

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: P847583

Luminaire Tested: **GLAN-SB3D-730-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847583
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB3D-730-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29235 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

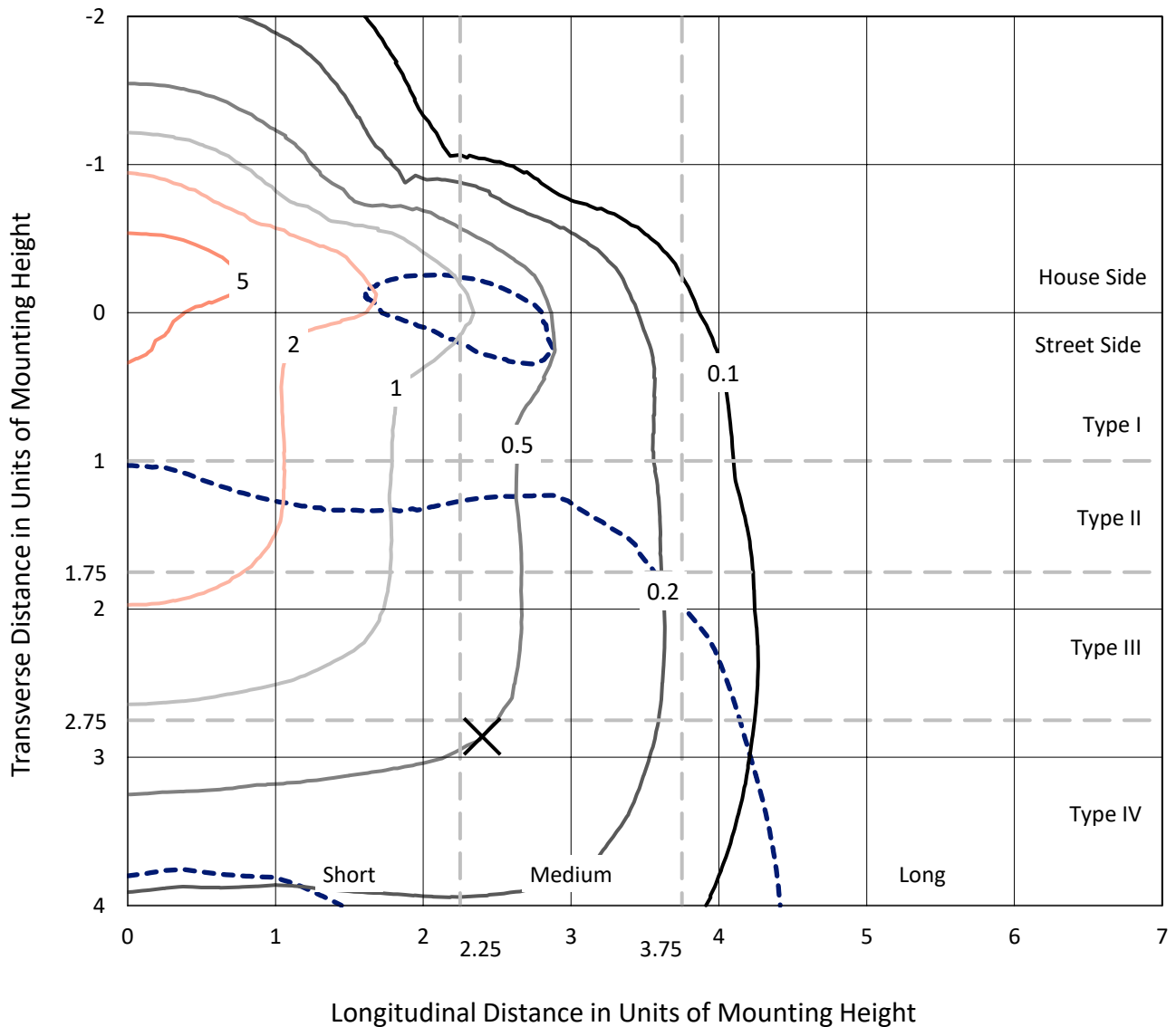
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847583
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Iso-Footcandle Lines of Horizontal Illumination

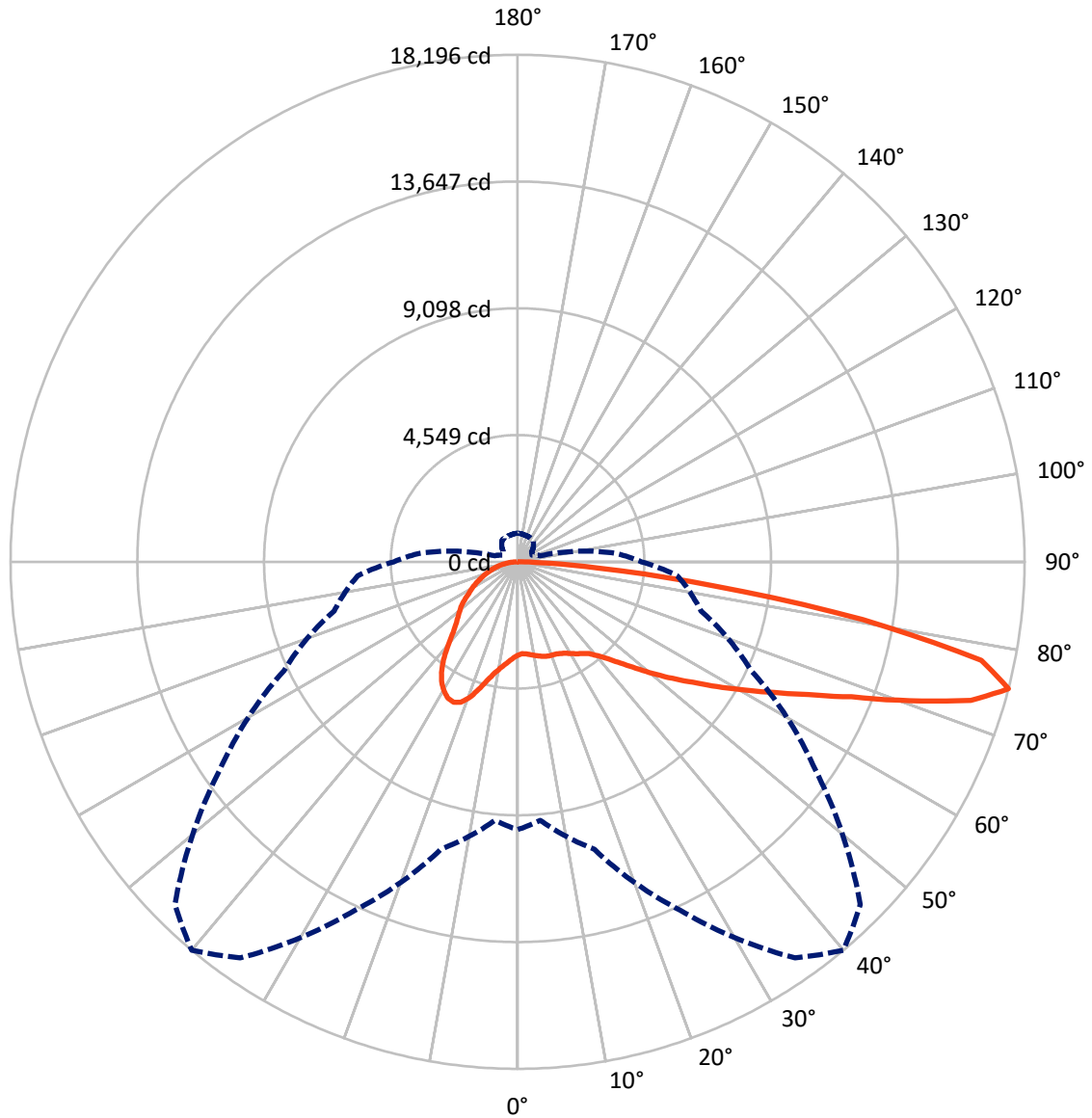
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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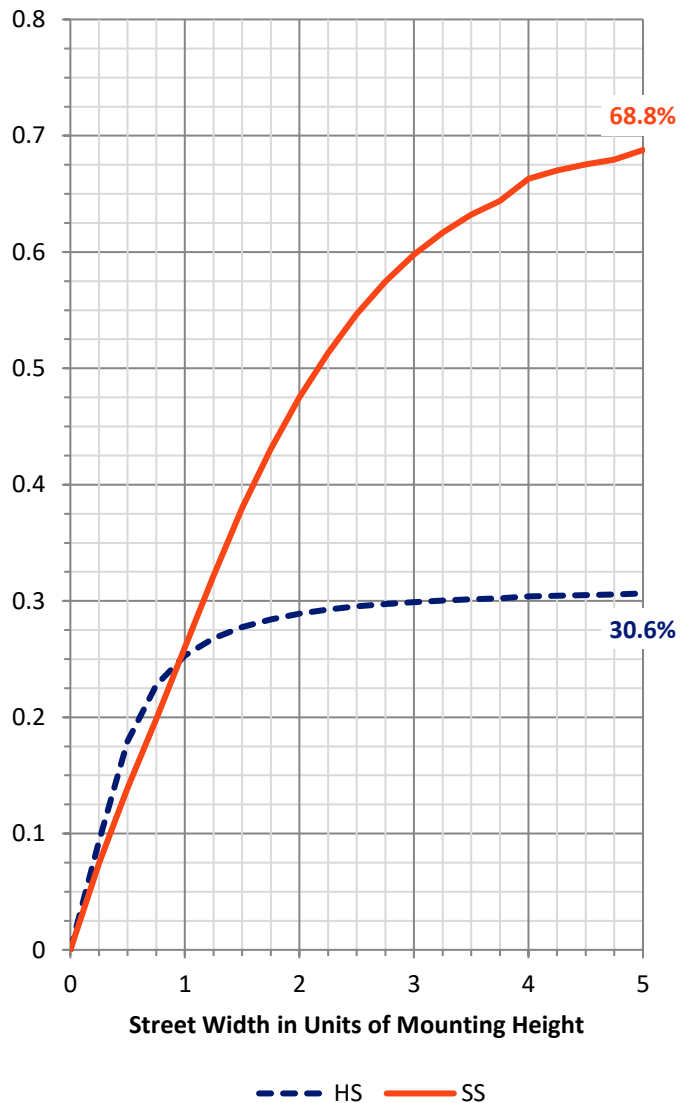
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9058.0	0.0	9058.0
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	20177.0	0.0	20177.0
	% Fixture	69.0	0.0	69.0
Total	Lumens	29235.0	0.0	29235.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.7	1.1
10°-20°	1120.4	3.8
20°-30°	2045.7	7.0
30°-40°	2901.4	9.9
40°-50°	3917.8	13.4
50°-60°	5270.5	18.0
60°-70°	6689.4	22.9
70°-80°	6071.1	20.8
80°-90°	885.0	3.0
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°	29235.0	100.0
0°-180°	29235.0	100.0

Coefficient of Utilization

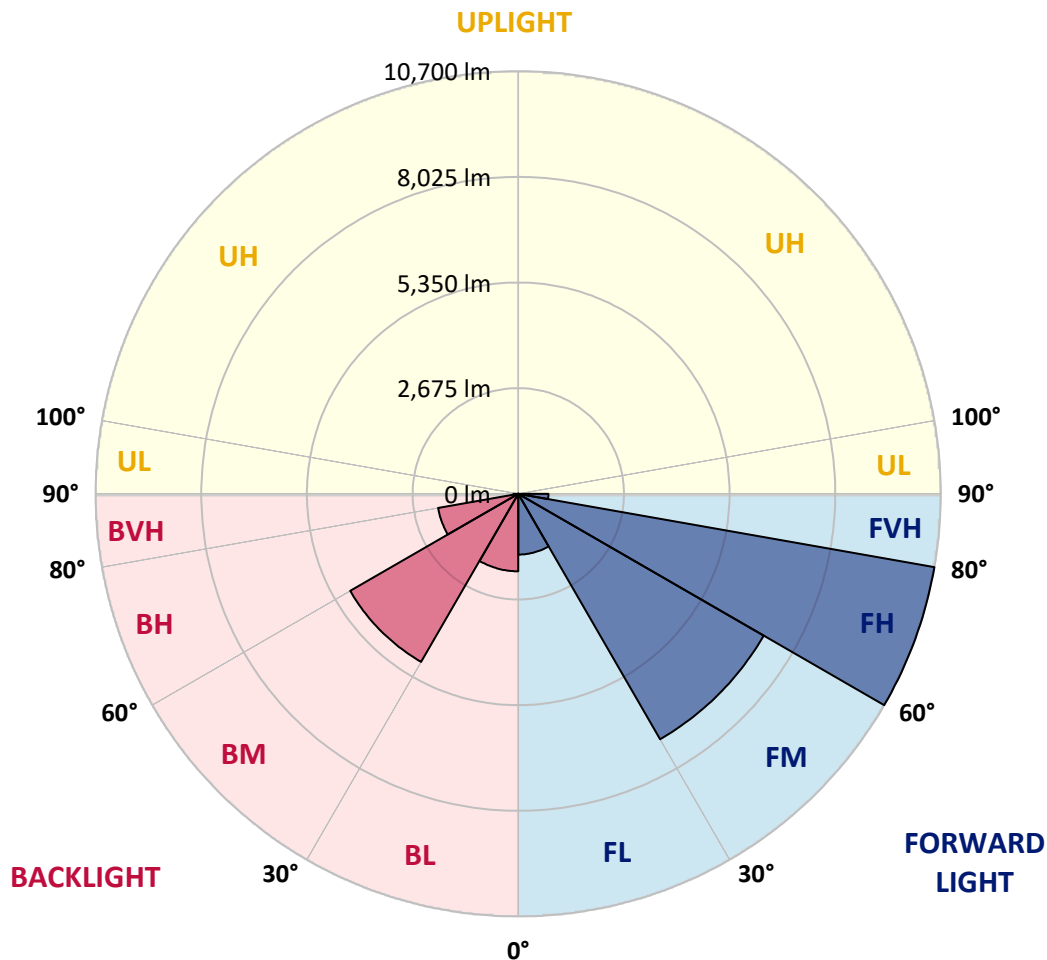


