

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: P851136

Luminaire Tested: **GLAN-SB9A-722-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31658 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B4 - U0 - G4

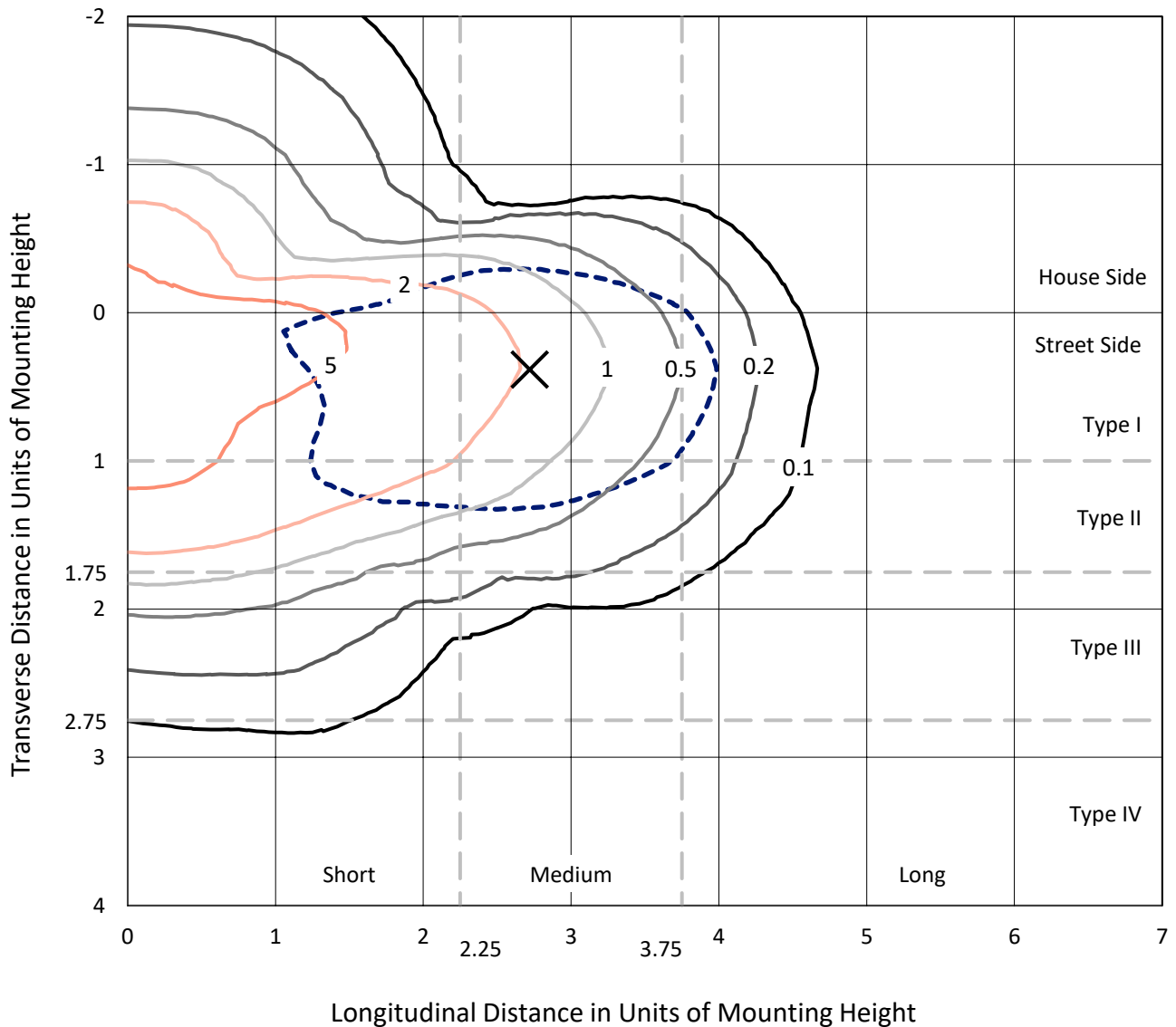
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

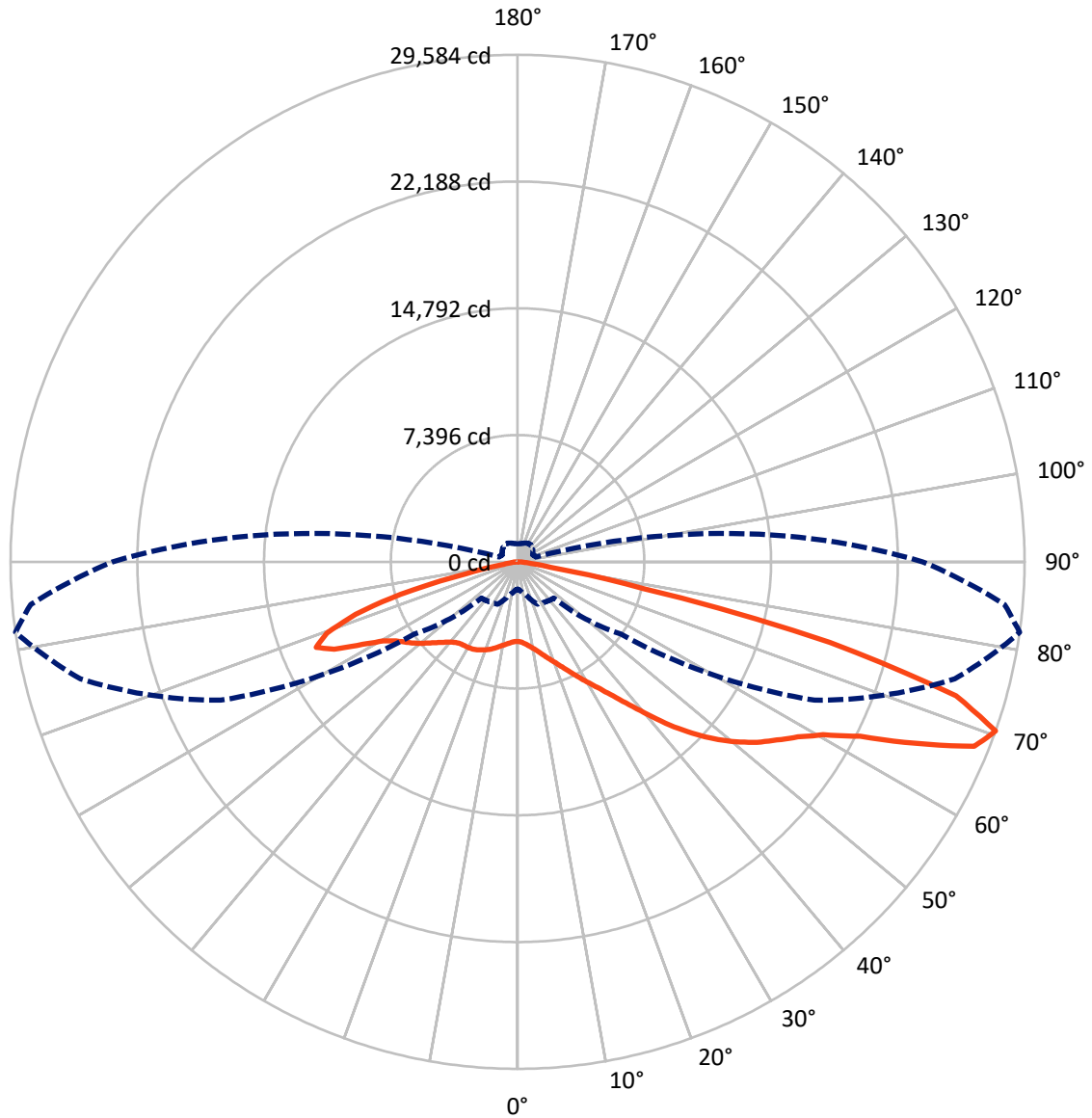
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 82-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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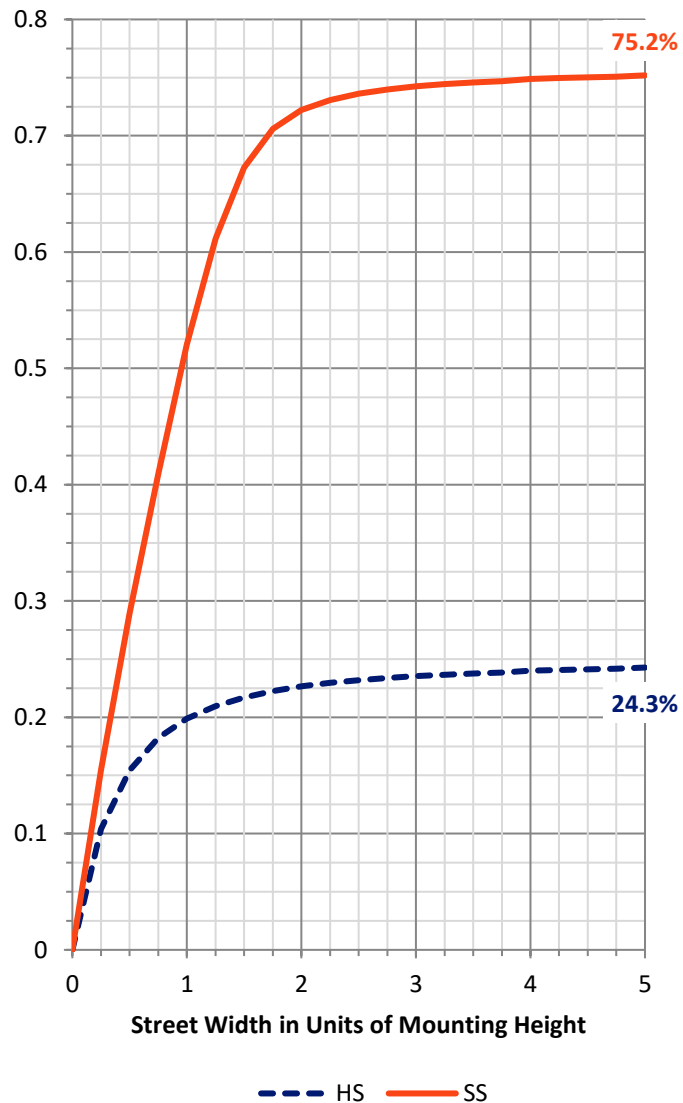
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7804.5	0.0	7804.5
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	23853.5	0.0	23853.5
	% Fixture	75.3	0.0	75.3
Total	Lumens	31658.0	0.0	31658.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.2	1.4
10°-20°	1259.1	4.0
20°-30°	2106.3	6.7
30°-40°	3290.6	10.4
40°-50°	5240.7	16.6
50°-60°	7293.0	23.0
60°-70°	7628.8	24.1
70°-80°	3987.2	12.6
80°-90°	414.0	1.3
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°	31658.0	100.0
0°-180°	31658.0	100.0

Coefficient of Utilization

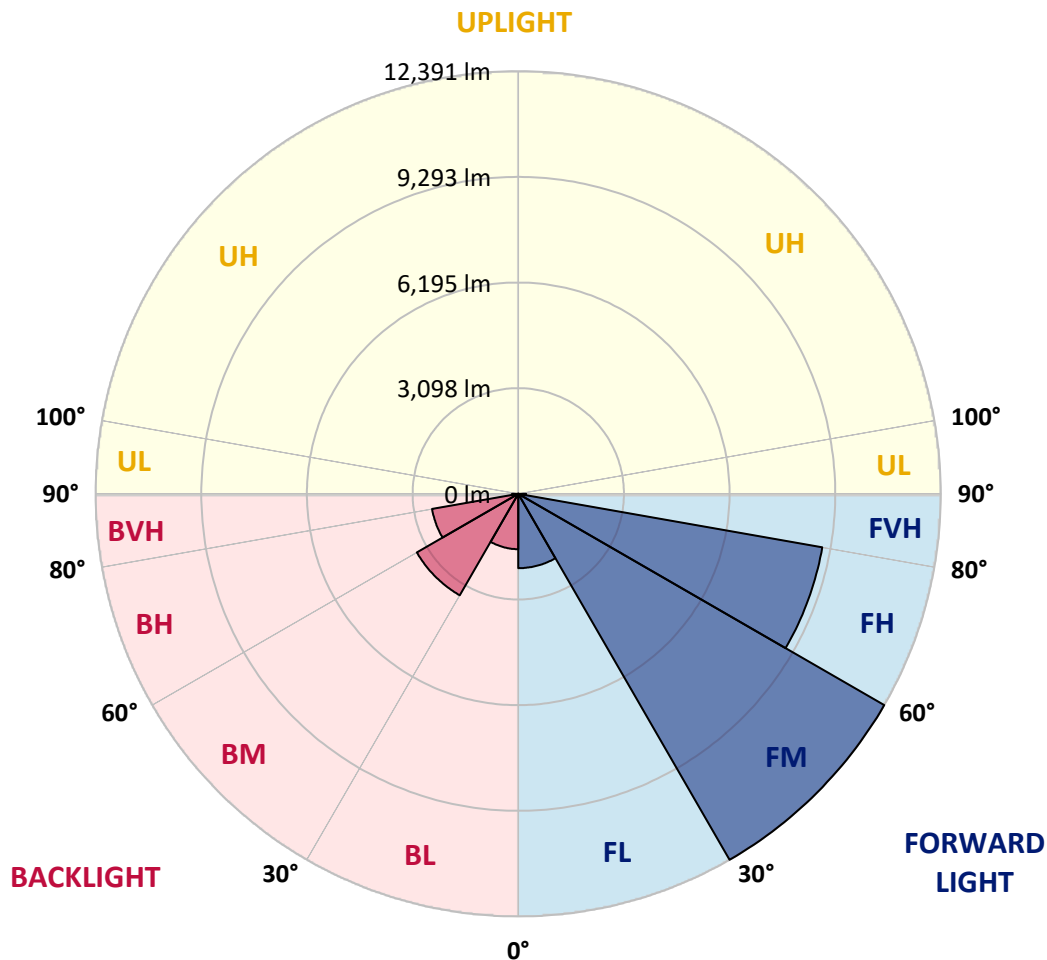


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2180.0	6.9			
FM (30°-60°)	12390.6	39.1			
