

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: P849126

Luminaire Tested: **GLAN-SB6A-735-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849126  
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-SB6A-735-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26449 lumens  
Efficiency: N/A  
Efficacy: 154.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

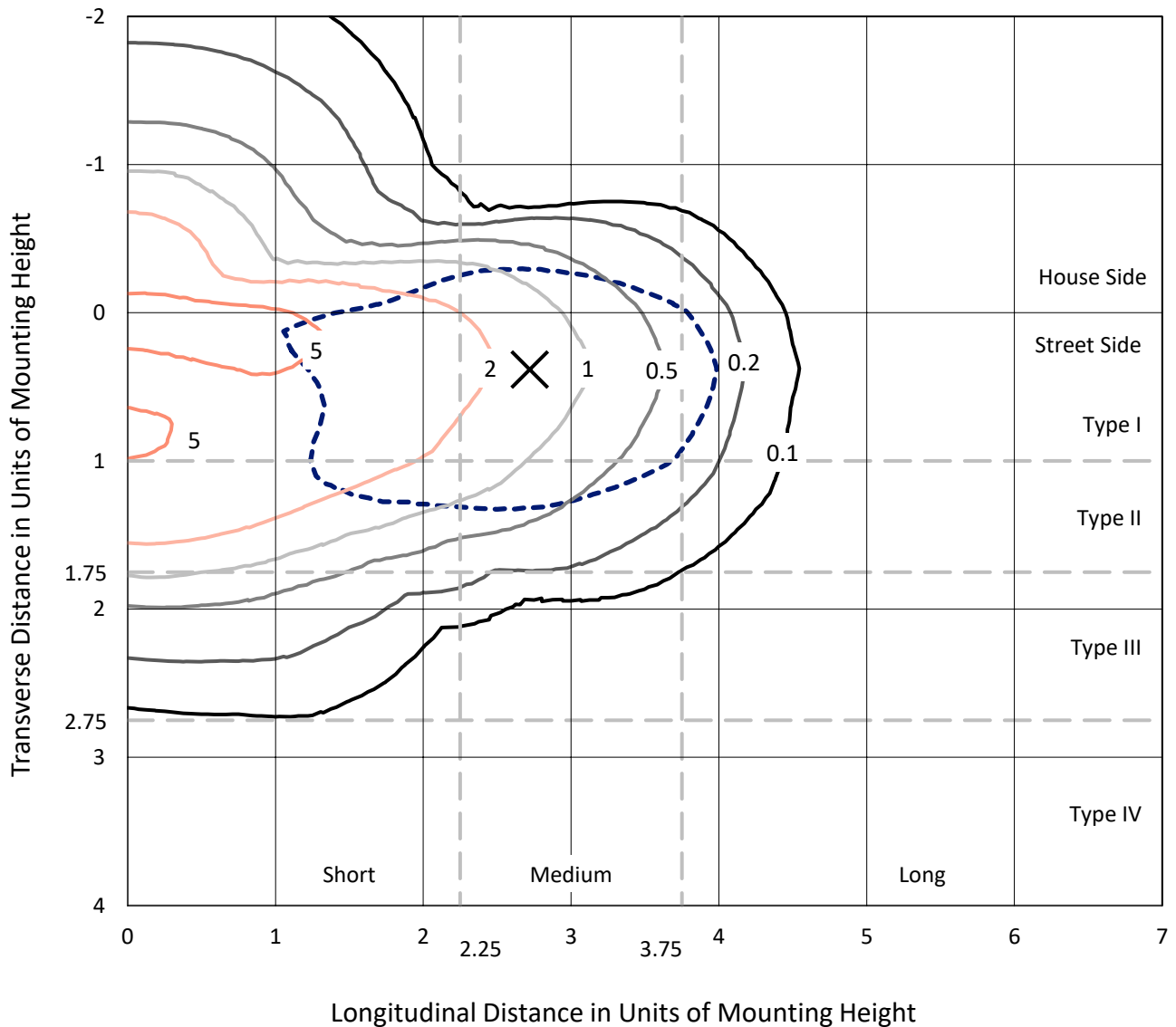
Input Watts (W): 170.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

