

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: P849978

Luminaire Tested: **GLAN-SB7B-735-U-T3**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849978
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-SB7B-735-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39324 lumens
Efficiency: N/A
Efficacy: 153.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

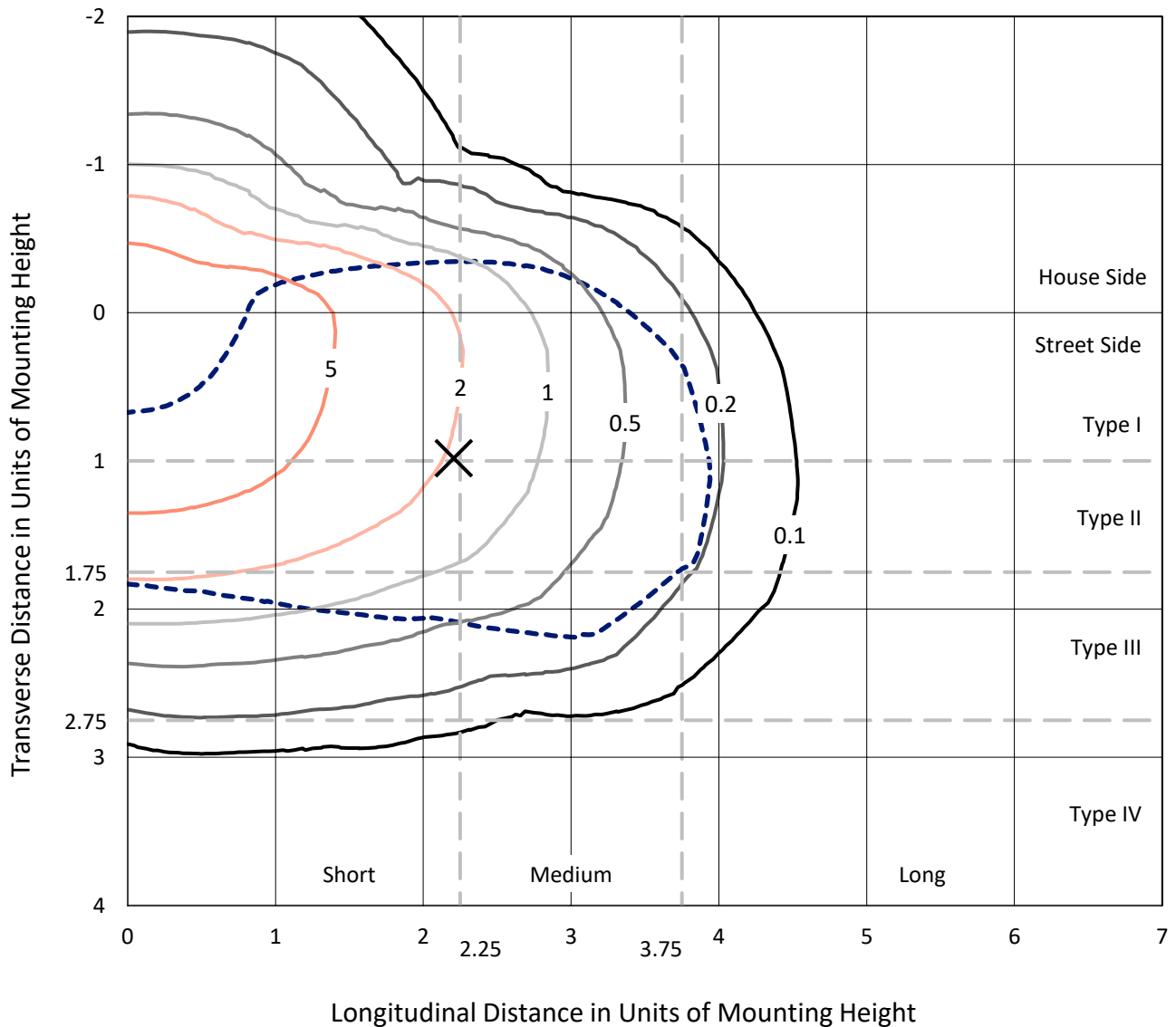
Input Watts (W): 256.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