FH (60°-80°)	9051.1	28.6			G4/12000
FVH (80°-90°)	231.8	0.7			G3/500
BL (0°-30°)	1623.6	5.1	B3/2500		
BM (30°-60°)	3433.7	10.8	B3/5000		
BH (60°-80°)	2564.9	8.1	B4/5000		G4/5000
BVH (80°-90°)	182.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	4641.5	4641.5	4641.5	4641.5	4641.5	4641.5	4641.5	4641.5	4641.5	4641.5
2.5°	4752.3	4779.2	4770.8	4762.4	4762.4	4750.6	4749.0	4732.2	4718.7	4696.9
5°	4812.8	4841.4	4838.0	4844.7	4866.6	4871.6	4876.6	4866.6	4839.7	4812.8
7.5°	4759.0	4791.0	4801.0	4841.4	4908.6	4969.0	5014.4	5032.9	5007.7	4969.0
10°	4577.6	4612.9	4648.2	4743.9	4863.2	5006.0	5126.9	5199.2	5194.1	5157.2
12.5°	4209.7	4246.7	4322.3	4508.7	4727.1	4979.1	5204.2	5355.4	5407.5	5380.6
15°	3915.8	3947.7	4004.8	4196.3	4480.2	4863.2	5232.8	5526.7	5659.5	5644.3
17.5°	3907.4	3920.8	3956.1	4046.8	4265.2	4681.8	5202.5	5694.7	5948.4	5946.7
20°	4055.2	4060.2	4080.4	4098.9	4223.2	4544.0	5125.3	5834.2	6272.6	6272.6
22.5°	4260.1	4256.8	4276.9	4260.1	4320.6	4532.3	5076.5	5956.8	6633.8	6660.7
25°	4567.5	4550.7	4545.7	4507.1	4518.8	4641.5	5130.3	6096.2	7062.1	7117.6
27.5°	4977.4	4950.6	4932.1	4843.0	4812.8	4866.6	5294.9	6264.2	7539.2	7635.0
30°	5511.6	5462.9	5436.0	5281.5	5172.3	5180.7	5543.5	6487.6	8038.1	8192.7
32.5°	6240.7	6165.1	6092.9	5839.2	5639.3	5573.8	5864.4	6796.7	8579.1	8826.0
