

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: P850133

Luminaire Tested: **GLAN-SB7C-730-U-SL4**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850133  
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-SB7C-730-U-SL4  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

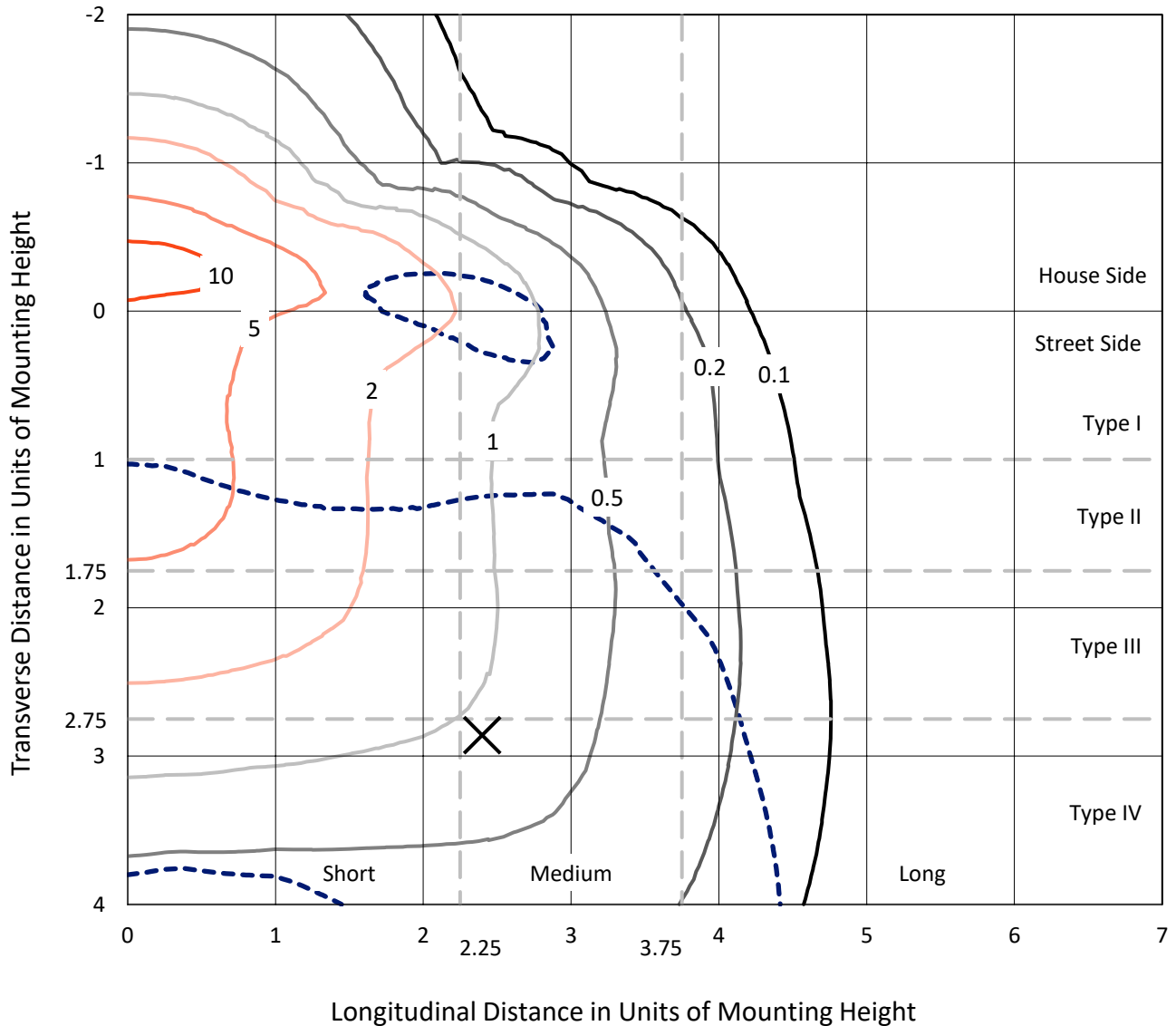
Lumens per Lamp: N/A  
Luminaire Lumens: 50998 lumens  
Efficiency: N/A  
Efficacy: 145.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): 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

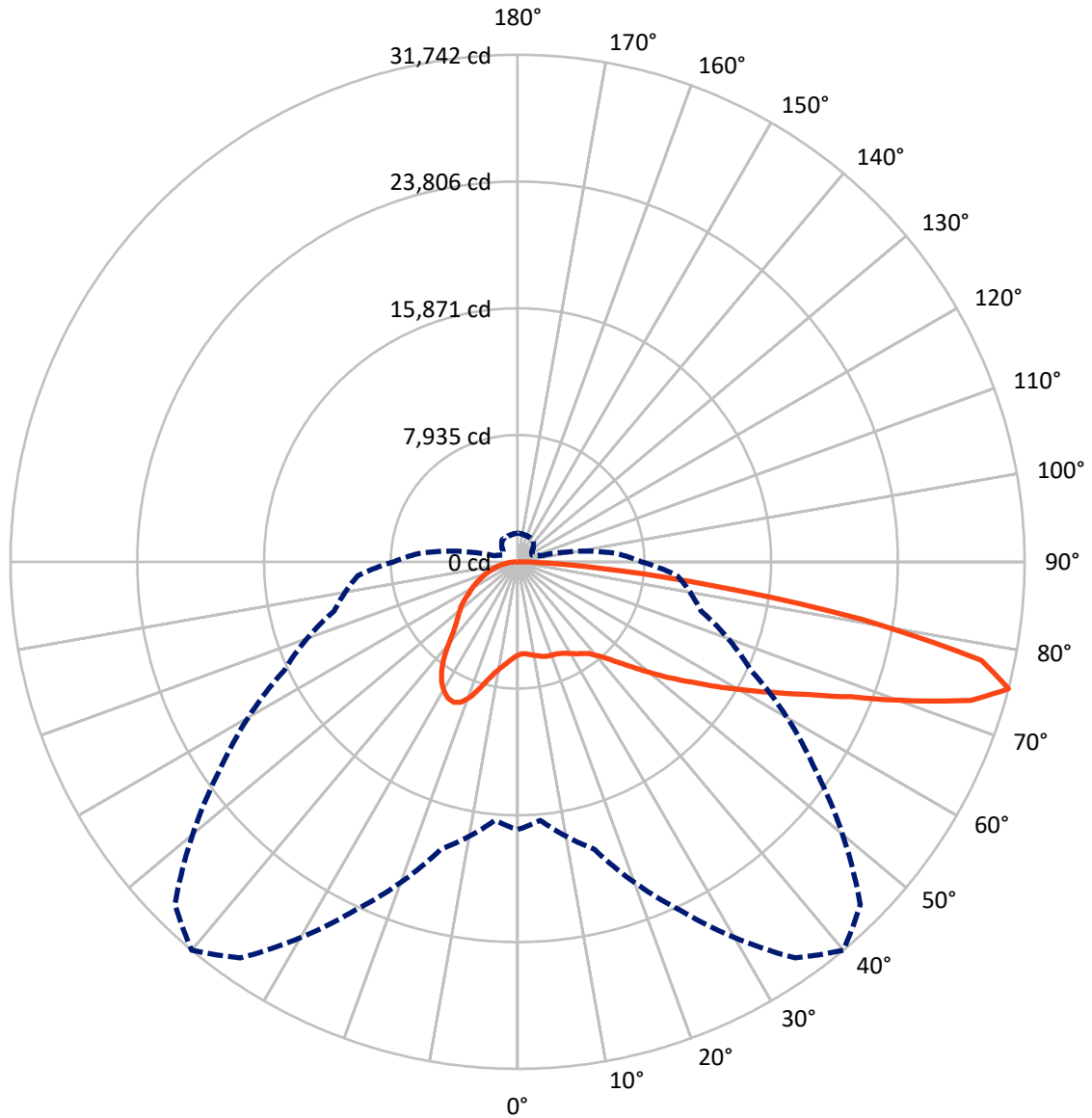
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 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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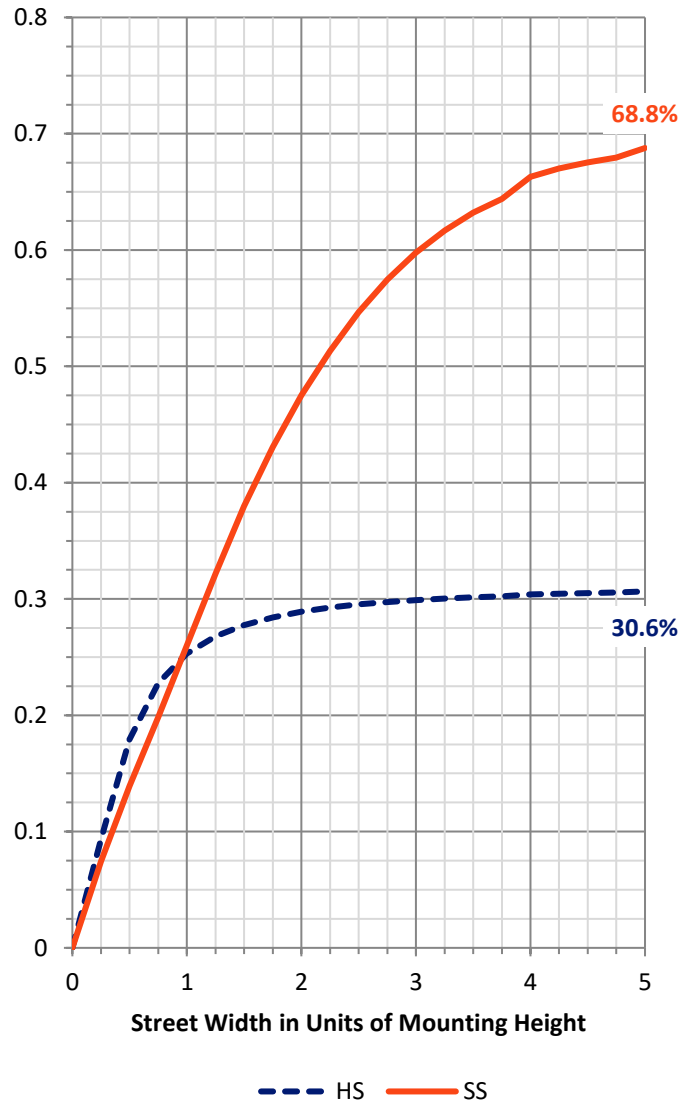
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15800.9	0.0	15800.9
	% Fixture	31.0	0.0	31.0
<b>Street Side</b>	Lumens	35197.1	0.0	35197.1
	% Fixture	69.0	0.0	69.0
<b>Total</b>	Lumens	50998.0	0.0	50998.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	582.1	1.1
10°-20°	1954.4	3.8
20°-30°	3568.6	7.0
30°-40°	5061.3	9.9
40°-50°	6834.2	13.4
50°-60°	9193.9	18.0
60°-70°	11669.2	22.9
70°-80°	10590.5	20.8
80°-90°	1543.8	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°	50998.0	100.0
0°-180°	50998.0	100.0

