

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: P852429

Luminaire Tested: **GLAN-SB3D-735-U-T4FT**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P852429
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-SB3D-735-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29613 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

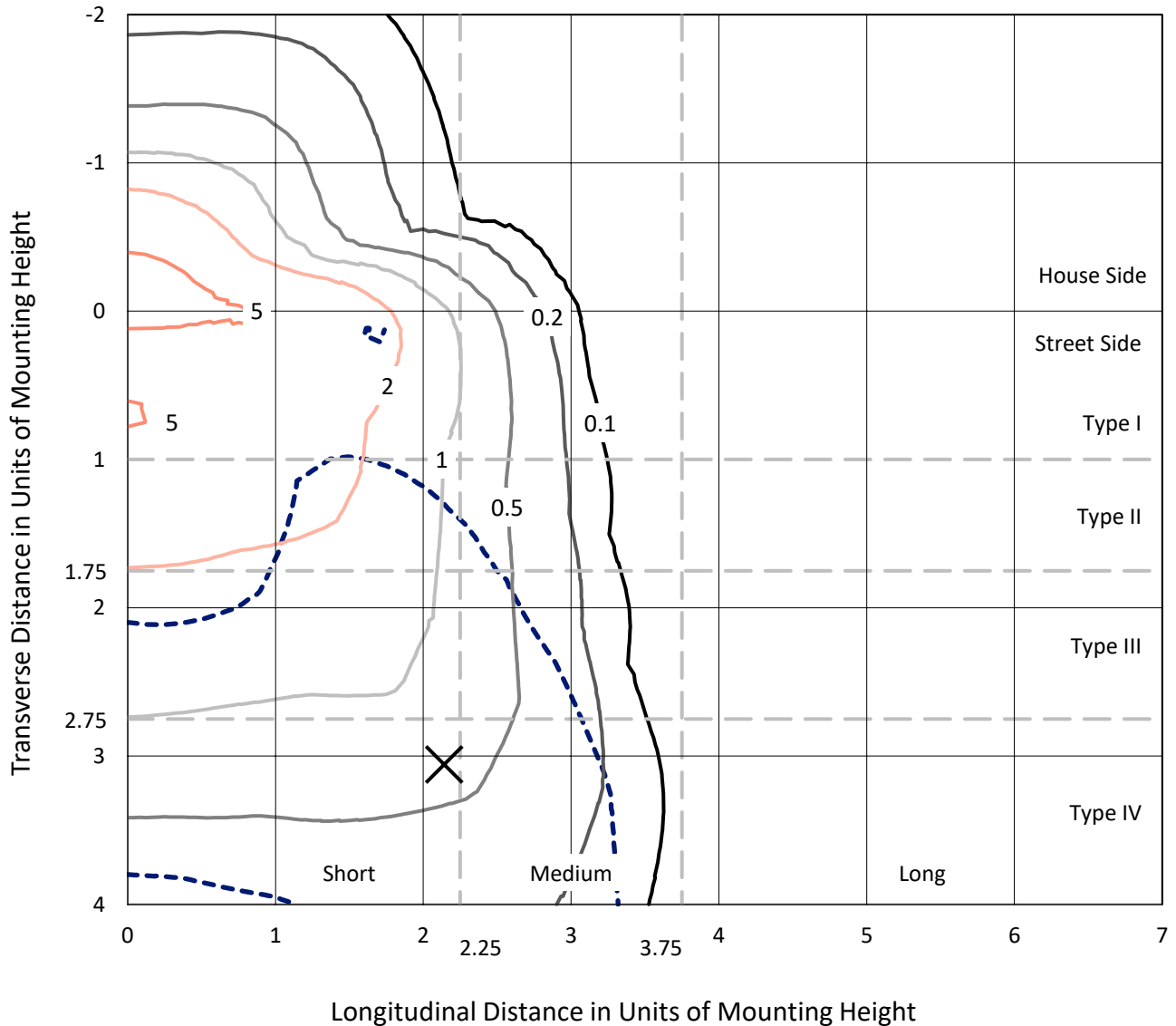
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

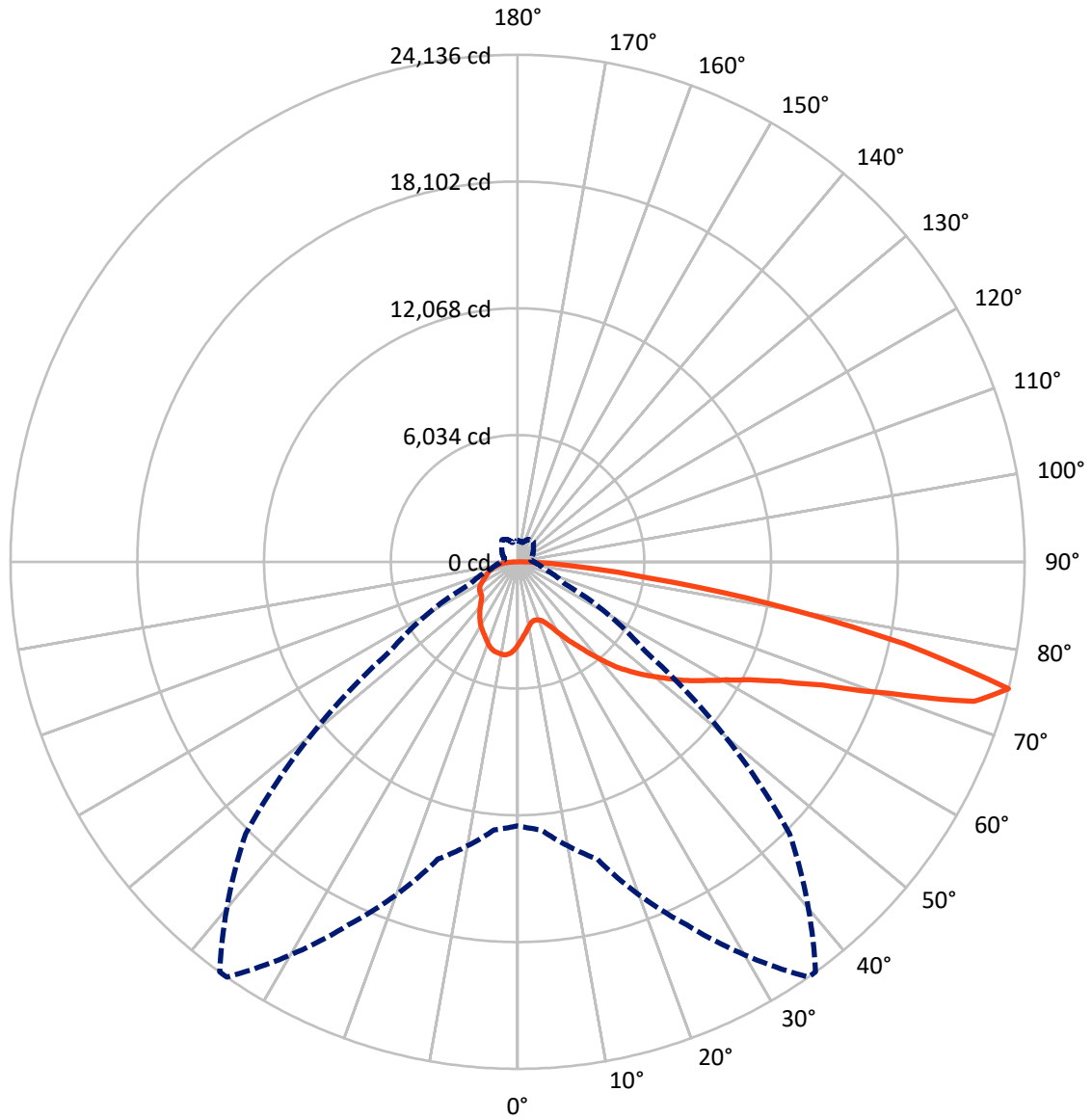
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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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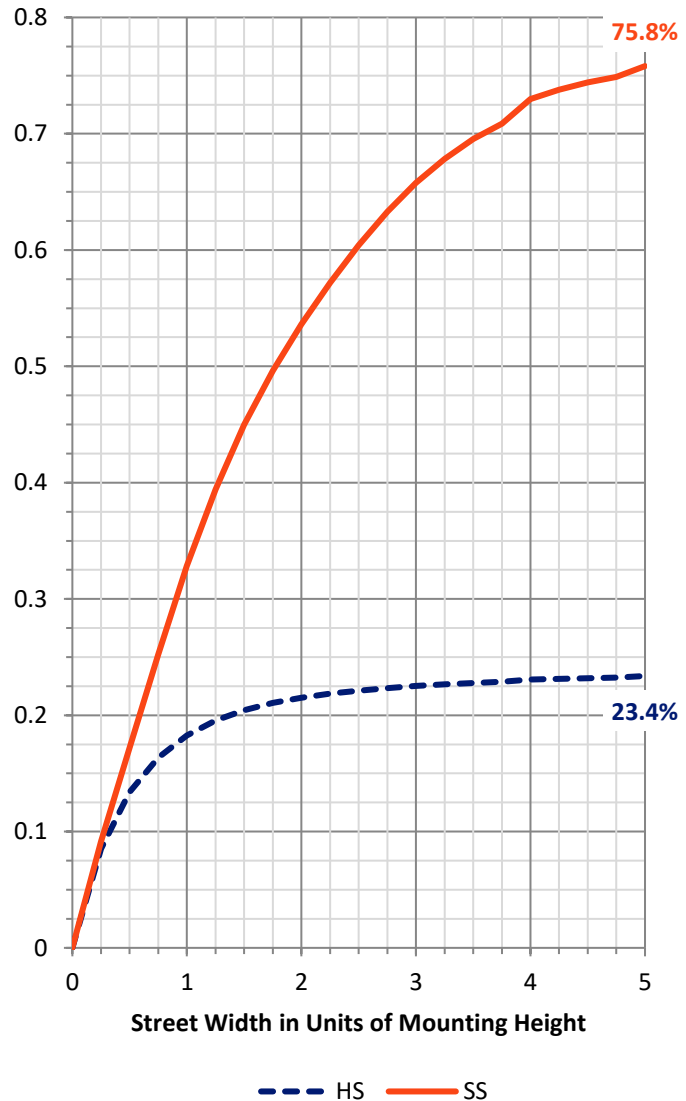
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7047.1	0.0	7047.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	22565.8	0.0	22565.8
	% Fixture	76.2	0.0	76.2
Total	Lumens	29613.0	0.0	29613.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.6	1.3
10°-20°	1077.7	3.6
20°-30°	1809.7	6.1
30°-40°	2812.5	9.5
40°-50°	4174.6	14.1
50°-60°	5763.2	19.5
60°-70°	6992.1	23.6
70°-80°	5778.4	19.5
80°-90°	831.1	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°	29613.0	100.0
0°-180°	29613.0	100.0

Coefficient of Utilization



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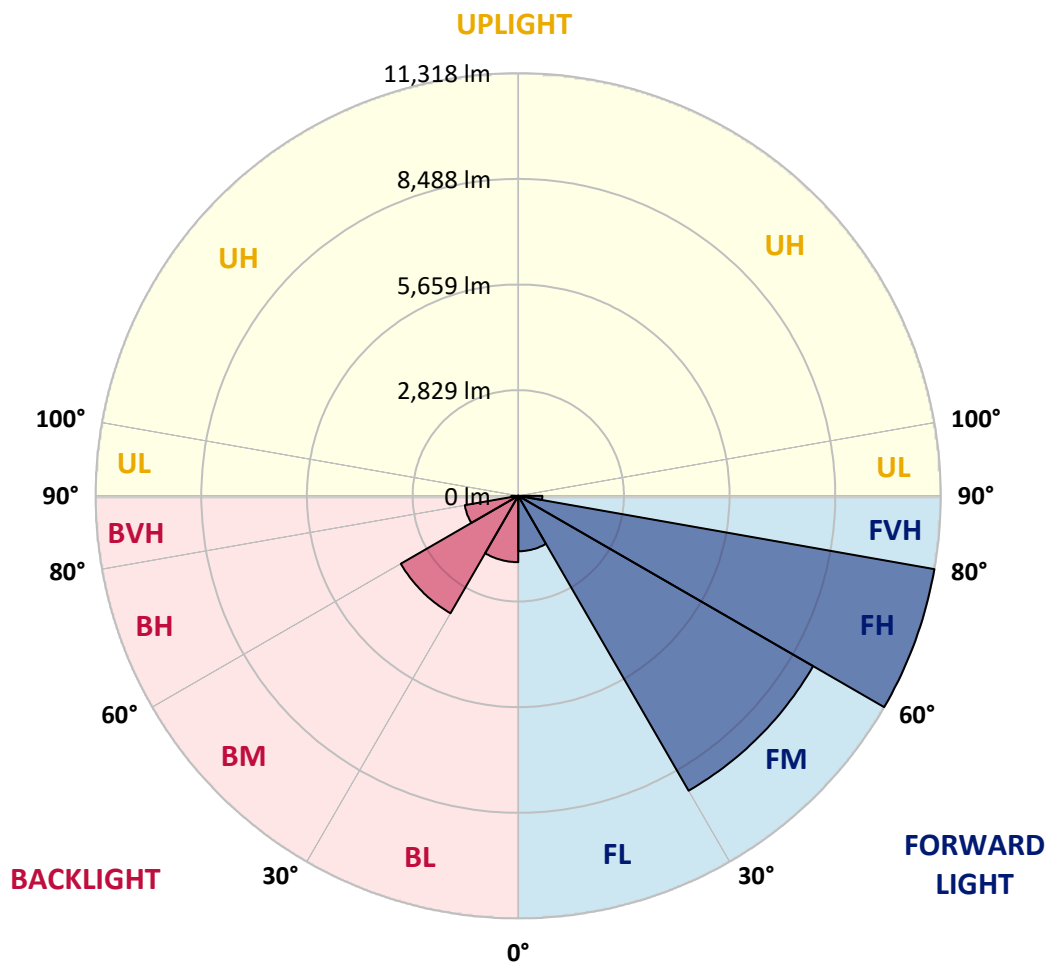
