

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: P848373

Luminaire Tested: **GLAN-SB4D-930-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848373  
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-SB4D-930-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 90 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: 27274 lumens  
Efficiency: N/A  
Efficacy: 92.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

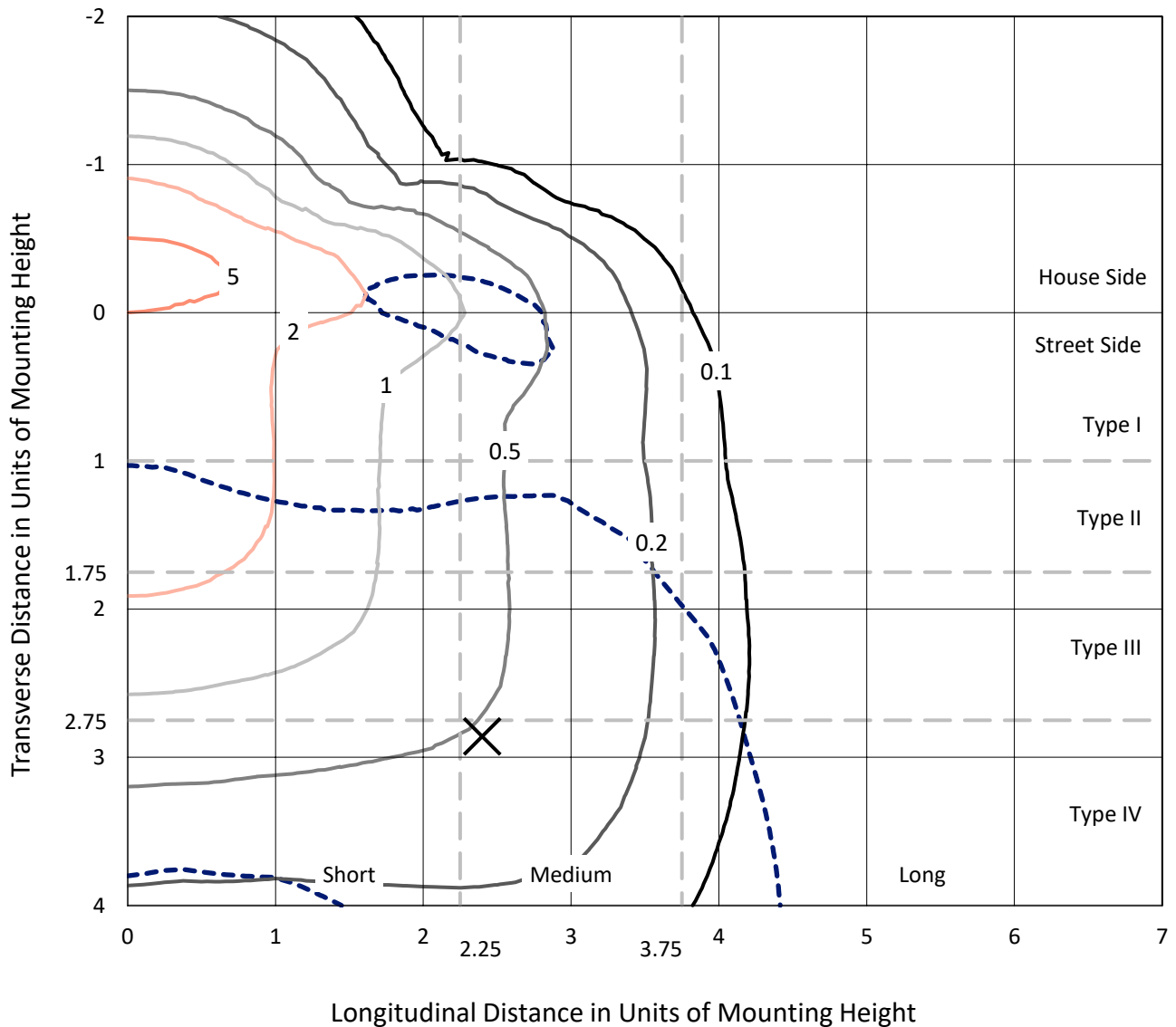
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

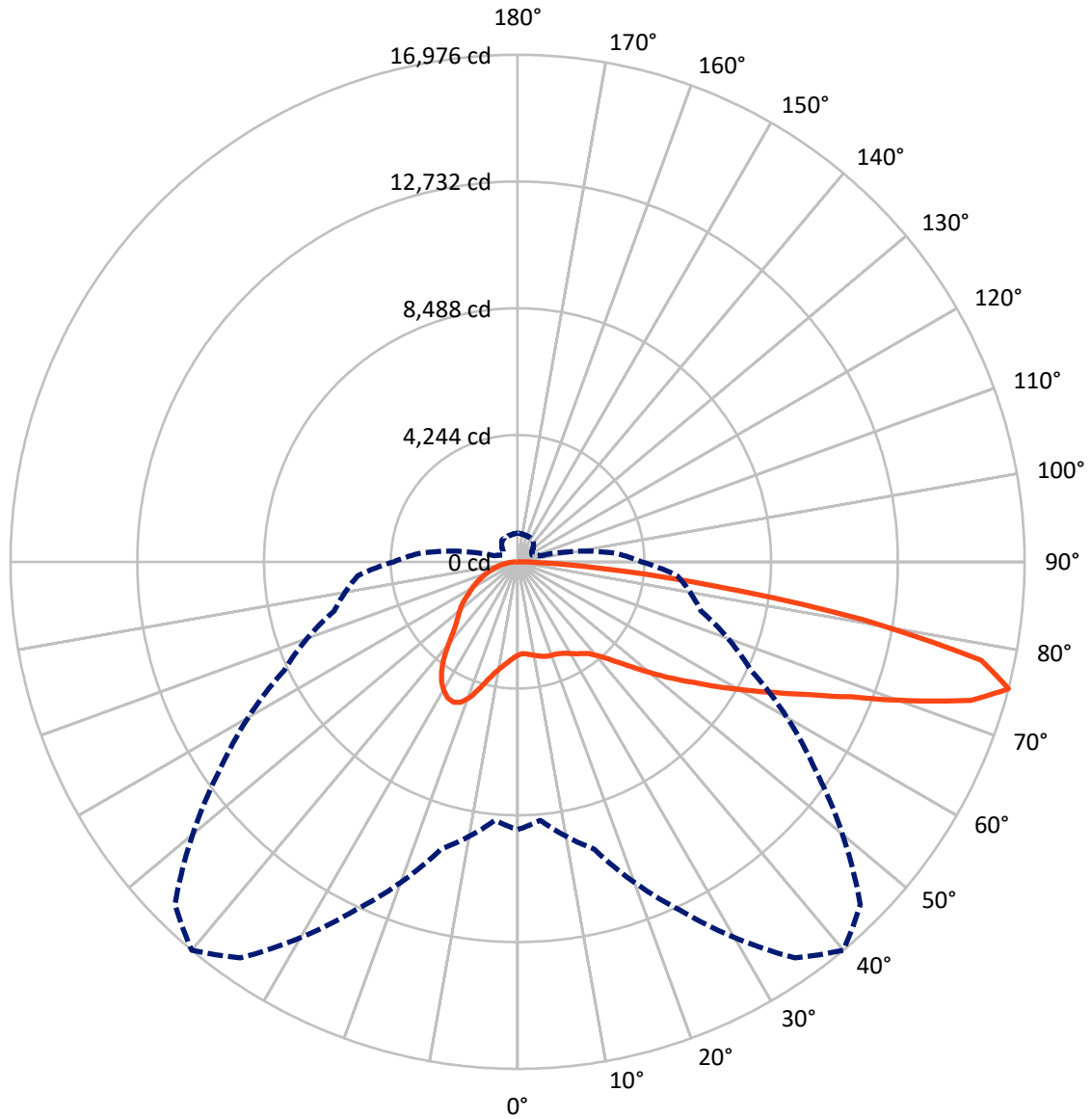
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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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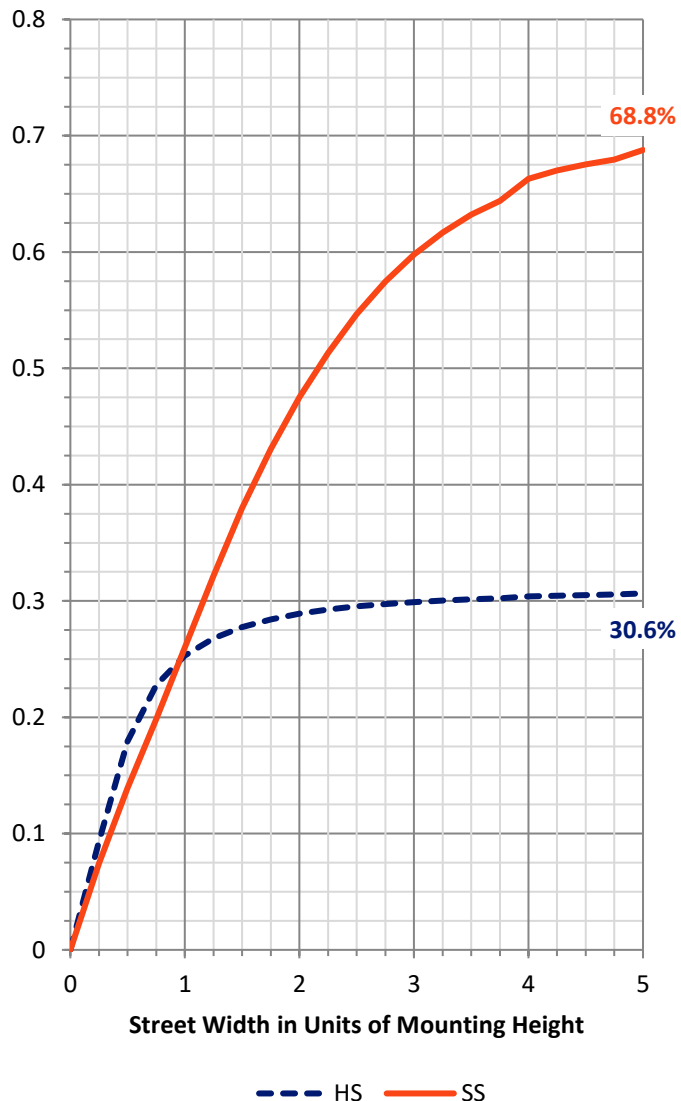
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8450.4	0.0	8450.4
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	18823.6	0.0	18823.6
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	27274.0	0.0	27274.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	311.3	1.1
10°-20°	1045.2	3.8
20°-30°	1908.5	7.0
30°-40°	2706.8	9.9
40°-50°	3655.0	13.4
50°-60°	4916.9	18.0
60°-70°	6240.7	22.9
70°-80°	5663.9	20.8
80°-90°	825.6	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°	27274.0	100.0
0°-180°	27274.0	100.0