**Coefficient of Utilization**

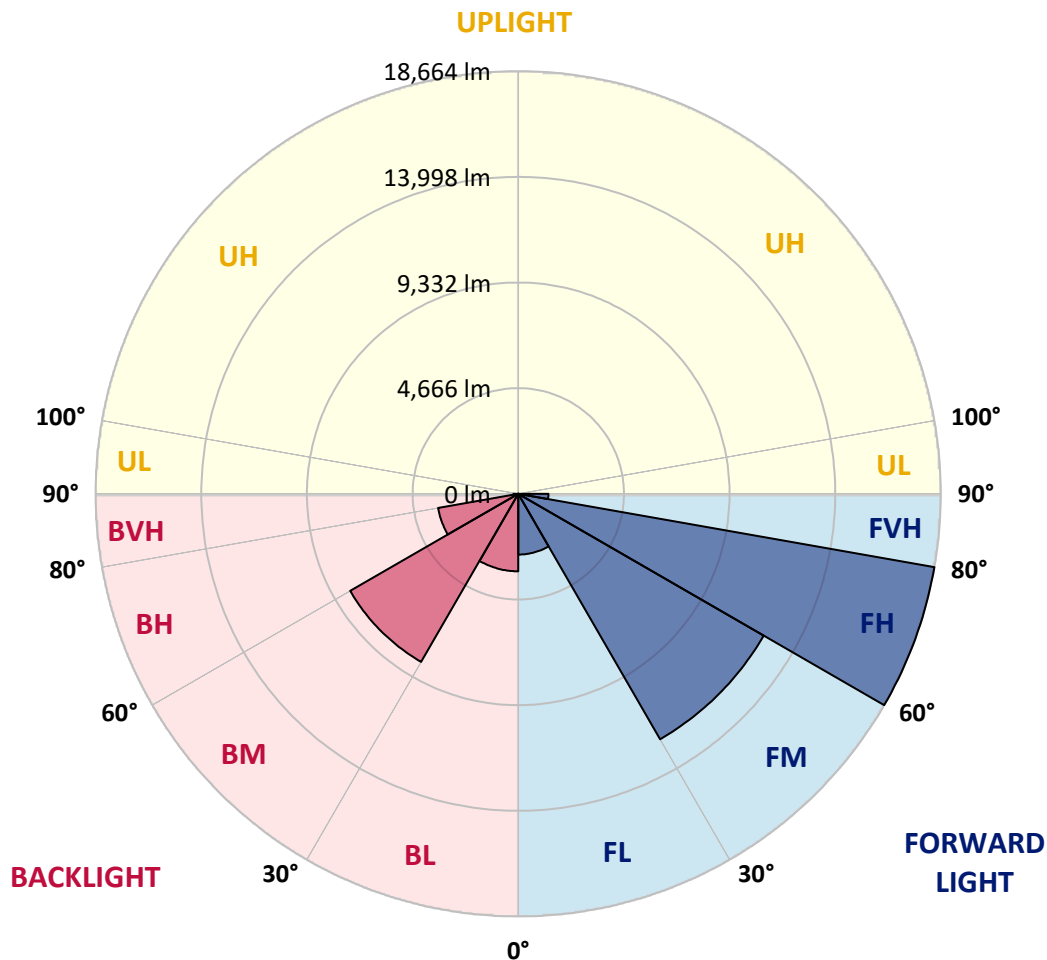


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2682.5	5.3			
FM (30°-60°)	12518.9	24.5			
FH (60°-80°)	18664.5	36.6			G5
FVH (80°-90°)	1331.2	2.6			G5
BL (0°-30°)	3422.6	6.7	B4/5000		
BM (30°-60°)	8570.6	16.8	B5		
BH (60°-80°)	3595.2	7.0	B4/5000		G4/5000
BVH (80°-90°)	212.5	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	5831.7	5831.7	5831.7	5831.7	5831.7	5831.7	5831.7	5831.7	5831.7	5831.7
2.5°	5742.4	5774.9	5766.8	5756.0	5756.0	5758.7	5756.0	5774.9	5793.8	5812.8
5°	5801.9	5834.4	5818.2	5804.6	5793.8	5791.1	5783.0	5780.3	5791.1	5815.5
7.5°	5918.2	5950.7	5926.4	5902.0	5880.4	5869.6	5858.7	5842.5	5834.4	5847.9
10°	6048.1	6080.5	6050.8	6007.5	5972.3	5958.8	5948.0	5931.8	5920.9	5929.1
12.5°	6177.9	6210.4	6169.8	6110.3	6064.3	6056.2	6042.7	6037.3	6034.6	6031.8
15°	6299.6	6326.7	6275.3	6205.0	6156.3	6142.7	6129.2	6137.3	6150.9	6167.1
17.5°	6394.3	6421.3	6345.6	6253.6	6207.7	6202.3	6194.1	6221.2	6259.1	6299.6
20°	6480.9	6507.9	6410.5	6286.1	6232.0	6232.0	6234.7	6291.5	6345.6	6405.1
22.5°	6602.6	6624.2	6505.2	6334.8	6256.4	6261.8	6283.4	6340.2	6407.8	6489.0
25°	6783.8	6800.0	6654.0	6426.8	6337.5	6353.7	6372.7	6399.7	6464.6	6559.3
27.5°	7075.9	7089.5	6897.4	6589.1	6453.8	6480.9	6507.9	6489.0	6518.7	6599.9
