

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: P850628

Luminaire Tested: **GLAN-SB8B-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850628
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-SB8B-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35630 lumens
Efficiency: N/A
Efficacy: 121.7 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

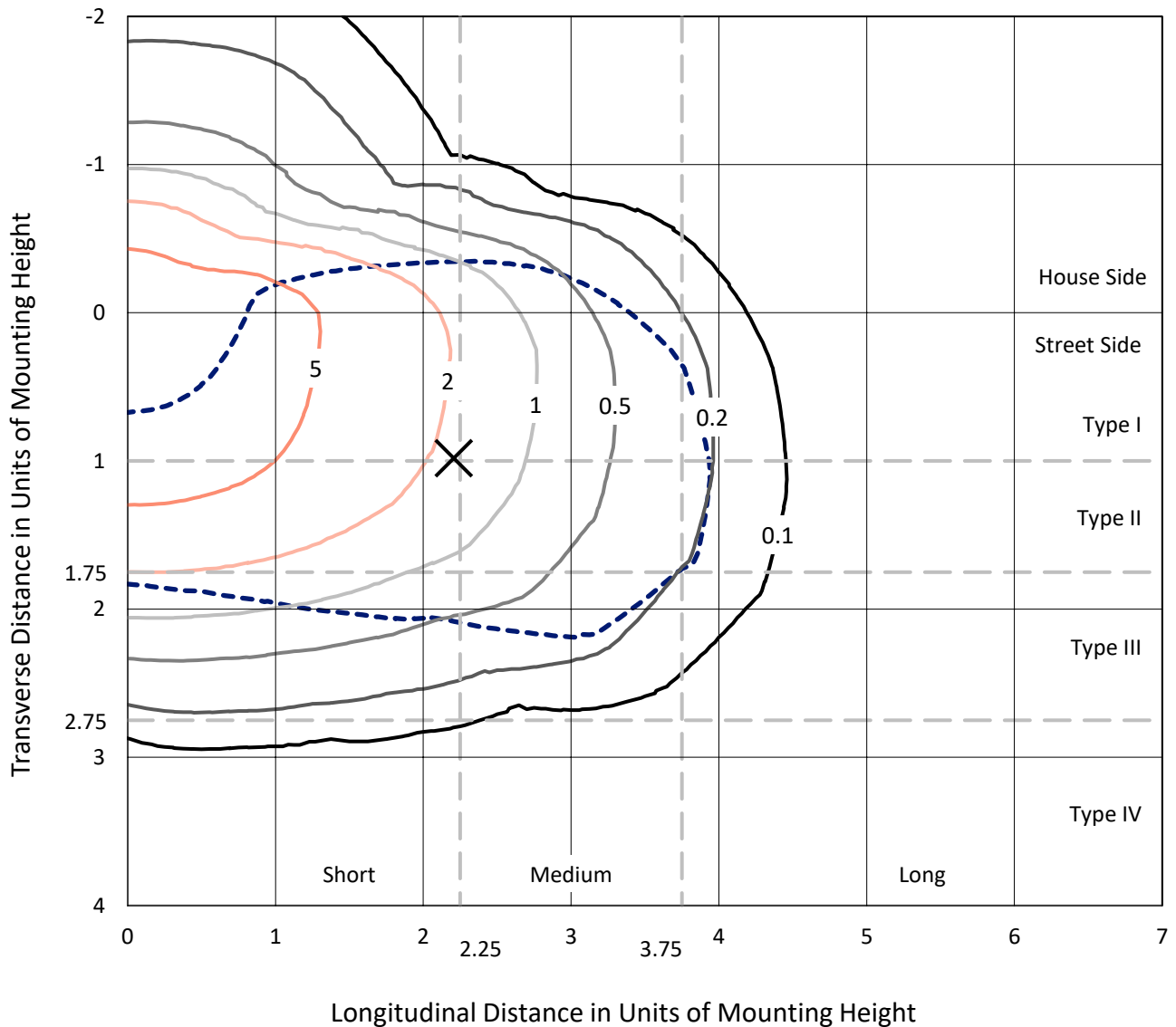
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

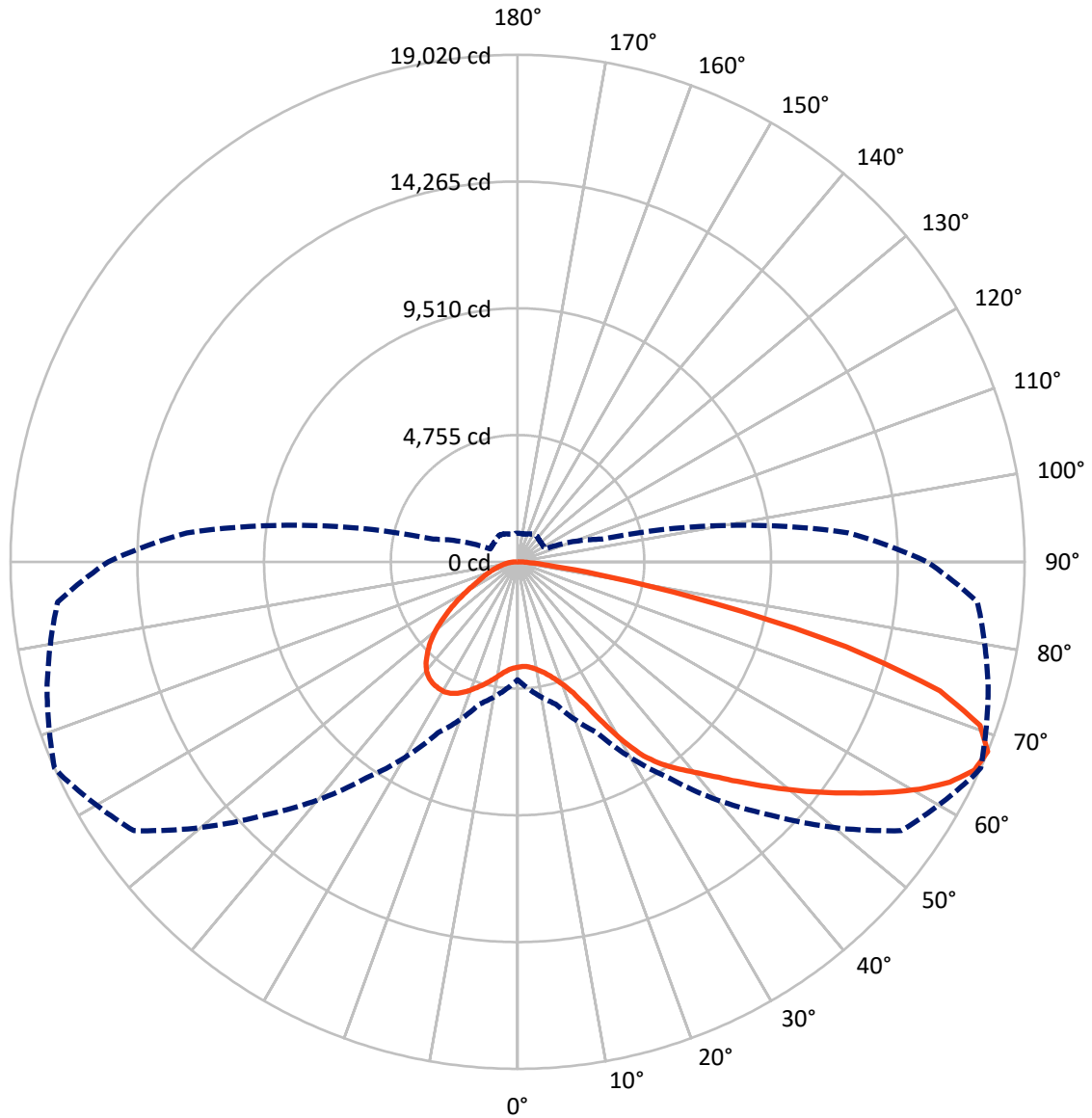
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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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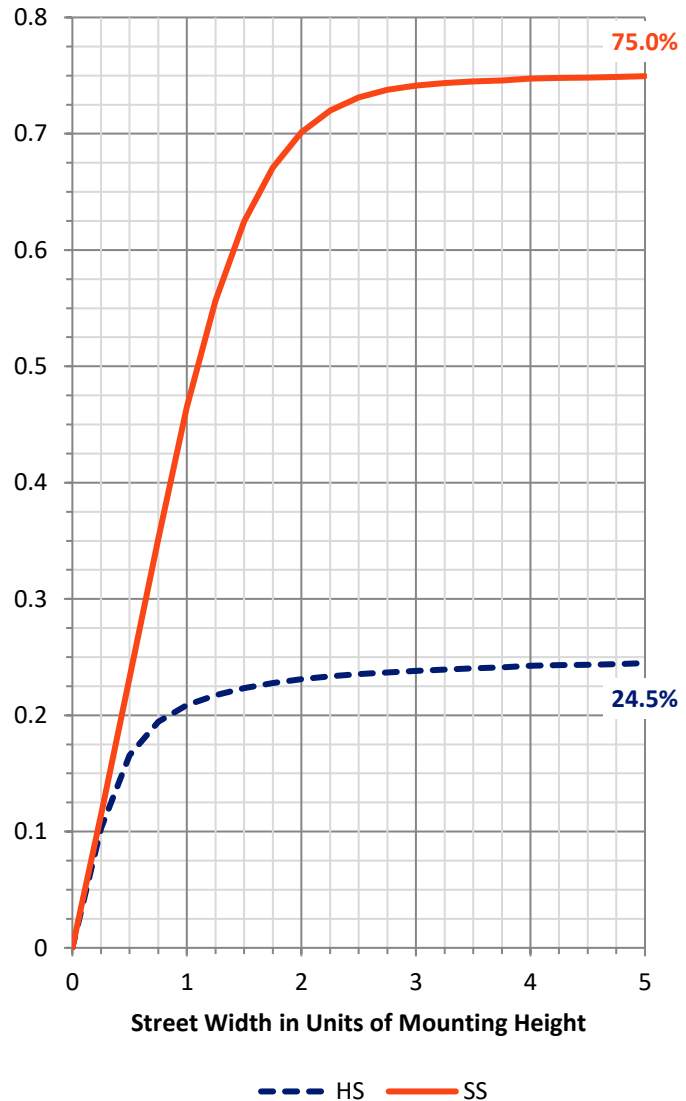
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8859.3	0.0	8859.3
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	26770.7	0.0	26770.7
	% Fixture	75.1	0.0	75.1
Total	Lumens	35630.0	0.0	35630.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.8	1.1
10°-20°	1294.5	3.6
20°-30°	2495.0	7.0
30°-40°	4374.7	12.3
40°-50°	6503.8	18.3
50°-60°	8244.2	23.1
60°-70°	8066.7	22.6
70°-80°	3847.9	10.8
80°-90°	411.2	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°	35630.0	100.0
0°-180°	35630.0	100.0

Coefficient of Utilization

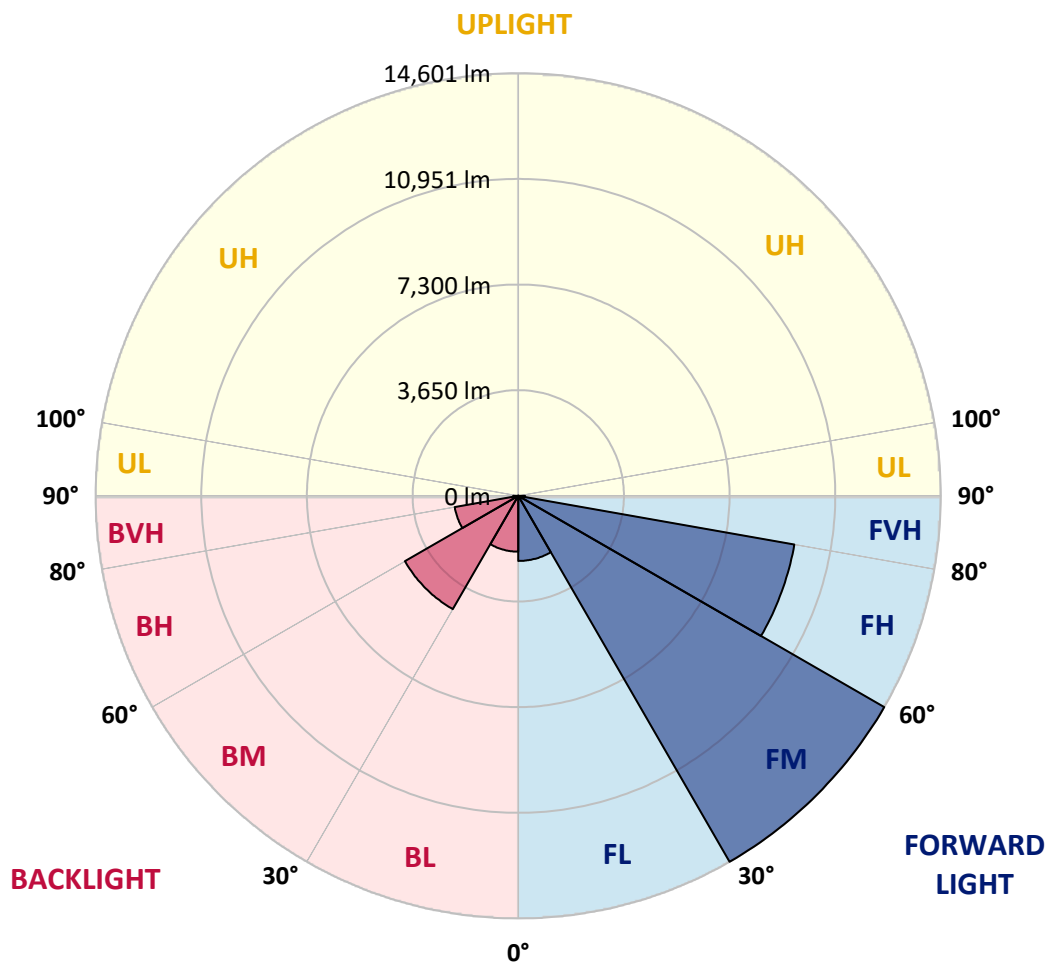


