

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: P852661

Luminaire Tested: **GLAN-SB5C-722-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852661
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-SB5C-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29239 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

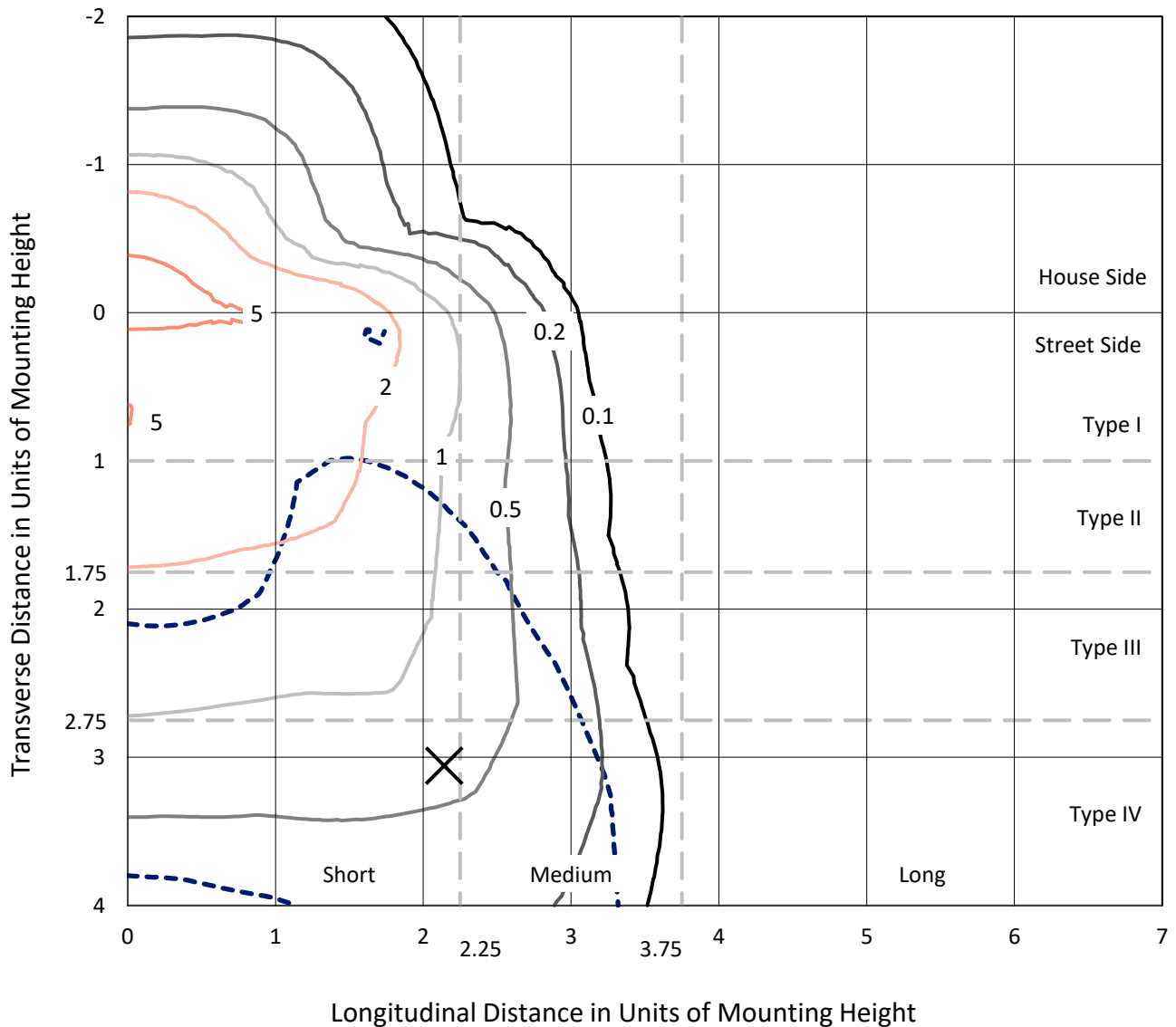
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

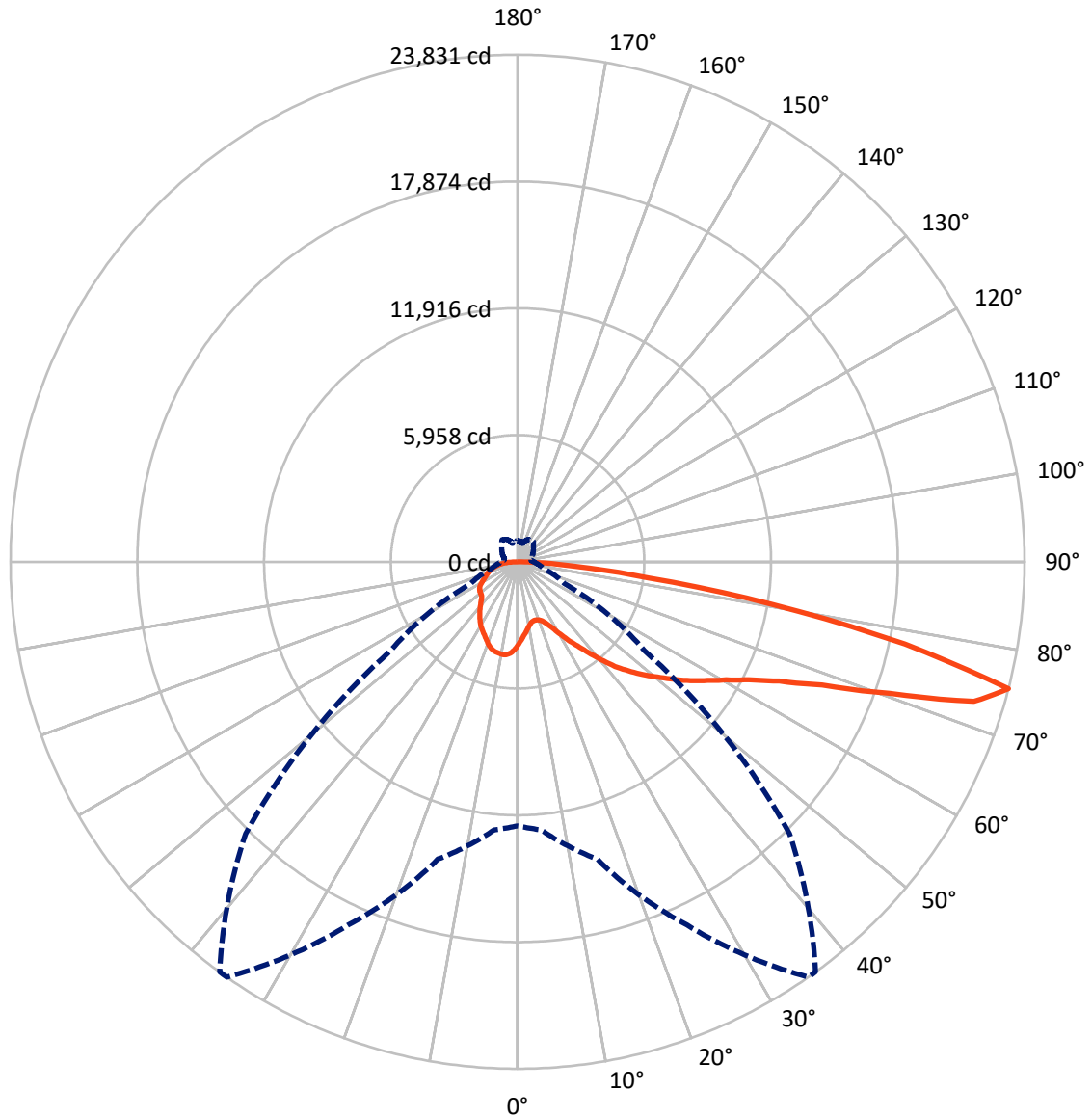
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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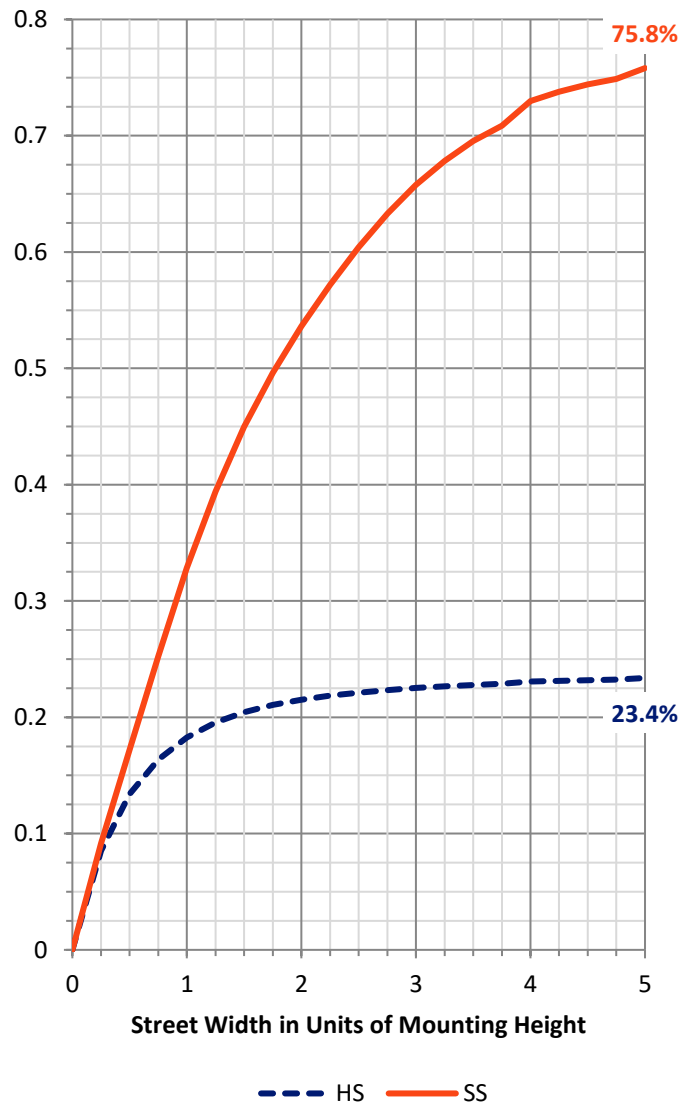
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6958.1	0.0	6958.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	22280.8	0.0	22280.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	29239.0	0.0	29239.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.9	1.3
10°-20°	1064.1	3.6
20°-30°	1786.9	6.1
30°-40°	2777.0	9.5
40°-50°	4121.8	14.1
50°-60°	5690.4	19.5
60°-70°	6903.8	23.6
70°-80°	5705.5	19.5
80°-90°	820.6	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°	29239.0	100.0
0°-180°	29239.0	100.0

Coefficient of Utilization

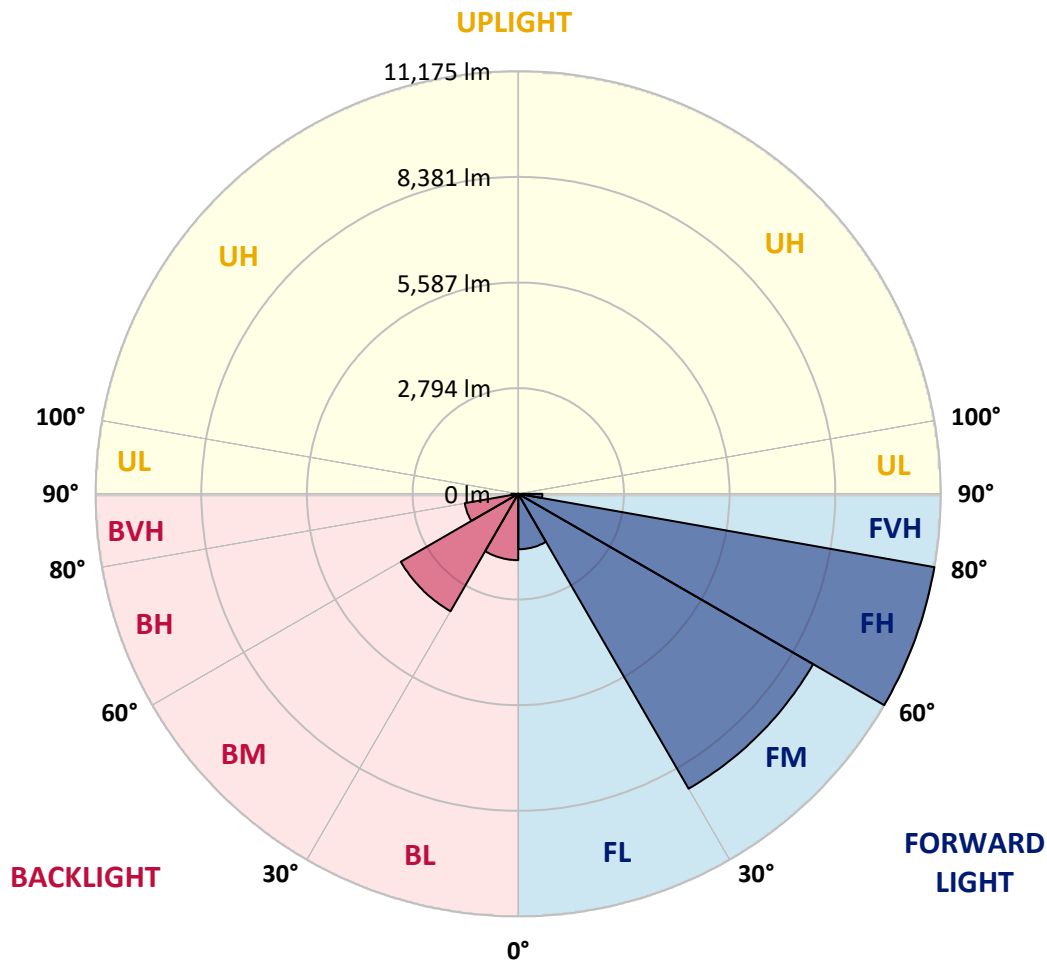


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1466.3	5.0			