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1485.0	5.0			
FM (30°-60°)	9119.2	30.8			
FH (60°-80°)	11317.6	38.2			G4/12000
FVH (80°-90°)	644.0	2.2			G4/750
BL (0°-30°)	1776.0	6.0	B3/2500		
BM (30°-60°)	3631.1	12.3	B3/5000		
BH (60°-80°)	1452.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	187.1	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°	3946.1	3946.1	3946.1	3946.1	3946.1	3946.1	3946.1	3946.1	3946.1	3946.1
2.5°	3638.8	3661.2	3670.8	3666.0	3690.0	3686.8	3720.4	3762.0	3819.7	3875.7
5°	3358.6	3382.6	3403.4	3422.6	3469.1	3483.5	3536.3	3616.4	3722.0	3829.3
7.5°	3097.7	3118.5	3150.5	3185.7	3264.2	3278.6	3366.6	3491.5	3638.8	3795.7
10°	2884.8	2905.6	2939.2	2979.2	3076.9	3094.5	3206.5	3373.0	3565.1	3763.6
12.5°	2793.5	2799.9	2819.1	2859.1	2944.0	2955.2	3078.5	3269.0	3493.1	3739.6
15°	2788.7	2801.5	2803.1	2823.9	2894.4	2899.2	3012.8	3201.7	3448.3	3734.8
17.5°	2836.7	2846.3	2831.9	2844.7	2904.0	2912.0	3001.6	3169.7	3433.9	3755.6
20°	2964.8	2972.8	2929.6	2912.0	2955.2	2961.6	3049.6	3190.5	3448.3	3798.9
22.5°	3236.9	3241.8	3136.1	3064.1	3067.3	3070.5	3147.3	3275.4	3504.3	3877.3
25°	3661.2	3658.0	3489.9	3350.6	3270.6	3253.0	3304.2	3413.0	3598.7	3981.4
27.5°	4157.4	4133.4	3965.3	3757.2	3582.7	3557.1	3545.9	3592.3	3733.2	4119.0
