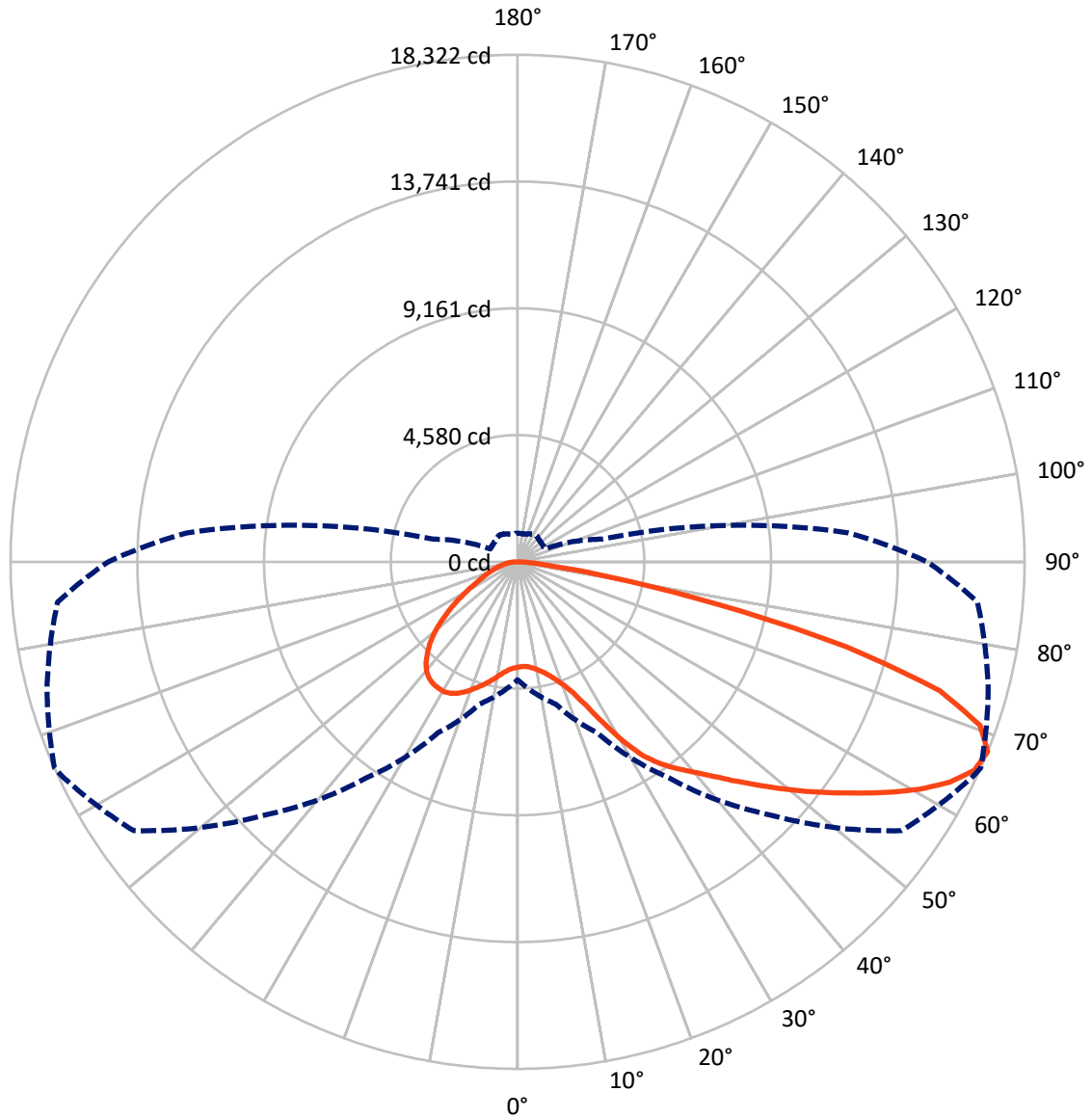
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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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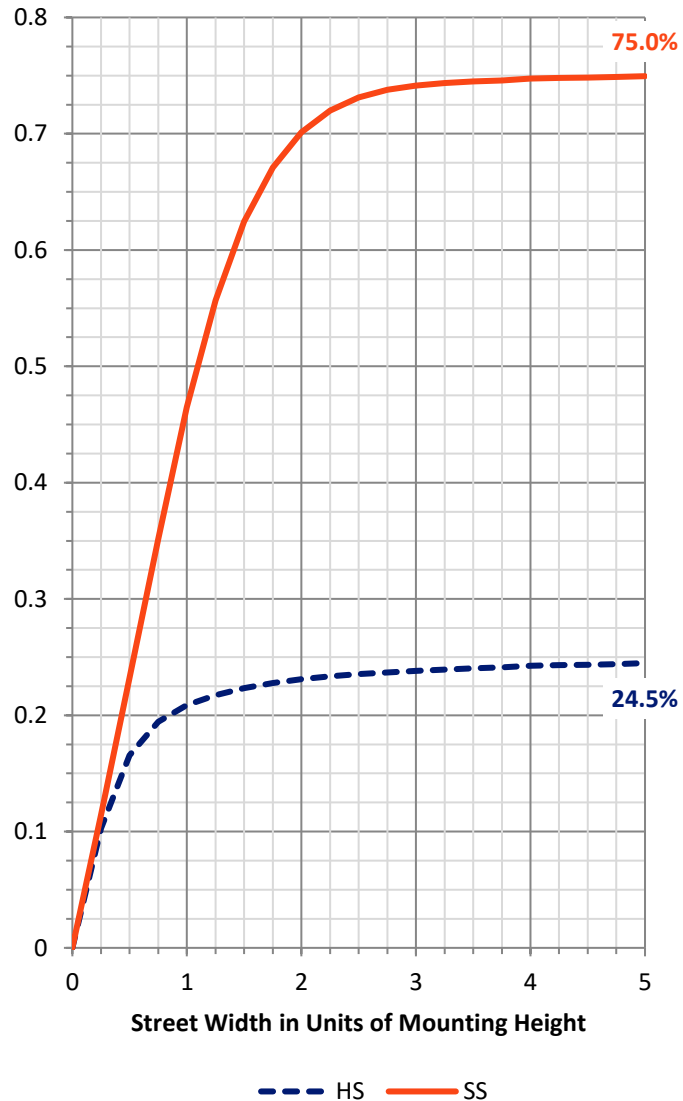
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8534.1	0.0	8534.1
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	25787.9	0.0	25787.9
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	34322.0	0.0	34322.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	377.4	1.1
10°-20°	1247.0	3.6
20°-30°	2403.5	7.0
30°-40°	4214.1	12.3
40°-50°	6265.0	18.3
50°-60°	7941.6	23.1
60°-70°	7770.6	22.6
70°-80°	3706.7	10.8
80°-90°	396.1	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°	34322.0	100.0
0°-180°	34322.0	100.0

**Coefficient of Utilization**



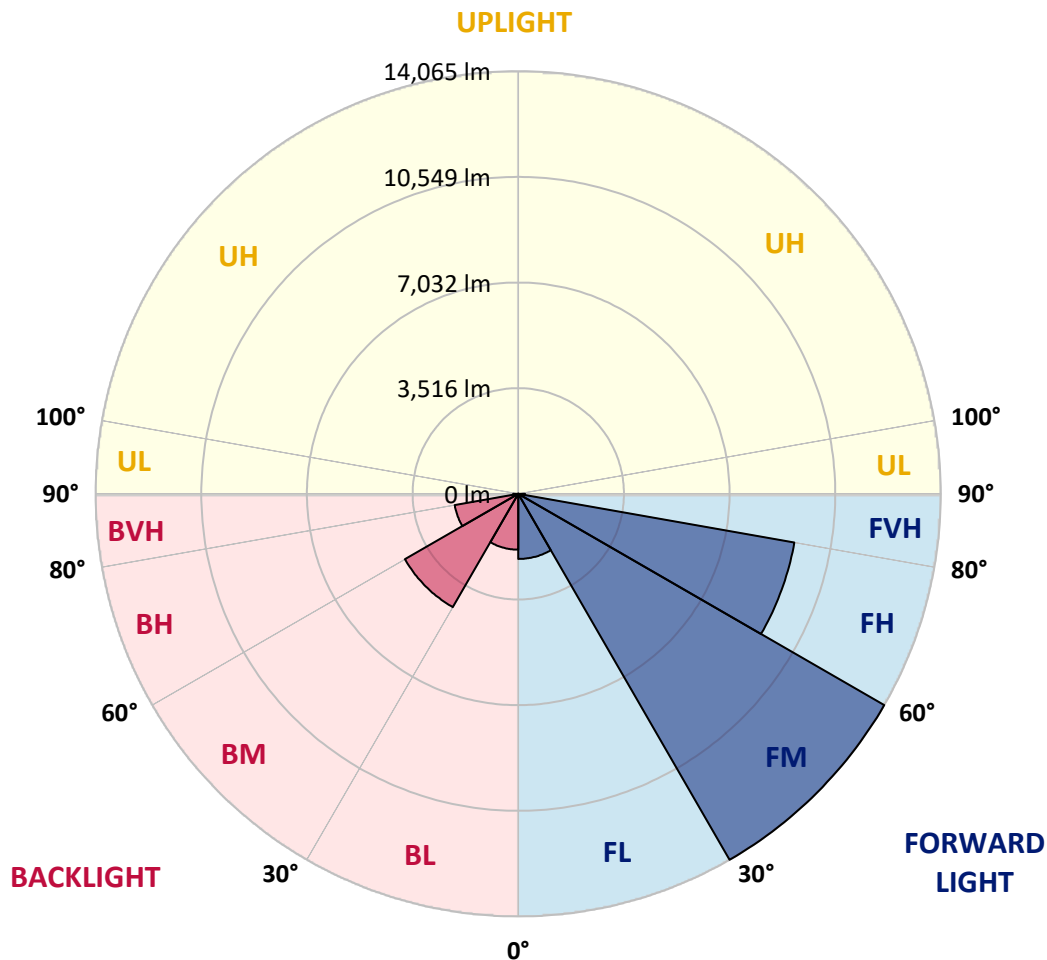
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2168.8	6.3			
FM (30°-60°)	14064.9	41.0			
FH (60°-80°)	9329.7	27.2			G4/12000
FVH (80°-90°)	224.6	0.7			G2/225
BL (0°-30°)	1859.0	5.4	B3/2500		
BM (30°-60°)	4355.9	12.7	B3/5000		
BH (60°-80°)	2147.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	171.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	3806.8	3806.8	3806.8	3806.8	3806.8	3806.8	3806.8	3806.8	3806.8	3806.8
2.5°	3767.1	3788.7	3783.3	3774.3	3772.5	3776.1	3781.5	3786.9	3785.1	3794.1
5°	3756.3	3777.9	3776.1	3776.1	3783.3	3797.7	3806.8	3815.8	3806.8	3817.6
7.5°	3763.5	3779.7	3786.9	3794.1	3812.2	3839.2	3860.9	3880.7	3869.9	3882.5