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2251.5	6.3			
FM (30°-60°)	14600.9	41.0			
FH (60°-80°)	9685.2	27.2			G4/12000
FVH (80°-90°)	233.2	0.7			G3/500
BL (0°-30°)	1929.9	5.4	B3/2500		
BM (30°-60°)	4521.9	12.7	B3/5000		
BH (60°-80°)	2229.5	6.3	B3/2500		G3/2500
BVH (80°-90°)	178.1	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°	3951.8	3951.8	3951.8	3951.8	3951.8	3951.8	3951.8	3951.8	3951.8	3951.8
2.5°	3910.7	3933.1	3927.5	3918.1	3916.3	3920.0	3925.6	3931.2	3929.4	3938.7
5°	3899.4	3921.9	3920.0	3920.0	3927.5	3942.5	3951.8	3961.2	3951.8	3963.1
7.5°	3906.9	3923.8	3931.2	3938.7	3957.5	3985.5	4008.0	4028.6	4017.4	4030.5
10°	4002.4	4015.5	4023.0	4023.0	4036.1	4067.9	4090.4	4127.8	4118.4	4139.0
12.5°	4176.5	4189.6	4189.6	4182.1	4191.5	4212.0	4219.5	4260.7	4243.9	4277.6
15°	4389.9	4416.1	4395.5	4382.4	4386.1	4406.7	4404.9	4436.7	4419.8	4447.9
17.5°	4625.8	4659.5	4625.8	4623.9	4616.4	4638.9	4640.7	4668.8	4638.9	4659.5
20°	4904.7	4951.5	4923.4	4932.8	4915.9	4925.3	4934.6	4975.8	4929.0	4944.0
22.5°	5297.8	5354.0	5324.0	5359.6	5348.4	5340.9	5339.0	5412.0	5339.0	5344.6
25°	5870.7	5938.1	5885.6	5934.3	5934.3	5958.6	5986.7	6080.3	5958.6	5923.1
27.5°	6716.8	6784.2	6681.2	6711.2	6701.8	6761.7	6731.8	6963.9	6832.9	6774.8
30°	7735.2	7855.0	7660.3	7652.8	7643.5	7738.9	7782.0	7935.5	7802.6	7744.6