30°	4717.7	4695.3	4514.4	4242.3	4000.6	3958.9	3853.3	3829.3	3933.3	4306.3
32.5°	5332.5	5318.1	5102.0	4772.2	4448.8	4400.8	4223.1	4159.0	4240.7	4589.7
35°	5848.0	5835.2	5655.9	5316.5	4921.1	4861.8	4680.9	4608.9	4650.5	4953.1
37.5°	6313.8	6307.4	6153.7	5886.4	5478.2	5406.1	5202.8	5178.8	5170.8	5431.7
40°	6746.0	6730.0	6570.0	6429.1	6126.5	6060.9	5881.6	5860.8	5799.9	6020.9
42.5°	7224.7	7183.1	6951.0	6885.3	6803.7	6749.2	6642.0	6645.2	6510.7	6685.2
45°	7615.3	7591.3	7352.8	7314.4	7402.4	7380.0	7472.8	7496.9	7235.9	7381.6
47.5°	8034.7	8012.3	7810.6	7783.4	8021.9	8028.3	8356.5	8364.5	7943.5	8105.2
50°	8551.8	8519.8	8319.7	8353.3	8620.7	8644.7	9245.0	9190.6	8595.0	8840.0
52.5°	8892.8	8912.0	8868.8	8923.2	9288.2	9310.6	10119.1	9979.8	9240.2	9565.2
55°	9144.1	9182.6	9317.0	9441.9	9992.6	10015.0	10943.5	10730.6	9774.9	10237.5
57.5°	9467.5	9413.1	9664.4	9907.8	10661.8	10721.0	11745.5	11454.2	10248.7	10817.0
60°	9931.8	9893.3	10088.7	10448.8	11411.0	11505.4	12594.0	12105.7	10596.1	11276.5
62.5°	10873.1	10777.0	10807.4	11126.0	12355.5	12480.3	13551.3	12674.0	10769.0	11455.8
65°	12280.2	12115.3	11961.7	12182.6	13685.8	13809.1	14631.9	13120.7	10705.0	11108.4
67.5°	14052.4	13889.1	13700.2	13908.3	15645.3	15742.9	15965.4	13372.0	10200.7	9770.1
70°	15514.0	15453.2	15678.9	16535.3	18774.9	18778.1	17675.2	13163.9	8819.2	6926.9