FM (30°-60°)	9004.0	30.8			
FH (60°-80°)	11174.7	38.2			G4/12000
FVH (80°-90°)	635.8	2.2			G4/750
BL (0°-30°)	1753.5	6.0	B3/2500		
BM (30°-60°)	3585.3	12.3	B3/5000		
BH (60°-80°)	1434.6	4.9	B3/2500		G3/2500
BVH (80°-90°)	184.8	0.6			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	3896.3	3896.3	3896.3	3896.3	3896.3	3896.3	3896.3	3896.3	3896.3	3896.3
2.5°	3592.8	3614.9	3624.4	3619.7	3643.4	3640.2	3673.4	3714.5	3771.4	3826.7
5°	3316.2	3339.9	3360.5	3379.4	3425.3	3439.5	3491.6	3570.7	3675.0	3780.9
7.5°	3058.6	3079.1	3110.7	3145.5	3222.9	3237.2	3324.1	3447.4	3592.8	3747.7
10°	2848.3	2868.9	2902.1	2941.6	3038.0	3055.4	3166.0	3330.4	3520.1	3716.1
12.5°	2758.2	2764.6	2783.5	2823.0	2906.8	2917.9	3039.6	3227.7	3449.0	3692.4
15°	2753.5	2766.1	2767.7	2788.3	2857.8	2862.6	2974.8	3161.3	3404.7	3687.6
17.5°	2800.9	2810.4	2796.2	2808.8	2867.3	2875.2	2963.7	3129.7	3390.5	3708.2
20°	2927.4	2935.3	2892.6	2875.2	2917.9	2924.2	3011.1	3150.2	3404.7	3750.9
22.5°	3196.1	3200.8	3096.5	3025.4	3028.5	3031.7	3107.6	3234.0	3460.0	3828.3
25°	3614.9	3611.8	3445.8	3308.3	3229.3	3211.9	3262.5	3369.9	3553.3	3931.1
27.5°	4104.9	4081.2	3915.3	3709.8	3537.5	3512.2	3501.1	3547.0	3686.1	4067.0
30°	4658.2	4636.0	4457.4	4188.7	3950.0	3908.9	3804.6	3780.9	3883.6	4251.9