32.5°	8835.9	8961.4	8729.2	8661.8	8626.3	8684.3	8648.7	8772.3	8680.6	8590.7
35°	10000.3	10123.9	9903.0	9772.0	9629.7	9508.0	9380.7	9412.5	9326.4	9189.8
37.5°	11101.1	11327.6	11093.6	10953.2	10691.1	10453.4	10097.7	9949.8	9869.3	9743.9
40°	12222.4	12351.6	12173.8	12053.9	11769.4	11396.9	10827.8	10515.1	10406.6	10284.9
42.5°	13048.0	13171.5	13076.1	12993.7	12770.9	12338.5	11602.8	11211.5	11054.3	10917.6
45°	13703.2	13794.9	13735.0	13765.0	13669.5	13250.2	12405.9	11958.5	11795.6	11629.0
47.5°	13967.2	14064.5	14160.0	14337.8	14500.7	14191.8	13268.9	12767.2	12595.0	12424.6
50°	13937.2	14036.4	14313.5	14691.6	15197.1	15094.1	14178.7	13628.3	13469.2	13274.5
52.5°	13697.6	13809.9	14165.6	14794.6	15599.6	15769.9	15105.3	14517.5	14367.8	14135.6
55°	13068.6	13136.0	13669.5	14560.6	15695.0	16241.7	16013.3	15464.8	15315.0	14991.1
57.5°	11902.3	11999.7	12776.5	13929.7	15455.4	16561.8	16810.8	16460.7	16316.5	15850.4
60°	10380.4	10535.7	11424.9	12870.1	14845.1	16559.9	17535.2	17439.8	17319.9	16696.6
62.5°	8658.1	8837.8	9693.3	11372.5	13778.1	16090.0	17988.3	18259.7	18197.9	17477.2
65°	6649.4	6773.0	7624.7	9435.0	12117.6	15081.0	18040.7	18819.4	18830.7	18070.6
67.5°	4427.3	4783.0	5522.5	7080.0	9893.6	13431.8	17580.2	18911.2	19019.7	18274.7
70°	2160.3	2628.3	3352.8	4601.4	7080.0	10902.7	16376.4	18158.6	18400.1	17679.4