35°	7057.1	6996.6	6919.4	6527.9	6220.5	6069.3	6297.8	7228.4	9212.4	9603.8
37.5°	7843.3	7791.2	7828.2	7300.7	6904.2	6684.2	6865.6	7808.0	9993.5	10571.4
40°	8656.3	8616.0	8621.1	8117.1	7655.1	7408.2	7554.3	8535.4	10888.9	11722.1
42.5°	9539.9	9509.7	9408.9	8962.1	8443.0	8212.8	8347.2	9375.3	11849.7	13032.4
45°	10529.4	10510.9	10416.8	9904.5	9309.8	9051.1	9232.5	10302.6	12815.7	14265.4
47.5°	11384.4	11399.5	11387.8	10956.1	10339.6	9959.9	10176.6	11270.2	13714.4	15424.5
50°	11796.0	11874.9	11990.9	11856.5	11473.5	11087.1	11129.1	12204.2	14571.1	16511.4
52.5°	11581.0	11730.5	12046.3	12261.3	12409.1	12328.5	12216.0	13131.5	15377.5	17492.4
55°	10779.7	10989.7	11513.8	12032.9	12787.1	13373.4	13521.2	14159.6	16163.6	18355.9
57.5°	9319.9	9660.9	10131.2	11181.2	12451.1	13879.0	15043.2	15585.8	16996.8	19278.1
60°	6816.9	7273.8	7858.4	9420.7	11275.2	13608.6	16338.3	17776.3	18181.1	20472.5
62.5°	4362.6	4644.8	5182.4	6653.9	8785.7	12222.7	16734.8	20514.5	20188.6	22431.2
65°	2986.8	3168.2	3660.4	4486.9	5679.6	9098.1	15673.1	22567.3	23377.0	25535.6
67.5°	2170.4	2308.1	2728.1	3452.1	3700.7	5384.0	12162.2	22473.2	26476.3	28734.0
70°	1582.4	1679.9	2032.6	2728.1	2847.4	2995.2	7367.9	19103.4	26409.1	29584.0
72.5°	1172.5	1239.7	1476.6	2116.6	2304.8	2022.6	3647.0	13884.1	22693.3	26758.5