32.5°	5265.1	5250.9	5037.5	4711.9	4392.6	4345.2	4169.7	4106.5	4187.1	4531.7
35°	5774.1	5761.5	5584.4	5249.3	4858.9	4800.4	4621.8	4550.7	4591.8	4890.5
37.5°	6234.1	6227.7	6076.0	5812.0	5409.0	5337.8	5137.1	5113.4	5105.5	5363.1
40°	6660.8	6645.0	6487.0	6347.9	6049.1	5984.3	5807.3	5786.7	5726.7	5944.8
42.5°	7133.5	7092.4	6863.2	6798.4	6717.7	6664.0	6558.1	6561.3	6428.5	6600.8
45°	7519.1	7495.4	7259.9	7222.0	7308.9	7286.8	7378.5	7402.2	7144.5	7288.4
47.5°	7933.3	7911.1	7712.0	7685.1	7920.6	7926.9	8251.0	8258.9	7843.2	8002.8
50°	8443.8	8412.2	8214.6	8247.8	8511.8	8535.5	9128.2	9074.5	8486.5	8728.3
52.5°	8780.5	8799.5	8756.8	8810.5	9170.9	9193.0	9991.3	9853.8	9123.5	9444.4
55°	9028.7	9066.6	9199.4	9322.7	9866.4	9888.5	10805.3	10595.1	9651.4	10108.2
57.5°	9347.9	9294.2	9542.4	9782.6	10527.1	10585.6	11597.2	11309.5	10119.3	10680.4
60°	9806.3	9768.4	9961.2	10316.9	11266.9	11360.1	12434.9	11952.9	10462.3	11134.1
62.5°	10735.8	10640.9	10670.9	10985.5	12199.4	12322.7	13380.2	12514.0	10633.0	11311.1
65°	12125.1	11962.3	11810.6	12028.7	13513.0	13634.7	14447.1	12955.0	10569.8	10968.1
67.5°	13874.9	13713.7	13527.2	13732.7	15447.7	15544.1	15763.8	13203.1	10071.9	9646.7
70°	15318.0	15258.0	15480.9	16326.5	18537.8	18541.0	17451.9	12997.7	8707.8	6839.5