72.5°	896.7	1048.3	1443.3	2270.8	4064.2	7357.0	13957.8	16118.1	16565.5	15665.1
75°	604.7	655.2	825.6	1164.4	1851.4	3628.0	10065.9	12018.4	12739.1	11831.2
77.5°	466.1	498.0	600.9	814.3	1100.7	1372.2	5387.7	7242.9	7615.4	7050.0
80°	366.9	391.3	449.3	593.4	780.6	733.8	1836.5	3281.7	3496.9	2933.5
82.5°	318.2	327.6	322.0	402.5	518.6	428.7	602.8	1211.2	1336.6	969.7
85°	230.3	256.5	267.7	249.0	275.2	217.2	247.1	428.7	471.7	421.2
87.5°	93.6	138.5	170.4	161.0	101.1	61.8	76.8	125.4	144.1	157.2
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°
3951.8	0°	3951.8	3951.8	3951.8	3951.8	3951.8	3951.8	3951.8	3951.8	3951.8	3951.8
3953.7	2.5°	3955.6	3968.7	3978.0	3989.3	3996.8	4008.0	4030.5	4043.6	4045.4	4054.8
3983.7	5°	3991.2	4009.9	4030.5	4060.4	4094.1	4122.2	4165.2	4195.2	4206.4	4215.8
4056.7	7.5°	4067.9	4094.1	4131.6	4184.0	4232.6	4270.1	4322.5	4358.1	4393.6	4406.7
4172.7	10°	4182.1	4219.5	4273.8	4345.0	4397.4	4446.1	4500.3	4530.3	4565.9	4580.8
4311.3	12.5°	4324.4	4363.7	4434.8	4534.0	4582.7	4616.4	4635.1	4627.6	4635.1	4648.2
4477.9	15°	4487.2	4530.3	4610.8	4717.5	4751.2	4721.2	4680.1	4642.6	4637.0	4640.7
4680.1	17.5°	4680.1	4711.9	4805.5	4895.3	4871.0	4747.4	4657.6	4597.7	4567.7	4558.4
4938.4	20°	4949.6	4949.6	5026.4	5082.5	4919.7	4710.0	4569.6	4472.3	4410.5	4384.3
