

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: P851408

Luminaire Tested: **GLAN-SB9B-840-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851408
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9B-840-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 45643 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G5

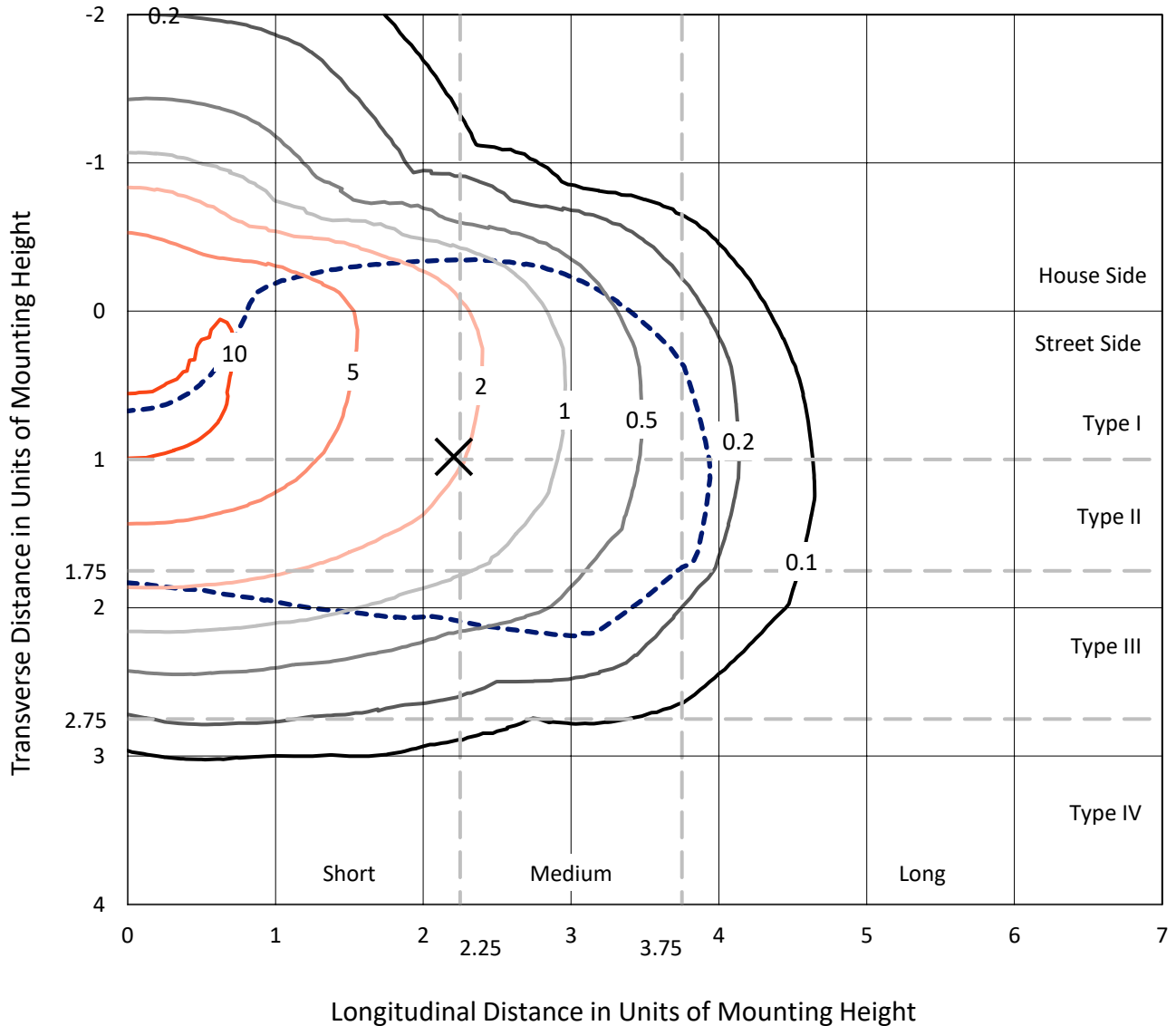
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

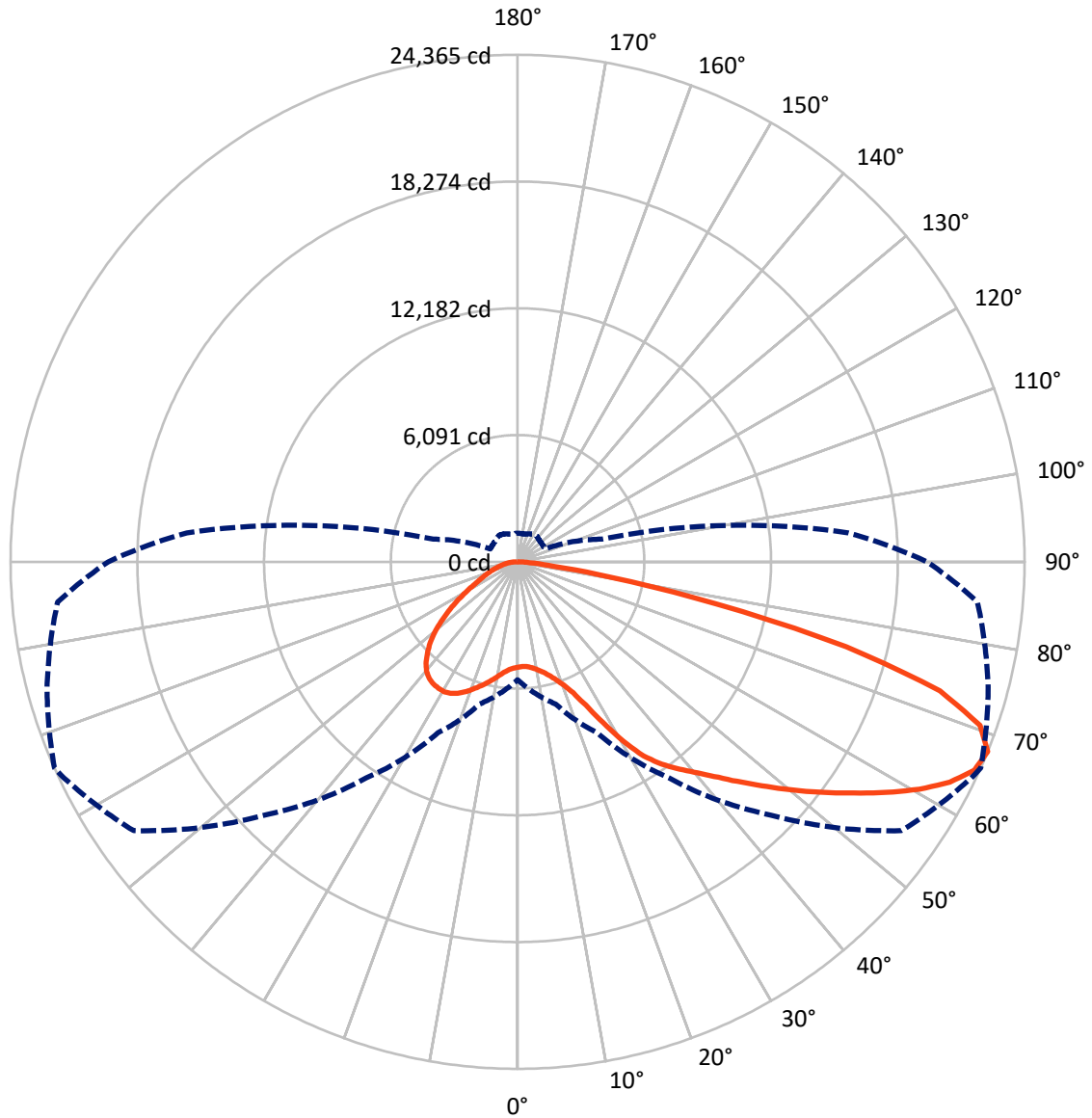
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11349.0	0.0	11349.0
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	34294.0	0.0	34294.0
	% Fixture	75.1	0.0	75.1
Total	Lumens	45643.0	0.0	45643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	501.9	1.1
10°-20°	1658.3	3.6
20°-30°	3196.2	7.0
30°-40°	5604.2	12.3
40°-50°	8331.5	18.3
50°-60°	10561.1	23.1
60°-70°	10333.7	22.6
70°-80°	4929.3	10.8
80°-90°	526.8	1.2
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°	45643.0	100.0
0°-180°	45643.0	100.0

Coefficient of Utilization

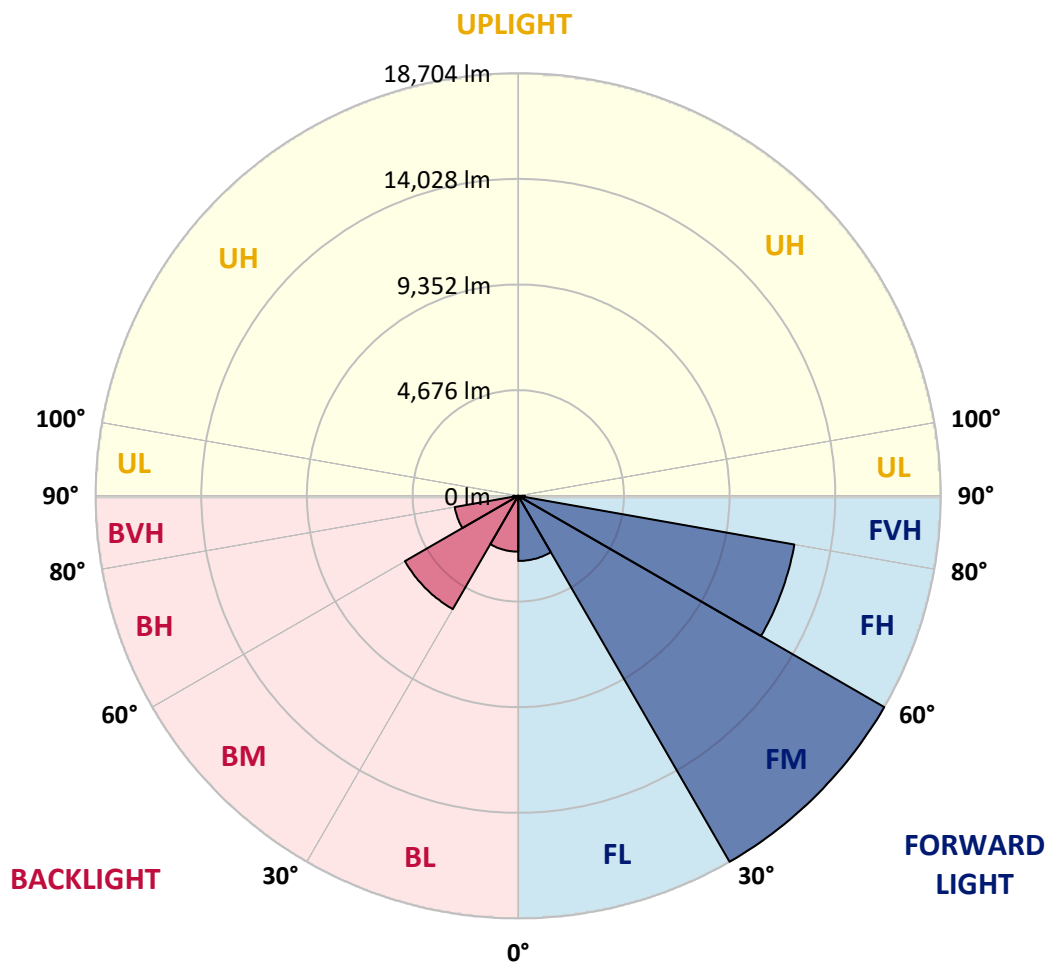


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2884.2	6.3			
FM (30°-60°)	18704.1	41.0			
FH (60°-80°)	12407.0	27.2			G5
FVH (80°-90°)	298.7	0.7			G3/500
BL (0°-30°)	2472.2	5.4	B3/2500		
BM (30°-60°)	5792.7	12.7	B4/8500		
BH (60°-80°)	2856.0	6.3	B4/5000		G4/5000
BVH (80°-90°)	228.1	0.5			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	5062.4	5062.4	5062.4	5062.4	5062.4	5062.4	5062.4	5062.4	5062.4	5062.4
2.5°	5009.7	5038.4	5031.2	5019.2	5016.8	5021.6	5028.8	5036.0	5033.6	5045.6
