

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: P849353

Luminaire Tested: **GLAN-SB6B-835-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849353  
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-SB6B-835-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 28026 lumens  
Efficiency: N/A  
Efficacy: 127.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

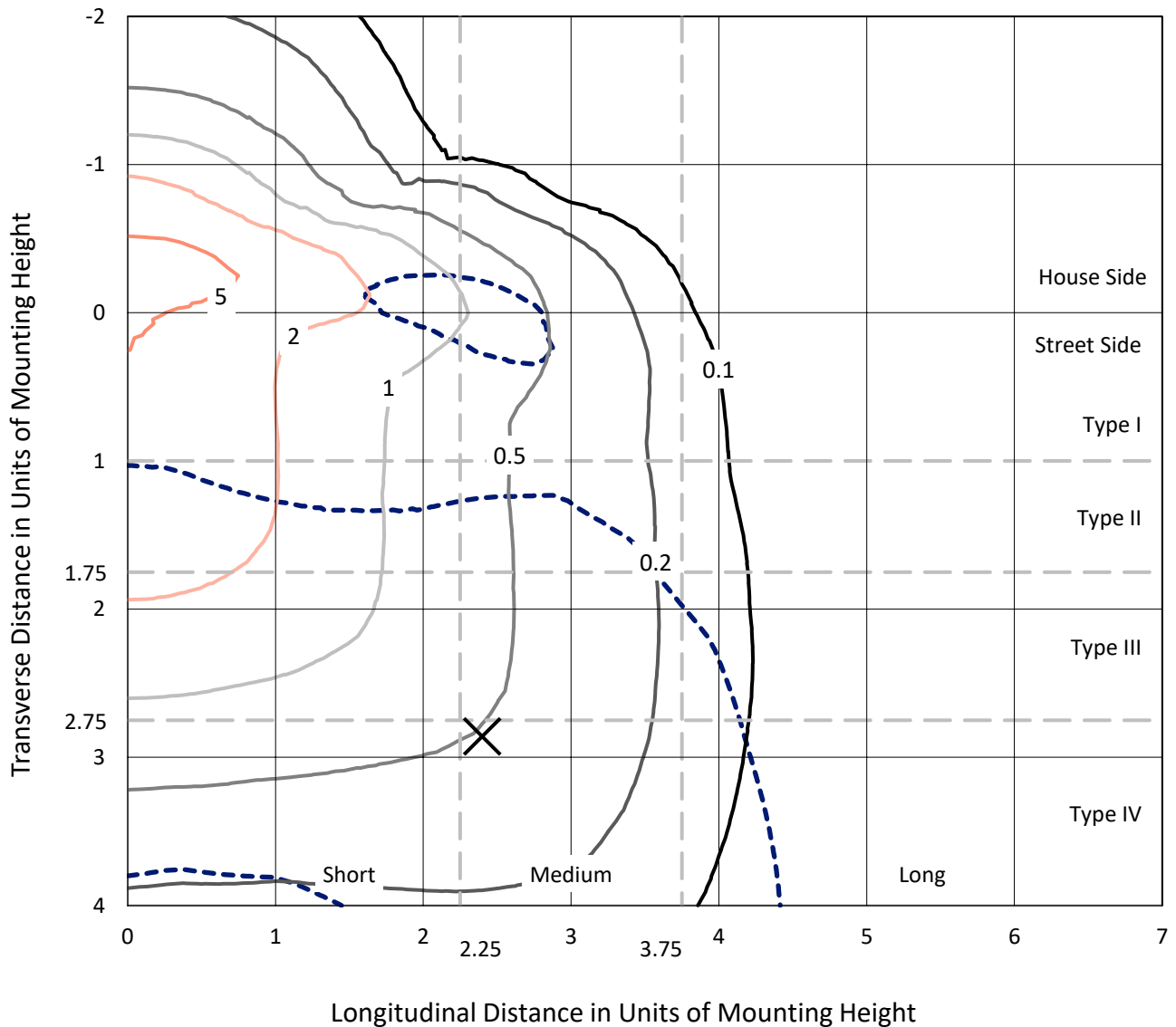
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

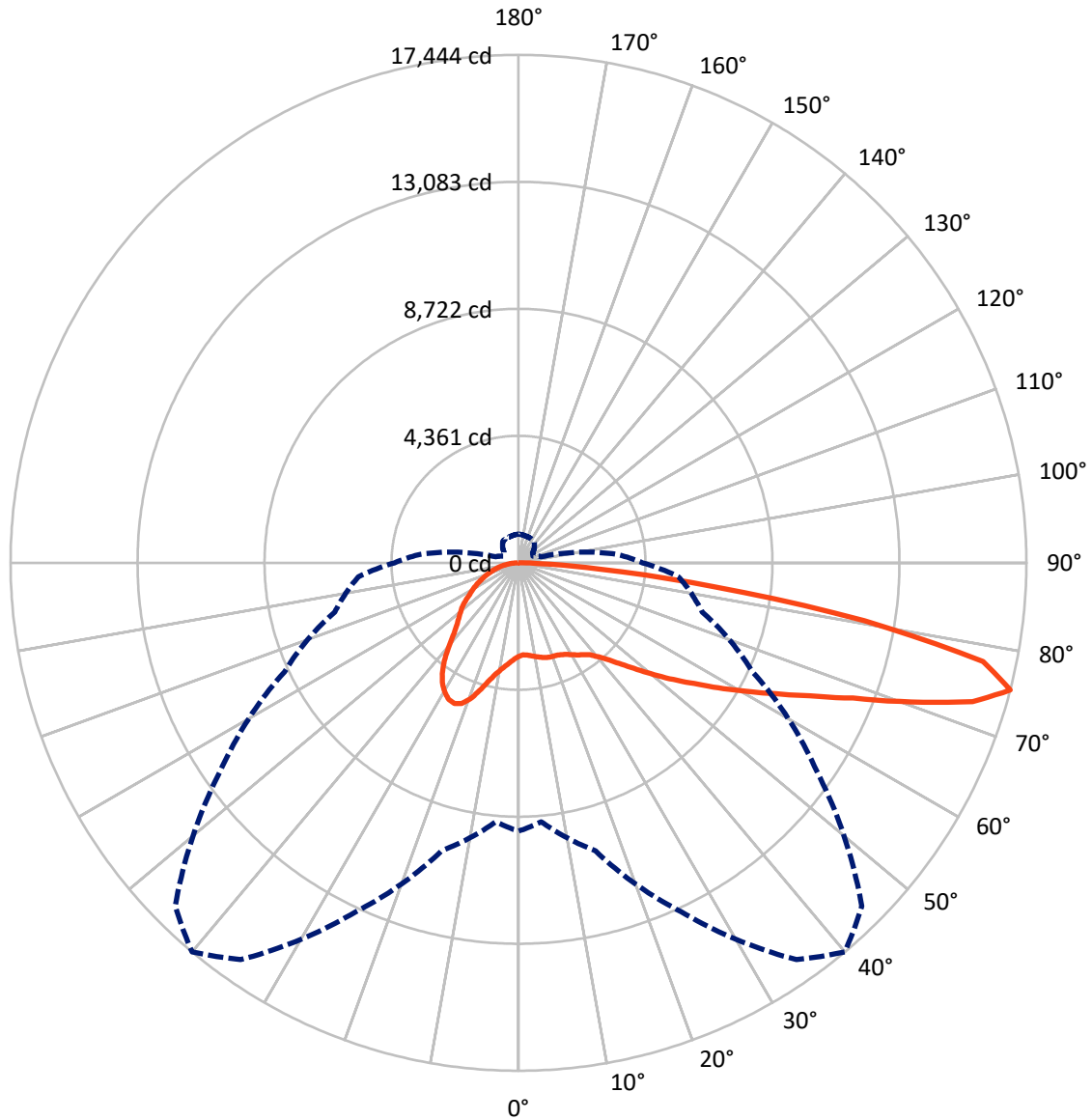
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 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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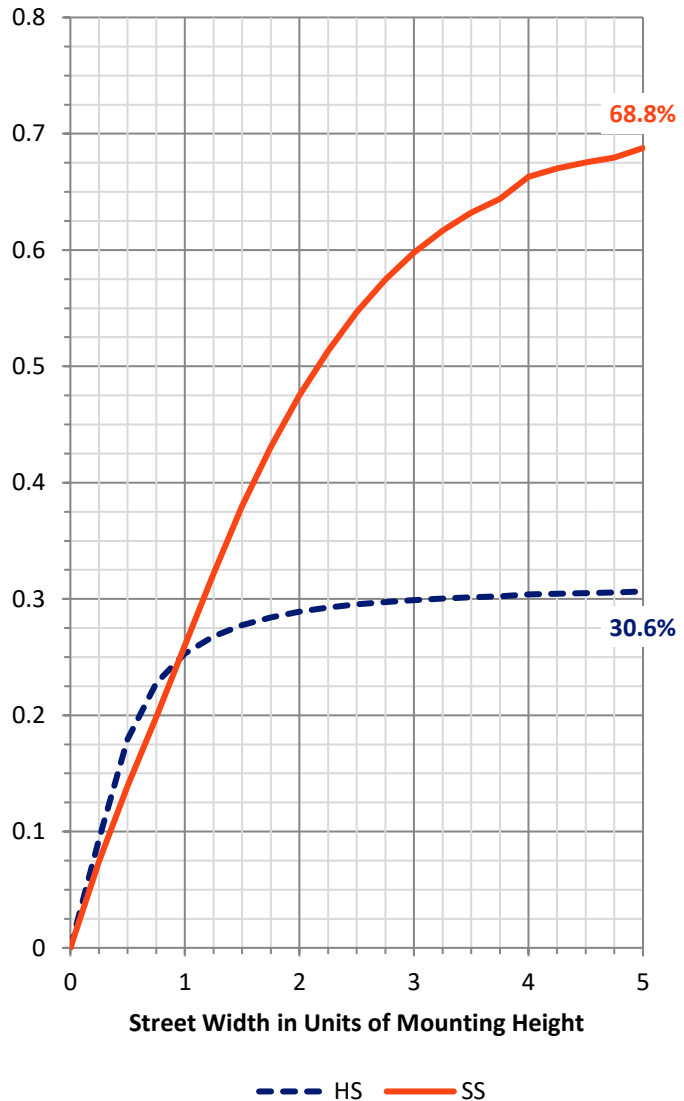
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8683.4	0.0	8683.4
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	19342.6	0.0	19342.6
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	28026.0	0.0	28026.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.9	1.1
10°-20°	1074.1	3.8
20°-30°	1961.1	7.0
30°-40°	2781.4	9.9
40°-50°	3755.8	13.4
50°-60°	5052.5	18.0
60°-70°	6412.8	22.9
70°-80°	5820.0	20.8
80°-90°	848.4	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°	28026.0	100.0
0°-180°	28026.0	100.0

**Coefficient of Utilization**

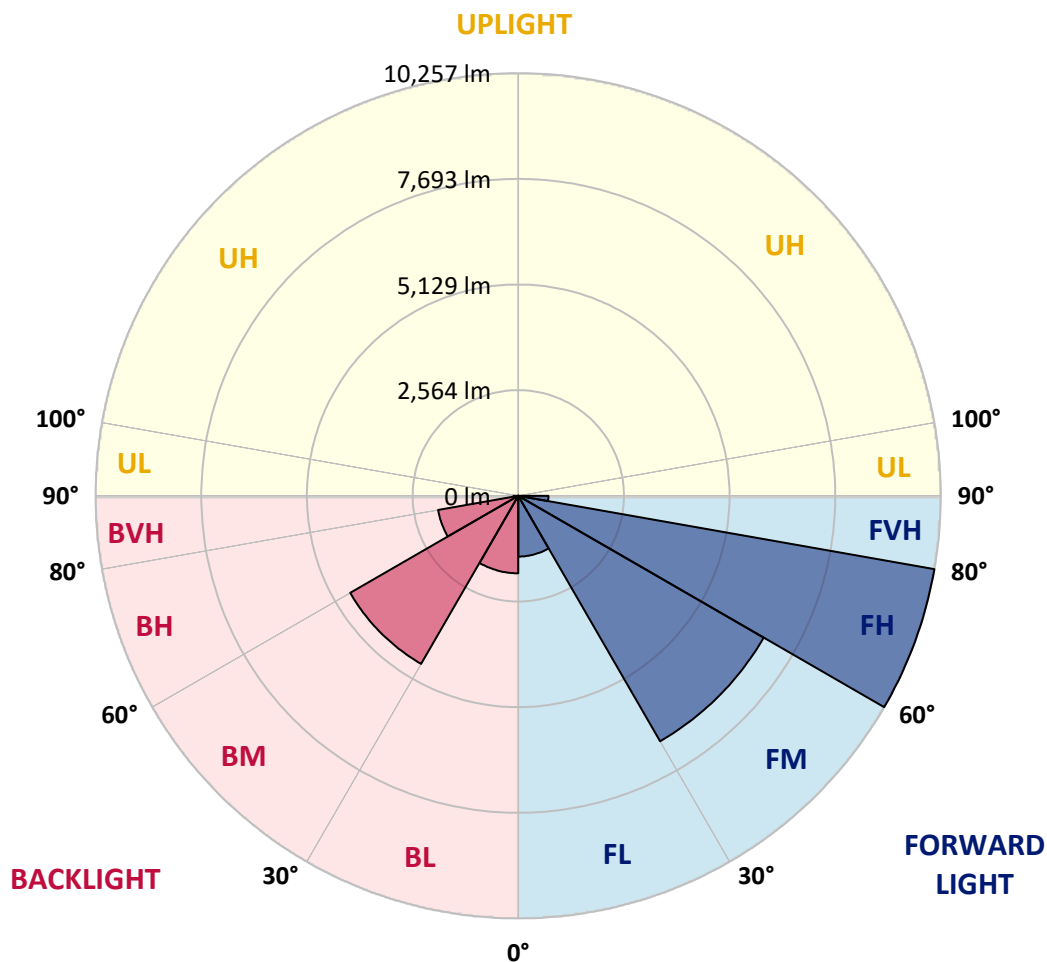


