

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: P852769

Luminaire Tested: **GLAN-SB6B-735-U-T4FT**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P852769  
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-SB6B-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 33119 lumens  
Efficiency: N/A  
Efficacy: 150.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

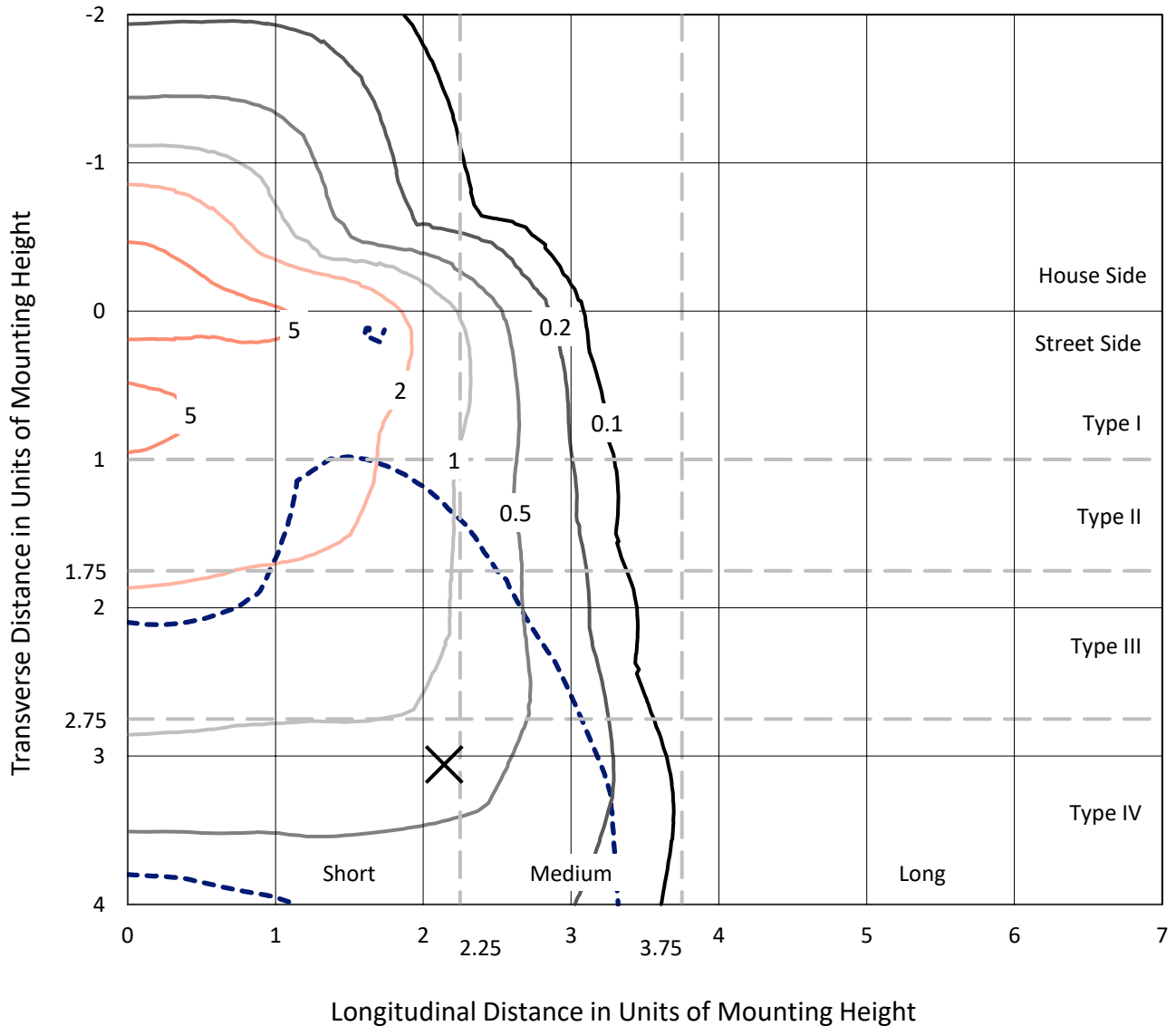
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

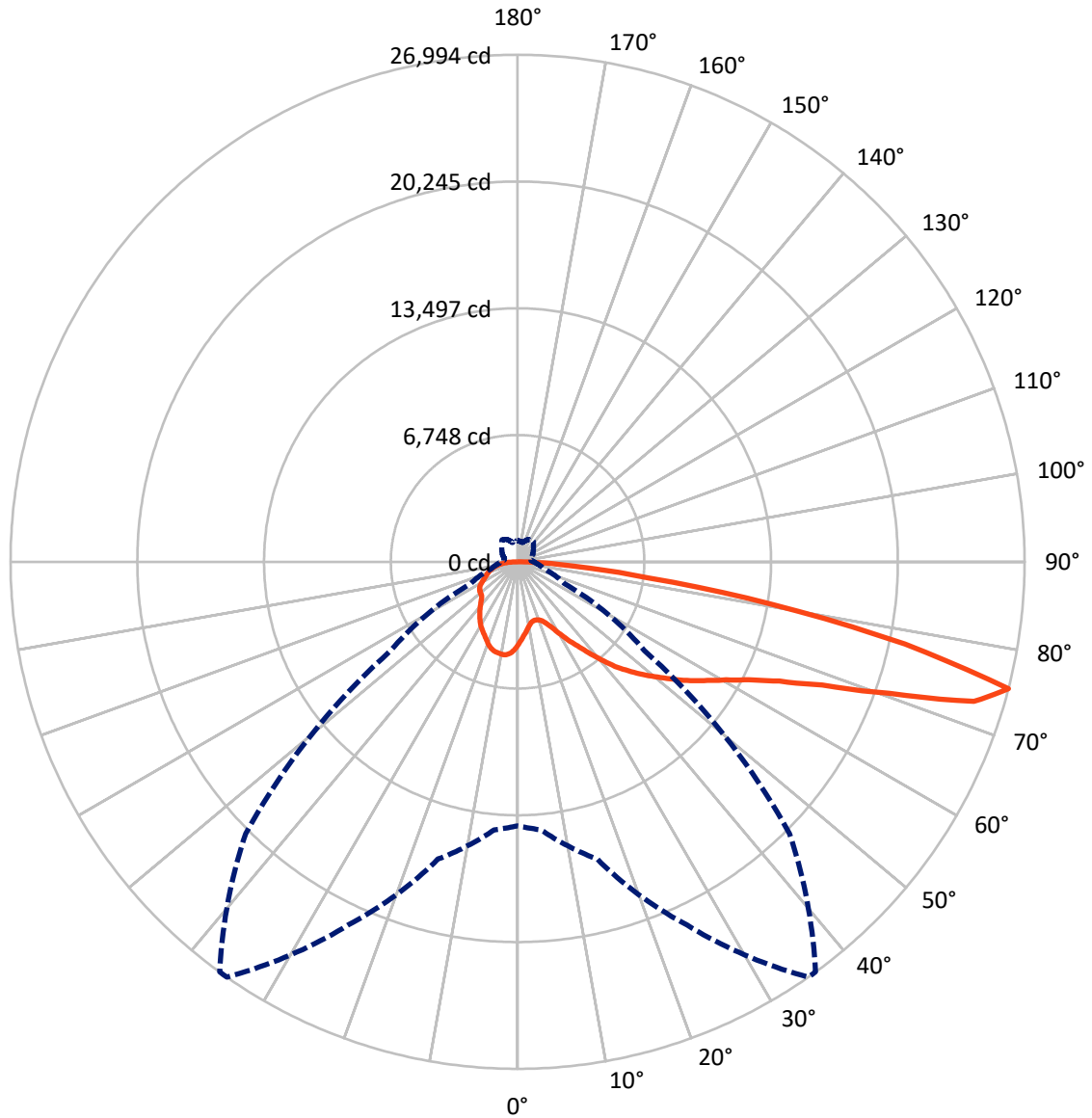
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 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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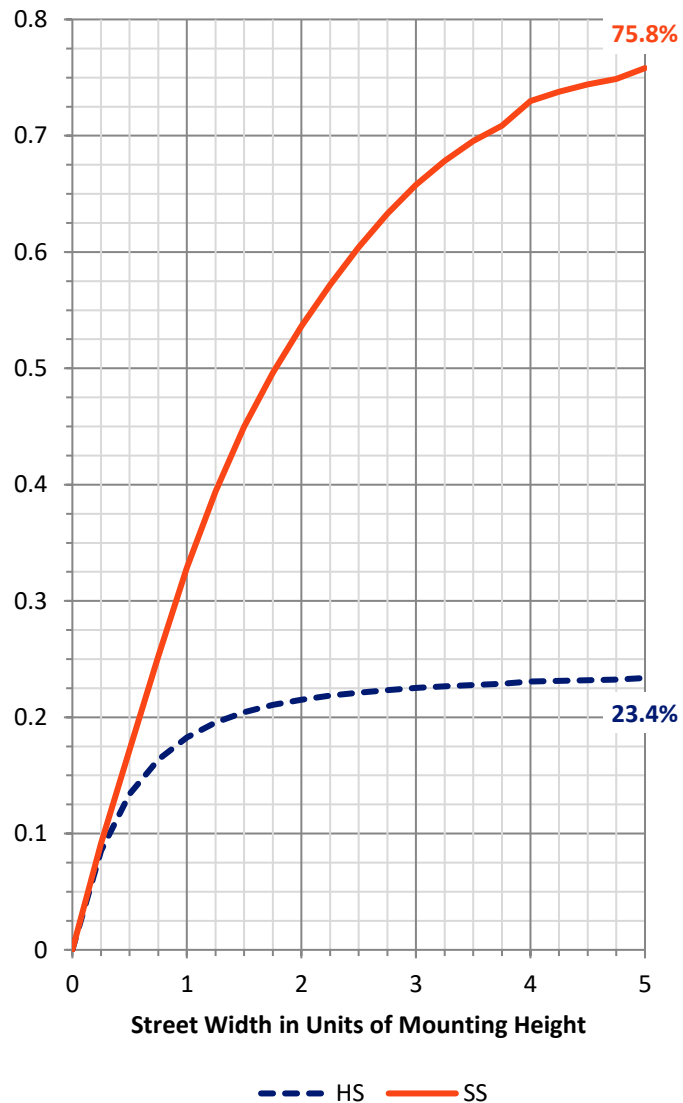
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7881.5	0.0	7881.5
	% Fixture	23.8	0.0	23.8
<b>Street Side</b>	Lumens	25237.5	0.0	25237.5
	% Fixture	76.2	0.0	76.2
<b>Total</b>	Lumens	33119.0	0.0	33119.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	417.9	1.3
10°-20°	1205.3	3.6
20°-30°	2024.0	6.1
30°-40°	3145.5	9.5
40°-50°	4668.8	14.1
50°-60°	6445.6	19.5
60°-70°	7819.9	23.6
70°-80°	6462.6	19.5
80°-90°	929.5	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°	33119.0	100.0
0°-180°	33119.0	100.0

**Coefficient of Utilization**



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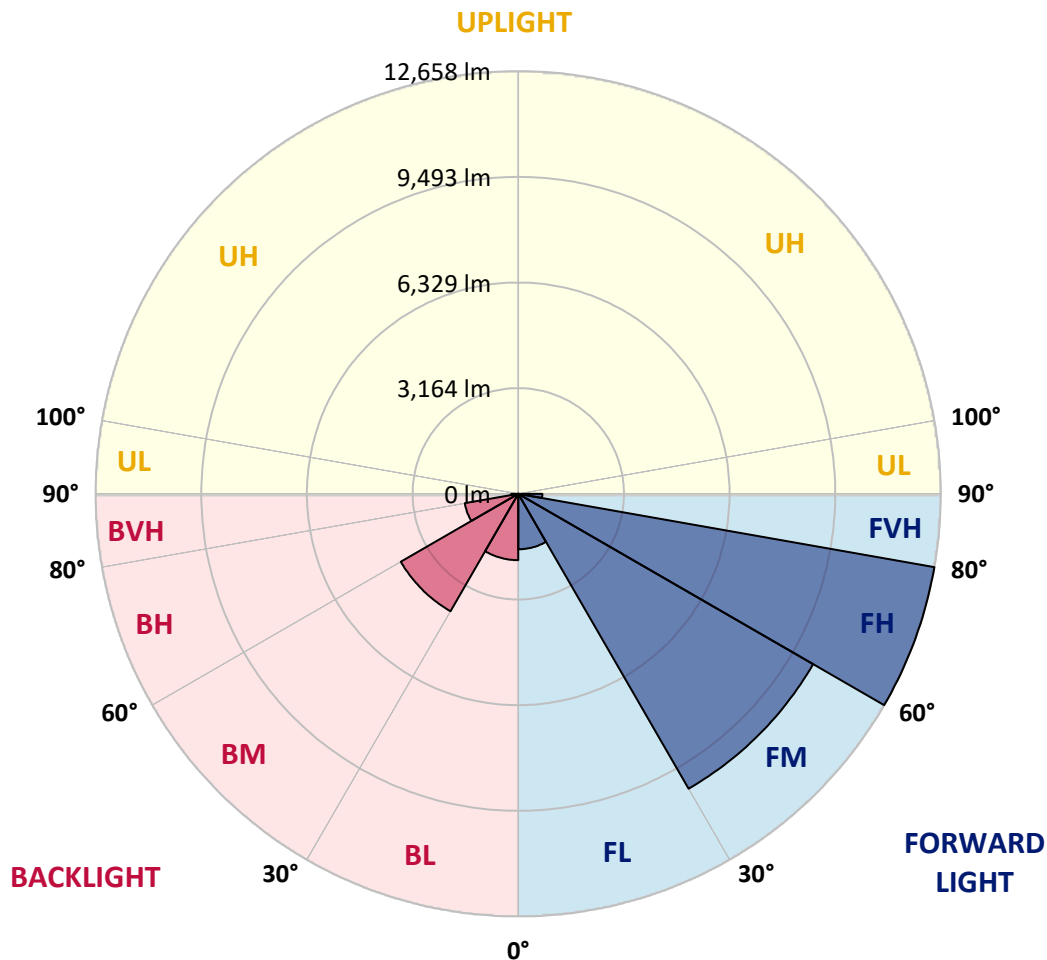