**Coefficient of Utilization**

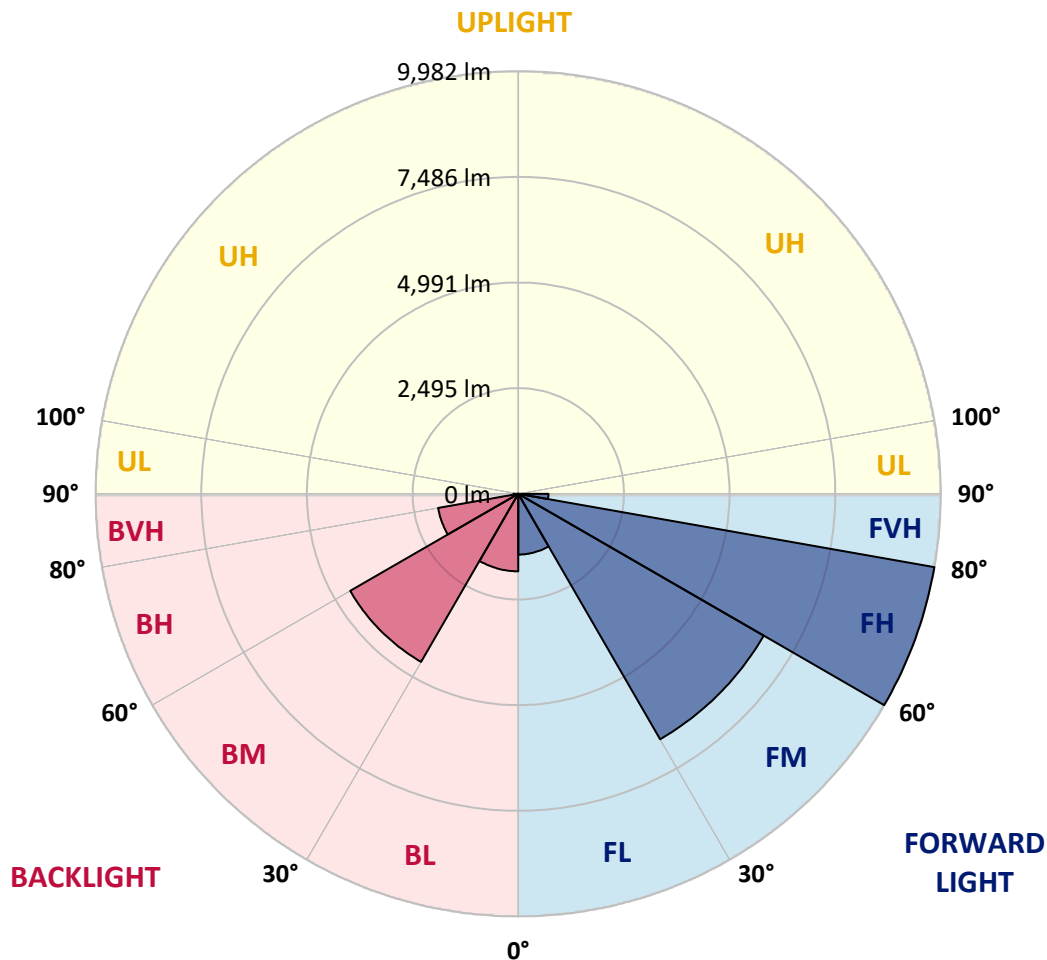


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1434.6	5.3			
FM (30°-60°)	6695.2	24.5			
FH (60°-80°)	9981.9	36.6			G4/12000
FVH (80°-90°)	711.9	2.6			G4/750
BL (0°-30°)	1830.4	6.7	B3/2500		
BM (30°-60°)	4583.6	16.8	B3/5000		
BH (60°-80°)	1922.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	113.7	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-G4**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8
2.5°	3071.1	3088.4	3084.1	3078.3	3078.3	3079.8	3078.3	3088.4	3098.6	3108.7
5°	3102.9	3120.3	3111.6	3104.4	3098.6	3097.1	3092.8	3091.3	3097.1	3110.1
7.5°	3165.1	3182.5	3169.4	3156.4	3144.9	3139.1	3133.3	3124.6	3120.3	3127.5
10°	3234.5	3251.9	3236.0	3212.8	3194.0	3186.8	3181.0	3172.3	3166.6	3170.9
12.5°	3304.0	3321.3	3299.6	3267.8	3243.2	3238.9	3231.7	3228.8	3227.3	3225.9
15°	3369.1	3383.5	3356.1	3318.4	3292.4	3285.2	3277.9	3282.3	3289.5	3298.2
17.5°	3419.7	3434.2	3393.7	3344.5	3319.9	3317.0	3312.7	3327.1	3347.4	3369.1
20°	3466.0	3480.5	3428.4	3361.8	3332.9	3332.9	3334.4	3364.7	3393.7	3425.5
22.5°	3531.1	3542.7	3479.0	3387.9	3345.9	3348.8	3360.4	3390.8	3426.9	3470.3
25°	3628.0	3636.7	3558.6	3437.1	3389.3	3398.0	3408.1	3422.6	3457.3	3507.9