75°	848.3	898.7	1073.4	1619.4	1844.5	1540.4	1819.3	8113.7	15829.3	18822.9
77.5°	648.4	687.1	801.3	1186.0	1476.6	1155.7	1128.9	3732.7	7505.6	7542.6
80°	520.8	546.0	608.1	834.9	1132.2	865.1	735.8	1506.8	2372.0	2007.4
82.5°	383.0	425.0	514.0	586.3	809.7	596.4	448.5	761.0	902.1	776.1
85°	218.4	246.9	310.8	420.0	517.4	364.5	257.0	337.7	420.0	344.4
87.5°	77.3	100.8	109.2	164.6	225.1	151.2	99.1	97.4	137.7	102.5
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°
4641.5	0°	4641.5	4641.5	4641.5	4641.5	4641.5	4641.5	4641.5	4641.5	4641.5	4641.5
4691.9	2.5°	4675.1	4666.7	4633.1	4587.7	4540.7	4495.3	4480.2	4448.3	4426.4	4414.7
4801.0	5°	4769.1	4742.3	4663.3	4562.5	4456.7	4342.4	4261.8	4187.9	4134.1	4083.7
4950.6	7.5°	4903.5	4856.5	4720.4	4544.0	4355.9	4166.1	4024.9	3917.4	3845.2	3798.2
5125.3	10°	5059.7	4987.5	4779.2	4515.5	4224.9	3952.7	3786.4	3694.0	3648.7	3623.5
5325.2	12.5°	5239.5	5137.0	4839.7	4450.0	4024.9	3714.2	3599.9	3573.1	3574.7	3576.4
5577.1	15°	5461.2	5318.4	4888.4	4307.2	3764.6	3531.1	3510.9	3554.6	3599.9	3621.8
5862.7	17.5°	5711.5	5509.9	4896.8	4072.0	3509.2	3413.5	3477.3	3571.4	3640.3	3670.5
6181.9	20°	5980.3	5704.8	4836.3	3739.4	3299.2	3317.7	3432.0	3552.9	3628.5	3667.1