30°	7487.1	7495.2	7251.7	6843.3	6651.3	6664.8	6670.2	6591.8	6535.0	6599.9
32.5°	7973.9	7971.2	7681.8	7151.7	6875.8	6862.2	6816.3	6662.1	6529.5	6586.3
35°	8728.6	8698.8	8325.6	7584.4	7130.0	7046.2	6938.0	6740.5	6556.6	6572.8
37.5°	9978.2	9886.3	9369.7	8293.1	7508.7	7295.0	7135.4	6867.7	6616.1	6567.4
40°	11387.5	11271.2	10703.2	9264.2	8076.7	7733.2	7476.2	7048.9	6713.5	6591.8
42.5°	13059.1	12894.1	12282.8	10408.3	8796.2	8298.5	7911.7	7278.8	6856.8	6670.2
45°	15112.1	14893.0	14027.4	11698.5	9702.4	9039.7	8523.0	7627.7	7075.9	6821.7
47.5°	17186.7	17240.8	16010.1	13175.4	10789.7	9953.9	9288.5	8152.5	7395.1	7065.1
50°	19391.2	19429.0	17981.9	14811.8	12023.1	10987.2	10148.7	8739.4	7838.7	7411.3
52.5°	21111.5	21116.9	19772.6	16524.0	13307.9	12123.2	11076.4	9410.2	8352.6	7871.2
55°	22188.0	22174.5	21027.6	18144.2	14784.8	13316.1	12104.3	10173.0	8980.2	8412.1
57.5°	22969.7	22929.1	21893.2	19537.2	16359.0	14725.3	13267.4	11038.6	9721.3	9055.9
60°	23267.2	23242.9	22480.1	20740.9	18014.4	16283.3	14609.0	12006.9	10562.5	9816.0
62.5°	23380.9	23426.8	23056.3	21906.7	19786.1	18009.0	16083.1	13164.6	11509.2	10676.1
65°	23781.2	23865.0	23789.3	23432.2	21787.7	20029.5	18038.7	14541.4	12542.5	11598.5
67.5°	24573.7	24657.6	24690.0	25258.0	24232.9	22547.8	20478.5	16256.2	13751.5	12556.0
70°	24554.8	24530.4	25103.9	26710.5	27294.8	26034.3	23767.7	18366.0	15193.2	13351.2