10°	3855.5	3868.1	3875.3	3875.3	3887.9	3918.6	3940.2	3976.3	3967.3	3987.1
12.5°	4023.2	4035.8	4035.8	4028.6	4037.6	4057.4	4064.6	4104.3	4088.1	4120.5
15°	4228.7	4254.0	4234.1	4221.5	4225.1	4245.0	4243.2	4273.8	4257.6	4284.6
17.5°	4456.0	4488.4	4456.0	4454.1	4446.9	4468.6	4470.4	4497.4	4468.6	4488.4
20°	4724.6	4769.7	4742.7	4751.7	4735.5	4744.5	4753.5	4793.2	4748.1	4762.5
22.5°	5103.3	5157.4	5128.6	5162.8	5152.0	5144.8	5143.0	5213.3	5143.0	5148.4
25°	5655.1	5720.1	5669.6	5716.5	5716.5	5739.9	5766.9	5857.1	5739.9	5705.6
27.5°	6470.2	6535.2	6436.0	6464.8	6455.8	6513.5	6484.7	6708.3	6582.0	6526.1
30°	7451.2	7566.6	7379.1	7371.9	7362.9	7454.8	7496.3	7644.2	7516.1	7460.2
32.5°	8511.6	8632.4	8408.8	8343.9	8309.6	8365.5	8331.2	8450.3	8361.9	8275.3
35°	9633.2	9752.2	9539.4	9413.2	9276.2	9159.0	9036.3	9067.0	8984.0	8852.4
37.5°	10693.6	10911.8	10686.3	10551.1	10298.6	10069.6	9727.0	9584.5	9507.0	9386.2
40°	11773.7	11898.2	11726.9	11611.4	11337.3	10978.5	10430.3	10129.1	10024.5	9907.3
42.5°	12569.0	12688.0	12596.0	12516.7	12302.1	11885.5	11176.8	10800.0	10648.5	10516.8
45°	13200.1	13288.5	13230.8	13259.7	13167.7	12763.7	11950.5	11519.5	11362.6	11202.1
47.5°	13454.4	13548.2	13640.2	13811.5	13968.4	13670.8	12781.8	12298.5	12132.6	11968.5
50°	13425.6	13521.1	13788.0	14152.3	14639.2	14540.0	13658.2	13128.0	12974.7	12787.2
52.5°	13194.7	13302.9	13645.6	14251.5	15026.9	15191.0	14550.8	13984.6	13840.3	13616.7
