

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: P849806

Luminaire Tested: **GLAN-SB7A-735-U-T2**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849806  
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-SB7A-735-U-T2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 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: 31018 lumens  
Efficiency: N/A  
Efficacy: 155.8 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

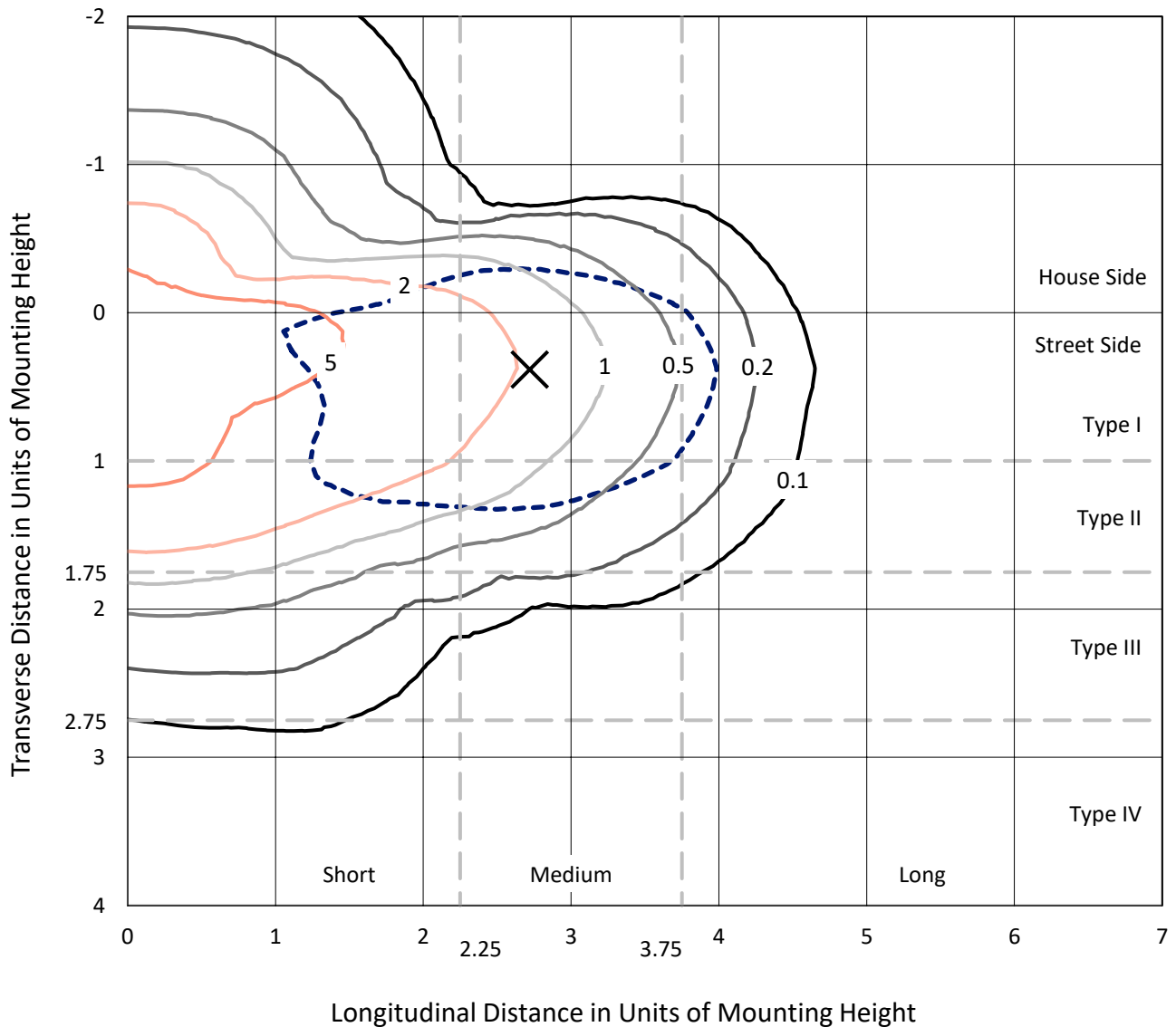
Input Watts (W): 199.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

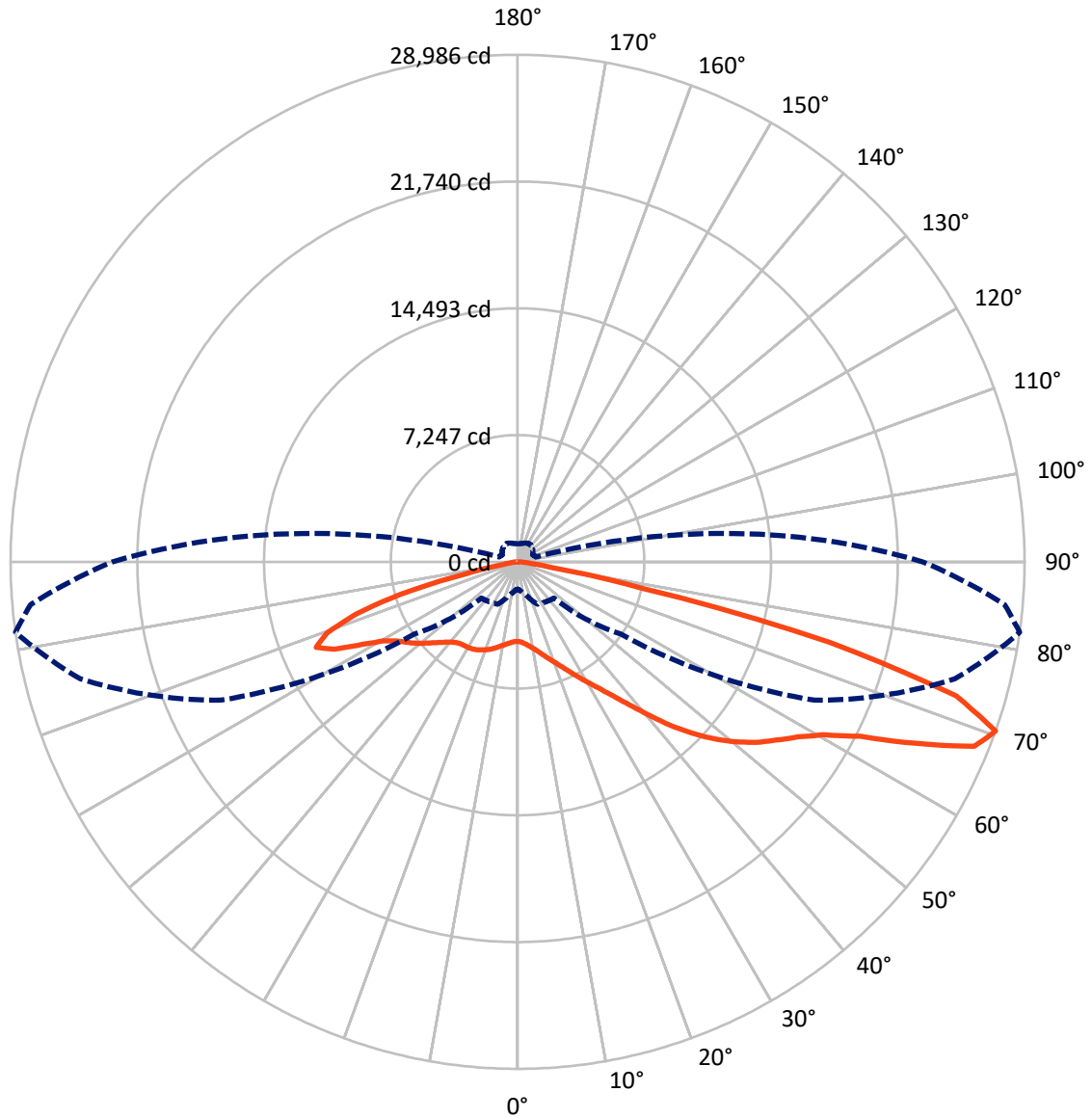
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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	7646.7	0.0	7646.7
	% Fixture	24.7	0.0	24.7
<b>Street Side</b>	Lumens	23371.3	0.0	23371.3
	% Fixture	75.3	0.0	75.3
<b>Total</b>	Lumens	31018.0	0.0	31018.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	429.4	1.4
10°-20°	1233.6	4.0
20°-30°	2063.7	6.7
30°-40°	3224.1	10.4
40°-50°	5134.7	16.6
50°-60°	7145.6	23.0
60°-70°	7474.6	24.1
70°-80°	3906.6	12.6
80°-90°	405.7	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°	31018.0	100.0
0°-180°	31018.0	100.0

**Coefficient of Utilization**

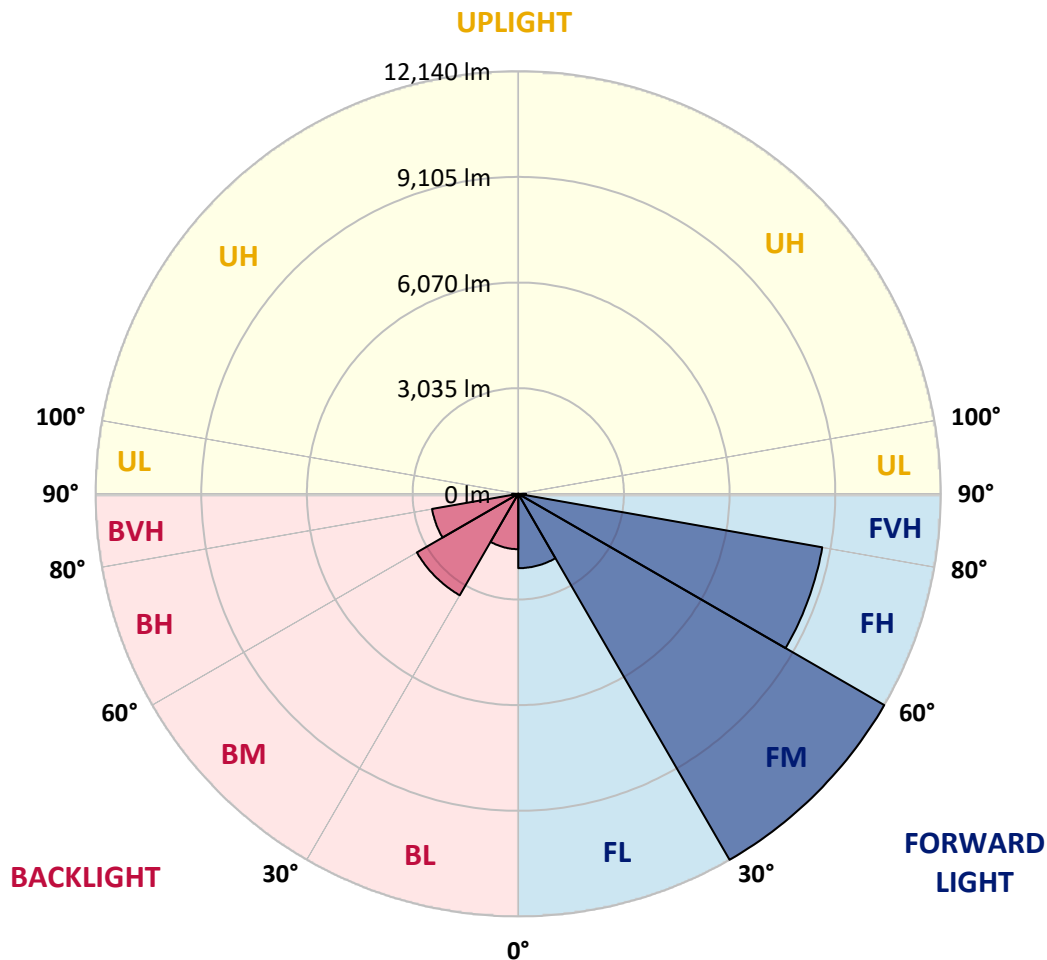


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2135.9	6.9			
FM (30°-60°)	12140.1	39.1			
FH (60°-80°)	8868.1	28.6			G4/12000
FVH (80°-90°)	227.1	0.7			G3/500
BL (0°-30°)	1590.8	5.1	B3/2500		
BM (30°-60°)	3364.2	10.8	B3/5000		
BH (60°-80°)	2513.1	8.1	B4/5000		G4/5000