72.5°	22350.3	22155.6	23510.7	26694.3	29842.8	29675.1	27784.4	21087.1	16437.5	13448.6
75°	16767.5	16248.1	18641.9	24057.1	30267.4	31741.6	30337.8	22775.0	16142.6	11882.5
77.5°	7170.6	6648.6	9469.7	17808.8	27089.2	29672.4	27995.4	19869.9	12886.0	7857.6
80°	1877.2	1874.5	2861.7	8074.0	18422.8	21912.1	19223.5	12831.9	7362.6	2807.7
82.5°	776.3	757.4	1052.2	3140.3	9001.8	12296.3	10035.0	5723.5	2658.9	760.1
85°	289.4	286.7	511.2	1084.7	3175.5	5071.6	3670.5	1463.3	662.7	370.6
87.5°	81.1	78.4	110.9	376.0	773.6	1173.9	627.5	240.7	186.6	146.1
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°
5831.7	0°	5831.7	5831.7	5831.7	5831.7	5831.7	5831.7	5831.7	5831.7	5831.7	5831.7
5842.5	2.5°	5850.6	5864.1	5888.5	5907.4	5931.8	5958.8	5996.7	6021.0	6045.4	6061.6
5856.0	5°	5875.0	5904.7	5966.9	6029.1	6102.2	6169.8	6248.2	6305.0	6351.0	6364.5
5904.7	7.5°	5929.1	5977.8	6083.2	6188.7	6305.0	6415.9	6529.5	6626.9	6705.4	6735.1
5991.3	10°	6023.7	6088.7	6237.4	6386.2	6540.4	6710.8	6856.8	6997.5	7108.4	7154.4
6094.1	12.5°	6142.7	6223.9	6418.6	6624.2	6837.9	7073.2	7262.6	7435.7	7573.6	7635.8
6237.4	15°	6296.9	6402.4	6651.3	6927.2	7240.9	7568.2	7808.9	8001.0	8155.2	8230.9
6386.2	17.5°	6464.6	6605.3	6919.0	7335.6	7784.6	8214.7	8496.0	8636.6	8796.2	8869.3
6524.1	20°	6626.9	6800.0	7249.0	7854.9	8452.7	8909.8	9137.0	9174.9	9185.7	9193.8