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1474.2	5.3			
FM (30°-60°)	6879.8	24.5			
FH (60°-80°)	10257.1	36.6			G4/12000
FVH (80°-90°)	731.6	2.6			G4/750
BL (0°-30°)	1880.9	6.7	B3/2500		
BM (30°-60°)	4710.0	16.8	B3/5000		
BH (60°-80°)	1975.7	7.0	B3/2500		G3/2500
BVH (80°-90°)	116.8	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-G4**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8
2.5°	3155.8	3173.6	3169.1	3163.2	3163.2	3164.7	3163.2	3173.6	3184.0	3194.4
5°	3188.5	3206.3	3197.4	3189.9	3184.0	3182.5	3178.1	3176.6	3182.5	3195.9
7.5°	3252.4	3270.2	3256.8	3243.5	3231.6	3225.6	3219.7	3210.8	3206.3	3213.7
10°	3323.7	3341.6	3325.2	3301.4	3282.1	3274.7	3268.7	3259.8	3253.9	3258.3
12.5°	3395.1	3412.9	3390.6	3357.9	3332.6	3328.2	3320.8	3317.8	3316.3	3314.8
15°	3462.0	3476.8	3448.6	3409.9	3383.2	3375.8	3368.3	3372.8	3380.2	3389.1
17.5°	3514.0	3528.9	3487.2	3436.7	3411.4	3408.5	3404.0	3418.9	3439.7	3462.0
20°	3561.6	3576.4	3522.9	3454.5	3424.8	3424.8	3426.3	3457.5	3487.2	3519.9
22.5°	3628.5	3640.3	3574.9	3481.3	3438.2	3441.2	3453.0	3484.3	3521.4	3566.0
25°	3728.0	3737.0	3656.7	3531.8	3482.8	3491.7	3502.1	3517.0	3552.6	3604.7
27.5°	3888.6	3896.0	3790.5	3621.0	3546.7	3561.6	3576.4	3566.0	3582.4	3627.0