55°	12588.8	12653.7	13167.7	14026.1	15118.9	15645.4	15425.4	14897.0	14752.8	14440.8
57.5°	11465.4	11559.1	12307.5	13418.3	14888.0	15953.8	16193.6	15856.4	15717.6	15268.5
60°	9999.3	10149.0	11005.5	12397.7	14300.2	15952.0	16891.5	16799.5	16684.1	16083.6
62.5°	8340.3	8513.4	9337.5	10955.0	13272.3	15499.4	17327.9	17589.4	17529.9	16835.6
65°	6405.3	6524.3	7344.8	9088.6	11672.8	14527.4	17378.4	18128.6	18139.4	17407.2
67.5°	4264.8	4607.4	5319.7	6820.1	9530.4	12938.7	16934.8	18216.9	18321.5	17603.8
70°	2081.0	2531.8	3229.7	4432.5	6820.1	10502.4	15775.3	17492.0	17724.6	17030.4
72.5°	863.8	1009.8	1390.3	2187.4	3915.0	7087.0	13445.4	15526.4	15957.4	15090.0
75°	582.5	631.2	795.3	1121.7	1783.5	3494.8	9696.3	11577.2	12271.4	11396.8
77.5°	449.0	479.7	578.9	784.4	1060.3	1321.8	5189.9	6977.0	7335.8	6791.2
80°	353.4	376.9	432.8	571.6	752.0	706.9	1769.0	3161.2	3368.6	2825.8
82.5°	306.6	315.6	310.2	387.7	499.5	413.0	580.7	1166.7	1287.6	934.1
85°	221.8	247.1	257.9	239.8	265.1	209.2	238.0	413.0	454.4	405.7
87.5°	90.2	133.4	164.1	155.1	97.4	59.5	73.9	120.8	138.9	151.5
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°
3806.8	0°	3806.8	3806.8	3806.8	3806.8	3806.8	3806.8	3806.8	3806.8	3806.8	3806.8
3808.6	2.5°	3810.4	3823.0	3832.0	3842.8	3850.0	3860.9	3882.5	3895.1	3896.9	3905.9
3837.4	5°	3844.6	3862.7	3882.5	3911.4	3943.8	3970.9	4012.3	4041.2	4052.0	4061.0
3907.7	7.5°	3918.6	3943.8	3979.9	4030.4	4077.3	4113.3	4163.8	4198.1	4232.3	4245.0