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1660.9	5.0			
FM (30°-60°)	10198.9	30.8			
FH (60°-80°)	12657.6	38.2			G5
FVH (80°-90°)	720.2	2.2			G4/750
BL (0°-30°)	1986.2	6.0	B3/2500		
BM (30°-60°)	4061.0	12.3	B3/5000		
BH (60°-80°)	1624.9	4.9	B3/2500		G3/2500
BVH (80°-90°)	209.3	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-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	4413.3	4413.3	4413.3	4413.3	4413.3	4413.3	4413.3	4413.3	4413.3	4413.3
2.5°	4069.6	4094.6	4105.4	4100.0	4126.9	4123.3	4160.9	4207.4	4271.9	4334.6
5°	3756.3	3783.1	3806.4	3827.9	3879.8	3895.9	3955.0	4044.5	4162.7	4282.6
7.5°	3464.4	3487.7	3523.5	3562.9	3650.6	3666.7	3765.2	3904.9	4069.6	4245.0
10°	3226.3	3249.6	3287.2	3331.9	3441.1	3460.8	3586.2	3772.4	3987.2	4209.2
12.5°	3124.2	3131.4	3152.9	3197.7	3292.5	3305.1	3442.9	3656.0	3906.6	4182.4
15°	3118.9	3133.2	3135.0	3158.3	3237.0	3242.4	3369.5	3580.8	3856.5	4177.0
17.5°	3172.6	3183.3	3167.2	3181.5	3247.8	3256.7	3357.0	3545.0	3840.4	4200.3
20°	3315.8	3324.8	3276.4	3256.7	3305.1	3312.2	3410.7	3568.3	3856.5	4248.6
22.5°	3620.2	3625.6	3507.4	3426.8	3430.4	3434.0	3519.9	3663.2	3919.2	4336.3
25°	4094.6	4091.1	3903.1	3747.3	3657.8	3638.1	3695.4	3817.1	4024.8	4452.7
