

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: P851473

Luminaire Tested: **GLAN-SB9C-722-U-SL4**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851473
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-SB9C-722-U-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 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: 52876 lumens
Efficiency: N/A
Efficacy: 117.6 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

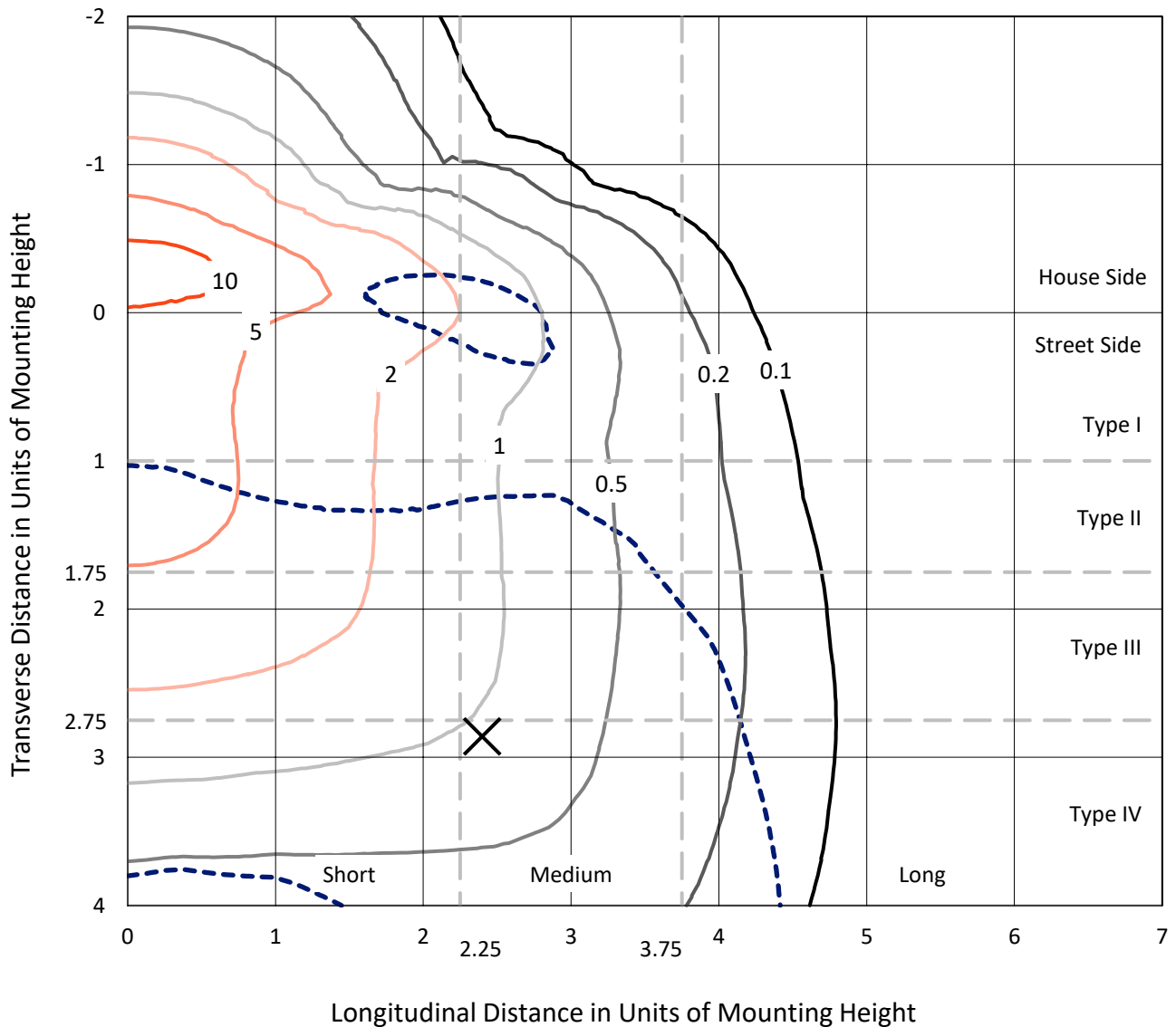
Input Watts (W): 449.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

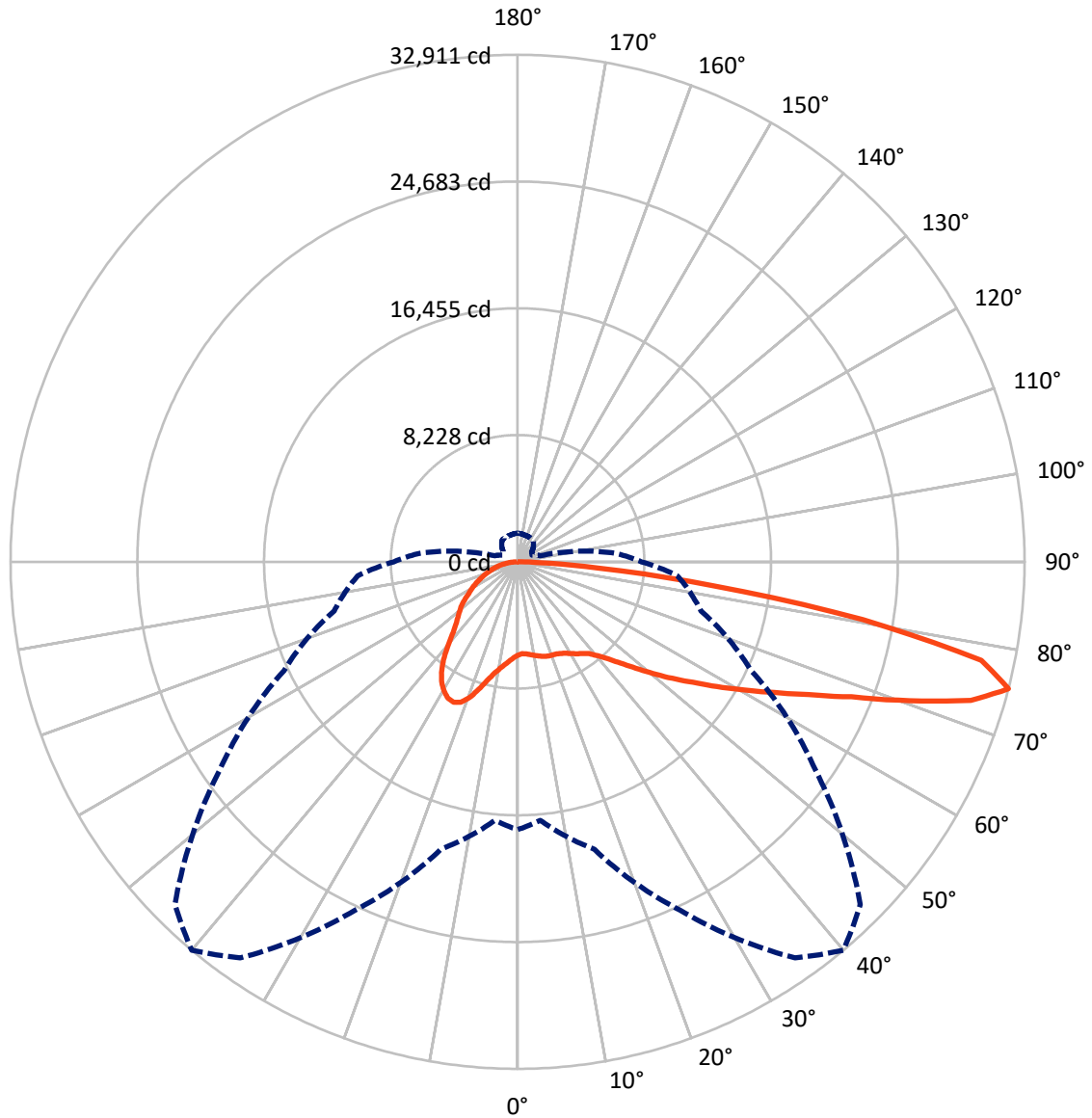
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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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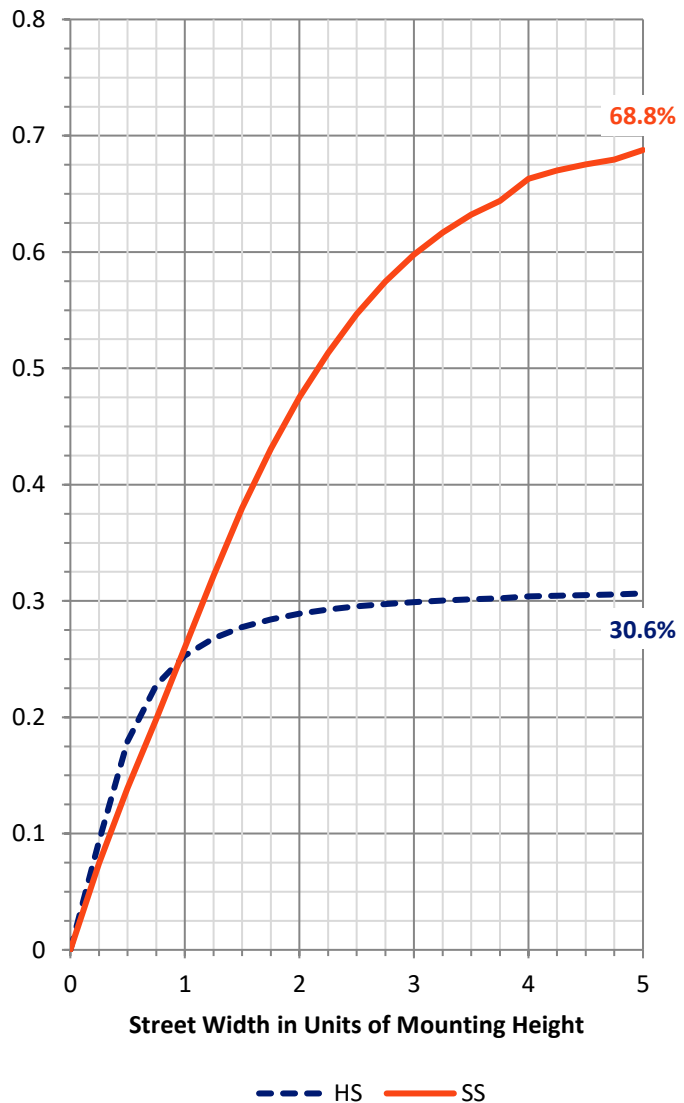
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16382.8	0.0	16382.8
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	36493.2	0.0	36493.2
	% Fixture	69.0	0.0	69.0
Total	Lumens	52876.0	0.0	52876.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.6	1.1
10°-20°	2026.4	3.8
20°-30°	3700.0	7.0
30°-40°	5247.7	9.9
40°-50°	7085.9	13.4
50°-60°	9532.5	18.0
60°-70°	12098.9	22.9
70°-80°	10980.5	20.8
80°-90°	1600.6	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°	52876.0	100.0
0°-180°	52876.0	100.0