6654.0	22.5°	6794.6	7027.2	7662.9	8509.5	9150.6	9467.0	9499.5	9337.2	9110.0	9004.5
6781.1	25°	6978.6	7286.9	8203.9	9231.7	9751.0	9788.9	9540.1	9145.1	8715.1	8517.6
6883.9	27.5°	7157.1	7587.1	8853.0	9921.4	10183.8	9851.1	9315.6	8755.6	8236.3	8028.0
6956.9	30°	7335.6	7930.7	9569.8	10524.6	10381.3	9696.9	8961.2	8336.4	7814.4	7595.3
7021.8	32.5°	7516.8	8331.0	10394.8	10960.1	10346.1	9369.7	8520.3	7865.7	7405.9	7176.0
7078.6	35°	7722.4	8823.3	11176.5	11198.1	10110.8	8888.2	7938.8	7303.1	6902.8	6718.9
7146.3	37.5°	7990.2	9448.1	11866.2	11257.6	9699.6	8182.2	7216.6	6637.7	6307.7	6223.9
7246.3	40°	8322.9	10200.0	12393.7	11163.0	9091.1	7324.8	6426.8	5964.2	5777.6	5796.5
7381.6	42.5°	8755.6	11041.3	12764.3	10919.5	8244.4	6440.3	5734.3	5528.7	5618.0	5693.7
7584.4	45°	9318.3	11914.9	12994.2	10505.7	7286.9	5691.0	5325.9	5374.6	5442.2	5450.3
7911.7	47.5°	10037.8	12799.4	13145.6	9880.9	6310.5	5163.6	5066.2	5077.0	5063.5	5006.7
8401.3	50°	10935.8	13659.6	13280.9	9053.2	5480.1	4833.6	4703.8	4665.9	4479.3	4295.3
9053.2	52.5°	11958.2	14449.4	13337.7	8025.3	4833.6	4557.7	4346.7	4108.7	3759.8	3703.0
9872.8	55°	13094.3	15179.7	13191.6	6762.2	4289.9	4203.4	3884.2	3597.5	3559.6	3510.9
10952.0	57.5°	14452.1	15966.8	12894.1	5352.9	3732.7	3789.5	3478.5	3510.9	3443.3	3367.6