BVH (80°-90°)	178.6	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°	4547.6	4547.6	4547.6	4547.6	4547.6	4547.6	4547.6	4547.6	4547.6	4547.6
2.5°	4656.3	4682.6	4674.4	4666.1	4666.1	4654.6	4653.0	4636.5	4623.3	4601.9
5°	4715.5	4743.5	4740.2	4746.8	4768.2	4773.1	4778.1	4768.2	4741.8	4715.5
7.5°	4662.8	4694.1	4704.0	4743.5	4809.3	4868.6	4913.0	4931.1	4906.4	4868.6
10°	4485.1	4519.6	4554.2	4648.0	4764.9	4904.8	5023.3	5094.1	5089.1	5052.9
12.5°	4124.6	4160.8	4234.9	4417.6	4631.6	4878.5	5099.0	5247.1	5298.2	5271.8
15°	3836.6	3867.9	3923.8	4111.5	4389.6	4764.9	5127.0	5415.0	5545.0	5530.2
17.5°	3828.4	3841.5	3876.1	3965.0	4178.9	4587.1	5097.4	5579.6	5828.1	5826.5
20°	3973.2	3978.1	3997.9	4016.0	4137.8	4452.2	5021.6	5716.2	6145.8	6145.8
22.5°	4174.0	4170.7	4190.5	4174.0	4233.3	4440.6	4973.9	5836.4	6499.7	6526.0
25°	4475.2	4458.7	4453.8	4416.0	4427.5	4547.6	5026.6	5973.0	6919.4	6973.7
27.5°	4876.8	4850.5	4832.4	4745.1	4715.5	4768.2	5187.9	6137.6	7386.8	7480.6
30°	5400.2	5352.5	5326.1	5174.7	5067.7	5076.0	5431.5	6356.5	7875.6	8027.1
32.5°	6114.5	6040.5	5969.7	5721.2	5525.3	5461.1	5745.8	6659.3	8405.6	8647.6
35°	6914.4	6855.2	6779.5	6396.0	6094.8	5946.6	6170.5	7082.3	9026.1	9409.6
37.5°	7684.7	7633.7	7669.9	7153.1	6764.7	6549.0	6726.8	7650.2	9791.5	10357.7
40°	8481.3	8441.8	8446.8	7953.0	7500.4	7258.4	7401.6	8362.8	10668.7	11485.1
42.5°	9347.1	9317.5	9218.7	8780.9	8272.3	8046.8	8178.5	9185.8	11610.2	12768.9
45°	10316.5	10298.4	10206.2	9704.2	9121.6	8868.1	9045.9	10094.3	12556.6	13977.0
