

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: P850236

Luminaire Tested: **GLAN-SB7C-927-U-T2**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850236
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-SB7C-927-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33984 lumens
Efficiency: N/A
Efficacy: 97.0 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

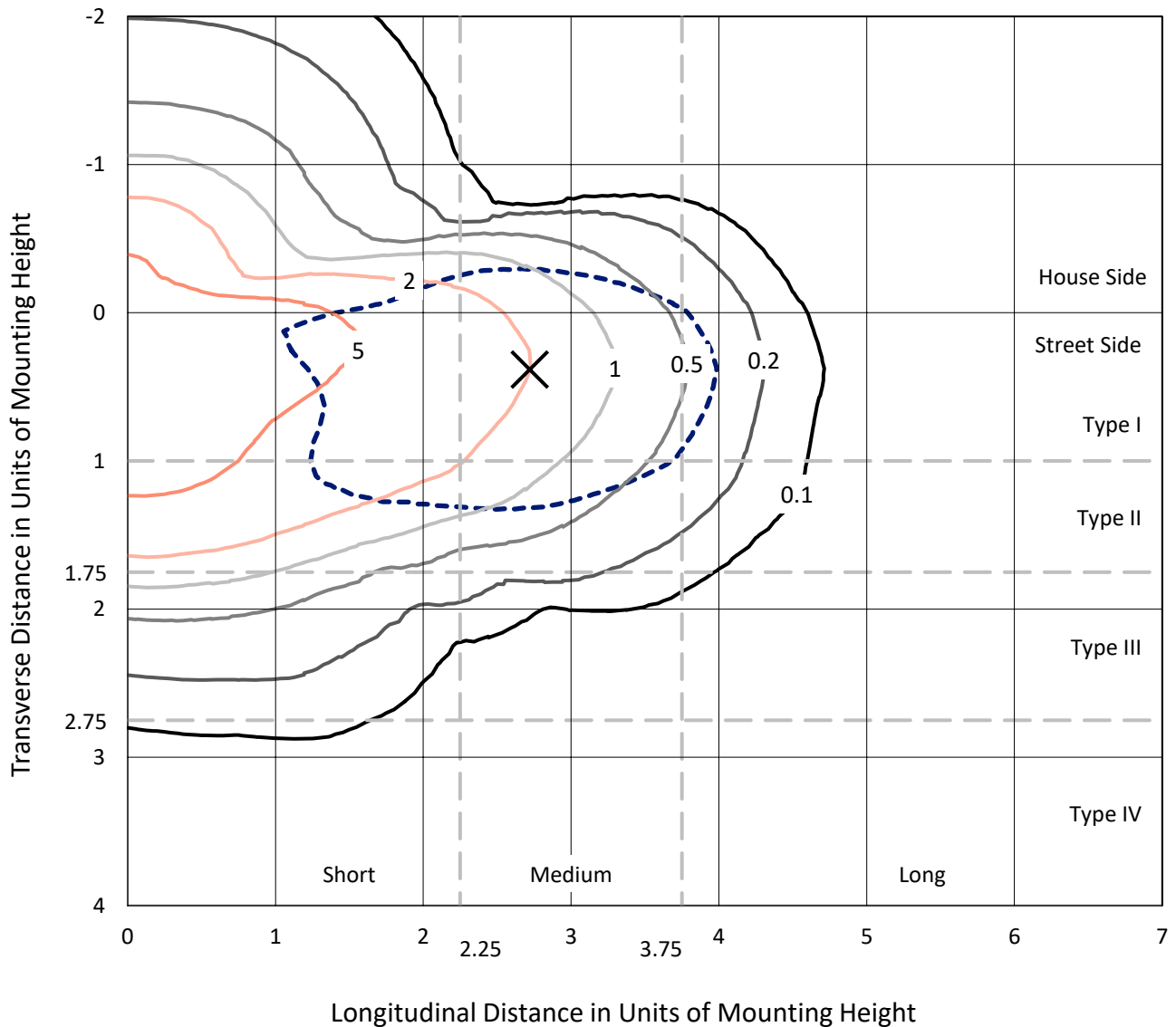
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

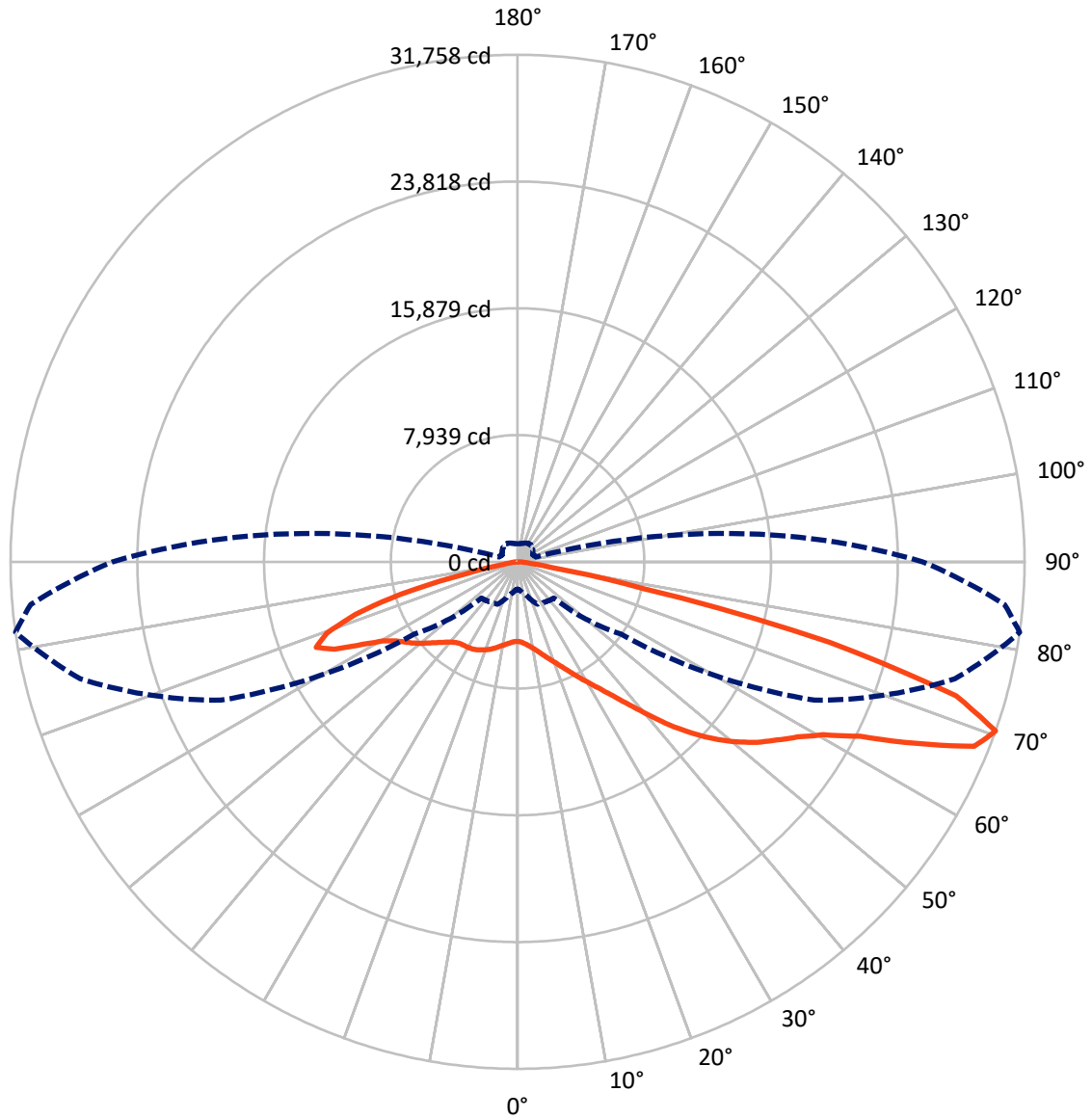
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	8377.9	0.0	8377.9
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	25606.1	0.0	25606.1
	% Fixture	75.3	0.0	75.3
Total	Lumens	33984.0	0.0	33984.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.4	1.4
10°-20°	1351.6	4.0
20°-30°	2261.1	6.7
30°-40°	3532.4	10.4
40°-50°	5625.7	16.6
50°-60°	7828.9	23.0
60°-70°	8189.3	24.1
70°-80°	4280.2	12.6
80°-90°	444.4	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°	33984.0	100.0
0°-180°	33984.0	100.0

Coefficient of Utilization

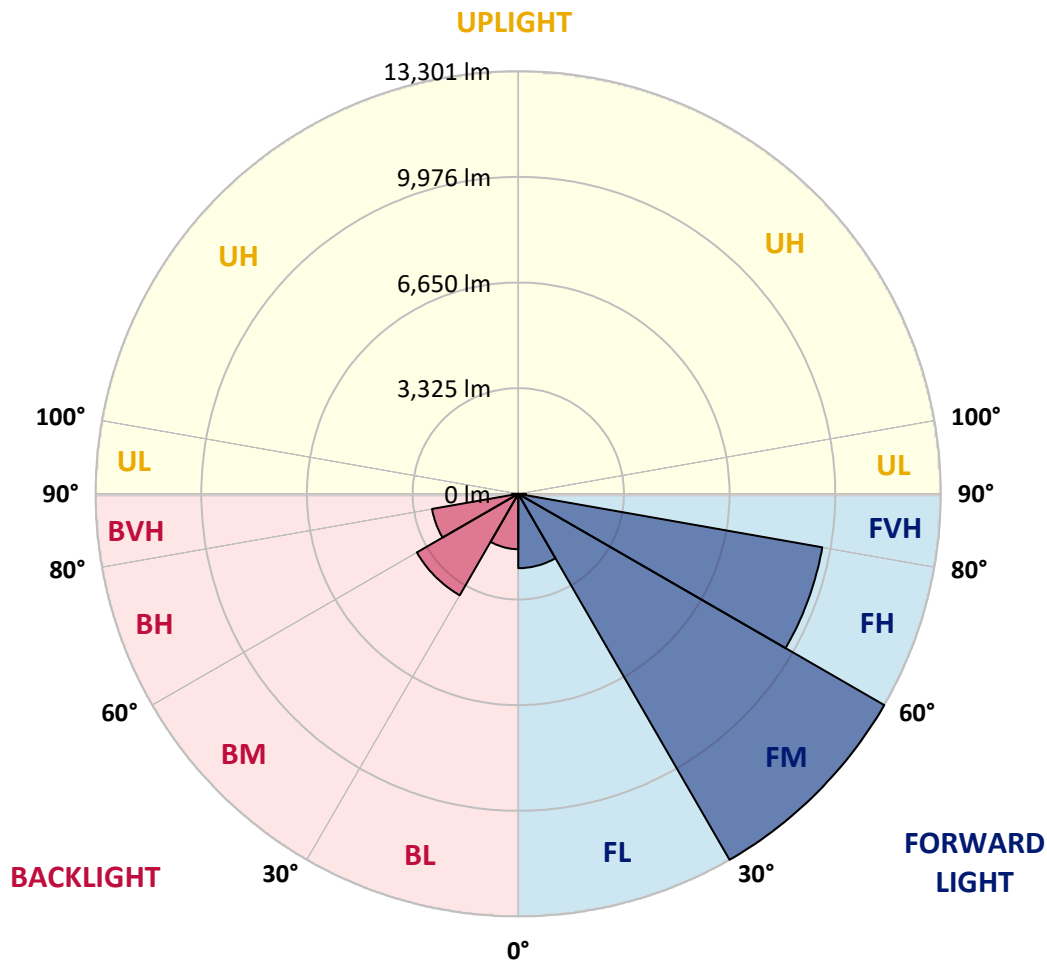


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2340.2	6.9			
FM (30°-60°)	13301.0	39.1			
FH (60°-80°)	9716.1	28.6			G4/12000
FVH (80°-90°)	248.8	0.7			G3/500
BL (0°-30°)	1742.9	5.1	B3/2500		
BM (30°-60°)	3685.9	10.8	B3/5000		
BH (60°-80°)	2753.4	8.1	B4/5000		G4/5000
BVH (80°-90°)	195.6	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°	4982.5	4982.5	4982.5	4982.5	4982.5	4982.5	4982.5	4982.5	4982.5	4982.5
