

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: P848928

Luminaire Tested: **GLAN-SB5D-722-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848928
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-SB5D-722-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40224 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

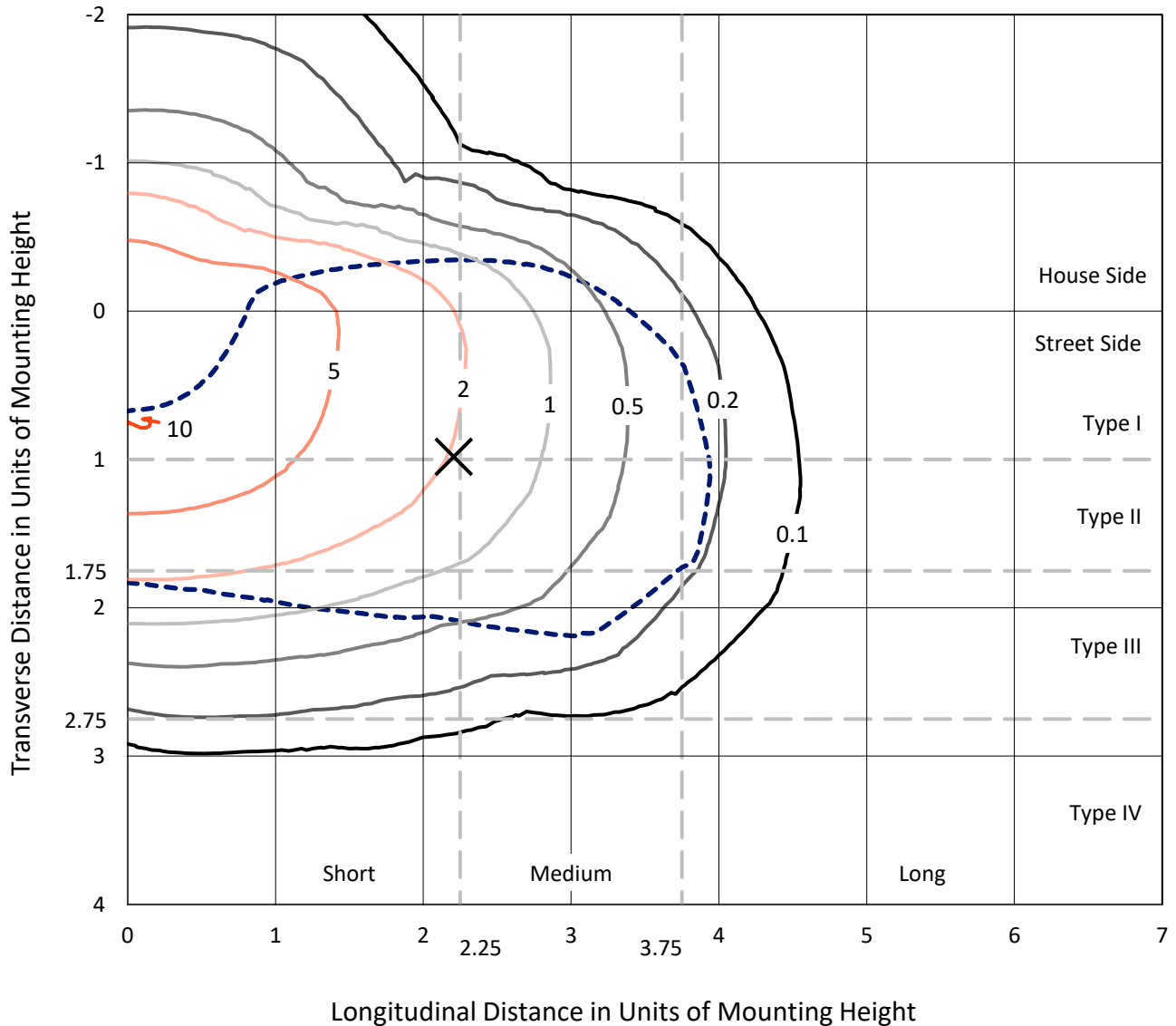
Input Watts (W): 364.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

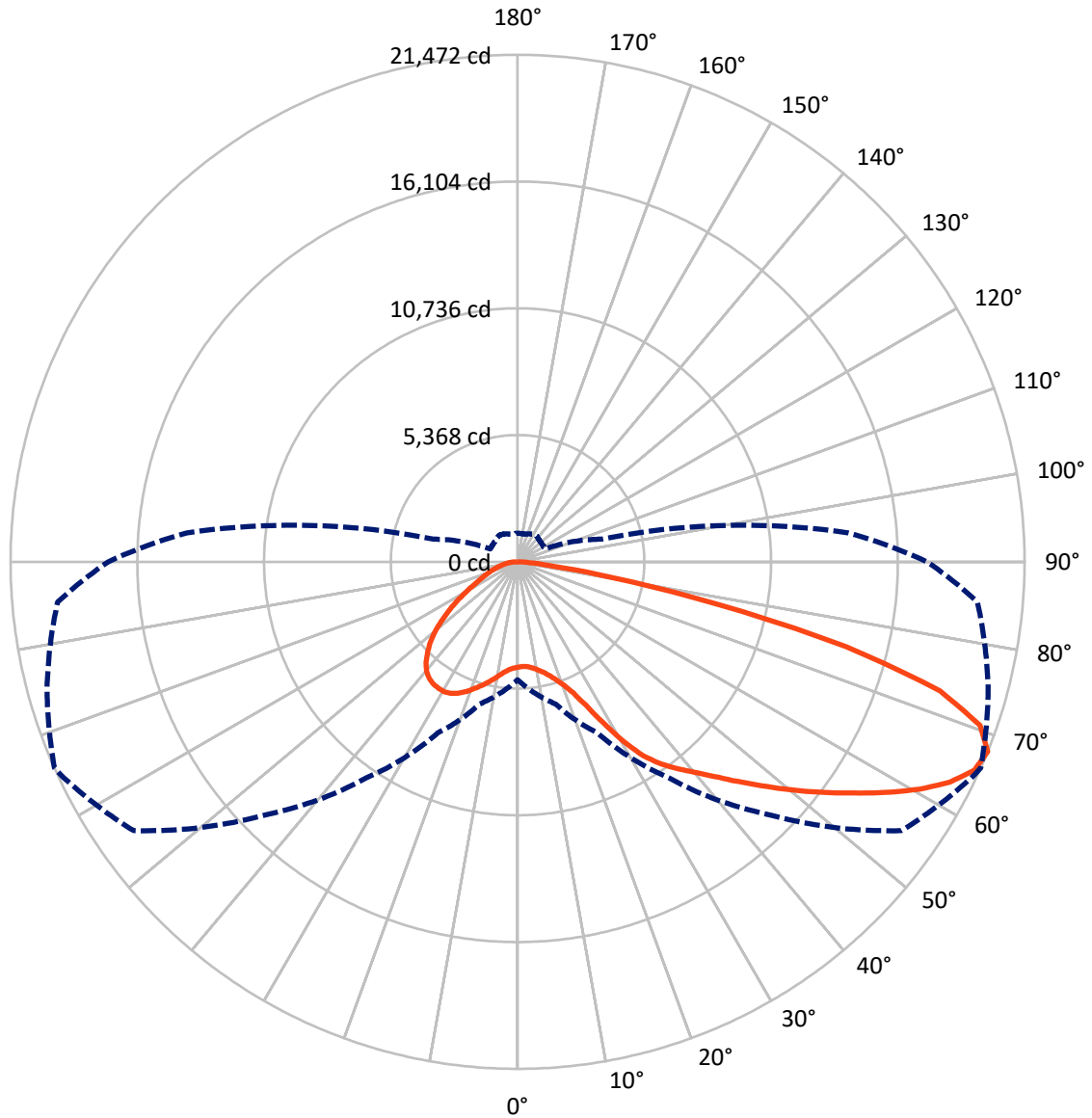
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 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	10001.6	0.0	10001.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	30222.4	0.0	30222.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	40224.0	0.0	40224.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.3	1.1
10°-20°	1461.4	3.6
20°-30°	2816.8	7.0
30°-40°	4938.8	12.3
40°-50°	7342.4	18.3
50°-60°	9307.2	23.1
60°-70°	9106.8	22.6
70°-80°	4344.1	10.8
80°-90°	464.3	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°	40224.0	100.0
0°-180°	40224.0	100.0

Coefficient of Utilization

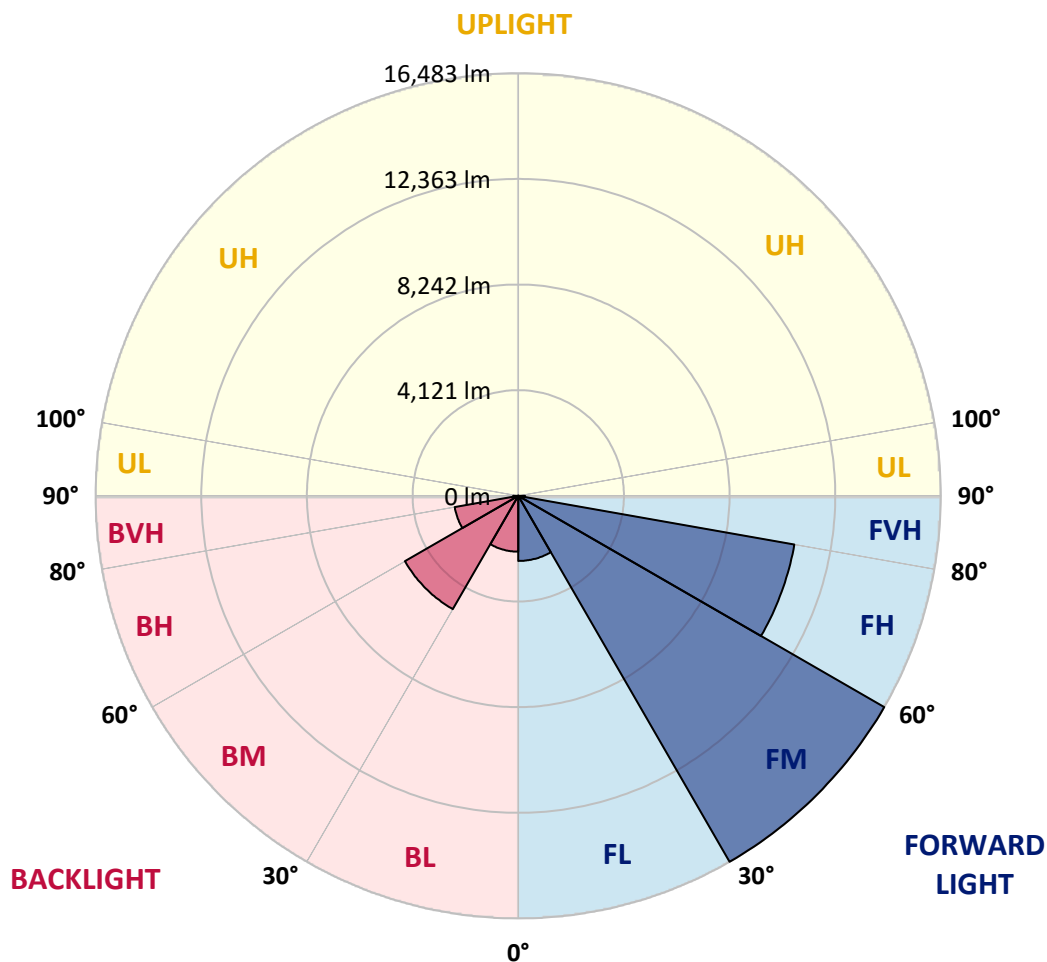


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2541.8	6.3			
FM (30°-60°)	16483.5	41.0			
FH (60°-80°)	10934.0	27.2			G4/12000
FVH (80°-90°)	263.2	0.7			G3/500
BL (0°-30°)	2178.7	5.4	B3/2500		
BM (30°-60°)	5104.9	12.7	B4/8500		
BH (60°-80°)	2516.9	6.3	B4/5000		G4/5000
BVH (80°-90°)	201.0	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4