27.5°	4649.7	4622.8	4434.8	4202.1	4006.9	3978.3	3965.7	4017.7	4175.2	4606.7
30°	5276.3	5251.2	5048.9	4744.6	4474.2	4427.7	4309.5	4282.6	4399.0	4816.2
32.5°	5963.8	5947.7	5706.0	5337.2	4975.5	4921.8	4723.1	4651.5	4742.8	5133.1
35°	6540.3	6526.0	6325.5	5945.9	5503.7	5437.4	5235.1	5154.6	5201.1	5539.5
37.5°	7061.3	7054.2	6882.3	6583.3	6126.7	6046.2	5818.8	5791.9	5783.0	6074.8
40°	7544.7	7526.8	7347.8	7190.2	6851.9	6778.4	6577.9	6554.6	6486.6	6733.7
42.5°	8080.1	8033.5	7773.9	7700.5	7609.2	7548.3	7428.4	7431.9	7281.5	7476.7
45°	8516.9	8490.1	8223.3	8180.3	8278.8	8253.7	8357.6	8384.4	8092.6	8255.5
47.5°	8986.0	8960.9	8735.4	8704.9	8971.7	8978.8	9345.9	9354.8	8884.0	9064.8
50°	9564.3	9528.5	9304.7	9342.3	9641.3	9668.1	10339.5	10278.7	9612.6	9886.6
52.5°	9945.7	9967.1	9918.8	9979.7	10387.9	10413.0	11317.1	11161.3	10334.2	10697.6
55°	10226.8	10269.7	10420.1	10559.8	11175.7	11200.7	12239.2	12001.0	10932.2	11449.6
57.5°	10588.4	10527.5	10808.6	11080.8	11924.0	11990.3	13136.1	12810.3	11462.1	12097.7
60°	11107.6	11064.7	11283.1	11685.9	12762.0	12867.6	14085.1	13539.0	11850.6	12611.6
62.5°	12160.4	12053.0	12087.0	12443.3	13818.3	13957.9	15155.7	14174.6	12044.0	12812.1
65°	13734.1	13549.7	13377.9	13624.9	15306.1	15444.0	16364.2	14674.1	11972.4	12423.6
67.5°	15716.1	15533.5	15322.2	15555.0	17497.6	17606.8	17855.6	14955.2	11408.4	10926.8