4019.6	10°	4028.6	4064.6	4116.9	4185.5	4235.9	4282.8	4335.1	4364.0	4398.2	4412.7
4153.0	12.5°	4165.6	4203.5	4272.0	4367.6	4414.5	4446.9	4465.0	4457.8	4465.0	4477.6
4313.5	15°	4322.5	4364.0	4441.5	4544.3	4576.8	4547.9	4508.2	4472.2	4466.8	4470.4
4508.2	17.5°	4508.2	4538.9	4629.1	4715.6	4692.2	4573.2	4486.6	4428.9	4400.0	4391.0
4757.1	20°	4767.9	4767.9	4841.9	4896.0	4739.1	4537.1	4401.9	4308.1	4248.6	4223.3
5096.1	22.5°	5083.5	5054.6	5101.5	5063.7	4730.1	4436.1	4248.6	4086.3	3996.1	3960.0
5570.4	25°	5483.8	5449.6	5436.9	5202.5	4665.1	4275.6	3970.9	3774.3	3695.0	3675.1
6253.8	27.5°	6087.9	6001.4	5837.3	5278.3	4546.1	4023.2	3646.3	3464.1	3419.1	3420.9
7132.0	30°	6892.2	6719.1	6317.0	5290.9	4351.4	3666.1	3314.5	3184.6	3163.0	3172.0
7869.6	32.5°	7637.0	7472.9	6807.5	5233.2	4052.0	3316.3	3016.9	2930.4	2897.9	2908.7
8432.2	35°	8221.2	8176.2	7261.9	5152.0	3684.1	2988.1	2750.0	2676.1	2613.0	2598.6
8962.4	37.5°	8773.0	8755.0	7602.7	5038.4	3319.9	2755.4	2535.4	2438.1	2346.1	2295.6
9548.5	40°	9379.0	9360.9	7826.3	4863.5	2997.1	2553.5	2342.5	2214.5	2100.8	2008.9
10212.1	42.5°	10060.6	9954.2	7932.7	4612.8	2723.0	2382.2	2185.6	2012.5	1862.8	1778.1
10962.3	45°	10805.4	10565.5	7930.9	4293.7	2492.2	2225.3	2017.9	1772.6	1633.8	1554.4
11732.3	47.5°	11595.2	11149.8	7833.5	3940.2	2268.5	2052.2	1758.2	1570.7	1478.7	1430.0
12569.0	50°	12410.3	11696.2	7667.6	3534.5	2039.5	1855.6	1595.9	1467.9	1397.6	1352.5
13398.5	52.5°	13176.7	12192.1	7467.5	3074.6	1806.9	1664.4	1523.8	1424.6	1350.7	1300.2