Coefficient of Utilization

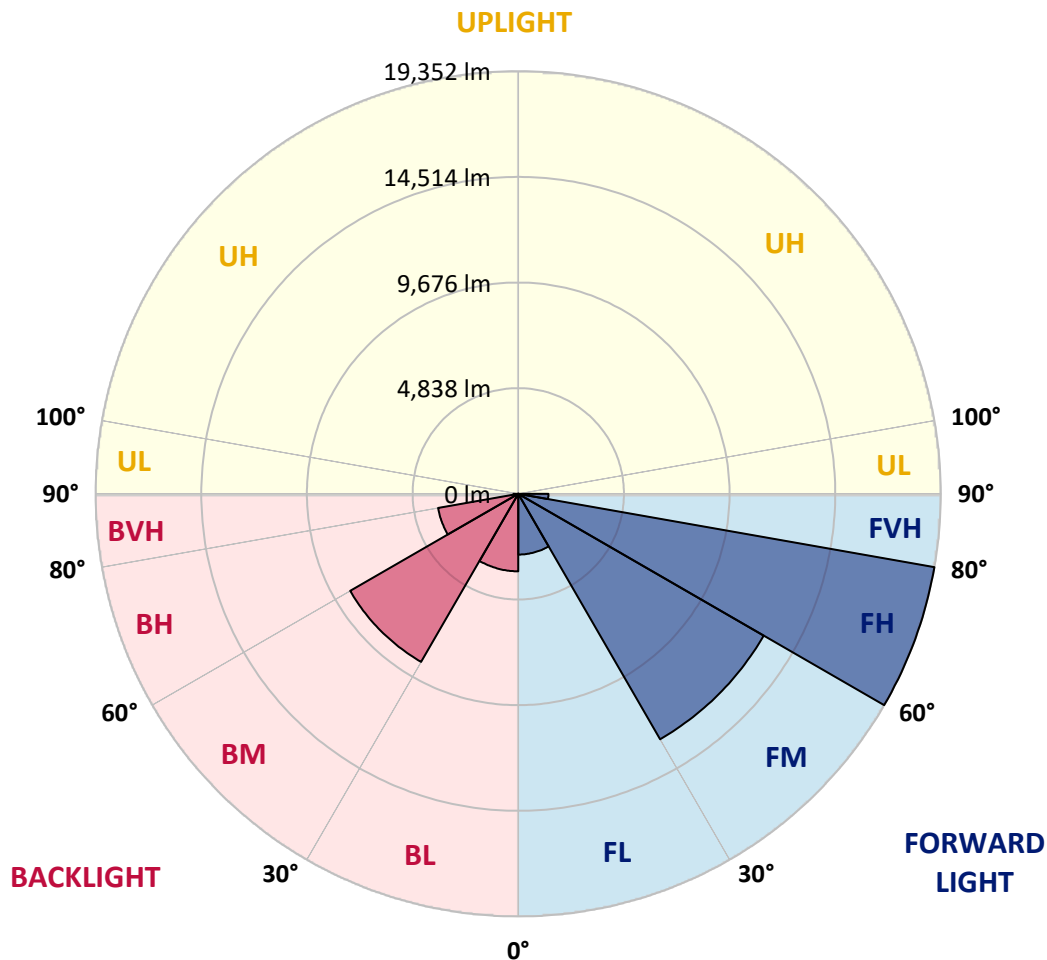


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2781.3	5.3			
FM (30°-60°)	12979.9	24.5			
FH (60°-80°)	19351.8	36.6			G5
FVH (80°-90°)	1380.2	2.6			G5
BL (0°-30°)	3548.7	6.7	B4/5000		
BM (30°-60°)	8886.2	16.8	B5		
BH (60°-80°)	3727.6	7.0	B4/5000		G4/5000
BVH (80°-90°)	220.4	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°	6046.4	6046.4	6046.4	6046.4	6046.4	6046.4	6046.4	6046.4	6046.4	6046.4
2.5°	5953.9	5987.5	5979.1	5967.9	5967.9	5970.7	5967.9	5987.5	6007.2	6026.8
5°	6015.6	6049.2	6032.4	6018.4	6007.2	6004.4	5996.0	5993.2	6004.4	6029.6
7.5°	6136.2	6169.8	6144.6	6119.4	6096.9	6085.7	6074.5	6057.7	6049.2	6063.3
10°	6270.8	6304.5	6273.6	6228.7	6192.3	6178.3	6167.0	6150.2	6139.0	6147.4
12.5°	6405.4	6439.1	6397.0	6335.3	6287.6	6279.2	6265.2	6259.6	6256.8	6254.0
15°	6531.6	6559.7	6506.4	6433.5	6383.0	6369.0	6354.9	6363.3	6377.4	6394.2
17.5°	6629.8	6657.8	6579.3	6483.9	6436.3	6430.7	6422.2	6450.3	6489.5	6531.6
20°	6719.5	6747.6	6646.6	6517.6	6461.5	6461.5	6464.3	6523.2	6579.3	6641.0
22.5°	6845.7	6868.2	6744.8	6568.1	6486.7	6492.4	6514.8	6573.7	6643.8	6727.9
25°	7033.6	7050.4	6899.0	6663.4	6570.9	6587.7	6607.3	6635.4	6702.7	6800.8
27.5°	7336.5	7350.5	7151.4	6831.7	6691.5	6719.5	6747.6	6727.9	6758.8	6842.9