70°	17350.7	17282.7	17535.2	18493.0	20997.8	21001.4	19767.8	14722.4	9863.3	7747.1
72.5°	17134.1	17092.9	18423.2	21384.5	25409.3	25314.4	21577.9	12960.7	6644.2	3494.9
75°	14056.4	14323.2	16383.9	21332.6	26993.8	26981.3	20469.6	8239.4	2748.3	1448.4
77.5°	7537.6	7960.1	10636.8	15750.1	21073.0	21389.9	14391.2	2882.5	1179.9	927.4
80°	2458.2	2827.0	4239.7	8019.2	13693.0	13633.9	6167.9	1131.5	807.5	657.1
82.5°	1043.8	1086.8	1894.2	3786.7	7027.3	6918.1	1964.1	649.9	567.6	449.4
85°	408.2	456.6	836.1	1751.0	3043.7	2977.4	709.0	322.3	363.5	293.6
87.5°	134.3	162.9	299.0	599.8	947.1	913.1	173.7	111.0	157.6	134.3
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°
4413.3	0°	4413.3	4413.3	4413.3	4413.3	4413.3	4413.3	4413.3	4413.3	4413.3	4413.3
4425.9	2.5°	4450.9	4479.6	4513.6	4563.7	4606.7	4642.5	4680.1	4703.4	4712.3	4739.2
4433.0	5°	4483.2	4545.8	4630.0	4712.3	4792.9	4841.2	4884.2	4905.7	4925.4	4939.7
4452.7	7.5°	4536.9	4617.4	4749.9	4857.3	4925.4	4964.8	4993.4	4986.3	4993.4	4997.0
4474.2	10°	4583.4	4696.2	4853.8	4955.8	5007.7	5009.5	5002.4	4977.3	4964.8	4966.6
4506.4	12.5°	4638.9	4764.2	4934.3	5020.3	5034.6	4995.2	4964.8	4921.8	4905.7	4898.5
4554.8	15°	4714.1	4857.3	5022.1	5054.3	5018.5	4968.4	4916.4	4846.6	4810.8	4782.2
4637.1	17.5°	4805.4	4963.0	5090.1	5066.8	4989.8	4907.5	4823.3	4717.7	4644.3	4613.9
