

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: P849608

Luminaire Tested: **GLAN-SB6D-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB6D-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 48287 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

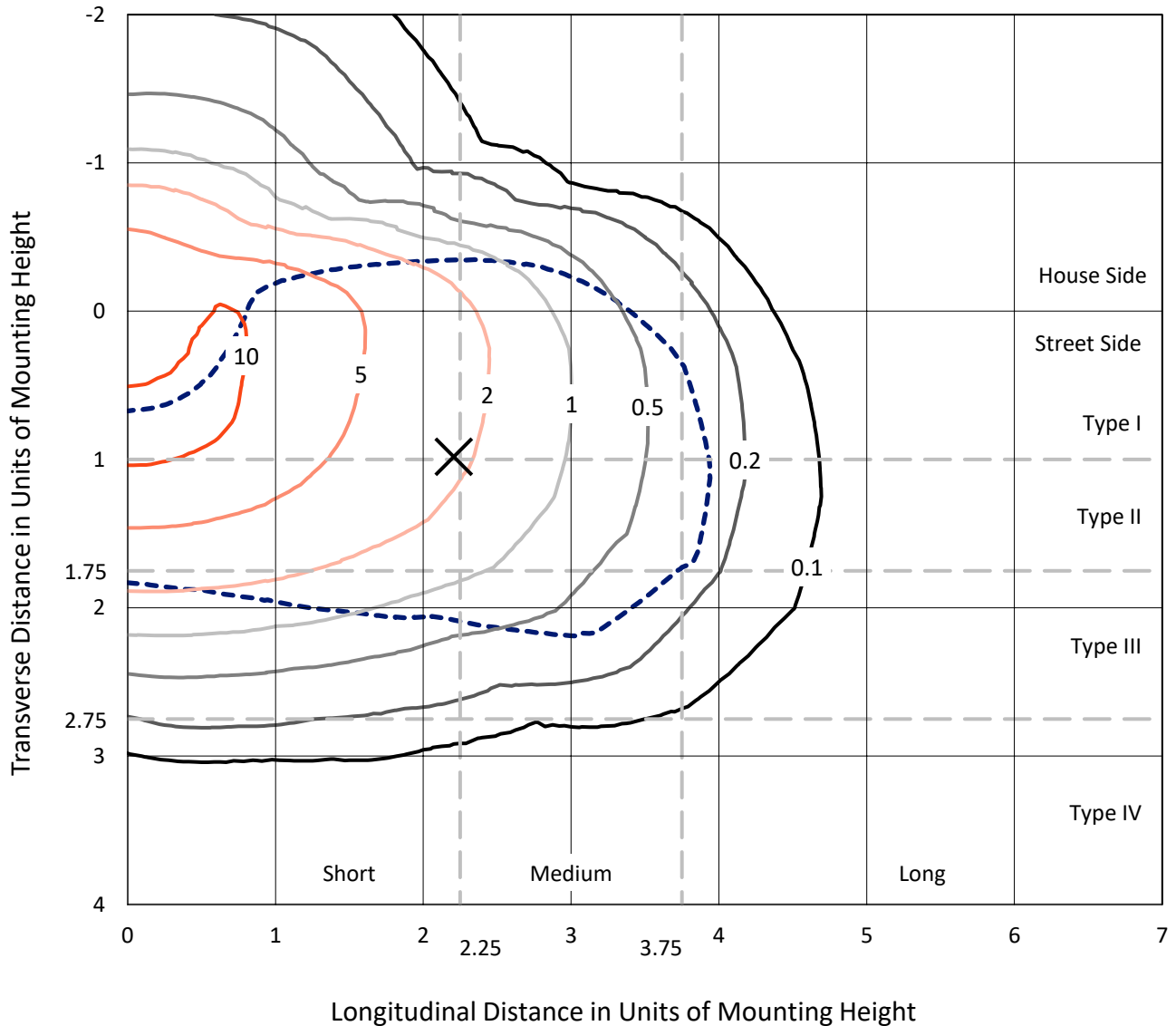
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

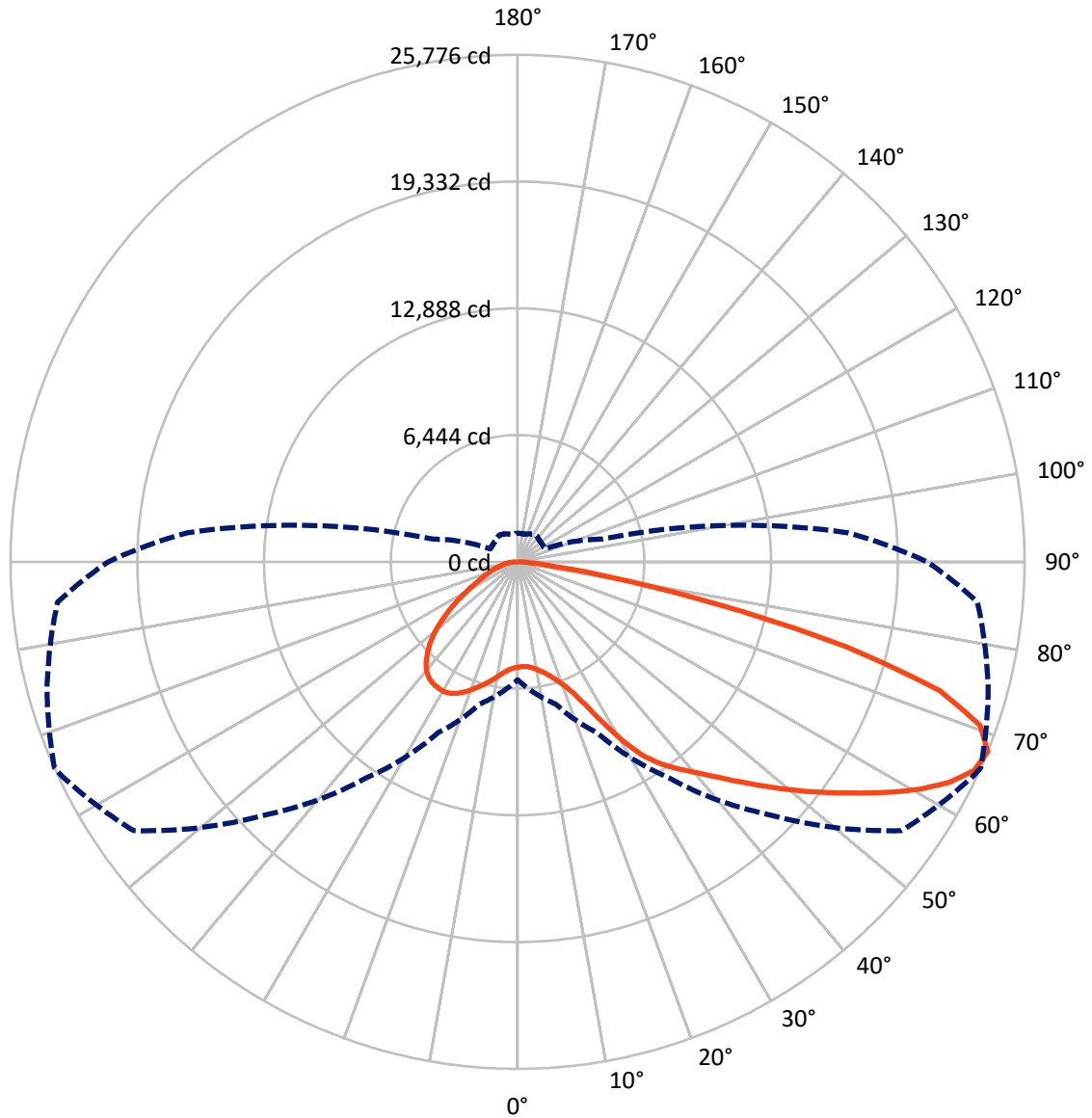
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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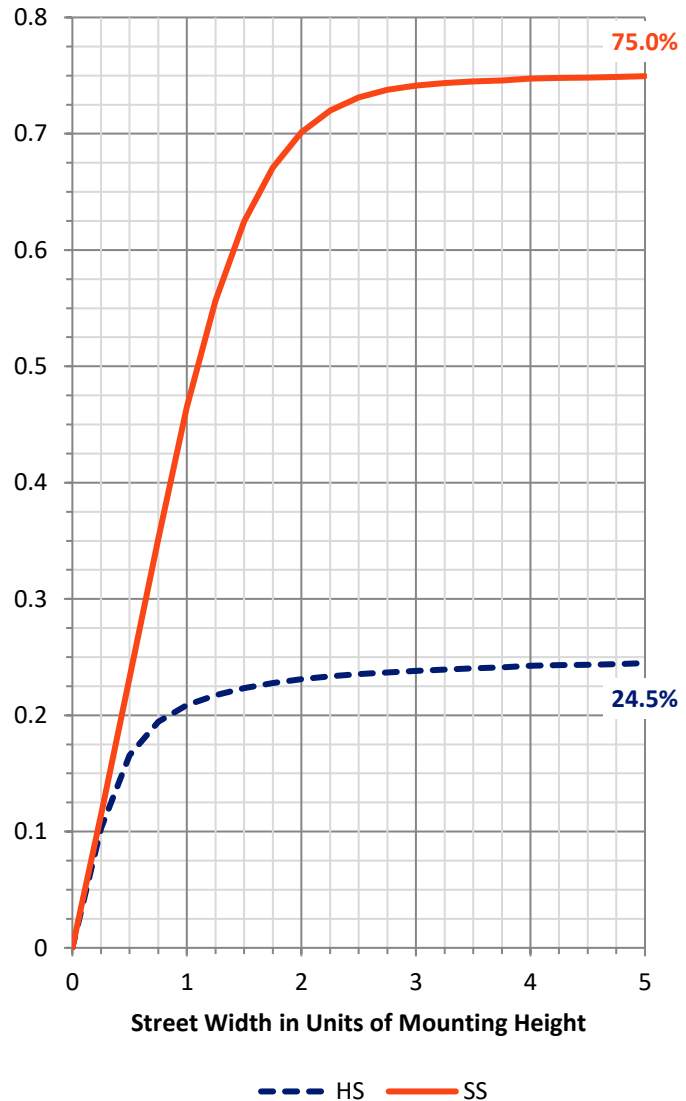
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12006.4	0.0	12006.4
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	36280.6	0.0	36280.6
	% Fixture	75.1	0.0	75.1
Total	Lumens	48287.0	0.0	48287.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	531.0	1.1
10°-20°	1754.3	3.6
20°-30°	3381.4	7.0
30°-40°	5928.8	12.3
40°-50°	8814.2	18.3
50°-60°	11172.8	23.1
60°-70°	10932.3	22.6
70°-80°	5214.8	10.8
80°-90°	557.3	1.2
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°	48287.0	100.0
0°-180°	48287.0	100.0

Coefficient of Utilization



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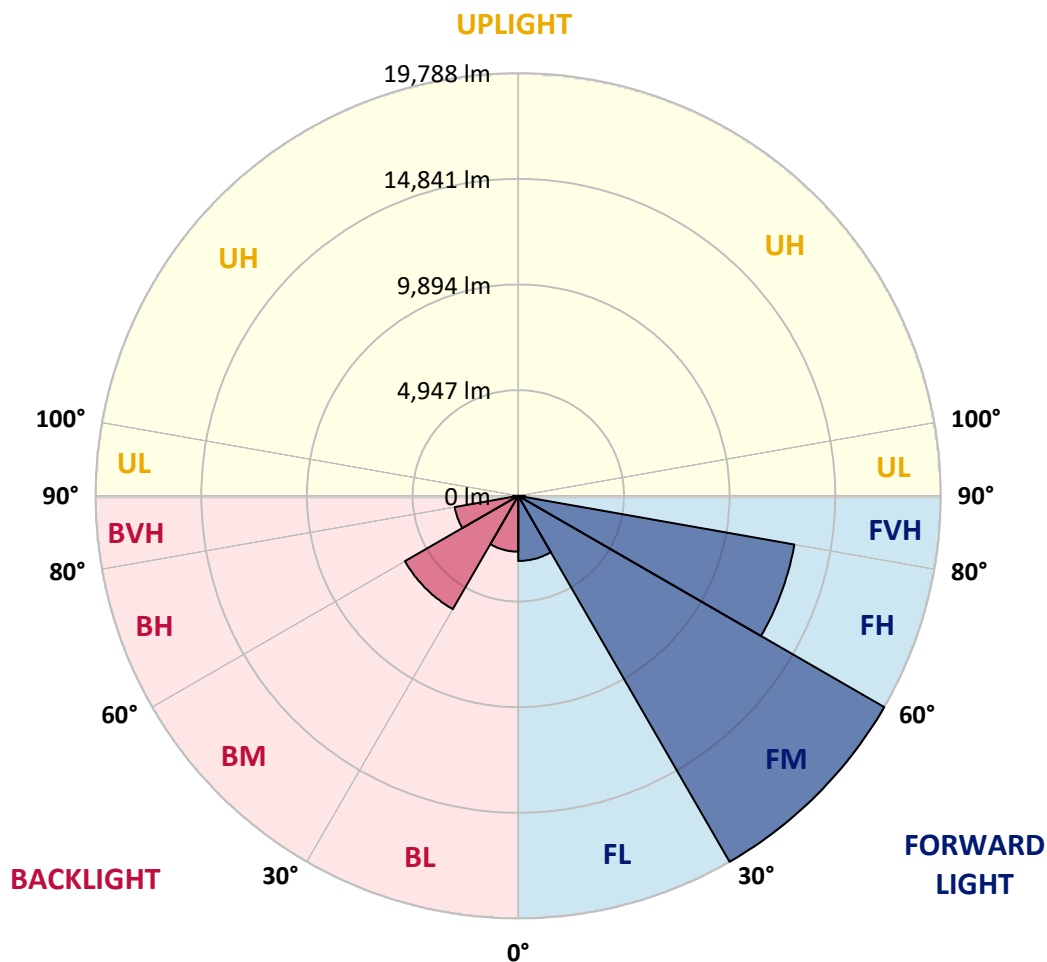
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3051.3	6.3			
FM (30°-60°)	19787.6	41.0			