30°	7762.8	7771.2	7518.8	7095.3	6896.2	6910.2	6915.8	6834.5	6775.6	6842.9
32.5°	8267.6	8264.8	7964.7	7415.0	7129.0	7114.9	7067.3	6907.4	6770.0	6828.9
35°	9050.0	9019.2	8632.2	7863.7	7392.6	7305.6	7193.5	6988.7	6798.0	6814.9
37.5°	10345.7	10250.3	9714.7	8598.5	7785.2	7563.7	7398.2	7120.6	6859.7	6809.3
40°	11806.8	11686.2	11097.3	9605.3	8374.2	8018.0	7751.6	7308.5	6960.7	6834.5
42.5°	13540.0	13368.9	12735.1	10791.6	9120.1	8604.1	8203.1	7546.8	7109.3	6915.8
45°	15668.6	15441.4	14544.0	12129.3	10059.6	9372.5	8836.9	7908.6	7336.5	7072.9
47.5°	17819.6	17875.7	16599.7	13660.6	11187.0	10320.5	9630.6	8452.7	7667.4	7325.3
50°	20105.3	20144.5	18644.1	15357.3	12465.9	11391.8	10522.4	9061.2	8127.4	7684.3
52.5°	21888.9	21894.5	20500.7	17132.5	13798.0	12569.6	11484.3	9756.8	8660.2	8161.0
55°	23005.1	22991.1	21802.0	18812.4	15329.2	13806.4	12550.0	10547.6	9310.8	8721.9
57.5°	23815.6	23773.5	22699.4	20256.7	16961.4	15267.5	13755.9	11445.0	10079.3	9389.4
60°	24124.1	24098.8	23308.0	21504.7	18677.8	16882.9	15147.0	12449.1	10951.5	10177.4
62.5°	24241.9	24289.5	23905.3	22713.4	20514.7	18672.2	16675.4	13649.4	11933.0	11069.2
65°	24656.9	24743.9	24665.3	24295.1	22590.0	20767.1	18703.0	15076.8	13004.3	12025.6
67.5°	25478.6	25565.6	25599.2	26188.2	25125.3	23378.1	21232.7	16854.9	14257.9	13018.4
70°	25459.0	25433.8	26028.3	27694.2	28299.9	26993.0	24642.9	19042.4	15752.7	13842.9
