

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: P848176

Luminaire Tested: **GLAN-SB4C-840-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848176
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-SB4C-840-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26448 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

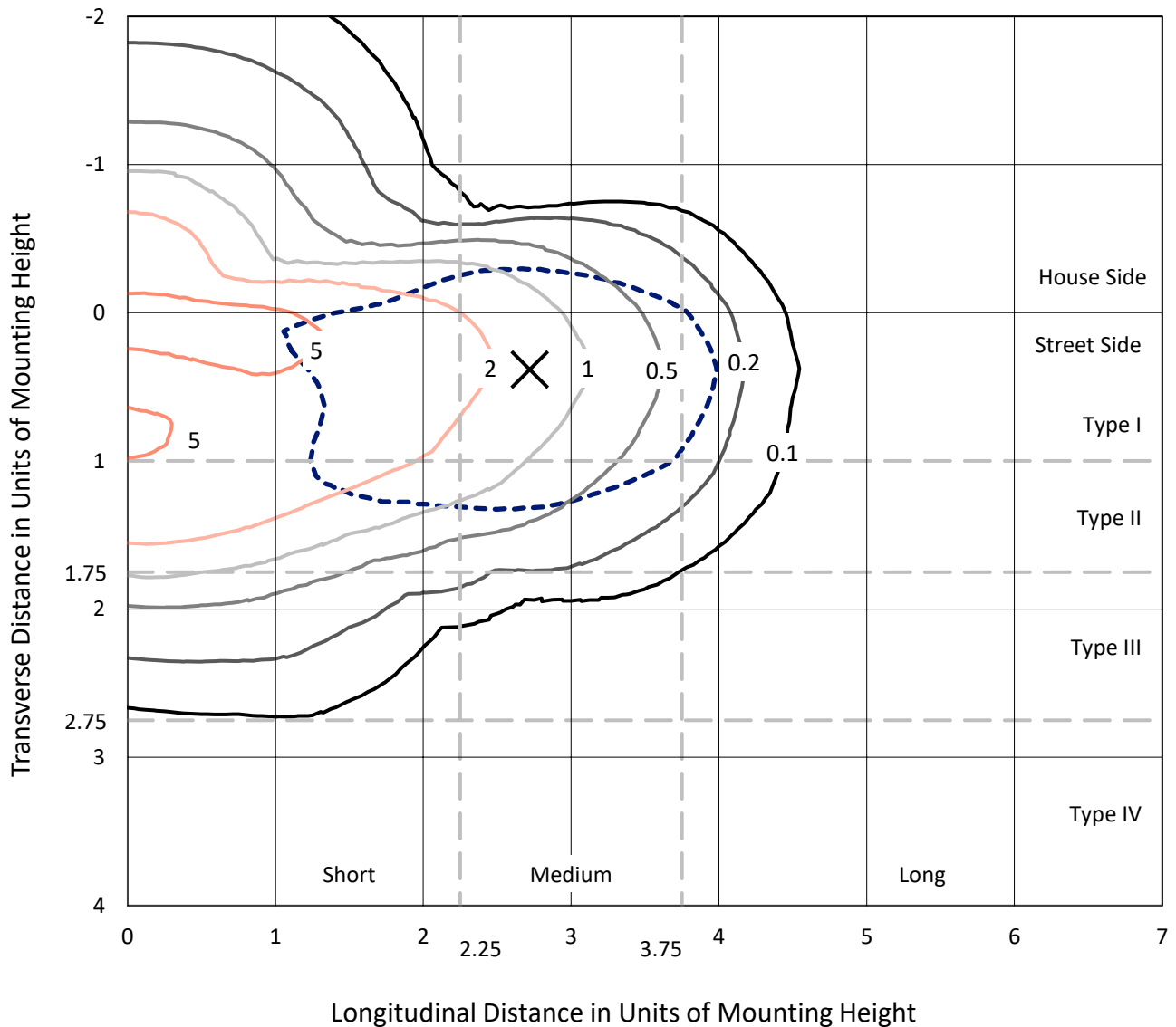
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

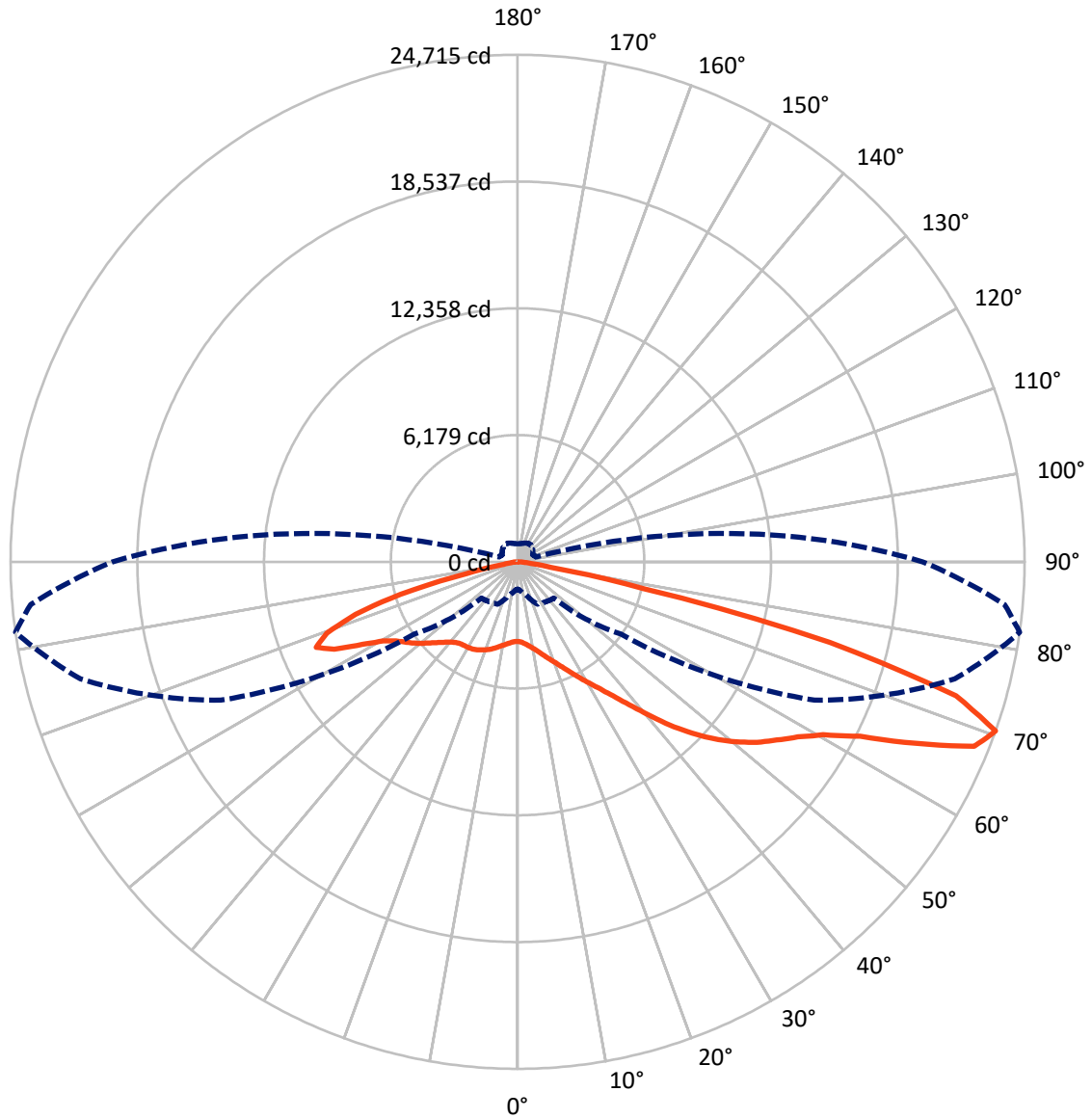
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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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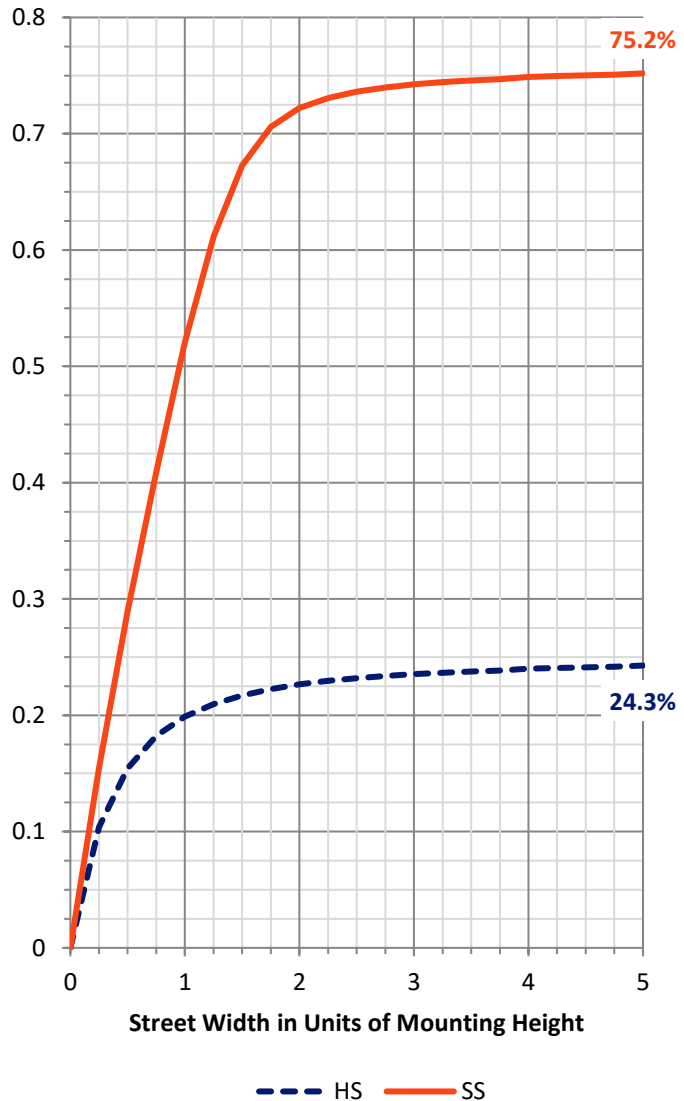
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6520.1	0.0	6520.1
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	19927.9	0.0	19927.9
	% Fixture	75.3	0.0	75.3
Total	Lumens	26448.0	0.0	26448.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	366.1	1.4
10°-20°	1051.9	4.0
20°-30°	1759.7	6.7
30°-40°	2749.1	10.4
40°-50°	4378.2	16.6
50°-60°	6092.8	23.0
60°-70°	6373.3	24.1
70°-80°	3331.1	12.6
80°-90°	345.9	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°	26448.0	100.0
0°-180°	26448.0	100.0

Coefficient of Utilization

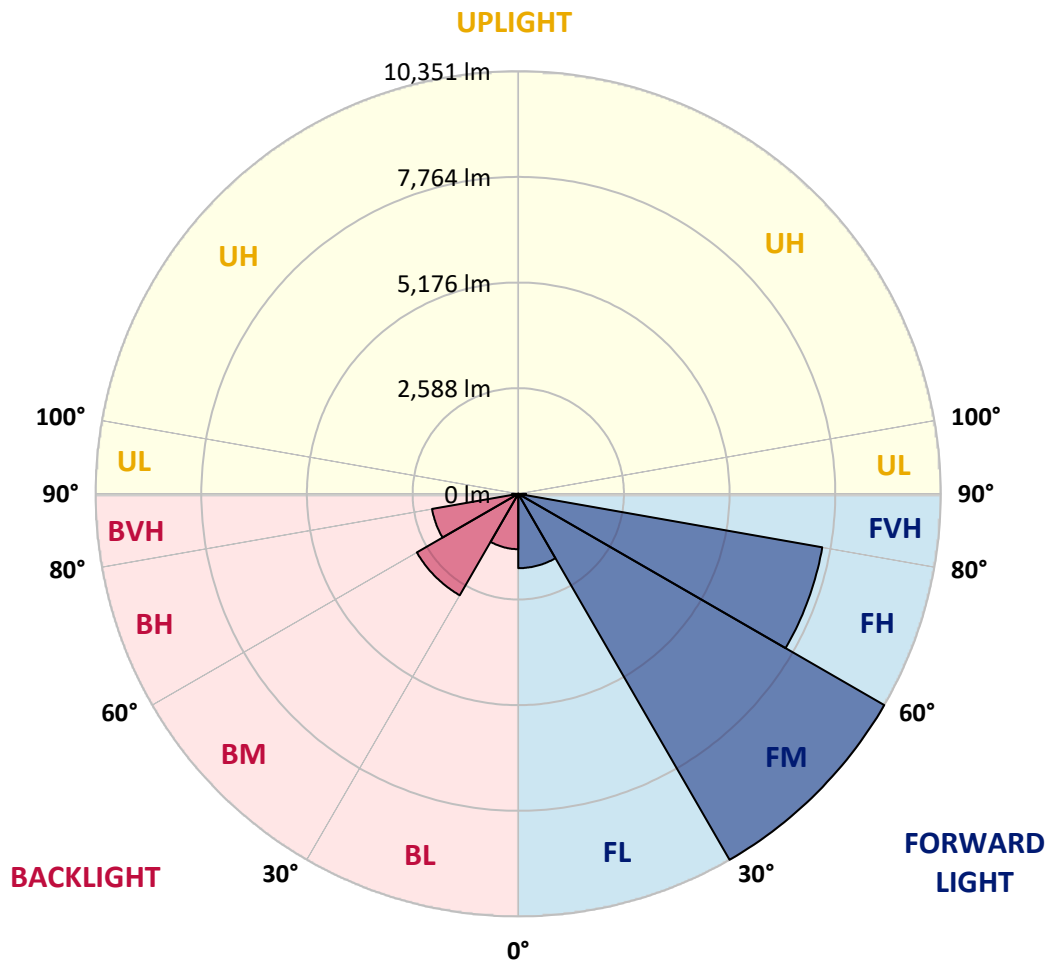