72.5°	15320.3	15283.5	16472.9	19120.7	22719.5	22634.6	19293.6	11588.7	5940.8	3124.9
75°	12568.4	12806.9	14649.5	19074.3	24136.2	24125.0	18302.7	7367.2	2457.3	1295.1
77.5°	6739.6	7117.4	9510.7	14082.8	18842.2	19125.5	12867.8	2577.4	1055.0	829.2
80°	2198.0	2527.8	3790.8	7170.3	12243.4	12190.6	5515.0	1011.7	722.0	587.5
82.5°	933.3	971.7	1693.7	3385.8	6283.4	6185.7	1756.1	581.1	507.5	401.8
85°	365.0	408.2	747.6	1565.6	2721.5	2662.2	633.9	288.2	325.0	262.5
87.5°	120.1	145.7	267.3	536.3	846.9	816.4	155.3	99.3	140.9	120.1
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°
3946.1	0°	3946.1	3946.1	3946.1	3946.1	3946.1	3946.1	3946.1	3946.1	3946.1	3946.1
3957.3	2.5°	3979.8	4005.4	4035.8	4080.6	4119.0	4151.0	4184.7	4205.5	4213.5	4237.5
3963.7	5°	4008.6	4064.6	4139.8	4213.5	4285.5	4328.7	4367.2	4386.4	4404.0	4416.8
3981.4	7.5°	4056.6	4128.6	4247.1	4343.1	4404.0	4439.2	4464.8	4458.4	4464.8	4468.0
4000.6	10°	4098.2	4199.1	4339.9	4431.2	4477.6	4479.2	4472.8	4450.4	4439.2	4440.8
4029.4	12.5°	4147.8	4259.9	4412.0	4488.8	4501.6	4466.4	4439.2	4400.8	4386.4	4380.0
4072.6	15°	4215.1	4343.1	4490.4	4519.2	4487.2	4442.4	4396.0	4333.5	4301.5	4275.9
4146.2	17.5°	4296.7	4437.6	4551.3	4530.4	4461.6	4388.0	4312.7	4218.3	4152.6	4125.4