REPORT NUMBER: P847583
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1537.8	5.3			
FM (30°-60°)	7176.5	24.5			
FH (60°-80°)	10699.6	36.6			G4/12000
FVH (80°-90°)	763.1	2.6			G5
BL (0°-30°)	1962.0	6.7	B3/2500		
BM (30°-60°)	4913.1	16.8	B3/5000		
BH (60°-80°)	2061.0	7.0	B3/2500		G3/2500
BVH (80°-90°)	121.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3343.1	3343.1	3343.1	3343.1	3343.1	3343.1	3343.1	3343.1	3343.1	3343.1
2.5°	3291.9	3310.5	3305.8	3299.6	3299.6	3301.2	3299.6	3310.5	3321.4	3332.2
5°	3326.0	3344.6	3335.3	3327.6	3321.4	3319.8	3315.2	3313.6	3319.8	3333.8
7.5°	3392.7	3411.3	3397.3	3383.4	3371.0	3364.8	3358.6	3349.3	3344.6	3352.4
10°	3467.1	3485.7	3468.7	3443.8	3423.7	3415.9	3409.7	3400.4	3394.2	3398.9
12.5°	3541.5	3560.1	3536.9	3502.8	3476.4	3471.8	3464.0	3460.9	3459.4	3457.8
15°	3611.3	3626.8	3597.4	3557.0	3529.1	3521.4	3513.6	3518.3	3526.0	3535.3
17.5°	3665.6	3681.1	3637.7	3585.0	3558.6	3555.5	3550.8	3566.3	3588.1	3611.3
20°	3715.2	3730.7	3674.9	3603.6	3572.5	3572.5	3574.1	3606.7	3637.7	3671.8
22.5°	3785.0	3797.4	3729.2	3631.5	3586.5	3589.6	3602.0	3634.6	3673.3	3719.9
25°	3888.9	3898.2	3814.4	3684.2	3633.0	3642.3	3653.2	3668.7	3705.9	3760.2
27.5°	4056.3	4064.1	3954.0	3777.2	3699.7	3715.2	3730.7	3719.9	3736.9	3783.4