30°	4114.5	4119.0	3985.2	3760.7	3655.2	3662.6	3665.6	3622.5	3591.3	3627.0
32.5°	4382.1	4380.6	4221.5	3930.2	3778.6	3771.2	3745.9	3661.2	3588.3	3619.5
35°	4796.8	4780.5	4575.3	4168.0	3918.3	3872.2	3812.8	3704.3	3603.2	3612.1
37.5°	5483.6	5433.0	5149.1	4557.5	4126.4	4009.0	3921.3	3774.1	3635.9	3609.1
40°	6258.0	6194.1	5881.9	5091.1	4438.6	4249.8	4108.6	3873.7	3689.4	3622.5
42.5°	7176.6	7086.0	6750.0	5719.9	4834.0	4560.5	4347.9	4000.1	3768.2	3665.6
45°	8304.9	8184.5	7708.8	6428.9	5331.9	4967.8	4683.8	4191.8	3888.6	3748.9
47.5°	9445.0	9474.7	8798.4	7240.6	5929.5	5470.2	5104.5	4480.2	4064.0	3882.6
50°	10656.4	10677.3	9882.0	8139.9	6607.3	6038.0	5577.2	4802.8	4307.8	4072.9
52.5°	11601.8	11604.8	10866.0	9080.8	7313.4	6662.3	6087.1	5171.4	4590.2	4325.6
55°	12193.4	12186.0	11555.7	9971.2	8125.0	7317.8	6651.9	5590.6	4935.1	4622.9
57.5°	12623.0	12600.7	12031.4	10736.7	8990.1	8092.3	7291.1	6066.2	5342.3	4976.7
60°	12786.5	12773.2	12354.0	11398.2	9899.8	8948.5	8028.4	6598.4	5804.6	5394.4
62.5°	12849.0	12874.2	12670.6	12038.8	10873.5	9896.9	8838.5	7234.6	6324.9	5867.1
65°	13069.0	13115.0	13073.4	12877.2	11973.4	11007.2	9913.2	7991.2	6892.7	6373.9
67.5°	13504.5	13550.6	13568.4	13880.6	13317.2	12391.1	11254.0	8933.6	7557.2	6900.2
70°	13494.1	13480.7	13795.8	14678.8	14999.9	14307.2	13061.5	10093.1	8349.5	7337.2