5°	4995.3	5024.0	5021.6	5021.6	5031.2	5050.4	5062.4	5074.4	5062.4	5076.8
7.5°	5004.9	5026.4	5036.0	5045.6	5069.6	5105.6	5134.4	5160.7	5146.3	5163.1
10°	5127.2	5143.9	5153.5	5153.5	5170.3	5211.1	5239.9	5287.8	5275.8	5302.2
12.5°	5350.2	5367.0	5367.0	5357.4	5369.4	5395.7	5405.3	5458.1	5436.5	5479.7
15°	5623.6	5657.1	5630.8	5614.0	5618.8	5645.2	5642.8	5683.5	5661.9	5697.9
17.5°	5925.7	5968.9	5925.7	5923.3	5913.7	5942.5	5944.9	5980.9	5942.5	5968.9
20°	6283.1	6343.0	6307.0	6319.0	6297.4	6309.4	6321.4	6374.2	6314.2	6333.4
22.5°	6786.7	6858.6	6820.2	6865.8	6851.4	6841.8	6839.4	6932.9	6839.4	6846.6
25°	7520.5	7606.8	7539.7	7602.0	7602.0	7633.2	7669.2	7789.1	7633.2	7587.6
27.5°	8604.4	8690.8	8558.9	8597.2	8585.2	8662.0	8623.6	8921.0	8753.1	8678.8
30°	9909.0	10062.5	9813.1	9803.5	9791.5	9913.8	9968.9	10165.6	9995.3	9921.0
32.5°	11319.1	11479.8	11182.4	11096.1	11050.5	11124.8	11079.3	11237.5	11120.0	11004.9
35°	12810.7	12969.0	12686.0	12518.1	12335.9	12180.0	12016.9	12057.7	11947.4	11772.3
37.5°	14220.8	14511.0	14211.2	14031.3	13695.6	13391.1	12935.4	12746.0	12642.8	12482.2
40°	15657.3	15822.7	15594.9	15441.4	15076.9	14599.7	13870.7	13470.2	13331.1	13175.2
42.5°	16714.8	16873.1	16750.8	16645.3	16359.9	15805.9	14863.5	14362.3	14160.8	13985.8
45°	17554.2	17671.7	17594.9	17633.3	17511.0	16973.8	15892.3	15319.1	15110.5	14897.1
47.5°	17892.3	18017.0	18139.3	18367.1	18575.8	18180.1	16997.8	16355.1	16134.5	15916.3
50°	17853.9	17981.0	18336.0	18820.4	19467.9	19336.0	18163.3	17458.2	17254.4	17005.0