30°	4292.0	4296.7	4157.1	3923.0	3812.9	3820.6	3823.7	3778.8	3746.2	3783.4
32.5°	4571.1	4569.6	4403.7	4099.7	3941.6	3933.8	3907.5	3819.1	3743.1	3775.7
35°	5003.7	4986.7	4772.7	4347.8	4087.3	4039.3	3977.3	3864.1	3758.6	3767.9
37.5°	5720.1	5667.4	5371.2	4754.1	4304.4	4181.9	4090.4	3936.9	3792.7	3764.8
40°	6528.0	6461.3	6135.7	5310.8	4630.0	4433.1	4285.8	4040.8	3848.6	3778.8
42.5°	7486.2	7391.6	7041.2	5966.7	5042.5	4757.2	4535.5	4172.6	3930.7	3823.7
45°	8663.1	8537.5	8041.3	6706.3	5561.9	5182.1	4885.9	4372.6	4056.3	3910.6
47.5°	9852.4	9883.4	9177.9	7552.9	6185.3	5706.2	5324.7	4673.5	4239.3	4050.1
50°	11116.1	11137.9	10308.3	8491.0	6892.4	6298.5	5817.8	5009.9	4493.6	4248.6
52.5°	12102.3	12105.4	11334.8	9472.5	7628.9	6949.7	6349.6	5394.5	4788.2	4512.2
55°	12719.4	12711.7	12054.2	10401.3	8475.5	7633.5	6938.9	5831.8	5147.9	4822.3
57.5°	13167.6	13144.3	12550.4	11199.9	9377.9	8441.4	7605.6	6327.9	5572.8	5191.4
60°	13338.1	13324.2	12886.9	11889.9	10326.9	9334.5	8374.7	6883.0	6055.0	5627.1
62.5°	13403.3	13429.6	13217.2	12558.2	11342.5	10323.8	9219.8	7546.7	6597.7	6120.2
65°	13632.7	13680.8	13637.4	13432.7	12490.0	11482.1	10340.9	8335.9	7190.1	6648.9
67.5°	14087.1	14135.1	14153.7	14479.4	13891.7	12925.7	11739.5	9319.0	7883.2	7197.8
70°	14076.2	14062.3	14391.0	15312.0	15647.0	14924.4	13625.0	10528.5	8709.6	7653.7