5290.3	22.5°	5277.2	5247.3	5295.9	5256.6	4910.3	4605.2	4410.5	4242.0	4148.4	4111.0
5782.7	25°	5692.8	5657.2	5644.1	5400.8	4842.9	4438.6	4122.2	3918.1	3835.8	3815.2
6492.2	27.5°	6319.9	6230.1	6059.7	5479.4	4719.4	4176.5	3785.2	3596.2	3549.4	3551.2
7403.8	30°	7154.9	6975.2	6557.7	5492.5	4517.2	3805.8	3440.8	3306.0	3283.5	3292.9
8169.5	32.5°	7928.0	7757.7	7066.9	5432.6	4206.4	3442.6	3131.9	3042.0	3008.3	3019.6
8753.6	35°	8534.5	8487.7	7538.6	5348.4	3824.5	3101.9	2854.8	2778.1	2712.6	2697.6
9303.9	37.5°	9107.4	9088.7	7892.4	5230.4	3446.4	2860.4	2632.1	2531.0	2435.5	2383.1
9912.4	40°	9736.4	9717.7	8124.6	5048.8	3111.3	2650.8	2431.8	2298.8	2180.9	2085.4
10601.3	42.5°	10444.0	10333.6	8235.0	4788.6	2826.8	2472.9	2268.9	2089.2	1933.8	1845.8
11380.0	45°	11217.2	10968.2	8233.2	4457.3	2587.1	2310.1	2094.8	1840.2	1696.1	1613.7
12179.4	47.5°	12037.1	11574.7	8132.1	4090.4	2355.0	2130.4	1825.2	1630.5	1535.1	1484.5
13048.0	50°	12883.3	12141.9	7959.8	3669.2	2117.3	1926.3	1656.7	1523.8	1450.8	1404.0
13909.1	52.5°	13678.9	12656.7	7752.0	3191.8	1875.8	1727.9	1581.9	1478.9	1402.1	1349.7
14744.0	55°	14418.3	13100.4	7458.1	2703.2	1679.2	1595.0	1546.3	1460.2	1372.2	1310.4
15592.1	57.5°	15075.4	13388.7	6950.8	2244.6	1538.8	1503.2	1508.8	1428.4	1327.3	1274.8