2.5°	5101.5	5130.3	5121.3	5112.3	5112.3	5099.7	5097.9	5079.9	5065.4	5042.0
5°	5166.4	5197.1	5193.5	5200.7	5224.1	5229.5	5234.9	5224.1	5195.3	5166.4
7.5°	5108.7	5143.0	5153.8	5197.1	5269.2	5334.1	5382.8	5402.6	5375.6	5334.1
10°	4914.0	4951.8	4989.7	5092.5	5220.5	5373.8	5503.6	5581.2	5575.8	5536.1
12.5°	4519.0	4558.7	4639.9	4840.0	5074.4	5344.9	5586.6	5748.9	5804.8	5775.9
15°	4203.5	4237.7	4299.0	4504.6	4809.4	5220.5	5617.2	5932.8	6075.3	6059.0
17.5°	4194.4	4208.9	4246.7	4344.1	4578.5	5025.8	5584.8	6113.1	6385.4	6383.6
20°	4353.1	4358.5	4380.2	4400.0	4533.5	4877.9	5501.8	6262.8	6733.5	6733.5
22.5°	4573.1	4569.5	4591.2	4573.1	4638.1	4865.3	5449.5	6394.5	7121.2	7150.0
25°	4903.1	4885.1	4879.7	4838.2	4850.8	4982.5	5507.2	6544.1	7581.0	7640.5
27.5°	5343.1	5314.3	5294.4	5198.9	5166.4	5224.1	5684.0	6724.5	8093.1	8195.9
30°	5916.6	5864.3	5835.4	5669.5	5552.3	5561.3	5950.8	6964.3	8628.7	8794.6
32.5°	6699.2	6618.1	6540.5	6268.2	6053.6	5983.3	6295.3	7296.1	9209.4	9474.5
35°	7575.6	7510.7	7427.7	7007.6	6677.6	6515.3	6760.5	7759.5	9889.2	10309.4
37.5°	8419.5	8363.6	8403.3	7837.1	7411.5	7175.3	7370.0	8381.7	10727.7	11348.1
40°	9292.3	9249.1	9254.5	8713.5	8217.6	7952.5	8109.4	9162.5	11688.9	12583.3
42.5°	10240.9	10208.4	10100.2	9620.5	9063.3	8816.3	8960.5	10064.1	12720.4	13989.9
45°	11303.0	11283.2	11182.2	10632.2	9993.8	9716.1	9910.9	11059.6	13757.3	15313.5
47.5°	12220.9	12237.1	12224.5	11761.0	11099.2	10691.7	10924.3	12098.2	14722.0	16557.8
50°	12662.7	12747.4	12871.9	12727.6	12316.4	11901.7	11946.8	13100.9	15641.7	17724.5