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1821.2	6.9			
FM (30°-60°)	10351.5	39.1			
FH (60°-80°)	7561.6	28.6			G4/12000
FVH (80°-90°)	193.6	0.7			G2/225
BL (0°-30°)	1356.4	5.1	B3/2500		
BM (30°-60°)	2868.6	10.8	B3/5000		
BH (60°-80°)	2142.8	8.1	B3/2500		G3/2500
BVH (80°-90°)	152.3	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-G4
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°
0°	3877.6	3877.6	3877.6	3877.6	3877.6	3877.6	3877.6	3877.6	3877.6	3877.6
2.5°	3970.2	3992.7	3985.7	3978.7	3978.7	3968.8	3967.4	3953.4	3942.2	3923.9
5°	4020.8	4044.6	4041.8	4047.4	4065.7	4069.9	4074.1	4065.7	4043.2	4020.8
7.5°	3975.8	4002.5	4010.9	4044.6	4100.7	4151.3	4189.2	4204.6	4183.5	4151.3
10°	3824.3	3853.7	3883.2	3963.2	4062.9	4182.1	4283.2	4343.5	4339.3	4308.5
12.5°	3516.9	3547.8	3611.0	3766.7	3949.2	4159.7	4347.7	4474.1	4517.6	4495.1
15°	3271.3	3298.0	3345.7	3505.7	3742.9	4062.9	4371.6	4617.2	4728.1	4715.4
17.5°	3264.3	3275.5	3305.0	3380.8	3563.2	3911.3	4346.3	4757.5	4969.5	4968.1
20°	3387.8	3392.0	3408.9	3424.3	3528.2	3796.2	4281.8	4874.0	5240.3	5240.3
22.5°	3559.0	3556.2	3573.1	3559.0	3609.6	3786.4	4241.1	4976.5	5542.0	5564.5
25°	3815.9	3801.8	3797.6	3765.3	3775.2	3877.6	4286.0	5093.0	5899.9	5946.2
27.5°	4158.3	4135.8	4120.4	4046.0	4020.8	4065.7	4423.5	5233.3	6298.5	6378.5