72.5°	12812.5	12700.8	13477.7	15302.7	17107.6	17011.5	15927.6	12088.4	9422.9	7709.5
75°	9612.1	9314.4	10686.6	13790.9	17351.0	18196.1	17391.4	13055.9	9253.9	6811.7
77.5°	4110.6	3811.3	5428.6	10209.1	15529.1	17009.9	16048.6	11390.6	7387.0	4504.4
80°	1076.1	1074.6	1640.5	4628.5	10561.0	12561.3	11020.0	7356.0	4220.7	1609.5
82.5°	445.0	434.2	603.2	1800.2	5160.3	7049.0	5752.7	3281.0	1524.2	435.7
85°	165.9	164.4	293.1	621.8	1820.4	2907.3	2104.1	838.9	379.9	212.4
87.5°	46.5	45.0	63.6	215.5	443.5	673.0	359.7	138.0	107.0	83.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P847583
 CATALOG NUMBER: GLAN-SB3D-730-U-SL4

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
3343.1	0°	3343.1	3343.1	3343.1	3343.1	3343.1	3343.1	3343.1	3343.1	3343.1	3343.1
3349.3	2.5°	3353.9	3361.7	3375.6	3386.5	3400.4	3415.9	3437.6	3451.6	3465.6	3474.9
3357.0	5°	3367.9	3384.9	3420.6	3456.3	3498.1	3536.9	3581.9	3614.4	3640.8	3648.5
3384.9	7.5°	3398.9	3426.8	3487.3	3547.7	3614.4	3678.0	3743.1	3798.9	3843.9	3861.0
3434.5	10°	3453.2	3490.4	3575.6	3660.9	3749.3	3847.0	3930.7	4011.4	4074.9	4101.3
3493.5	12.5°	3521.4	3567.9	3679.5	3797.4	3919.9	4054.8	4163.3	4262.6	4341.6	4377.3
3575.6	15°	3609.8	3670.2	3812.9	3971.0	4150.9	4338.5	4476.5	4586.6	4675.0	4718.4
3660.9	17.5°	3705.9	3786.5	3966.4	4205.2	4462.6	4709.1	4870.4	4951.0	5042.5	5084.4