27.5°	3784.2	3791.5	3688.8	3523.9	3451.5	3466.0	3480.5	3470.3	3486.2	3529.6
30°	4004.1	4008.5	3878.3	3659.8	3557.1	3564.4	3567.3	3525.3	3494.9	3529.6
32.5°	4264.5	4263.1	4108.3	3824.7	3677.2	3670.0	3645.4	3562.9	3492.0	3522.4
35°	4668.1	4652.2	4452.6	4056.2	3813.2	3768.3	3710.5	3604.9	3506.5	3515.2
37.5°	5336.4	5287.2	5010.9	4435.2	4015.7	3901.4	3816.1	3672.9	3538.3	3512.3
40°	6090.1	6027.9	5724.1	4954.5	4319.5	4135.8	3998.3	3769.8	3590.4	3525.3
42.5°	6984.1	6895.8	6568.9	5566.4	4704.3	4438.1	4231.2	3892.7	3667.1	3567.3
45°	8082.0	7964.8	7501.9	6256.4	5188.9	4834.5	4558.2	4079.3	3784.2	3648.3
47.5°	9191.5	9220.5	8562.3	7046.3	5770.4	5323.4	4967.5	4360.0	3954.9	3778.5
50°	10370.5	10390.8	9616.8	7921.5	6430.0	5876.0	5427.6	4673.9	4192.2	3963.6
52.5°	11290.5	11293.4	10574.5	8837.1	7117.2	6483.6	5923.7	5032.6	4467.0	4209.5
55°	11866.3	11859.0	11245.7	9703.6	7907.0	7121.5	6473.4	5440.6	4802.6	4498.9
57.5°	12284.3	12262.6	11708.6	10448.6	8748.9	7875.2	7095.5	5903.5	5199.0	4843.1
60°	12443.4	12430.4	12022.5	11092.3	9634.2	8708.4	7813.0	6421.4	5648.9	5249.6
62.5°	12504.2	12528.8	12330.6	11715.8	10581.7	9631.3	8601.3	7040.5	6155.2	5709.6
65°	12718.3	12763.1	12722.6	12531.7	11652.2	10711.9	9647.2	7776.8	6707.8	6202.9
67.5°	13142.1	13187.0	13204.3	13508.1	12959.9	12058.7	10952.0	8693.9	7354.4	6715.0