30°	4604.6	4563.9	4541.4	4412.3	4321.1	4328.1	4631.2	5419.9	6715.3	6844.4
32.5°	5213.6	5150.5	5090.1	4878.2	4711.2	4656.5	4899.3	5678.2	7167.2	7373.5
35°	5895.7	5845.2	5780.6	5453.6	5196.8	5070.5	5261.4	6038.9	7696.3	8023.3
37.5°	6552.5	6509.0	6539.9	6099.2	5768.0	5584.1	5735.7	6523.0	8348.9	8831.6
40°	7231.7	7198.1	7202.3	6781.3	6395.3	6189.0	6311.1	7130.7	9096.9	9793.0
42.5°	7969.9	7944.7	7860.5	7487.2	7053.5	6861.2	6973.5	7832.4	9899.6	10887.6
45°	8796.5	8781.1	8702.5	8274.5	7777.7	7561.5	7713.1	8607.1	10706.6	11917.7
47.5°	9510.9	9523.5	9513.7	9153.0	8638.0	8320.8	8501.8	9415.4	11457.4	12886.1
50°	9854.7	9920.7	10017.5	9905.2	9585.3	9262.5	9297.6	10195.7	12173.1	13794.1
52.5°	9675.1	9800.0	10063.8	10243.5	10367.0	10299.6	10205.6	10970.4	12846.8	14613.7
55°	9005.6	9181.1	9618.9	10052.6	10682.7	11172.5	11296.0	11829.3	13503.6	15335.0
57.5°	7786.1	8071.0	8463.9	9341.1	10402.0	11594.9	12567.5	13020.8	14199.6	16105.5
60°	5695.0	6076.7	6565.1	7870.3	9419.7	11369.0	13649.5	14850.8	15189.1	17103.3
62.5°	3644.6	3880.4	4329.5	5558.9	7339.8	10211.2	13980.7	17138.4	16866.1	18739.7
65°	2495.3	2646.8	3058.0	3748.5	4744.9	7600.8	13093.8	18853.3	19529.8	21333.2
67.5°	1813.2	1928.3	2279.1	2884.0	3091.7	4497.9	10160.7	18774.7	22119.1	24005.2