52.5°	12431.9	12592.3	12931.4	13162.2	13320.9	13234.3	13113.5	14096.3	16507.3	18777.6
55°	11571.7	11797.1	12359.7	12916.9	13726.6	14356.0	14514.6	15199.9	17351.2	19704.5
57.5°	10004.6	10370.7	10875.6	12002.7	13366.0	14898.7	16148.4	16730.9	18245.6	20694.5
60°	7317.7	7808.2	8435.8	10112.8	12103.7	14608.4	17538.8	19082.4	19517.0	21976.6
62.5°	4683.1	4986.1	5563.1	7142.8	9431.2	13120.7	17964.3	22021.7	21671.9	24079.3
65°	3206.2	3401.0	3929.4	4816.6	6096.9	9766.6	16824.7	24225.3	25094.5	27411.8
67.5°	2329.8	2477.7	2928.5	3705.8	3972.6	5779.5	13055.8	24124.4	28421.6	30845.2
70°	1698.7	1803.3	2182.0	2928.5	3056.6	3215.3	7909.2	20507.0	28349.5	31757.7
72.5°	1258.7	1330.8	1585.1	2272.1	2474.1	2171.2	3914.9	14904.2	24360.6	28724.5
75°	910.7	964.8	1152.3	1738.4	1980.0	1653.6	1953.0	8709.9	16992.4	20205.8
77.5°	696.1	737.5	860.2	1273.1	1585.1	1240.7	1211.8	4006.9	8057.1	8096.8
80°	559.0	586.1	652.8	896.2	1215.4	928.7	789.8	1617.5	2546.2	2154.9
82.5°	411.1	456.2	551.8	629.3	869.2	640.2	481.5	816.9	968.4	833.1
85°	234.4	265.1	333.6	450.8	555.4	391.3	275.9	362.5	450.8	369.7
87.5°	83.0	108.2	117.2	176.7	241.6	162.3	106.4	104.6	147.9	110.0
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°
4982.5	0°	4982.5	4982.5	4982.5	4982.5	4982.5	4982.5	4982.5	4982.5	4982.5	4982.5
5036.6	2.5°	5018.5	5009.5	4973.5	4924.8	4874.3	4825.6	4809.4	4775.1	4751.7	4739.0
5153.8	5°	5119.5	5090.7	5005.9	4897.7	4784.1	4661.5	4574.9	4495.6	4437.9	4383.8