6546.4	22.5°	6287.7	5913.1	4691.9	3390.0	3127.9	3213.6	3348.0	3465.6	3544.5	3583.1
6974.8	25°	6638.8	6146.6	4465.1	3096.0	2980.1	3096.0	3230.4	3327.8	3391.6	3426.9
7453.5	27.5°	7028.5	6390.2	4162.7	2862.5	2850.7	2975.0	3085.9	3161.5	3195.1	3222.0
7962.5	30°	7420.0	6611.9	3796.5	2686.1	2738.2	2855.8	2934.7	2968.3	2978.4	2983.4
8530.3	32.5°	7843.3	6803.4	3411.8	2540.0	2630.7	2739.9	2786.9	2802.0	2755.0	2723.1
9219.1	35°	8355.6	7008.4	3035.5	2424.0	2524.8	2618.9	2634.0	2620.6	2565.1	2499.6
10082.5	37.5°	8988.9	7263.7	2734.8	2341.7	2425.7	2487.9	2469.4	2466.0	2471.1	2393.8
11120.7	40°	9765.0	7596.3	2514.8	2277.9	2345.1	2358.5	2306.5	2335.0	2360.2	2242.6
12259.6	42.5°	10626.8	7997.8	2375.3	2234.2	2277.9	2246.0	2165.3	2197.3	2193.9	2039.4
13403.6	45°	11505.4	8434.6	2326.6	2202.3	2215.7	2151.9	2062.9	2071.3	2000.7	1861.3
14500.6	47.5°	12378.9	8903.3	2356.8	2175.4	2138.5	2066.2	1997.4	1960.4	1856.2	1752.1
15552.2	50°	13235.6	9395.5	2467.7	2121.7	2032.6	1990.6	1940.2	1874.7	1763.9	1674.8
16546.6	52.5°	14030.2	9891.0	2592.0	2032.6	1899.9	1925.1	1893.2	1817.6	1708.4	1617.7
17487.4	55°	14782.8	10386.6	2640.7	1910.0	1775.6	1868.0	1849.5	1710.1	1579.1	1505.2
18471.8	57.5°	15602.6	10982.9	2587.0	1753.8	1674.8	1802.5	1731.9	1577.4	1501.8	1446.4