FH (60°-80°)	13125.7	27.2			G5
FVH (80°-90°)	316.0	0.7			G3/500
BL (0°-30°)	2615.4	5.4	B4/5000		
BM (30°-60°)	6128.2	12.7	B4/8500		
BH (60°-80°)	3021.4	6.3	B4/5000		G4/5000
BVH (80°-90°)	241.3	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	5355.7	5355.7	5355.7	5355.7	5355.7	5355.7	5355.7	5355.7	5355.7	5355.7
2.5°	5299.9	5330.3	5322.7	5310.0	5307.5	5312.5	5320.1	5327.8	5325.2	5337.9
5°	5284.6	5315.1	5312.5	5312.5	5322.7	5343.0	5355.7	5368.4	5355.7	5370.9
7.5°	5294.8	5317.6	5327.8	5337.9	5363.3	5401.3	5431.8	5459.7	5444.5	5462.2
10°	5424.2	5441.9	5452.1	5452.1	5469.8	5513.0	5543.4	5594.1	5581.5	5609.4
12.5°	5660.1	5677.9	5677.9	5667.7	5680.4	5708.3	5718.5	5774.3	5751.4	5797.1
15°	5949.3	5984.8	5956.9	5939.2	5944.3	5972.2	5969.6	6012.8	5989.9	6028.0
17.5°	6269.0	6314.7	6269.0	6266.5	6256.3	6286.8	6289.3	6327.3	6286.8	6314.7
20°	6647.0	6710.4	6672.4	6685.1	6662.2	6674.9	6687.6	6743.4	6680.0	6700.3
22.5°	7179.8	7255.9	7215.3	7263.5	7248.3	7238.1	7235.6	7334.5	7235.6	7243.2
25°	7956.1	8047.5	7976.4	8042.4	8042.4	8075.4	8113.4	8240.3	8075.4	8027.2
27.5°	9102.9	9194.2	9054.7	9095.2	9082.6	9163.7	9123.2	9437.7	9260.2	9181.5
30°	10483.0	10645.4	10381.5	10371.4	10358.7	10488.1	10546.4	10754.5	10574.3	10495.7
32.5°	11974.8	12144.8	11830.2	11738.8	11690.6	11769.3	11721.1	11888.5	11764.2	11642.4