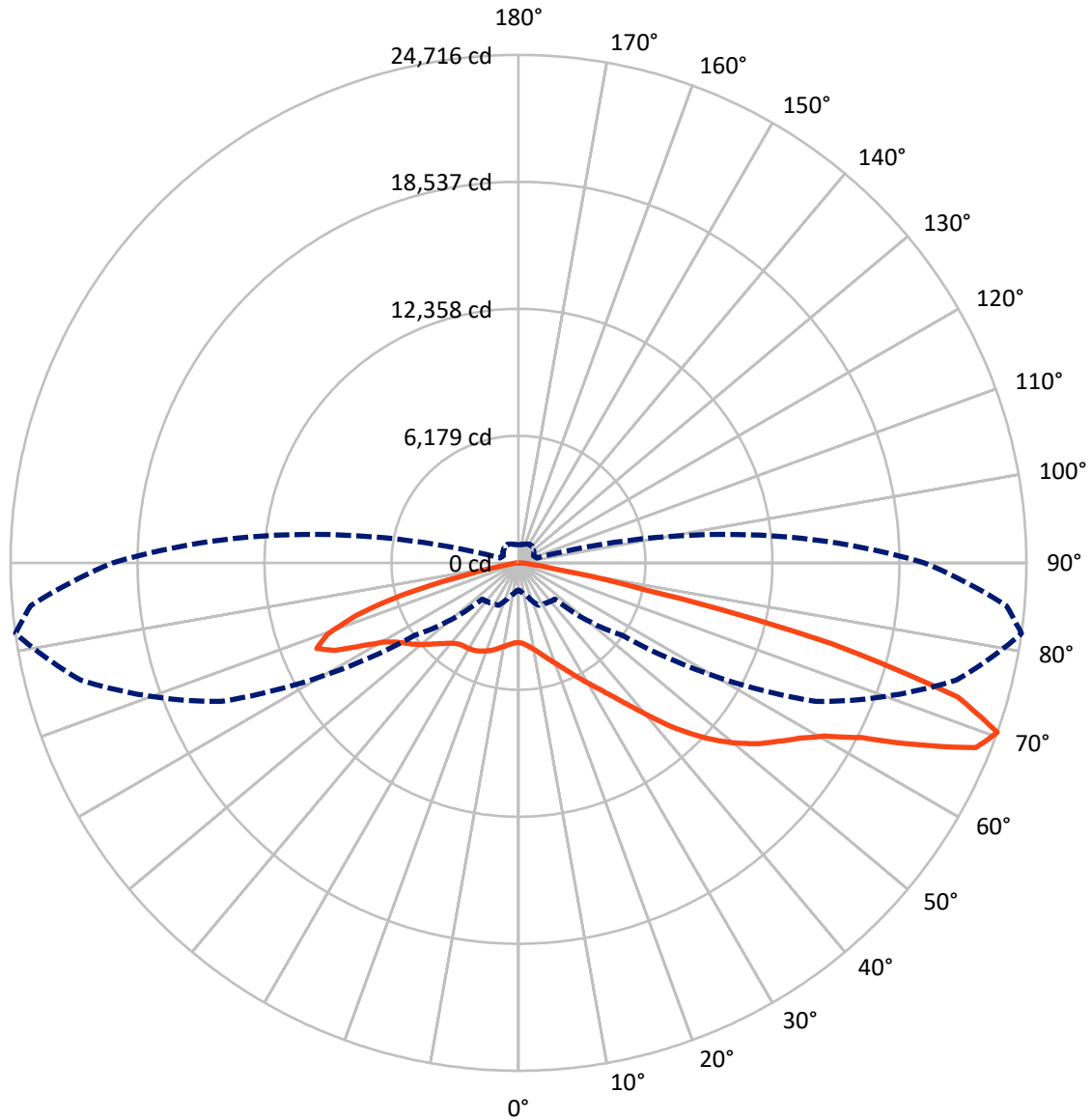
× Max cd  
 - - - 1/2 Max cd



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
<b>House Side</b>	Lumens	6520.3	0.0	6520.3
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	19928.7	0.0	19928.7
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	26449.0	0.0	26449.0
	% 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°	2749.2	10.4
40°-50°	4378.4	16.6
50°-60°	6093.0	23.0
60°-70°	6373.6	24.1
70°-80°	3331.2	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°	26449.0	100.0
0°-180°	26449.0	100.0