2.5°	4414.9	4440.2	4433.9	4423.3	4421.2	4425.4	4431.8	4438.1	4436.0	4446.6
5°	4402.2	4427.6	4425.4	4425.4	4433.9	4450.8	4461.4	4471.9	4461.4	4474.1
7.5°	4410.7	4429.7	4438.1	4446.6	4467.7	4499.4	4524.8	4548.0	4535.3	4550.1
10°	4518.4	4533.2	4541.7	4541.7	4556.5	4592.4	4617.8	4660.0	4649.5	4672.7
12.5°	4715.0	4729.8	4729.8	4721.3	4731.9	4755.1	4763.6	4810.1	4791.1	4829.1
15°	4955.9	4985.5	4962.2	4947.5	4951.7	4974.9	4972.8	5008.7	4989.7	5021.4
17.5°	5222.2	5260.2	5222.2	5220.1	5211.6	5237.0	5239.1	5270.8	5237.0	5260.2
20°	5537.1	5589.9	5558.2	5568.8	5549.8	5560.3	5570.9	5617.4	5564.6	5581.5
22.5°	5980.9	6044.3	6010.5	6050.6	6038.0	6029.5	6027.4	6109.8	6027.4	6033.7
25°	6627.6	6703.7	6644.5	6699.5	6699.5	6726.9	6758.6	6864.3	6726.9	6686.8
27.5°	7582.9	7658.9	7542.7	7576.5	7565.9	7633.6	7599.8	7861.8	7713.9	7648.4
30°	8732.5	8867.8	8648.0	8639.6	8629.0	8736.8	8785.4	8958.7	8808.6	8743.1
32.5°	9975.2	10116.8	9854.8	9778.7	9738.5	9804.0	9763.9	9903.4	9799.8	9698.4
35°	11289.7	11429.2	11179.9	11031.9	10871.3	10733.9	10590.2	10626.1	10528.9	10374.6
37.5°	12532.4	12788.1	12524.0	12365.5	12069.6	11801.2	11399.6	11232.7	11141.8	11000.2
40°	13798.3	13944.2	13743.4	13608.1	13286.9	12866.3	12223.9	11870.9	11748.4	11611.0
42.5°	14730.4	14869.8	14762.1	14669.1	14417.6	13929.4	13098.8	12657.1	12479.6	12325.3
45°	15470.0	15573.6	15506.0	15539.8	15432.0	14958.6	14005.5	13500.4	13316.5	13128.4
47.5°	15768.0	15877.9	15985.7	16186.5	16370.3	16021.6	14979.7	14413.3	14218.9	14026.6
50°	15734.2	15846.2	16159.0	16585.9	17156.5	17040.3	16006.8	15385.5	15205.9	14986.1