4247.1	20°	4410.4	4536.9	4597.7	4506.4	4402.4	4290.3	4162.2	4047.0	3986.2	3958.9
4375.2	22.5°	4548.1	4669.7	4642.5	4464.8	4317.5	4138.2	3978.1	3893.3	3862.9	3843.7
4540.1	25°	4712.9	4817.0	4674.5	4404.0	4178.3	3936.5	3813.3	3786.0	3771.6	3757.2
4741.8	27.5°	4927.5	4983.5	4698.5	4314.3	3960.5	3722.0	3677.2	3682.0	3677.2	3653.2
5021.9	30°	5210.8	5199.6	4721.0	4168.7	3710.8	3528.3	3531.5	3552.3	3555.5	3539.5
5412.5	32.5°	5583.8	5470.2	4732.2	3979.8	3472.3	3358.6	3361.8	3384.2	3400.2	3373.0
5923.2	35°	6035.3	5785.5	4714.5	3742.8	3288.2	3196.9	3172.9	3179.3	3184.1	3158.5
6542.7	37.5°	6561.9	6139.3	4636.1	3480.3	3136.1	3038.4	2987.2	2944.0	2918.4	2894.4
7243.9	40°	7139.9	6525.1	4492.0	3224.1	2966.4	2870.4	2793.5	2711.9	2625.4	2593.4
7986.7	42.5°	7745.0	6922.1	4317.5	2979.2	2771.1	2692.7	2611.0	2492.5	2362.9	2297.2
8758.3	45°	8372.5	7328.8	4146.2	2737.5	2571.0	2537.4	2442.9	2300.4	2159.6	2076.3
9531.6	47.5°	8987.3	7713.0	3894.9	2494.1	2383.7	2420.5	2346.9	2215.6	2058.7	1927.4
10298.4	50°	9574.8	8073.2	3483.5	2247.6	2231.6	2385.3	2314.9	2125.9	1946.7	1778.6
11050.8	52.5°	10157.5	8364.5	2956.8	2023.5	2150.0	2375.7	2273.2	2065.1	1845.8	1669.7
11758.4	55°	10652.2	8515.0	2449.3	1831.4	2031.5	2294.0	2223.6	1993.1	1703.3	1516.0
12243.4	57.5°	10933.9	8393.3	2026.7	1642.5	1868.2	2159.6	2138.8	1839.4	1533.6	1389.6