72.5°	12282.6	12175.6	12920.3	14669.9	16400.1	16308.0	15268.9	11588.5	9033.2	7390.7
75°	9214.6	8929.2	10244.7	13220.6	16633.5	17443.6	16672.1	12516.0	8871.2	6530.0
77.5°	3940.6	3653.7	5204.1	9786.9	14886.9	16306.5	15384.9	10919.5	7081.5	4318.2
80°	1031.6	1030.1	1572.7	4437.1	10124.3	12041.8	10564.3	7051.8	4046.1	1542.9
82.5°	426.6	416.2	578.2	1725.8	4946.9	6757.5	5514.8	3145.4	1461.2	417.7
85°	159.1	157.6	280.9	596.1	1745.1	2787.1	2017.1	804.2	364.2	203.6
87.5°	44.6	43.1	60.9	206.6	425.1	645.1	344.9	132.3	102.6	80.3
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°
3204.8	0°	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8	3204.8
3210.8	2.5°	3215.2	3222.6	3236.0	3246.4	3259.8	3274.7	3295.5	3308.9	3322.2	3331.2
3218.2	5°	3228.6	3244.9	3279.1	3313.3	3353.5	3390.6	3433.7	3464.9	3490.2	3497.6
3244.9	7.5°	3258.3	3285.1	3343.1	3401.0	3464.9	3525.9	3588.3	3641.8	3684.9	3701.3
3292.5	10°	3310.3	3346.0	3427.8	3509.5	3594.3	3687.9	3768.2	3845.5	3906.4	3931.7
3349.0	12.5°	3375.8	3420.3	3527.4	3640.3	3757.8	3887.1	3991.1	4086.3	4162.1	4196.3
3427.8	15°	3460.5	3518.5	3655.2	3806.8	3979.3	4159.1	4291.4	4397.0	4481.7	4523.3
3509.5	17.5°	3552.6	3629.9	3802.4	4031.3	4278.0	4514.4	4669.0	4746.3	4834.0	4874.1