47.5°	11154.3	11169.1	11157.6	10734.6	10130.5	9758.6	9970.9	11042.4	13437.1	15112.7
50°	11557.5	11634.9	11748.4	11616.8	11241.5	10863.0	10904.1	11957.5	14276.6	16177.6
52.5°	11346.8	11493.3	11802.8	12013.4	12158.3	12079.3	11969.0	12866.0	15066.6	17138.8
55°	10561.8	10767.5	11281.0	11789.6	12528.6	13103.0	13247.9	13873.3	15836.9	17984.8
57.5°	9131.5	9465.6	9926.4	10955.1	12199.4	13598.4	14739.1	15270.7	16653.2	18888.4
60°	6679.1	7126.8	7699.5	9230.2	11047.3	13333.5	16008.0	17416.9	17813.6	20058.6
62.5°	4274.4	4550.9	5077.6	6519.4	8608.1	11975.6	16396.5	20099.8	19780.4	21977.7
65°	2926.4	3104.2	3586.4	4396.2	5564.8	8914.2	15356.3	22111.0	22904.4	25019.4
67.5°	2126.5	2261.5	2672.9	3382.3	3625.9	5275.1	11916.3	22018.9	25941.1	28153.2
70°	1550.4	1645.9	1991.5	2672.9	2789.8	2934.6	7218.9	18717.2	25875.2	28986.0
72.5°	1148.8	1214.7	1446.7	2073.8	2258.2	1981.7	3573.3	13603.4	22234.5	26217.6
75°	831.2	880.6	1051.7	1586.6	1807.2	1509.3	1782.5	7949.7	15509.3	18442.3
77.5°	635.3	673.2	785.1	1162.0	1446.7	1132.4	1106.0	3657.2	7353.9	7390.1
80°	510.2	534.9	595.8	818.0	1109.3	847.6	720.9	1476.4	2324.0	1966.9
82.5°	375.3	416.4	503.6	574.4	793.3	584.3	439.5	745.6	883.8	760.4
85°	214.0	241.9	304.5	411.5	506.9	357.2	251.8	330.8	411.5	337.4
87.5°	75.7	98.8	107.0	161.3	220.6	148.1	97.1	95.5	135.0	100.4
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°
4547.6	0°	4547.6	4547.6	4547.6	4547.6	4547.6	4547.6	4547.6	4547.6	4547.6	4547.6
4597.0	2.5°	4580.5	4572.3	4539.4	4495.0	4448.9	4404.4	4389.6	4358.3	4337.0	4325.4
4704.0	5°	4672.7	4646.4	4569.0	4470.3	4366.6	4254.7	4175.7	4103.2	4050.6	4001.2