3740.0	20°	3798.9	3898.2	4155.6	4502.9	4845.6	5107.6	5237.9	5259.6	5265.8	5270.4
3814.4	22.5°	3895.1	4028.4	4392.8	4878.1	5245.6	5427.0	5445.7	5352.6	5222.4	5161.9
3887.3	25°	4000.5	4177.3	4702.9	5292.1	5589.9	5611.6	5468.9	5242.5	4996.0	4882.8
3946.2	27.5°	4102.8	4349.4	5075.1	5687.5	5838.0	5647.2	5340.2	5019.2	4721.5	4602.1
3988.1	30°	4205.2	4546.3	5486.0	6033.3	5951.1	5558.8	5137.1	4778.9	4479.6	4354.0
4025.3	32.5°	4309.1	4775.8	5958.9	6283.0	5931.0	5371.2	4884.3	4509.1	4245.5	4113.7
4057.9	35°	4426.9	5058.0	6407.0	6419.4	5796.1	5095.2	4551.0	4186.6	3957.1	3851.7
4096.6	37.5°	4580.4	5416.2	6802.4	6453.5	5560.4	4690.5	4137.0	3805.1	3616.0	3567.9
4154.0	40°	4771.1	5847.3	7104.8	6399.3	5211.5	4199.0	3684.2	3419.0	3312.0	3322.9
4231.5	42.5°	5019.2	6329.5	7317.2	6259.7	4726.2	3691.9	3287.2	3169.4	3220.6	3264.0
4347.8	45°	5341.8	6830.3	7449.0	6022.5	4177.3	3262.4	3053.1	3081.0	3119.8	3124.4
4535.5	47.5°	5754.2	7337.4	7535.8	5664.3	3617.5	2960.1	2904.2	2910.4	2902.7	2870.1
4816.1	50°	6269.0	7830.5	7613.4	5189.8	3141.5	2770.9	2696.5	2674.8	2567.8	2462.3
5189.8	52.5°	6855.1	8283.2	7645.9	4600.6	2770.9	2612.7	2491.8	2355.3	2155.3	2122.8
5659.6	55°	7506.4	8701.9	7562.2	3876.5	2459.2	2409.6	2226.6	2062.3	2040.6	2012.7
6278.3	57.5°	8284.8	9153.1	7391.6	3068.6	2139.8	2172.4	1994.1	2012.7	1973.9	1930.5