72.5°	15126.8	15090.4	16264.9	18879.2	22432.5	22348.8	19050.0	11442.3	5865.8	3085.4
75°	12409.7	12645.2	14464.5	18833.4	23831.4	23820.3	18071.5	7274.1	2426.3	1278.7
77.5°	6654.5	7027.6	9390.6	13905.0	18604.2	18884.0	12705.2	2544.8	1041.6	818.8
80°	2170.2	2495.8	3743.0	7079.7	12088.8	12036.6	5445.3	999.0	712.9	580.1
82.5°	921.5	959.5	1672.3	3343.1	6204.0	6107.6	1734.0	573.8	501.1	396.7
85°	360.4	403.1	738.2	1545.9	2687.1	2628.6	625.9	284.5	320.9	259.2
87.5°	118.5	143.8	264.0	529.5	836.2	806.1	153.3	98.0	139.1	118.5
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°
3896.3	0°	3896.3	3896.3	3896.3	3896.3	3896.3	3896.3	3896.3	3896.3	3896.3	3896.3
3907.4	2.5°	3929.5	3954.8	3984.8	4029.1	4067.0	4098.6	4131.8	4152.4	4160.3	4184.0
3913.7	5°	3957.9	4013.3	4087.6	4160.3	4231.4	4274.1	4312.0	4331.0	4348.4	4361.0
3931.1	7.5°	4005.4	4076.5	4193.5	4288.3	4348.4	4383.1	4408.4	4402.1	4408.4	4411.6
3950.0	10°	4046.5	4146.0	4285.1	4375.2	4421.1	4422.6	4416.3	4394.2	4383.1	4384.7
3978.5	12.5°	4095.5	4206.1	4356.3	4432.1	4444.8	4410.0	4383.1	4345.2	4331.0	4324.6
4021.2	15°	4161.8	4288.3	4433.7	4462.2	4430.6	4386.3	4340.5	4278.8	4247.2	4221.9
4093.9	17.5°	4242.5	4381.6	4493.8	4473.2	4405.3	4332.6	4258.3	4165.0	4100.2	4073.3
4193.5	20°	4354.7	4479.6	4539.6	4449.5	4346.8	4236.1	4109.7	3995.9	3935.8	3908.9