70°	1322.0	1403.4	1698.1	2279.1	2378.8	2502.3	6155.3	15959.5	22062.9	24715.4
72.5°	979.6	1035.7	1233.6	1768.3	1925.5	1689.7	3046.8	11599.1	18958.6	22354.8
75°	708.7	750.8	896.8	1352.9	1540.9	1286.9	1519.9	6778.4	13224.3	15725.2
77.5°	541.7	574.0	669.4	990.8	1233.6	965.5	943.1	3118.4	6270.4	6301.3
80°	435.1	456.1	508.0	697.5	945.9	722.8	614.7	1258.9	1981.6	1677.1
82.5°	320.0	355.1	429.4	489.8	676.4	498.2	374.7	635.7	753.6	648.4
85°	182.4	206.3	259.6	350.9	432.2	304.5	214.7	282.1	350.9	287.7
87.5°	64.6	84.2	91.2	137.5	188.1	126.3	82.8	81.4	115.1	85.6
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°
3877.6	0°	3877.6	3877.6	3877.6	3877.6	3877.6	3877.6	3877.6	3877.6	3877.6	3877.6
3919.7	2.5°	3905.7	3898.7	3870.6	3832.7	3793.4	3755.5	3742.9	3716.2	3698.0	3688.1
4010.9	5°	3984.3	3961.8	3895.9	3811.6	3723.2	3627.8	3560.4	3498.7	3453.8	3411.7
4135.8	7.5°	4096.5	4057.2	3943.6	3796.2	3639.0	3480.4	3362.6	3272.7	3212.4	3173.1
4281.8	10°	4227.1	4166.7	3992.7	3772.4	3529.6	3302.2	3163.3	3086.1	3048.2	3027.1
4448.8	12.5°	4377.2	4291.6	4043.2	3717.6	3362.6	3102.9	3007.5	2985.0	2986.4	2987.8
4659.3	15°	4562.5	4443.2	4083.9	3598.3	3145.0	2950.0	2933.1	2969.6	3007.5	3025.7
4897.9	17.5°	4771.6	4603.2	4090.9	3401.9	2931.7	2851.7	2905.0	2983.6	3041.2	3066.4
5164.5	20°	4996.1	4766.0	4040.4	3124.0	2756.3	2771.7	2867.2	2968.2	3031.4	3063.6