7073.8	60°	9136.0	9619.8	7092.4	2332.1	1809.5	1876.2	1933.6	1932.0	1921.2	1885.5
7912.6	62.5°	9902.0	9926.8	6503.2	1786.3	1519.6	1646.7	1803.3	1801.8	1792.5	1772.3
8788.7	65°	10357.9	9880.3	5520.1	1406.4	1280.8	1457.5	1626.6	1639.0	1640.5	1639.0
9447.7	67.5°	10277.3	9336.1	4171.1	1119.5	1083.9	1265.3	1451.3	1468.4	1480.8	1483.9
9531.4	70°	9365.5	8140.6	2719.7	893.1	908.6	1096.3	1285.4	1302.5	1313.3	1325.8
8270.8	72.5°	7300.2	5985.3	1556.8	722.6	755.1	950.5	1121.1	1141.2	1147.4	1170.7
5755.8	75°	4448.6	3519.8	840.4	569.1	620.2	812.5	958.3	981.5	992.4	1020.3
2826.7	77.5°	2115.0	1524.2	479.1	443.5	499.3	663.7	809.4	835.8	806.3	821.8
779.9	80°	714.8	566.0	302.4	338.0	381.4	517.9	648.1	674.5	612.5	609.4
258.9	82.5°	249.6	229.5	192.3	224.8	246.5	370.6	490.0	524.1	455.9	454.3
116.3	85°	97.7	93.0	107.0	122.5	147.3	227.9	322.5	339.6	280.7	226.4
34.1	87.5°	20.2	21.7	26.4	27.9	45.0	79.1	116.3	142.7	113.2	96.1
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>
3343.1
3468.7
3651.6
3862.5
4102.8
4377.3
4715.3
5082.8
5282.8
5179.0
4899.8
4616.1
4368.0
4130.8
3874.9
3602.0
3360.1
3304.3
3155.4
2894.9
2476.3
2133.6
2017.3
1922.7
1873.1
1764.6
1639.0
1487.0
1332.0
1180.0
1023.4
809.4
603.2
432.6
223.3
88.4
0.0

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