4319.9	22.5°	4490.6	4610.7	4583.9	4408.4	4263.0	4086.0	3927.9	3844.1	3814.1	3795.1
4482.7	25°	4653.4	4756.2	4615.5	4348.4	4125.5	3886.8	3765.1	3738.2	3724.0	3709.8
4681.9	27.5°	4865.2	4920.6	4639.2	4259.8	3910.5	3675.0	3630.7	3635.5	3630.7	3607.0
4958.5	30°	5145.0	5133.9	4661.3	4116.0	3663.9	3483.7	3486.9	3507.5	3510.6	3494.8
5344.2	32.5°	5513.3	5401.1	4672.4	3929.5	3428.4	3316.2	3319.4	3341.5	3357.3	3330.4
5848.4	35°	5959.0	5712.5	4655.0	3695.6	3246.6	3156.6	3132.8	3139.2	3143.9	3118.6
6460.1	37.5°	6479.1	6061.8	4577.6	3436.3	3096.5	3000.1	2949.5	2906.8	2881.5	2857.8
7152.4	40°	7049.7	6442.7	4435.3	3183.4	2928.9	2834.1	2758.2	2677.6	2592.3	2560.6
7885.8	42.5°	7647.2	6834.7	4263.0	2941.6	2736.1	2658.6	2578.0	2461.1	2333.0	2268.2
8647.7	45°	8266.8	7236.2	4093.9	2702.9	2538.5	2505.3	2412.1	2271.4	2132.3	2050.1
9411.2	47.5°	8873.8	7615.6	3845.7	2462.6	2353.6	2389.9	2317.2	2187.6	2032.7	1903.1
10168.3	50°	9453.8	7971.2	3439.5	2219.2	2203.4	2355.2	2285.6	2099.1	1922.1	1756.1
10911.2	52.5°	10029.2	8258.9	2919.5	1997.9	2122.8	2345.7	2244.5	2039.0	1822.5	1648.6
11609.9	55°	10517.6	8407.5	2418.4	1808.3	2005.8	2265.1	2195.5	1967.9	1681.8	1496.9
12088.8	57.5°	10795.8	8287.3	2001.1	1621.7	1844.6	2132.3	2111.7	1816.2	1514.3	1372.0