3585.3	20°	3641.8	3737.0	3983.7	4316.7	4645.2	4896.4	5021.3	5042.1	5048.0	5052.5
3656.7	22.5°	3734.0	3861.8	4211.1	4676.4	5028.7	5202.6	5220.5	5131.3	5006.4	4948.4
3726.6	25°	3835.1	4004.5	4508.4	5073.3	5358.7	5379.5	5242.7	5025.7	4789.4	4680.9
3783.0	27.5°	3933.2	4169.5	4865.2	5452.3	5596.5	5413.7	5119.4	4811.7	4526.3	4411.8
3823.2	30°	4031.3	4358.3	5259.1	5783.8	5705.0	5329.0	4924.6	4581.3	4294.4	4174.0
3858.9	32.5°	4130.9	4578.3	5712.5	6023.1	5685.7	5149.1	4682.4	4322.6	4069.9	3943.6
3890.1	35°	4243.8	4848.8	6142.1	6153.9	5556.4	4884.5	4362.8	4013.4	3793.4	3692.4
3927.2	37.5°	4391.0	5192.2	6521.1	6186.7	5330.5	4496.5	3965.9	3647.8	3466.4	3420.3
3982.2	40°	4573.8	5605.4	6811.0	6134.6	4996.0	4025.3	3531.8	3277.6	3175.1	3185.5
4056.6	42.5°	4811.7	6067.7	7014.6	6000.8	4530.7	3539.3	3151.3	3038.3	3087.4	3129.0
4168.0	45°	5120.9	6547.9	7141.0	5773.4	4004.5	3127.5	2926.8	2953.6	2990.8	2995.2
4347.9	47.5°	5516.3	7033.9	7224.2	5430.0	3467.9	2837.7	2784.1	2790.1	2782.7	2751.4
4616.9	50°	6009.8	7506.6	7298.5	4975.2	3011.6	2656.3	2585.0	2564.1	2461.6	2360.5
4975.2	52.5°	6571.6	7940.7	7329.7	4410.3	2656.3	2504.7	2388.7	2257.9	2066.2	2035.0
5425.6	55°	7196.0	8342.0	7249.5	3716.2	2357.5	2310.0	2134.6	1977.0	1956.2	1929.4
6018.7	57.5°	7942.2	8774.6	7086.0	2941.7	2051.3	2082.5	1911.6	1929.4	1892.3	1850.6