4850.5	7.5°	4804.4	4758.3	4625.0	4452.2	4267.8	4081.8	3943.6	3838.2	3767.5	3721.4
5021.6	10°	4957.5	4886.7	4682.6	4424.2	4139.4	3872.8	3709.9	3619.3	3574.9	3550.2
5217.5	12.5°	5133.6	5033.2	4741.8	4360.0	3943.6	3639.1	3527.2	3500.8	3502.5	3504.1
5464.4	15°	5350.8	5210.9	4789.6	4220.1	3688.5	3459.7	3439.9	3482.7	3527.2	3548.6
5744.2	17.5°	5596.1	5398.6	4797.8	3989.7	3438.3	3344.5	3407.0	3499.2	3566.7	3596.3
6056.9	20°	5859.4	5589.5	4738.6	3663.8	3232.6	3250.7	3362.6	3481.1	3555.1	3593.0
6414.1	22.5°	6160.6	5793.6	4597.0	3321.4	3064.7	3148.6	3280.3	3395.5	3472.9	3510.7
6833.8	25°	6504.6	6022.4	4374.8	3033.4	2919.8	3033.4	3165.1	3260.5	3323.1	3357.6
7302.9	27.5°	6886.5	6261.0	4078.5	2804.6	2793.1	2914.9	3023.5	3097.6	3130.5	3156.8
7801.6	30°	7269.9	6478.3	3719.7	2631.8	2682.8	2798.0	2875.4	2908.3	2918.2	2923.1
8357.9	32.5°	7684.7	6665.9	3342.8	2488.6	2577.5	2684.5	2730.6	2745.4	2699.3	2668.0
9032.7	35°	8186.7	6866.7	2974.1	2375.0	2473.8	2566.0	2580.8	2567.6	2513.3	2449.1
9878.7	37.5°	8807.2	7116.9	2679.5	2294.4	2376.7	2437.6	2419.5	2416.2	2421.1	2345.4
10895.9	40°	9567.6	7442.8	2463.9	2231.8	2297.7	2310.8	2259.8	2287.8	2312.5	2197.3
12011.8	42.5°	10412.0	7836.1	2327.3	2189.0	2231.8	2200.6	2121.6	2152.8	2149.5	1998.1
13132.7	45°	11272.8	8264.1	2279.6	2157.8	2170.9	2108.4	2021.2	2029.4	1960.3	1823.7
14207.4	47.5°	12128.7	8723.3	2309.2	2131.4	2095.2	2024.5	1957.0	1920.8	1818.7	1716.7
15237.8	50°	12968.1	9205.5	2417.8	2078.8	1991.5	1950.4	1901.0	1836.8	1728.2	1641.0