12182.0	60°	10675.7	7800.5	1659.7	1458.9	1691.3	1988.5	1966.3	1666.0	1386.2	1251.9
11682.6	62.5°	10013.4	6872.7	1389.4	1316.7	1552.2	1841.5	1820.9	1550.6	1288.2	1158.6
10356.4	65°	8679.3	5590.7	1179.2	1198.1	1411.5	1664.4	1694.5	1454.2	1210.8	1084.3
8012.3	67.5°	6619.7	4049.6	1014.8	1095.4	1274.0	1490.6	1577.5	1384.6	1146.0	1025.8
4636.0	70°	3773.0	2299.8	875.7	995.8	1152.3	1329.3	1487.4	1329.3	1076.4	976.8
1737.1	72.5°	1430.5	1055.9	757.1	896.2	1035.3	1193.4	1387.8	1242.4	995.8	921.5
897.8	75°	763.5	643.3	637.0	779.3	901.0	1060.6	1262.9	1157.0	935.7	973.7
621.2	77.5°	520.0	455.2	532.7	667.0	754.0	913.6	1130.2	1027.4	810.9	807.7
429.9	80°	360.4	322.5	433.1	537.4	583.3	768.2	986.3	882.0	660.7	616.5
265.5	82.5°	216.5	210.2	324.0	401.5	412.5	592.7	817.2	739.7	540.6	471.0
158.1	85°	118.5	124.9	207.1	235.5	240.3	414.1	640.2	572.2	415.7	349.3
56.9	87.5°	33.2	42.7	75.9	93.3	115.4	215.0	380.9	339.8	208.6	145.4
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>
3896.3
4182.4
4364.2
4416.3
4387.9
4321.5
4229.8
4074.9
3905.8
3798.3
3709.8
3611.8
3502.7
3343.1
3136.0
2873.6
2574.9
2276.1
2043.8
1888.9
1741.9
1629.6
1481.1
1353.0
1232.9
1138.1
1063.8
1006.9
964.2
908.9
1005.3
744.5
589.6
474.2
352.5
145.4
0.0

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