5469.1	22.5°	5252.9	4940.0	3919.7	2832.1	2613.1	2684.7	2797.0	2895.2	2961.2	2993.5
5826.9	25°	5546.3	5135.1	3730.3	2586.5	2489.6	2586.5	2698.7	2780.1	2833.5	2862.9
6226.9	27.5°	5871.8	5338.6	3477.6	2391.4	2381.6	2485.4	2578.1	2641.2	2669.3	2691.7
6652.1	30°	6198.8	5523.8	3171.7	2244.0	2287.5	2385.8	2451.7	2479.8	2488.2	2492.4
7126.5	32.5°	6552.5	5683.8	2850.3	2121.9	2197.7	2289.0	2328.2	2340.9	2301.6	2274.9
7701.9	35°	6980.5	5855.0	2536.0	2025.1	2109.3	2187.9	2200.5	2189.3	2143.0	2088.3
8423.2	37.5°	7509.6	6068.3	2284.7	1956.3	2026.5	2078.4	2063.0	2060.2	2064.4	1999.9
9290.5	40°	8158.0	6346.2	2100.9	1903.0	1959.2	1970.4	1926.9	1950.7	1971.8	1873.5
10242.0	42.5°	8877.9	6681.6	1984.4	1866.5	1903.0	1876.4	1809.0	1835.7	1832.8	1703.7
11197.8	45°	9611.9	7046.5	1943.7	1839.9	1851.1	1797.8	1723.4	1730.4	1671.5	1555.0
12114.2	47.5°	10341.7	7438.0	1969.0	1817.4	1786.5	1726.2	1668.6	1637.8	1550.8	1463.8
12992.7	50°	11057.4	7849.2	2061.6	1772.5	1698.1	1663.0	1620.9	1566.2	1473.6	1399.2
13823.5	52.5°	11721.2	8263.2	2165.5	1698.1	1587.3	1608.3	1581.6	1518.5	1427.3	1351.5
14609.4	55°	12350.0	8677.3	2206.2	1595.7	1483.4	1560.6	1545.1	1428.7	1319.2	1257.5
15431.8	57.5°	13034.8	9175.5	2161.2	1465.2	1399.2	1505.9	1446.9	1317.8	1254.6	1208.3