52.5°	15463.7	15590.5	15992.0	16702.1	17610.9	17803.2	17053.0	16389.4	16220.3	15958.2
55°	14753.6	14829.7	15432.0	16438.0	17718.7	18335.8	18078.0	17458.7	17289.7	16924.1
57.5°	13437.0	13546.9	14423.9	15725.8	17448.2	18697.2	18978.3	18583.1	18420.3	17894.1
60°	11718.8	11894.2	12898.0	14529.6	16759.2	18695.1	19796.2	19688.4	19553.1	18849.4
62.5°	9774.4	9977.3	10943.2	12838.9	15554.6	18164.6	20307.6	20614.0	20544.3	19730.6
65°	7506.8	7646.3	8607.9	10651.5	13680.0	17025.5	20366.8	21245.9	21258.6	20400.6
67.5°	4998.2	5399.7	6234.5	7992.9	11169.3	15163.6	19846.9	21349.5	21472.1	20630.9
70°	2438.9	2967.2	3785.1	5194.7	7992.9	12308.4	18488.0	20499.9	20772.5	19958.9
72.5°	1012.3	1183.5	1629.4	2563.5	4588.2	8305.6	15757.5	18196.3	18701.4	17684.9
75°	682.6	739.7	932.0	1314.5	2090.1	4095.8	11363.7	13568.0	14381.6	13356.6
77.5°	526.2	562.2	678.4	919.3	1242.7	1549.1	6082.3	8176.7	8597.3	7959.0
80°	414.2	441.7	507.2	669.9	881.3	828.5	2073.2	3704.8	3947.8	3311.7
82.5°	359.3	369.8	363.5	454.4	585.4	484.0	680.5	1367.4	1509.0	1094.7
85°	259.9	289.5	302.2	281.1	310.7	245.2	279.0	484.0	532.6	475.5
87.5°	105.7	156.4	192.3	181.8	114.1	69.7	86.6	141.6	162.7	177.5
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°
4461.4	0°	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4	4461.4
4463.5	2.5°	4465.6	4480.4	4491.0	4503.6	4512.1	4524.8	4550.1	4564.9	4567.0	4577.6
4497.3	5°	4505.8	4526.9	4550.1	4583.9	4622.0	4653.7	4702.3	4736.1	4748.8	4759.4