35°	13552.8	13720.2	13420.9	13243.3	13050.5	12885.6	12713.0	12756.2	12639.5	12454.3
37.5°	15044.6	15351.6	15034.4	14844.2	14489.0	14166.8	13684.7	13484.3	13375.2	13205.2
40°	16564.3	16739.3	16498.3	16335.9	15950.3	15445.4	14674.2	14250.5	14103.3	13938.4
42.5°	17683.1	17850.5	17721.1	17609.5	17307.6	16721.6	15724.5	15194.3	14981.2	14795.9
45°	18571.0	18695.4	18614.2	18654.8	18525.4	17957.1	16812.9	16206.5	15985.8	15760.0
47.5°	18928.8	19060.7	19190.1	19431.1	19651.8	19233.2	17982.5	17302.5	17069.1	16838.3
50°	18888.2	19022.6	19398.1	19910.6	20595.6	20456.1	19215.5	18469.6	18253.9	17990.1
52.5°	18563.4	18715.7	19197.7	20050.1	21141.1	21371.9	20471.3	19674.7	19471.7	19157.1
55°	17711.0	17802.3	18525.4	19733.0	21270.4	22011.3	21701.7	20958.4	20755.4	20316.5
57.5°	16130.4	16262.4	17315.2	18878.0	20945.7	22445.1	22782.5	22308.1	22112.7	21481.0
60°	14067.8	14278.4	15483.5	17442.1	20118.6	22442.6	23764.3	23635.0	23472.6	22627.8
62.5°	11733.8	11977.3	13136.7	15412.4	18672.5	21805.8	24378.3	24746.2	24662.5	23685.7
65°	9011.5	9179.0	10333.3	12786.6	16422.2	20438.3	24449.3	25504.7	25520.0	24489.9
67.5°	6000.1	6482.1	7484.2	9595.0	13408.2	18203.2	23825.2	25629.1	25776.2	24766.5
70°	2927.7	3562.0	4543.8	6236.0	9595.0	14775.7	22193.9	24609.2	24936.4	23959.7