70°	13132.0	13119.0	13425.7	14284.9	14597.4	13923.3	12711.1	9822.3	8125.4	7140.3
72.5°	11953.1	11848.9	12573.6	14276.3	15960.1	15870.4	14859.2	11277.5	8790.8	7192.4
75°	8967.3	8689.6	9969.8	12865.8	16187.2	16975.6	16224.8	12180.2	8633.2	6354.8
77.5°	3834.9	3555.7	5064.5	9524.3	14487.5	15868.9	14972.1	10626.5	6891.5	4202.3
80°	1003.9	1002.5	1530.5	4318.0	9852.6	11718.7	10280.8	6862.6	3937.6	1501.5
82.5°	415.2	405.0	562.7	1679.5	4814.2	6576.1	5366.8	3061.0	1422.0	406.5
85°	154.8	153.3	273.4	580.1	1698.3	2712.3	1963.0	782.6	354.4	198.2
87.5°	43.4	42.0	59.3	201.1	413.7	627.8	335.6	128.7	99.8	78.1
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°
3118.8	0°	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8	3118.8
3124.6	2.5°	3128.9	3136.2	3149.2	3159.3	3172.3	3186.8	3207.1	3220.1	3233.1	3241.8
3131.8	5°	3142.0	3157.9	3191.1	3224.4	3263.5	3299.6	3341.6	3372.0	3396.6	3403.8
3157.9	7.5°	3170.9	3196.9	3253.3	3309.8	3372.0	3431.3	3492.0	3544.1	3586.1	3602.0
3204.2	10°	3221.5	3256.2	3335.8	3415.4	3497.8	3589.0	3667.1	3742.3	3801.6	3826.2
3259.1	12.5°	3285.2	3328.6	3432.7	3542.7	3656.9	3782.8	3884.1	3976.6	4050.4	4083.7
3335.8	15°	3367.6	3424.0	3557.1	3704.7	3872.5	4047.5	4176.3	4279.0	4361.4	4401.9
3415.4	17.5°	3457.3	3532.5	3700.3	3923.1	4163.2	4393.3	4543.7	4618.9	4704.3	4743.3