**Coefficient of Utilization**

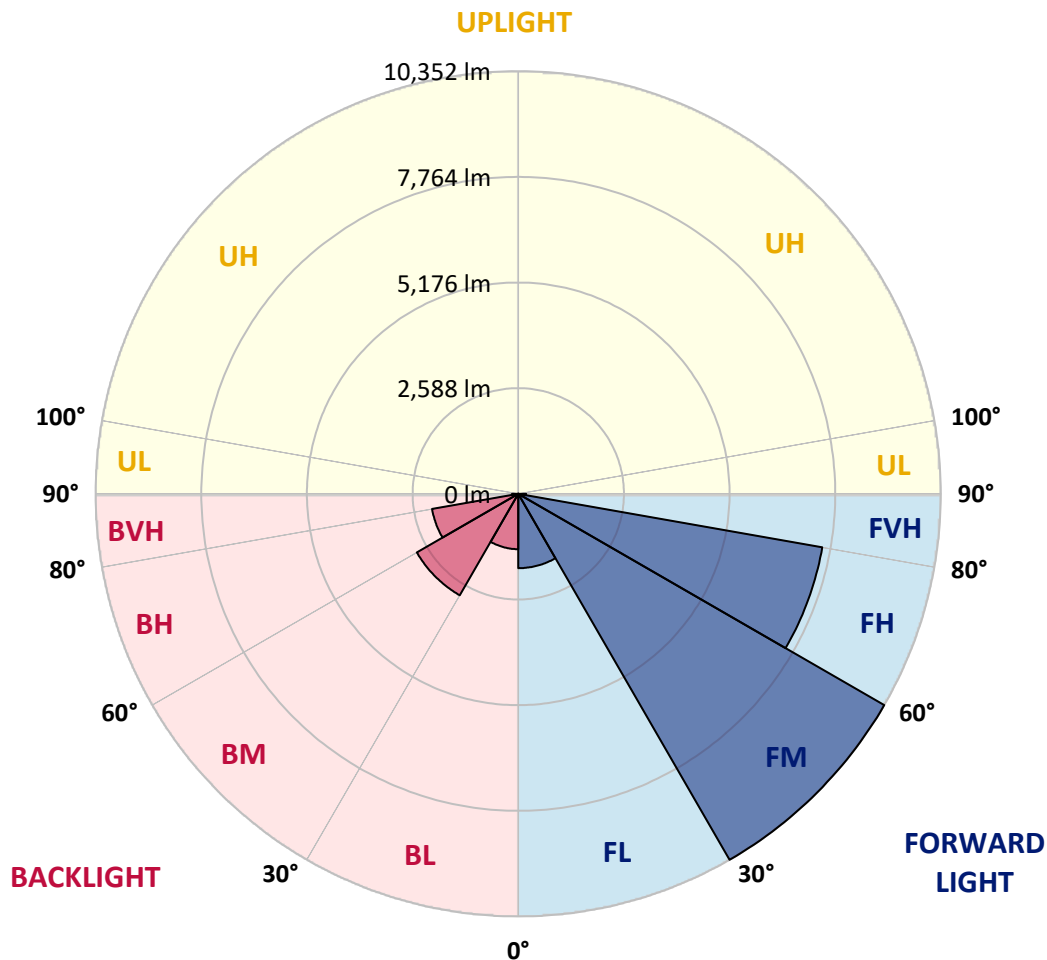


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1821.3	6.9			
FM (30°-60°)	10351.9	39.1			
FH (60°-80°)	7561.9	28.6			G4/12000
FVH (80°-90°)	193.6	0.7			G2/225
BL (0°-30°)	1356.5	5.1	B3/2500		
BM (30°-60°)	2868.7	10.8	B3/5000		
BH (60°-80°)	2142.9	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°	3877.8	3877.8	3877.8	3877.8	3877.8	3877.8	3877.8	3877.8	3877.8	3877.8
2.5°	3970.4	3992.8	3985.8	3978.8	3978.8	3969.0	3967.6	3953.5	3942.3	3924.1
5°	4020.9	4044.8	4042.0	4047.6	4065.8	4070.0	4074.2	4065.8	4043.4	4020.9
7.5°	3976.0	4002.7	4011.1	4044.8	4100.9	4151.4	4189.3	4204.8	4183.7	4151.4
10°	3824.4	3853.9	3883.4	3963.4	4063.0	4182.3	4283.4	4343.7	4339.5	4308.6
12.5°	3517.1	3547.9	3611.1	3766.9	3949.3	4159.8	4347.9	4474.2	4517.7	4495.3
15°	3271.5	3298.1	3345.8	3505.8	3743.0	4063.0	4371.8	4617.4	4728.2	4715.6
17.5°	3264.4	3275.7	3305.1	3380.9	3563.4	3911.4	4346.5	4757.7	4969.6	4968.2
20°	3387.9	3392.2	3409.0	3424.4	3528.3	3796.4	4282.0	4874.2	5240.5	5240.5
22.5°	3559.2	3556.4	3573.2	3559.2	3609.7	3786.5	4241.2	4976.7	5542.3	5564.7
25°	3816.0	3802.0	3797.8	3765.5	3775.3	3877.8	4286.2	5093.1	5900.1	5946.5
27.5°	4158.4	4136.0	4120.6	4046.2	4020.9	4065.8	4423.7	5233.5	6298.7	6378.7
30°	4604.7	4564.0	4541.6	4412.5	4321.2	4328.3	4631.4	5420.2	6715.5	6844.7
32.5°	5213.8	5150.7	5090.3	4878.4	4711.4	4656.7	4899.5	5678.4	7167.5	7373.8
35°	5895.9	5845.4	5780.8	5453.8	5197.0	5070.7	5261.6	6039.1	7696.6	8023.6
37.5°	6552.7	6509.2	6540.1	6099.4	5768.2	5584.4	5735.9	6523.3	8349.2	8832.0
40°	7232.0	7198.3	7202.5	6781.5	6395.6	6189.2	6311.4	7131.0	9097.2	9793.3
42.5°	7970.2	7945.0	7860.8	7487.4	7053.8	6861.5	6973.8	7832.7	9900.0	10888.0
45°	8796.9	8781.4	8702.8	8274.8	7778.0	7561.8	7713.4	8607.4	10707.0	11918.2
47.5°	9511.2	9523.9	9514.0	9153.4	8638.3	8321.1	8502.1	9415.8	11457.8	12886.6
50°	9855.1	9921.0	10017.9	9905.6	9585.6	9262.8	9297.9	10196.1	12173.6	13794.6
52.5°	9675.4	9800.3	10064.2	10243.8	10367.3	10300.0	10205.9	10970.8	12847.3	14614.2