72.5°	1215.2	1420.7	1956.0	3077.4	5507.9	9970.5	18916.1	21843.8	22450.2	21229.9
75°	819.5	888.0	1118.8	1578.0	2509.1	4916.8	13641.6	16287.7	17264.5	16034.0
77.5°	631.7	674.8	814.4	1103.6	1491.8	1859.6	7301.6	9815.8	10320.6	9554.4
80°	497.3	530.2	608.9	804.2	1057.9	994.5	2488.8	4447.4	4739.2	3975.5
82.5°	431.3	444.0	436.4	545.5	702.8	581.0	816.9	1641.5	1811.4	1314.2
85°	312.1	347.6	362.8	337.4	372.9	294.3	334.9	581.0	639.3	570.8
87.5°	126.9	187.7	230.9	218.2	137.0	83.7	104.0	170.0	195.4	213.1
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°
5355.7	0°	5355.7	5355.7	5355.7	5355.7	5355.7	5355.7	5355.7	5355.7	5355.7	5355.7
5358.2	2.5°	5360.7	5378.5	5391.2	5406.4	5416.6	5431.8	5462.2	5480.0	5482.5	5495.2
5398.8	5°	5408.9	5434.3	5462.2	5502.8	5548.5	5586.5	5644.9	5685.5	5700.7	5713.4
5497.7	7.5°	5513.0	5548.5	5599.2	5670.3	5736.2	5787.0	5858.0	5906.2	5954.4	5972.2
5655.0	10°	5667.7	5718.5	5792.0	5888.4	5959.5	6025.4	6099.0	6139.6	6187.8	6208.1
5842.8	12.5°	5860.5	5913.8	6010.2	6144.7	6210.6	6256.3	6281.7	6271.5	6281.7	6299.4
6068.6	15°	6081.3	6139.6	6248.7	6393.3	6439.0	6398.4	6342.6	6291.8	6284.2	6289.3
6342.6	17.5°	6342.6	6385.7	6512.6	6634.3	6601.3	6433.9	6312.1	6230.9	6190.3	6177.7
6692.7	20°	6707.9	6707.9	6811.9	6888.0	6667.3	6383.2	6192.9	6061.0	5977.2	5941.7