72.5°	23173.3	22971.4	24376.5	27677.3	30941.7	30767.9	28807.5	21863.7	17042.8	13943.8
75°	17384.9	16846.5	19328.4	24943.0	31382.0	32910.5	31455.0	23613.7	16737.1	12320.0
77.5°	7434.7	6893.4	9818.5	18464.6	28086.8	30765.1	29026.3	20601.6	13360.5	8147.0
80°	1946.3	1943.5	2967.1	8371.3	19101.3	22719.0	19931.4	13304.4	7633.8	2911.0
82.5°	804.9	785.3	1090.9	3256.0	9333.3	12749.1	10404.6	5934.3	2756.8	788.1
85°	300.1	297.3	530.0	1124.6	3292.4	5258.4	3805.7	1517.2	687.1	384.2
87.5°	84.1	81.3	115.0	389.8	802.1	1217.1	650.6	249.6	193.5	151.4
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°
6046.4	0°	6046.4	6046.4	6046.4	6046.4	6046.4	6046.4	6046.4	6046.4	6046.4	6046.4
6057.7	2.5°	6066.1	6080.1	6105.3	6125.0	6150.2	6178.3	6217.5	6242.8	6268.0	6284.8
6071.7	5°	6091.3	6122.2	6186.7	6251.2	6326.9	6397.0	6478.3	6537.2	6584.9	6598.9
6122.2	7.5°	6147.4	6197.9	6307.3	6416.6	6537.2	6652.2	6770.0	6871.0	6952.3	6983.1
6211.9	10°	6245.6	6312.9	6467.1	6621.4	6781.2	6957.9	7109.3	7255.2	7370.2	7417.8
6318.5	12.5°	6369.0	6453.1	6655.0	6868.2	7089.7	7333.7	7530.0	7709.5	7852.5	7917.0
6467.1	15°	6528.8	6638.2	6896.2	7182.3	7507.6	7846.9	8096.5	8295.6	8455.5	8534.0
6621.4	17.5°	6702.7	6848.5	7173.8	7605.7	8071.3	8517.2	8808.8	8954.7	9120.1	9195.9
6764.4	20°	6871.0	7050.4	7516.0	8144.2	8764.0	9237.9	9473.5	9512.8	9524.0	9532.4