19753.5	60°	16738.1	11918.6	2471.1	1560.6	1579.1	1705.1	1584.1	1520.3	1438.0	1375.8
21675.3	62.5°	18624.6	13664.0	2284.6	1369.1	1466.5	1560.6	1513.6	1449.7	1365.7	1305.3
24961.1	65°	21413.2	16089.7	1933.5	1219.6	1340.5	1419.5	1438.0	1374.1	1286.8	1222.9
27840.4	67.5°	23765.0	17611.7	1463.2	1095.3	1211.2	1305.3	1357.3	1295.2	1202.8	1140.6
28514.0	70°	23635.7	16506.3	1117.1	972.6	1096.9	1192.7	1259.9	1211.2	1112.1	1053.3
25900.1	72.5°	20993.2	13808.5	903.8	848.3	981.0	1075.1	1155.7	1118.8	1018.0	960.9
18974.0	75°	15422.8	9802.0	722.3	722.3	836.6	952.5	1041.5	1018.0	925.6	885.3
7965.9	77.5°	6501.1	4112.3	566.1	599.7	695.5	818.1	929.0	937.4	856.7	907.1
2106.5	80°	1728.6	1133.9	431.7	472.0	546.0	675.3	808.0	804.7	717.3	670.3
782.8	82.5°	658.5	446.8	307.4	332.6	394.8	517.4	640.0	660.2	572.8	495.6
307.4	85°	253.7	191.5	189.8	199.9	230.1	342.7	483.8	500.6	431.7	366.2
85.7	87.5°	65.5	57.1	70.6	67.2	105.8	183.1	277.2	287.3	263.7	152.9
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>
4641.5
4428.1
4103.9
3808.2
3630.2
3579.8
3620.1
3677.2
3677.2
3593.2
3437.0
3232.1
2995.2
2733.1
2503.0
2398.8
2246.0
2037.7
1866.3
1752.1
1668.1
1619.4
1498.4
1441.3
1372.4
1305.3
1226.3
1142.3
1058.3
960.9
873.5
823.1
623.2
495.6
378.0
218.4
0.0

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