7169.6	22.5°	7151.9	7111.3	7177.3	7124.0	6654.6	6241.1	5977.2	5748.9	5622.1	5571.3
7836.9	25°	7715.1	7666.9	7649.1	7319.3	6563.3	6015.3	5586.5	5310.0	5198.4	5170.5
8798.4	27.5°	8565.0	8443.2	8212.4	7425.9	6395.8	5660.1	5129.9	4873.6	4810.2	4812.7
10033.9	30°	9696.5	9453.0	8887.2	7443.6	6121.8	5157.8	4663.1	4480.4	4449.9	4462.6
11071.6	32.5°	10744.3	10513.4	9577.3	7362.5	5700.7	4665.6	4244.4	4122.7	4077.0	4092.2
11863.1	35°	11566.3	11502.9	10216.6	7248.3	5183.1	4203.9	3869.0	3764.9	3676.2	3655.9
12609.0	37.5°	12342.6	12317.3	10696.1	7088.5	4670.7	3876.6	3567.1	3430.1	3300.7	3229.6
13433.6	40°	13195.1	13169.7	11010.7	6842.4	4216.5	3592.4	3295.6	3115.5	2955.6	2826.2
14367.2	42.5°	14154.1	14004.4	11160.4	6489.7	3830.9	3351.4	3074.9	2831.3	2620.8	2501.5
15422.6	45°	15201.9	14864.4	11157.8	6040.7	3506.2	3130.7	2838.9	2493.9	2298.5	2186.9
16505.9	47.5°	16313.1	15686.4	11020.9	5543.4	3191.6	2887.1	2473.6	2209.8	2080.4	2011.9
17683.1	50°	17459.8	16455.2	10787.4	4972.6	2869.4	2610.6	2245.3	2065.1	1966.2	1902.8
18850.1	52.5°	18538.1	17152.8	10505.8	4325.6	2542.1	2341.7	2143.8	2004.3	1900.2	1829.2
19981.6	55°	19540.2	17754.1	10107.5	3663.5	2275.7	2161.5	2095.6	1978.9	1859.6	1775.9
21130.9	57.5°	20430.7	18144.8	9420.0	3041.9	2085.4	2037.2	2044.8	1935.8	1798.8	1727.7