16427.0	60°	15622.0	13600.2	6200.1	1819.6	1424.6	1413.4	1450.8	1368.4	1250.5	1190.6
17132.7	62.5°	15949.6	13596.5	5279.1	1490.1	1327.3	1331.0	1374.1	1293.6	1173.8	1117.6
17501.5	65°	15921.5	13263.3	4268.2	1274.8	1233.7	1237.4	1293.6	1211.2	1110.1	1076.4
17316.2	67.5°	15358.1	12450.8	3274.2	1134.4	1130.7	1147.5	1213.1	1155.0	1070.8	1067.1
16211.7	70°	13832.4	10764.1	2358.7	1022.1	1024.0	1048.3	1134.4	1119.5	1050.2	1057.7
13630.2	72.5°	11091.7	8206.9	1583.7	904.2	906.1	945.4	1059.6	1091.4	1029.6	1128.8
9670.9	75°	7387.0	5118.1	1018.4	778.8	780.6	831.2	994.0	1037.1	973.5	1125.1
5032.0	77.5°	3549.4	2300.7	737.6	655.2	655.2	702.0	859.3	928.5	829.3	874.2
1617.4	80°	1226.2	864.9	580.3	527.9	516.7	548.5	724.5	805.0	715.1	659.0
527.9	82.5°	483.0	449.3	466.1	410.0	372.5	393.1	563.5	664.6	526.0	475.5
297.7	85°	277.1	292.0	329.5	271.4	215.3	241.5	413.7	477.4	396.9	350.1
97.3	87.5°	74.9	103.0	151.6	140.4	97.3	103.0	196.6	264.0	228.4	176.0
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

<u>180°</u>
3951.8
4052.9
4213.9
4408.6
4588.3
4652.0
4653.8
4571.5
4378.7
4105.3
3818.9
3556.8
3324.7
3034.5
2708.8
2385.0
2094.8
1851.4
1609.9
1473.3
1387.2
1327.3
1286.1
1241.2
1164.4
1100.7
1074.5
1072.7
1055.8
1143.8
1134.4
801.2
617.8
473.6
357.6
181.6
0.0

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