12337.9	60°	10812.2	7900.3	1680.9	1477.6	1712.9	2013.9	1991.5	1687.3	1404.0	1267.9
11832.0	62.5°	10141.5	6960.6	1407.2	1333.5	1572.0	1865.0	1844.2	1570.4	1304.7	1173.4
10488.9	65°	8790.4	5662.3	1194.2	1213.5	1429.6	1685.7	1716.1	1472.8	1226.3	1098.2
8114.8	67.5°	6704.4	4101.4	1027.8	1109.4	1290.3	1509.6	1597.7	1402.4	1160.6	1039.0
4695.3	70°	3821.3	2329.3	886.9	1008.5	1167.0	1346.3	1506.4	1346.3	1090.2	989.3
1759.4	72.5°	1448.8	1069.4	766.8	907.7	1048.6	1208.7	1405.6	1258.3	1008.5	933.3
909.3	75°	773.2	651.6	645.1	789.2	912.5	1074.2	1279.1	1171.8	947.7	986.1
629.1	77.5°	526.7	461.0	539.5	675.6	763.6	925.3	1144.6	1040.6	821.2	818.0
435.4	80°	365.0	326.6	438.6	544.3	590.7	778.0	998.9	893.3	669.2	624.3
268.9	82.5°	219.3	212.9	328.2	406.6	417.8	600.3	827.6	749.2	547.5	477.1
160.1	85°	120.1	126.5	209.7	238.5	243.3	419.4	648.4	579.5	421.0	353.8
57.6	87.5°	33.6	43.2	76.8	94.5	116.9	217.7	385.8	344.2	211.3	147.3
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>
3946.1
4235.9
4420.0
4472.8
4444.0
4376.8
4283.9
4127.0
3955.7
3846.9
3757.2
3658.0
3547.5
3385.8
3176.1
2910.4
2607.8
2305.2
2069.9
1913.0
1764.2
1650.5
1500.0
1370.3
1248.7
1152.6
1077.4
1019.8
976.5
920.5
1018.2
754.0
597.1
480.3
357.0
147.3
0.0

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