12339.6	60°	15937.1	16781.0	12372.1	4068.1	3156.6	3272.9	3373.0	3370.3	3351.3	3289.1
13802.9	62.5°	17273.3	17316.5	11344.2	3116.0	2650.8	2872.6	3145.8	3143.1	3126.8	3091.7
15331.2	65°	18068.5	17235.4	9629.3	2453.3	2234.2	2542.6	2837.4	2859.0	2861.7	2859.0
16480.7	67.5°	17927.8	16286.0	7276.1	1952.9	1890.7	2207.2	2531.8	2561.5	2583.1	2588.6
16626.8	70°	16337.4	14200.5	4744.3	1558.0	1585.1	1912.3	2242.3	2272.1	2291.0	2312.7
14427.8	72.5°	12734.5	10440.8	2715.7	1260.5	1317.3	1658.1	1955.6	1990.8	2001.6	2042.2
10040.5	75°	7760.3	6140.0	1466.0	992.7	1081.9	1417.3	1671.6	1712.2	1731.1	1779.8
4931.0	77.5°	3689.4	2658.9	835.8	773.6	871.0	1157.7	1411.9	1457.9	1406.5	1433.6
1360.5	80°	1246.9	987.3	527.4	589.7	665.4	903.4	1130.6	1176.6	1068.4	1063.0
451.7	82.5°	435.5	400.3	335.4	392.2	430.1	646.5	854.7	914.2	795.2	792.5
202.9	85°	170.4	162.3	186.6	213.7	257.0	397.6	562.6	592.4	489.6	394.9
59.5	87.5°	35.2	37.9	46.0	48.7	78.4	137.9	202.9	248.8	197.5	167.7
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>
5831.7
6050.8
6370.0
6737.8
7157.1
7635.8
8225.5
8866.5
9215.5
9034.2
8547.4
8052.4
7619.6
7205.8
6759.5
6283.4
5861.4
5764.1
5504.4
5050.0
4319.7
3721.9
3519.0
3354.0
3267.5
3078.1
2859.0
2594.0
2323.5
2058.4
1785.2
1411.9
1052.2
754.7
389.5
154.2
0.0

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