52.5°	17547.0	17690.9	18146.5	18952.3	19983.5	20201.7	19350.4	18597.3	18405.5	18108.1
55°	16741.2	16827.5	17511.0	18652.5	20105.8	20806.0	20513.4	19810.8	19618.9	19204.1
57.5°	15247.2	15371.9	16367.1	17844.3	19798.8	21216.1	21535.0	21086.6	20901.9	20304.8
60°	13297.5	13496.6	14635.7	16487.0	19017.0	21213.7	22463.1	22340.8	22187.3	21388.8
62.5°	11091.3	11321.5	12417.4	14568.5	17650.1	20611.8	23043.4	23391.2	23312.0	22388.8
65°	8518.1	8676.4	9767.5	12086.5	15523.0	19319.2	23110.6	24108.2	24122.6	23149.0
67.5°	5671.5	6127.2	7074.4	9069.7	12674.0	17206.4	22520.7	24225.7	24364.8	23410.4
70°	2767.4	3366.9	4295.0	5894.6	9069.7	13966.6	20978.7	23261.7	23571.0	22647.8
72.5°	1148.7	1342.9	1848.9	2908.9	5206.3	9424.6	17880.3	20647.7	21220.9	20067.4
75°	774.6	839.3	1057.6	1491.6	2371.7	4647.5	12894.6	15395.9	16319.1	15156.1
77.5°	597.1	637.9	769.8	1043.2	1410.1	1757.8	6901.8	9278.3	9755.5	9031.3
80°	470.0	501.2	575.5	760.2	1000.0	940.1	2352.5	4203.9	4479.7	3757.8
82.5°	407.7	419.7	412.5	515.6	664.3	549.2	772.2	1551.6	1712.3	1242.2
85°	295.0	328.5	342.9	318.9	352.5	278.2	316.6	549.2	604.3	539.6
87.5°	119.9	177.5	218.2	206.2	129.5	79.1	98.3	160.7	184.7	201.4
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°
5062.4	0°	5062.4	5062.4	5062.4	5062.4	5062.4	5062.4	5062.4	5062.4	5062.4	5062.4
5064.8	2.5°	5067.2	5084.0	5096.0	5110.4	5120.0	5134.4	5163.1	5179.9	5182.3	5194.3
5103.2	5°	5112.8	5136.8	5163.1	5201.5	5244.7	5280.6	5335.8	5374.2	5388.6	5400.5
5196.7	7.5°	5211.1	5244.7	5292.6	5359.8	5422.1	5470.1	5537.2	5582.8	5628.4	5645.2