55°	9006.0	9181.4	9619.3	10053.0	10683.1	11172.9	11296.4	11829.7	13504.1	15335.6
57.5°	7786.4	8071.3	8464.3	9341.4	10402.4	11595.4	12568.0	13021.3	14200.2	16106.1
60°	5695.2	6077.0	6565.4	7870.6	9420.0	11369.4	13650.0	14851.4	15189.6	17103.9
62.5°	3644.8	3880.6	4329.7	5559.1	7340.1	10211.6	13981.2	17139.0	16866.8	18740.4
65°	2495.3	2646.9	3058.1	3748.6	4745.1	7601.1	13094.3	18854.1	19530.5	21334.0
67.5°	1813.3	1928.4	2279.2	2884.1	3091.8	4498.1	10161.0	18775.5	22119.9	24006.1
70°	1322.1	1403.5	1698.2	2279.2	2378.9	2502.4	6155.6	15960.1	22063.8	24716.3
72.5°	979.6	1035.8	1233.6	1768.4	1925.5	1689.8	3046.9	11599.6	18959.3	22355.7
75°	708.7	750.8	896.8	1352.9	1541.0	1287.0	1519.9	6778.7	13224.8	15725.7
77.5°	541.7	574.0	669.4	990.8	1233.6	965.6	943.1	3118.5	6270.6	6301.5
80°	435.1	456.1	508.1	697.5	945.9	722.8	614.7	1258.9	1981.7	1677.1
82.5°	320.0	355.1	429.5	489.8	676.5	498.2	374.7	635.8	753.7	648.4
85°	182.4	206.3	259.6	350.9	432.3	304.6	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°
3877.8	0°	3877.8	3877.8	3877.8	3877.8	3877.8	3877.8	3877.8	3877.8	3877.8	3877.8
3919.9	2.5°	3905.8	3898.8	3870.7	3832.8	3793.5	3755.7	3743.0	3716.4	3698.1	3688.3
4011.1	5°	3984.4	3962.0	3896.0	3811.8	3723.4	3627.9	3560.6	3498.8	3453.9	3411.8
4136.0	7.5°	4096.7	4057.4	3943.7	3796.4	3639.2	3480.6	3362.7	3272.9	3212.5	3173.2
4282.0	10°	4227.2	4166.9	3992.8	3772.5	3529.7	3302.3	3163.4	3086.2	3048.3	3027.3
4449.0	12.5°	4377.4	4291.8	4043.4	3717.8	3362.7	3103.0	3007.6	2985.2	2986.6	2988.0
4659.5	15°	4562.6	4443.3	4084.1	3598.5	3145.1	2950.1	2933.2	2969.7	3007.6	3025.9
4898.1	17.5°	4771.8	4603.3	4091.1	3402.0	2931.8	2851.8	2905.2	2983.8	3041.3	3066.6
5164.7	20°	4996.3	4766.1	4040.6	3124.1	2756.4	2771.8	2867.3	2968.3	3031.5	3063.7
5469.3	22.5°	5253.1	4940.2	3919.9	2832.2	2613.2	2684.8	2797.1	2895.3	2961.3	2993.6
5827.2	25°	5546.5	5135.3	3730.4	2586.6	2489.7	2586.6	2698.8	2780.3	2833.6	2863.1
6227.1	27.5°	5872.1	5338.8	3477.8	2391.5	2381.7	2485.5	2578.2	2641.3	2669.4	2691.8
6652.4	30°	6199.1	5524.0	3171.8	2244.1	2287.6	2385.9	2451.8	2479.9	2488.3	2492.5