4579.7	7.5°	4592.4	4622.0	4664.3	4723.4	4778.4	4820.7	4879.8	4920.0	4960.1	4974.9
4710.8	10°	4721.3	4763.6	4824.9	4905.2	4964.4	5019.3	5080.6	5114.4	5154.6	5171.5
4867.1	12.5°	4881.9	4926.3	5006.6	5118.6	5173.6	5211.6	5232.8	5224.3	5232.8	5247.6
5055.2	15°	5065.8	5114.4	5205.3	5325.8	5363.8	5330.0	5283.5	5241.2	5234.9	5239.1
5283.5	17.5°	5283.5	5319.4	5425.1	5526.5	5499.0	5359.6	5258.1	5190.5	5156.7	5146.1
5575.1	20°	5587.8	5587.8	5674.5	5737.9	5554.0	5317.3	5158.8	5048.9	4979.2	4949.6
5972.4	22.5°	5957.7	5923.8	5978.8	5934.4	5543.4	5198.9	4979.2	4788.9	4683.3	4641.0
6528.3	25°	6426.8	6386.7	6371.9	6097.1	5467.3	5010.9	4653.7	4423.3	4330.3	4307.1
7329.2	27.5°	7134.8	7033.4	6841.1	6185.9	5327.9	4715.0	4273.3	4059.8	4007.0	4009.1
8358.5	30°	8077.4	7874.5	7403.2	6200.7	5099.6	4296.5	3884.4	3732.3	3706.9	3717.5
9222.8	32.5°	8950.2	8757.9	7978.1	6133.1	4748.8	3886.5	3535.7	3434.3	3396.2	3408.9
9882.2	35°	9635.0	9582.1	8510.6	6038.0	4317.7	3501.9	3222.9	3136.3	3062.3	3045.4
10503.6	37.5°	10281.7	10260.5	8910.1	5904.8	3890.8	3229.3	2971.4	2857.3	2749.5	2690.3
11190.4	40°	10991.8	10970.6	9172.1	5699.8	3512.5	2992.6	2745.3	2595.2	2462.1	2354.3
11968.1	42.5°	11790.6	11665.9	9296.8	5406.1	3191.2	2791.8	2561.4	2358.5	2183.1	2083.8
12847.3	45°	12663.5	12382.4	9294.7	5032.0	2920.7	2607.9	2364.9	2077.5	1914.7	1821.7
13749.7	47.5°	13589.1	13067.1	9180.6	4617.8	2658.6	2405.0	2060.6	1840.8	1733.0	1675.9
14730.4	50°	14544.4	13707.5	8986.1	4142.3	2390.2	2174.7	1870.4	1720.3	1637.9	1585.0
15702.5	52.5°	15442.6	14288.7	8751.6	3603.3	2117.6	1950.7	1785.8	1669.6	1582.9	1523.8