6899.0	22.5°	7044.8	7286.0	7945.1	8822.9	9487.5	9815.7	9849.3	9681.0	9445.5	9336.1
7030.8	25°	7235.5	7555.2	8506.0	9571.7	10110.1	10149.4	9891.4	9481.9	9036.0	8831.3
7137.4	27.5°	7420.6	7866.5	9179.0	10286.8	10558.8	10213.9	9658.6	9078.1	8539.6	8323.7
7213.1	30°	7605.7	8222.7	9922.2	10912.2	10763.6	10054.0	9291.2	8643.4	8102.1	7875.0
7280.4	32.5°	7793.6	8637.8	10777.6	11363.7	10727.1	9714.7	8834.1	8155.4	7678.6	7440.3
7339.3	35°	8006.8	9148.2	11588.1	11610.5	10483.1	9215.5	8231.1	7572.1	7157.0	6966.3
7409.4	37.5°	8284.4	9796.0	12303.2	11672.2	10056.8	8483.5	7482.3	6882.2	6540.0	6453.1
7513.2	40°	8629.4	10575.7	12850.1	11574.1	9425.8	7594.5	6663.4	6183.9	5990.4	6010.0
7653.4	42.5°	9078.1	11447.9	13234.3	11321.7	8548.0	6677.4	5945.5	5732.3	5824.9	5903.4
7863.7	45°	9661.4	12353.7	13472.7	10892.6	7555.2	5900.6	5522.0	5572.5	5642.6	5651.0
8203.1	47.5°	10407.4	13270.8	13629.7	10244.7	6542.8	5353.7	5252.8	5264.0	5250.0	5191.1
8710.7	50°	11338.5	14162.6	13770.0	9386.6	5681.9	5011.6	4877.0	4837.7	4644.2	4453.5
9386.6	52.5°	12398.6	14981.5	13828.9	8320.9	5011.6	4725.5	4506.8	4260.0	3898.2	3839.3
10236.3	55°	13576.4	15738.7	13677.4	7011.2	4447.9	4358.1	4027.2	3729.9	3690.7	3640.2
11355.3	57.5°	14984.3	16554.8	13368.9	5550.0	3870.2	3929.1	3606.6	3640.2	3570.1	3491.6