4749.9	20°	4932.5	5074.0	5142.0	5040.0	4923.6	4798.3	4655.0	4526.1	4458.1	4427.7
4893.2	22.5°	5086.5	5222.6	5192.2	4993.4	4828.7	4628.2	4449.1	4354.2	4320.2	4298.7
5077.6	25°	5270.9	5387.3	5228.0	4925.4	4672.9	4402.6	4264.7	4234.3	4218.2	4202.1
5303.2	27.5°	5510.8	5573.5	5254.8	4825.1	4429.4	4162.7	4112.5	4117.9	4112.5	4085.7
5616.5	30°	5827.7	5815.2	5279.9	4662.2	4150.1	3946.0	3949.6	3972.9	3976.5	3958.6
6053.3	32.5°	6244.9	6117.8	5292.4	4450.9	3883.4	3756.3	3759.8	3784.9	3802.8	3772.4
6624.5	35°	6749.8	6470.5	5272.7	4186.0	3677.5	3575.4	3548.6	3555.7	3561.1	3532.5
7317.4	37.5°	7338.8	6866.2	5185.0	3892.3	3507.4	3398.2	3340.9	3292.5	3263.9	3237.0
8101.6	40°	7985.2	7297.7	5023.9	3605.9	3317.6	3210.2	3124.2	3032.9	2936.3	2900.4
8932.3	42.5°	8661.9	7741.7	4828.7	3331.9	3099.2	3011.4	2920.1	2787.6	2642.6	2569.2
9795.3	45°	9363.8	8196.4	4637.1	3061.6	2875.4	2837.8	2732.1	2572.8	2415.2	2322.1
10660.0	47.5°	10051.3	8626.1	4356.0	2789.4	2665.9	2707.1	2624.7	2477.9	2302.5	2155.6
11517.6	50°	10708.4	9029.0	3895.9	2513.7	2495.8	2667.7	2588.9	2377.6	2177.1	1989.1
12359.1	52.5°	11360.1	9354.8	3306.9	2263.1	2404.5	2657.0	2542.4	2309.6	2064.3	1867.4
13150.5	55°	11913.3	9523.1	2739.3	2048.2	2272.0	2565.6	2486.9	2229.0	1905.0	1695.5
13693.0	57.5°	12228.4	9387.1	2266.6	1836.9	2089.4	2415.2	2392.0	2057.2	1715.2	1554.1