5314.3	7.5°	5263.8	5213.3	5067.2	4877.9	4675.9	4472.1	4320.7	4205.3	4127.7	4077.2
5501.8	10°	5431.5	5354.0	5130.3	4847.2	4535.3	4243.1	4064.6	3965.4	3916.7	3889.7
5716.4	12.5°	5624.4	5514.4	5195.3	4776.9	4320.7	3987.1	3864.4	3835.6	3837.4	3839.2
5986.9	15°	5862.5	5709.2	5247.6	4623.6	4041.2	3790.5	3768.9	3815.8	3864.4	3887.9
6293.5	17.5°	6131.2	5914.8	5256.6	4371.2	3767.1	3664.3	3732.8	3833.8	3907.7	3940.2
6636.1	20°	6419.7	6124.0	5191.7	4014.1	3541.7	3561.5	3684.1	3813.9	3895.1	3936.6
7027.4	22.5°	6749.7	6347.6	5036.6	3639.0	3357.7	3449.7	3593.9	3720.2	3804.9	3846.4
7487.2	25°	7126.6	6598.2	4793.1	3323.5	3199.0	3323.5	3467.7	3572.3	3640.8	3678.7
8001.2	27.5°	7544.9	6859.7	4468.5	3072.8	3060.2	3193.6	3312.6	3393.8	3429.9	3458.7
8547.6	30°	7965.1	7097.7	4075.4	2883.5	2939.4	3065.6	3150.3	3186.4	3197.2	3202.6
9157.1	32.5°	8419.5	7303.3	3662.5	2726.6	2823.9	2941.2	2991.7	3007.9	2957.4	2923.1
9896.4	35°	8969.5	7523.3	3258.5	2602.1	2710.3	2811.3	2827.6	2813.1	2753.6	2683.3
10823.3	37.5°	9649.4	7797.4	2935.7	2513.8	2603.9	2670.7	2650.8	2647.2	2652.6	2569.7
11937.8	40°	10482.5	8154.5	2699.5	2445.3	2517.4	2531.8	2475.9	2506.6	2533.6	2407.4
13160.4	42.5°	11407.6	8585.4	2549.8	2398.4	2445.3	2411.0	2324.4	2358.7	2355.1	2189.2
14388.4	45°	12350.7	9054.3	2497.6	2364.1	2378.5	2310.0	2214.4	2223.5	2147.7	1998.0
15566.0	47.5°	13288.4	9557.4	2530.0	2335.3	2295.6	2218.0	2144.1	2104.4	1992.6	1880.8
16694.8	50°	14208.1	10085.8	2649.0	2277.6	2182.0	2136.9	2082.8	2012.5	1893.5	1797.9
17762.4	52.5°	15061.0	10617.7	2782.5	2182.0	2039.5	2066.6	2032.3	1951.2	1833.9	1736.6