7126.8	32.5°	6552.7	5684.0	2850.4	2122.0	2197.8	2289.0	2328.3	2341.0	2301.7	2275.0
7702.2	35°	6980.8	5855.2	2536.0	2025.2	2109.4	2188.0	2200.6	2189.4	2143.1	2088.3
8423.6	37.5°	7509.9	6068.6	2284.8	1956.4	2026.6	2078.5	2063.1	2060.3	2064.5	1999.9
9290.9	40°	8158.3	6346.4	2101.0	1903.1	1959.2	1970.5	1926.9	1950.8	1971.9	1873.6
10242.4	42.5°	8878.3	6681.9	1984.5	1866.6	1903.1	1876.4	1809.1	1835.7	1832.9	1703.8
11198.2	45°	9612.3	7046.8	1943.8	1839.9	1851.2	1797.8	1723.4	1730.5	1671.5	1555.0
12114.6	47.5°	10342.1	7438.3	1969.1	1817.5	1786.6	1726.3	1668.7	1637.8	1550.8	1463.8
12993.2	50°	11057.8	7849.5	2061.7	1772.6	1698.2	1663.1	1621.0	1566.3	1473.6	1399.2
13824.1	52.5°	11721.7	8263.6	2165.5	1698.2	1587.3	1608.4	1581.7	1518.5	1427.3	1351.5
14610.0	55°	12350.4	8677.6	2206.2	1595.7	1483.5	1560.6	1545.2	1428.7	1319.3	1257.5
15432.4	57.5°	13035.3	9175.8	2161.3	1465.2	1399.2	1505.9	1447.0	1317.8	1254.7	1208.4
16503.3	60°	13984.1	9957.5	2064.5	1303.8	1319.3	1424.5	1323.5	1270.1	1201.4	1149.4
18108.8	62.5°	15560.1	11415.7	1908.7	1143.8	1225.2	1303.8	1264.5	1211.2	1141.0	1090.5
20854.0	65°	17889.9	13442.3	1615.4	1018.9	1120.0	1185.9	1201.4	1148.0	1075.0	1021.7
23259.5	67.5°	19854.7	14713.9	1222.4	915.1	1011.9	1090.5	1134.0	1082.1	1004.9	952.9
23822.3	70°	19746.7	13790.4	933.3	812.6	916.5	996.5	1052.6	1011.9	929.1	880.0
21638.5	72.5°	17539.0	11536.4	755.1	708.7	819.6	898.2	965.6	934.7	850.5	802.8
15852.1	75°	12885.1	8189.2	603.5	603.5	698.9	795.8	870.1	850.5	773.3	739.6
6655.2	77.5°	5431.4	3435.7	473.0	501.0	581.0	683.5	776.1	783.1	715.8	757.9
1759.9	80°	1444.2	947.3	360.7	394.4	456.1	564.2	675.1	672.3	599.3	560.0
654.0	82.5°	550.2	373.3	256.8	277.9	329.8	432.3	534.7	551.6	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	306.0
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



180°
3877.8
3699.5
3428.6
3181.6
3032.9
2990.8
3024.5
3072.2
3072.2
3002.0
2871.5
2700.3
2502.4
2283.4
2091.2
2004.1
1876.4
1702.4
1559.2
1463.8
1393.6
1352.9
1251.9
1204.2
1146.6
1090.5
1024.5
954.4
884.2
802.8
729.8
687.7
520.7
414.0
315.8
182.4
0.0

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