16502.6	60°	13983.5	9957.2	2064.4	1303.8	1319.2	1424.5	1323.4	1270.1	1201.3	1149.4
18108.1	62.5°	15559.5	11415.3	1908.6	1143.8	1225.2	1303.8	1264.5	1211.1	1141.0	1090.4
20853.2	65°	17889.2	13441.8	1615.3	1018.9	1119.9	1185.9	1201.3	1148.0	1075.0	1021.7
23258.6	67.5°	19854.0	14713.3	1222.4	915.0	1011.9	1090.4	1134.0	1082.0	1004.8	952.9
23821.4	70°	19745.9	13789.9	933.3	812.6	916.4	996.4	1052.6	1011.9	929.1	879.9
21637.7	72.5°	17538.4	11536.0	755.0	708.7	819.6	898.2	965.5	934.7	850.5	802.7
15851.5	75°	12884.7	8188.9	603.5	603.5	698.9	795.7	870.1	850.5	773.3	739.6
6654.9	77.5°	5431.2	3435.5	472.9	501.0	581.0	683.5	776.1	783.1	715.7	757.8
1759.9	80°	1444.1	947.3	360.7	394.4	456.1	564.2	675.0	672.2	599.3	560.0
654.0	82.5°	550.1	373.3	256.8	277.9	329.8	432.2	534.7	551.5	478.6	414.0
256.8	85°	211.9	160.0	158.6	167.0	192.3	286.3	404.2	418.2	360.7	305.9
71.6	87.5°	54.7	47.7	58.9	56.1	88.4	153.0	231.6	240.0	220.3	127.7
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>
3877.6
3699.4
3428.5
3181.5
3032.8
2990.7
3024.3
3072.1
3072.1
3001.9
2871.4
2700.2
2502.3
2283.3
2091.1
2004.1
1876.4
1702.3
1559.2
1463.8
1393.6
1352.9
1251.8
1204.1
1146.6
1090.4
1024.5
954.3
<i>884.1</i>
802.7
729.8
687.7
520.7
414.0
315.8
182.4
0.0

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