12794.0	60°	16523.9	17398.9	12827.7	4217.9	3272.8	3393.4	3497.2	3494.4	3474.7	3410.2
14311.2	62.5°	17909.4	17954.2	11762.0	3230.8	2748.4	2978.3	3261.6	3258.8	3242.0	3205.5
15895.7	65°	18733.9	17870.1	9983.9	2543.7	2316.5	2636.2	2941.9	2964.3	2967.1	2964.3
17087.6	67.5°	18588.0	16885.7	7544.0	2024.8	1960.3	2288.4	2625.0	2655.8	2678.3	2683.9
17239.1	70°	16939.0	14723.5	4919.0	1615.4	1643.4	1982.8	2324.9	2355.8	2375.4	2397.8
14959.1	72.5°	13203.5	10825.3	2815.7	1306.9	1365.8	1719.1	2027.6	2064.1	2075.3	2117.4
10410.2	75°	8046.0	6366.2	1520.0	1029.2	1121.8	1469.5	1733.2	1775.2	1794.9	1845.3
5112.6	77.5°	3825.3	2756.8	866.6	802.1	903.0	1200.3	1463.9	1511.6	1458.3	1486.4
1410.6	80°	1292.9	1023.6	546.9	611.4	689.9	936.7	1172.3	1219.9	1107.8	1102.2
468.3	82.5°	451.5	415.1	347.8	406.6	445.9	670.3	886.2	947.9	824.5	821.7
210.3	85°	176.7	168.3	193.5	221.6	266.4	412.3	583.3	614.2	507.6	409.5
61.7	87.5°	36.5	39.3	47.7	50.5	81.3	143.0	210.3	258.0	204.7	173.9
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>
6046.4
6273.6
6604.5
6985.9
7420.6
7917.0
8528.4
9193.1
9554.8
9366.9
8862.1
8348.9
7900.2
7471.1
7008.4
6514.8
6077.3
5976.3
5707.1
5235.9
4478.7
3859.0
3648.6
3477.5
3387.8
3191.5
2964.3
2689.5
2409.0
2134.2
<i>1851.0</i>
1463.9
1090.9
782.4
403.8
159.9
0.0

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