16645.1	55°	16277.4	14789.5	8419.8	3051.7	1895.7	1800.6	1745.7	1648.4	1549.1	1479.4
17602.5	57.5°	17019.2	15115.0	7847.0	2534.0	1737.2	1697.1	1703.4	1612.5	1498.4	1439.2
18545.0	60°	17636.3	15353.8	6999.6	2054.2	1608.3	1595.6	1637.9	1544.9	1411.7	1344.1
19341.8	62.5°	18006.1	15349.6	5959.8	1682.3	1498.4	1502.6	1551.2	1460.4	1325.1	1261.7
19758.1	65°	17974.4	14973.4	4818.5	1439.2	1392.7	1397.0	1460.4	1367.4	1253.2	1215.2
19548.9	67.5°	17338.3	14056.2	3696.3	1280.7	1276.5	1295.5	1369.5	1304.0	1208.9	1204.6
18302.0	70°	15615.9	12152.0	2662.9	1153.9	1156.0	1183.5	1280.7	1263.8	1185.6	1194.1
15387.6	72.5°	12521.9	9265.1	1787.9	1020.8	1022.9	1067.3	1196.2	1232.1	1162.4	1274.4
10917.8	75°	8339.4	5778.0	1149.7	879.2	881.3	938.3	1122.2	1170.8	1099.0	1270.1
5680.8	77.5°	4007.0	2597.4	832.7	739.7	739.7	792.5	970.0	1048.2	936.2	987.0
1826.0	80°	1384.3	976.4	655.2	596.0	583.3	619.2	817.9	908.8	807.3	743.9
596.0	82.5°	545.3	507.2	526.2	462.8	420.6	443.8	636.1	750.3	593.9	536.8
336.0	85°	312.8	329.7	372.0	306.4	243.0	272.6	467.1	538.9	448.0	395.2
109.9	87.5°	84.5	116.2	171.2	158.5	109.9	116.2	221.9	298.0	257.8	198.7
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>
4461.4
4575.5
4757.2
4977.0
5179.9
5251.8
5253.9
5160.9
4943.2
4634.7
4311.3
4015.4
3753.4
3425.8
3058.1
2692.5
2364.9
2090.1
1817.5
1663.2
1566.0
1498.4
1451.9
1401.2
1314.5
1242.7
1213.1
<i>1211.0</i>
1192.0
1291.3
1280.7
904.5
697.4
534.7
403.7
205.0
0.0

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