3489.1	20°	3544.1	3636.7	3876.8	4200.9	4520.6	4765.0	4886.5	4906.8	4912.6	4916.9
3558.6	22.5°	3633.8	3758.2	4098.2	4550.9	4893.8	5063.0	5080.4	4993.6	4872.1	4815.7
3626.6	25°	3732.2	3897.1	4387.5	4937.2	5214.9	5235.2	5102.1	4890.9	4660.9	4555.3
3681.5	27.5°	3827.6	4057.6	4734.6	5306.0	5446.4	5268.4	4982.0	4682.6	4404.8	4293.4
3720.6	30°	3923.1	4241.4	5118.0	5628.6	5552.0	5186.0	4792.5	4458.3	4179.2	4062.0
3755.3	32.5°	4020.0	4455.5	5559.2	5861.5	5533.2	5010.9	4556.7	4206.6	3960.7	3837.8
3785.7	35°	4130.0	4718.7	5977.3	5988.8	5407.3	4753.4	4245.7	3905.8	3691.7	3593.3
3821.9	37.5°	4273.2	5052.9	6346.1	6020.7	5187.4	4375.9	3859.5	3549.9	3373.4	3328.6
3875.4	40°	4451.1	5455.0	6628.2	5970.0	4861.9	3917.3	3437.1	3189.7	3089.9	3100.0
3947.7	42.5°	4682.6	5904.9	6826.4	5839.8	4409.2	3444.3	3066.7	2956.8	3004.5	3045.0
4056.2	45°	4983.5	6372.2	6949.4	5618.5	3897.1	3043.6	2848.3	2874.3	2910.5	2914.9
4231.2	47.5°	5368.2	6845.2	7030.4	5284.3	3374.9	2761.5	2709.4	2715.2	2708.0	2677.6
4493.1	50°	5848.5	7305.2	7102.7	4841.7	2930.8	2585.0	2515.6	2495.3	2395.5	2297.2
4841.7	52.5°	6395.3	7727.6	7133.1	4292.0	2585.0	2437.5	2324.6	2197.3	2010.7	1980.4
5280.0	55°	7002.9	8118.2	7055.0	3616.4	2294.3	2248.0	2077.3	1923.9	1903.7	1877.7
5857.2	57.5°	7729.1	8539.1	6895.8	2862.8	1996.3	2026.7	1860.3	1877.7	1841.5	1801.0