18772.2	55°	15868.9	11149.7	2834.8	2050.3	1906.1	2005.3	1985.4	1835.7	1695.1	1615.7
19828.9	57.5°	16748.9	11789.9	2777.1	1882.6	1797.9	1934.9	1859.2	1693.3	1612.1	1552.6
21204.8	60°	17967.9	12794.3	2652.6	1675.3	1695.1	1830.3	1700.5	1632.0	1543.6	1476.9
23267.8	62.5°	19993.0	14667.9	2452.5	1469.7	1574.3	1675.3	1624.8	1556.2	1466.1	1401.2
26795.0	65°	22986.5	17271.9	2075.6	1309.2	1439.0	1523.8	1543.6	1475.1	1381.3	1312.8
29885.9	67.5°	25511.1	18905.7	1570.7	1175.7	1300.2	1401.2	1457.1	1390.3	1291.2	1224.4
30609.0	70°	25372.2	17719.1	1199.2	1044.1	1177.5	1280.3	1352.5	1300.2	1193.8	1130.7
27803.1	72.5°	22535.7	14823.0	970.2	910.7	1053.1	1154.1	1240.7	1201.0	1092.8	1031.5
20368.1	75°	16556.0	10522.2	775.4	775.4	898.0	1022.5	1118.0	1092.8	993.6	950.3
8551.2	77.5°	6978.7	4414.4	607.7	643.8	746.6	878.2	997.2	1006.2	919.7	973.8
2261.3	80°	1855.6	1217.2	463.4	506.7	586.1	724.9	867.4	863.8	770.0	719.5
840.3	82.5°	706.9	479.7	330.0	357.1	423.8	555.4	687.1	708.7	614.9	532.0
330.0	85°	272.3	205.6	203.8	214.6	247.1	367.9	519.3	537.4	463.4	393.1
92.0	87.5°	70.3	61.3	75.7	72.1	113.6	196.6	297.5	308.4	283.1	164.1
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>
4982.5
4753.5
4405.4
4088.0
3896.9
3842.8
3886.1
3947.4
3947.4
3857.2
3689.5
3469.5
3215.3
2933.9
2686.9
2575.1
2411.0
2187.4
2003.5
1880.8
1790.7
1738.4
1608.5
1547.2
1473.3
1401.2
1316.4
1226.2
<i>1136.1</i>
1031.5
937.7
883.6
669.0
532.0
405.7
234.4
0.0

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