16212.1	52.5°	13746.6	9691.1	2539.6	1991.5	1861.5	1886.2	1854.9	1780.9	1673.9	1585.0
17133.8	55°	14483.9	10176.6	2587.4	1871.4	1739.7	1830.2	1812.1	1675.5	1547.1	1474.7
18098.3	57.5°	15287.1	10760.9	2534.7	1718.3	1641.0	1766.1	1696.9	1545.5	1471.4	1417.1
19354.2	60°	16399.8	11677.7	2421.1	1529.0	1547.1	1670.6	1552.1	1489.5	1408.9	1348.0
21237.1	62.5°	18248.1	13387.8	2238.4	1341.4	1436.9	1529.0	1483.0	1420.4	1338.1	1278.9
24456.5	65°	20980.3	15764.4	1894.4	1194.9	1313.4	1390.8	1408.9	1346.3	1260.8	1198.2
27277.5	67.5°	23284.6	17255.6	1433.6	1073.1	1186.7	1278.9	1329.9	1269.0	1178.5	1117.6
27937.5	70°	23157.8	16172.6	1094.5	953.0	1074.8	1168.6	1234.4	1186.7	1089.6	1032.0
25376.5	72.5°	20568.8	13529.3	885.5	831.2	961.2	1053.4	1132.4	1096.2	997.4	941.5
18590.5	75°	15111.0	9603.8	707.7	707.7	819.7	933.2	1020.5	997.4	906.9	867.4
7804.9	77.5°	6369.6	4029.2	554.7	587.6	681.4	801.6	910.2	918.4	839.4	888.8
2064.0	80°	1693.6	1111.0	423.0	462.5	534.9	661.7	791.7	788.4	702.8	656.7
767.0	82.5°	645.2	437.8	301.2	325.9	386.8	506.9	627.1	646.8	561.3	485.5
301.2	85°	248.5	187.6	186.0	195.9	225.5	335.8	474.0	490.5	423.0	358.8
83.9	87.5°	64.2	56.0	69.1	65.8	103.7	179.4	271.6	281.4	258.4	149.8
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>
4547.6
4338.6
4020.9
3731.3
3556.8
3507.4
3546.9
3602.9
3602.9
3520.6
3367.5
3166.7
2934.6
2677.9
2452.4
2350.3
2200.6
1996.5
1828.6
1716.7
1634.4
1586.6
1468.1
1412.2
1344.7
1278.9
1201.5
1119.2
1036.9
941.5
855.9
806.5
610.6
485.5
370.3
214.0
0.0

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