13798.6	60°	12092.3	8835.6	1879.9	1652.5	1915.7	2252.3	2227.3	1887.1	1570.2	1418.0
13232.8	62.5°	11342.2	7784.7	1573.8	1491.4	1758.2	2085.8	2062.5	1756.4	1459.2	1312.4
11730.7	65°	9831.1	6332.6	1335.6	1357.1	1598.8	1885.3	1919.3	1647.2	1371.4	1228.2
9075.5	67.5°	7498.2	4587.0	1149.4	1240.7	1443.1	1688.3	1786.8	1568.4	1298.0	1162.0
5251.2	70°	4273.7	2605.0	991.9	1128.0	1305.2	1505.7	1684.8	1505.7	1219.3	1106.5
1967.6	72.5°	1620.3	1196.0	857.6	1015.2	1172.7	1351.8	1572.0	1407.3	1128.0	1043.8
1016.9	75°	864.8	728.7	721.5	882.7	1020.5	1201.4	1430.5	1310.6	1059.9	1102.9
703.6	77.5°	589.0	515.6	603.4	755.5	854.0	1034.8	1280.1	1163.8	918.5	914.9
487.0	80°	408.2	365.2	490.6	608.7	660.7	870.1	1117.2	999.0	748.4	698.3
300.8	82.5°	245.3	238.1	367.0	454.8	467.3	671.4	925.6	837.9	612.3	533.5
179.0	85°	134.3	141.4	234.5	266.8	272.1	469.1	725.1	648.1	470.9	395.7
64.5	87.5°	37.6	48.3	85.9	105.6	130.7	243.5	431.5	384.9	236.3	164.7
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>
4413.3
4737.4
4943.3
5002.4
4970.1
4894.9
4791.1
4615.6
4424.1
4302.3
4202.1
4091.1
3967.5
3786.7
3552.1
3254.9
2916.6
2578.2
2315.0
2139.5
1973.0
1845.9
1677.6
1532.6
1396.5
1289.1
1204.9
1140.5
1092.1
1029.5
1138.7
843.3
667.8
537.1
399.3
164.7
0.0

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