6599.3	60°	8523.2	8974.6	6616.6	2175.7	1688.2	1750.4	1803.9	1802.4	1792.3	1759.0
7381.9	62.5°	9237.8	9261.0	6066.9	1666.5	1417.6	1536.3	1682.4	1680.9	1672.2	1653.4
8199.2	65°	9663.1	9217.6	5149.8	1312.0	1194.9	1359.8	1517.5	1529.0	1530.5	1529.0
8814.0	67.5°	9587.9	8709.8	3891.3	1044.4	1011.2	1180.4	1354.0	1369.9	1381.5	1384.4
8892.1	70°	8737.3	7594.5	2537.3	833.2	847.7	1022.7	1199.2	1215.1	1225.3	1236.8
7716.0	72.5°	6810.5	5583.8	1452.4	674.1	704.5	886.8	1045.9	1064.7	1070.5	1092.2
5369.7	75°	4150.2	3283.7	784.0	530.9	578.6	758.0	894.0	915.7	925.8	951.8
2637.1	77.5°	1973.1	1422.0	447.0	413.7	465.8	619.1	755.1	779.7	752.2	766.7
727.6	80°	666.9	528.0	282.1	315.4	355.9	483.2	604.7	629.3	571.4	568.5
241.6	82.5°	232.9	214.1	179.4	209.8	230.0	345.7	457.1	488.9	425.3	423.8
108.5	85°	91.1	86.8	99.8	114.3	137.4	212.6	300.9	316.8	261.8	211.2
31.8	87.5°	18.8	20.3	24.6	26.0	42.0	73.8	108.5	133.1	105.6	89.7
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>
3118.8
3236.0
3406.7
3603.4
3827.6
4083.7
4399.0
4741.9
4928.5
4831.6
4571.2
4306.5
4075.0
3853.7
3615.0
3360.4
3134.7
3082.7
2943.8
2700.8
2310.2
1990.5
1882.0
1793.8
1747.5
1646.2
1529.0
1387.3
1242.6
1100.8
954.7
755.1
562.7
403.6
208.3
82.5
0.0

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