6781.2	60°	8758.2	9222.0	6799.1	2235.6	1734.7	1798.6	1853.6	1852.1	1841.7	1807.5
7585.4	62.5°	9492.5	9516.3	6234.2	1712.4	1456.7	1578.6	1728.8	1727.3	1718.3	1699.0
8425.3	65°	9929.6	9471.7	5291.8	1348.2	1227.8	1397.3	1559.3	1571.2	1572.7	1571.2
9057.0	67.5°	9852.3	8950.0	3998.6	1073.2	1039.0	1213.0	1391.3	1407.7	1419.6	1422.5
9137.3	70°	8978.2	7803.9	2607.3	856.2	871.1	1050.9	1232.3	1248.6	1259.0	1270.9
7928.8	72.5°	6998.3	5737.7	1492.4	692.7	723.9	911.2	1074.7	1094.0	1100.0	1122.3
5517.7	75°	4264.7	3374.3	805.7	545.5	594.6	778.9	918.6	940.9	951.3	978.1
2709.8	77.5°	2027.5	1461.2	459.3	425.1	478.6	636.2	775.9	801.2	773.0	787.8
747.7	80°	685.3	542.6	289.9	324.0	365.7	496.5	621.3	646.6	587.2	584.2
248.2	82.5°	239.3	220.0	184.3	215.5	236.3	355.3	469.7	502.4	437.0	435.5
111.5	85°	93.6	89.2	102.6	117.4	141.2	218.5	309.2	325.5	269.0	217.0
32.7	87.5°	19.3	20.8	25.3	26.8	43.1	75.8	111.5	136.8	108.5	92.2
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>
3204.8
3325.2
3500.6
3702.8
3933.2
4196.3
4520.3
4872.6
5064.4
4964.8
4697.2
4425.2
4187.4
3959.9
3714.7
3453.0
3221.2
3167.6
3024.9
2775.2
2373.9
2045.4
1933.9
1843.2
1795.6
1691.6
1571.2
1425.5
1276.9
1131.2
<i>981.1</i>
775.9
578.2
414.7
214.1
84.7
0.0

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