14202.8	55°	13889.0	12619.5	7184.3	2604.0	1617.6	1536.4	1489.5	1406.6	1321.8	1262.3
15019.7	57.5°	14522.0	12897.2	6695.6	2162.2	1482.3	1448.0	1453.5	1375.9	1278.5	1228.0
15823.9	60°	15048.5	13101.0	5972.5	1752.8	1372.3	1361.5	1397.6	1318.2	1204.6	1146.9
16503.8	62.5°	15364.1	13097.4	5085.3	1435.4	1278.5	1282.1	1323.6	1246.1	1130.7	1076.6
16859.0	65°	15337.1	12776.4	4111.5	1228.0	1188.4	1192.0	1246.1	1166.7	1069.4	1036.9
16680.5	67.5°	14794.3	11993.7	3154.0	1092.8	1089.2	1105.4	1168.5	1112.6	1031.5	1027.9
15616.6	70°	13324.6	10369.0	2272.2	984.6	986.4	1009.8	1092.8	1078.4	1011.7	1018.9
13129.8	72.5°	10684.5	7905.7	1525.6	871.0	872.8	910.7	1020.7	1051.3	991.8	1087.4
9315.8	75°	7115.8	4930.2	981.0	750.2	752.0	800.7	957.6	999.0	937.7	1083.8
4847.3	77.5°	3419.1	2216.3	710.5	631.2	631.2	676.2	827.7	894.4	798.9	842.1
1558.1	80°	1181.2	833.1	559.0	508.5	497.7	528.4	697.9	775.4	688.9	634.8
508.5	82.5°	465.3	432.8	449.0	394.9	358.9	378.7	542.8	640.2	506.7	458.0
286.7	85°	266.9	281.3	317.4	261.5	207.4	232.6	398.5	459.8	382.3	337.2
93.8	87.5°	72.1	99.2	146.1	135.2	93.8	99.2	189.3	254.3	220.0	169.5
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>
3806.8
3904.1
4059.2
4246.8
4419.9
4481.2
4483.0
4403.7
4217.9
3954.6
3678.7
3426.3
3202.7
2923.1
2609.4
2297.4
2017.9
1783.5
1550.8
1419.2
1336.2
1278.5
1238.9
1195.6
1121.7
1060.3
1035.1
1033.3
1017.1
1101.8
1092.8
771.8
595.1
456.2
344.4
174.9
0.0

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