5345.4	10°	5357.4	5405.3	5474.9	5566.0	5633.2	5695.5	5765.1	5803.4	5849.0	5868.2
5522.8	12.5°	5539.6	5590.0	5681.1	5808.2	5870.6	5913.7	5937.7	5928.1	5937.7	5954.5
5736.3	15°	5748.3	5803.4	5906.5	6043.2	6086.4	6048.0	5995.3	5947.3	5940.1	5944.9
5995.3	17.5°	5995.3	6036.0	6156.0	6271.1	6239.9	6081.6	5966.5	5889.8	5851.4	5839.4
6326.2	20°	6340.6	6340.6	6438.9	6510.9	6302.2	6033.6	5853.8	5729.1	5649.9	5616.4
6777.1	22.5°	6760.3	6721.9	6784.3	6733.9	6290.2	5899.4	5649.9	5434.1	5314.2	5266.3
7407.8	25°	7292.7	7247.1	7230.3	6918.5	6203.9	5685.9	5280.6	5019.2	4913.7	4887.3
8316.6	27.5°	8096.0	7980.9	7762.7	7019.3	6045.6	5350.2	4849.0	4606.8	4546.8	4549.2
9484.5	30°	9165.6	8935.4	8400.6	7036.1	5786.6	4875.4	4407.7	4235.1	4206.3	4218.3
10465.4	32.5°	10156.0	9937.8	9052.9	6959.3	5388.6	4410.1	4012.0	3896.9	3853.8	3868.2
11213.6	35°	10933.0	10873.0	9657.2	6851.4	4899.3	3973.7	3657.1	3558.8	3474.9	3455.7
11918.6	37.5°	11666.8	11642.8	10110.4	6700.3	4414.9	3664.3	3371.7	3242.2	3119.9	3052.8
12698.0	40°	12472.6	12448.6	10407.8	6467.7	3985.7	3395.7	3115.1	2944.9	2793.8	2671.5
13580.5	42.5°	13379.1	13237.6	10549.3	6134.4	3621.1	3167.9	2906.5	2676.3	2477.2	2364.5
14578.1	45°	14369.5	14050.5	10546.9	5709.9	3314.2	2959.3	2683.5	2357.3	2172.7	2067.2
15602.1	47.5°	15419.9	14827.5	10417.4	5239.9	3016.8	2729.1	2338.2	2088.8	1966.5	1901.7
16714.8	50°	16503.8	15554.1	10196.8	4700.3	2712.3	2467.7	2122.3	1952.1	1858.5	1798.6
17818.0	52.5°	17523.0	16213.6	9930.6	4088.8	2402.9	2213.5	2026.4	1894.5	1796.2	1729.0