22262.4	60°	21171.5	18431.5	8402.6	2466.0	1930.7	1915.5	1966.2	1854.6	1694.7	1613.5
23218.9	62.5°	21615.5	18426.4	7154.4	2019.5	1798.8	1803.8	1862.2	1753.1	1590.7	1514.6
23718.7	65°	21577.4	17974.8	5784.4	1727.7	1671.9	1677.0	1753.1	1641.5	1504.5	1458.8
23467.5	67.5°	20813.8	16873.8	4437.3	1537.4	1532.4	1555.2	1644.0	1565.3	1451.2	1446.1
21970.7	70°	18746.1	14587.9	3196.7	1385.2	1387.8	1420.7	1537.4	1517.1	1423.3	1433.4
18472.1	72.5°	15031.9	11122.3	2146.3	1225.4	1227.9	1281.2	1436.0	1479.1	1395.4	1529.8
13106.3	75°	10011.1	6936.2	1380.1	1055.4	1057.9	1126.4	1347.2	1405.5	1319.3	1524.8
6819.5	77.5°	4810.2	3118.0	999.6	888.0	888.0	951.4	1164.5	1258.4	1123.9	1184.8
2192.0	80°	1661.8	1172.1	786.5	715.4	700.2	743.3	981.8	1090.9	969.1	893.0
715.4	82.5°	654.6	608.9	631.7	555.6	504.9	532.8	763.6	900.6	712.9	644.4
403.4	85°	375.5	395.8	446.5	367.9	291.8	327.3	560.7	646.9	537.8	474.4
131.9	87.5°	101.5	139.5	205.5	190.3	131.9	139.5	266.4	357.7	309.5	238.5
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>
5355.7
5492.7
5710.9
5974.7
6218.3
6304.5
6307.1
6195.4
5934.1
5563.7
5175.5
4820.4
4505.8
4112.5
3671.1
3232.2
2838.9
2509.1
2181.8
1996.6
1879.9
1798.8
1742.9
1682.0
1578.0
1491.8
1456.3
1453.7
1430.9
1550.1
1537.4
1085.8
837.2
641.9
484.6
246.1
0.0

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