18887.5	55°	18470.2	16782.0	9554.1	3462.9	2151.1	2043.2	1980.8	1870.5	1757.8	1678.7
19973.9	57.5°	19312.0	17151.3	8904.2	2875.3	1971.2	1925.7	1932.9	1829.8	1700.3	1633.1
21043.4	60°	20012.2	17422.3	7942.5	2331.0	1825.0	1810.6	1858.5	1753.0	1601.9	1525.2
21947.5	62.5°	20431.9	17417.5	6762.7	1908.9	1700.3	1705.1	1760.2	1657.1	1503.6	1431.7
22419.9	65°	20395.9	16990.6	5467.7	1633.1	1580.4	1585.2	1657.1	1551.6	1422.1	1378.9
22182.5	67.5°	19674.1	15949.8	4194.3	1453.3	1448.5	1470.0	1554.0	1479.6	1371.7	1366.9
20767.6	70°	17719.6	13789.1	3021.6	1309.4	1311.8	1342.9	1453.3	1434.1	1345.3	1354.9
17460.6	72.5°	14208.8	10513.3	2028.8	1158.3	1160.7	1211.0	1357.3	1398.1	1319.0	1446.1
12388.6	75°	9462.9	6556.4	1304.6	997.6	1000.0	1064.8	1273.4	1328.6	1247.0	1441.3
6446.1	77.5°	4546.8	2947.3	944.9	839.3	839.3	899.3	1100.7	1189.5	1062.4	1119.9
2072.0	80°	1570.8	1107.9	743.4	676.3	661.9	702.6	928.1	1031.2	916.1	844.1
676.3	82.5°	618.7	575.5	597.1	525.2	477.2	503.6	721.8	851.3	673.9	609.1
381.3	85°	354.9	374.1	422.1	347.7	275.8	309.4	530.0	611.5	508.4	448.4
124.7	87.5°	95.9	131.9	194.2	179.9	124.7	131.9	251.8	338.1	292.6	225.4
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°
5062.4
5191.9
5398.1
5647.6
5877.8
5959.3
5961.7
5856.2
5609.2
5259.1
4892.1
4556.4
4259.0
3887.3
3470.1
3055.2
2683.5
2371.7
2062.4
1887.3
1777.0
1700.3
1647.5
1589.9
1491.6
1410.1
1376.5
<i>1374.1</i>
1352.5
1465.2
1453.3
1026.4
791.4
606.7
458.0
232.6
0.0

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