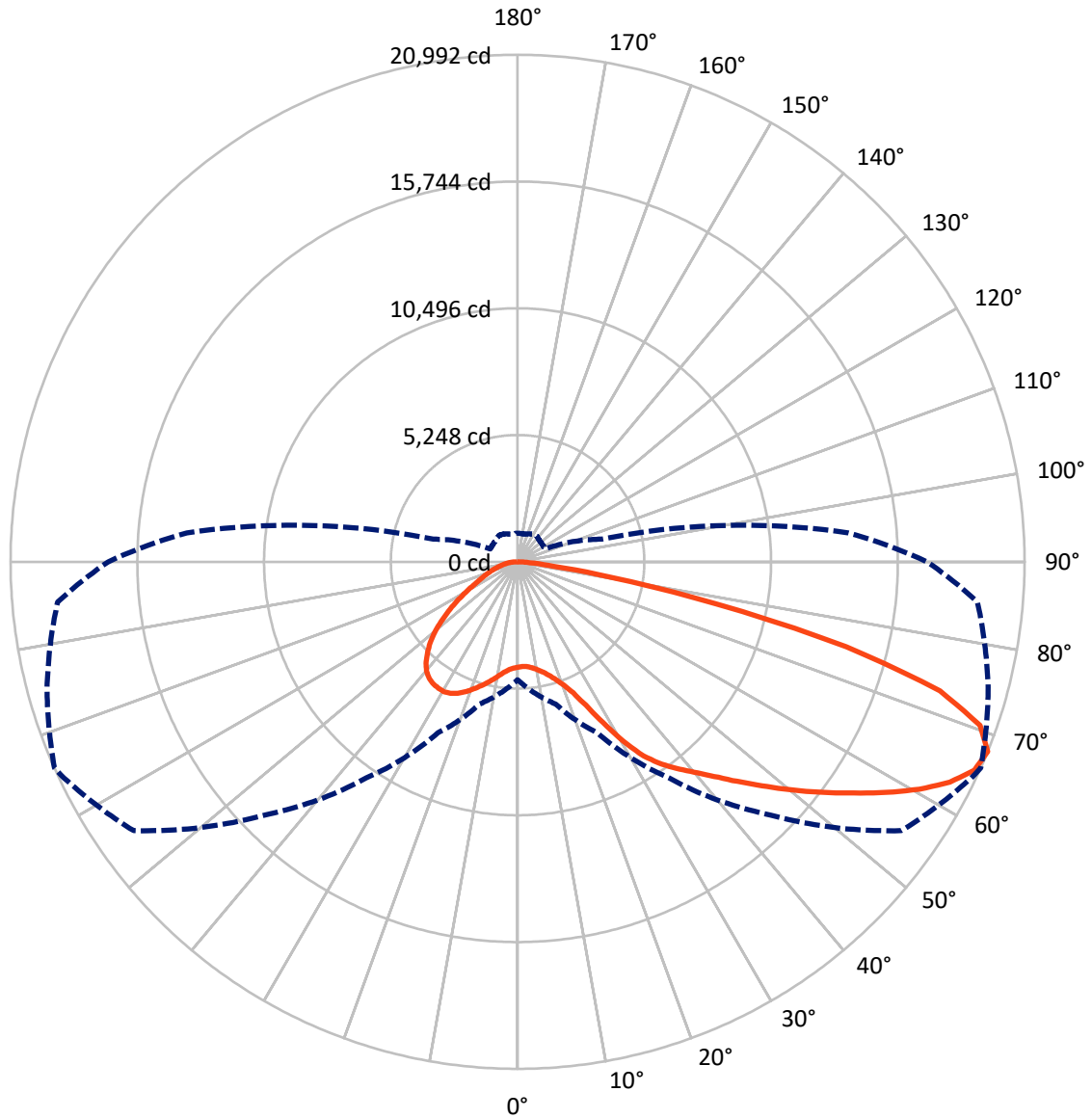
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	9777.8	0.0	9777.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	29546.2	0.0	29546.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	39324.0	0.0	39324.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.4	1.1
10°-20°	1428.7	3.6
20°-30°	2753.7	7.0
30°-40°	4828.3	12.3
40°-50°	7178.1	18.3
50°-60°	9098.9	23.1
60°-70°	8903.1	22.6
70°-80°	4246.9	10.8
80°-90°	453.9	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°	39324.0	100.0
0°-180°	39324.0	100.0

Coefficient of Utilization

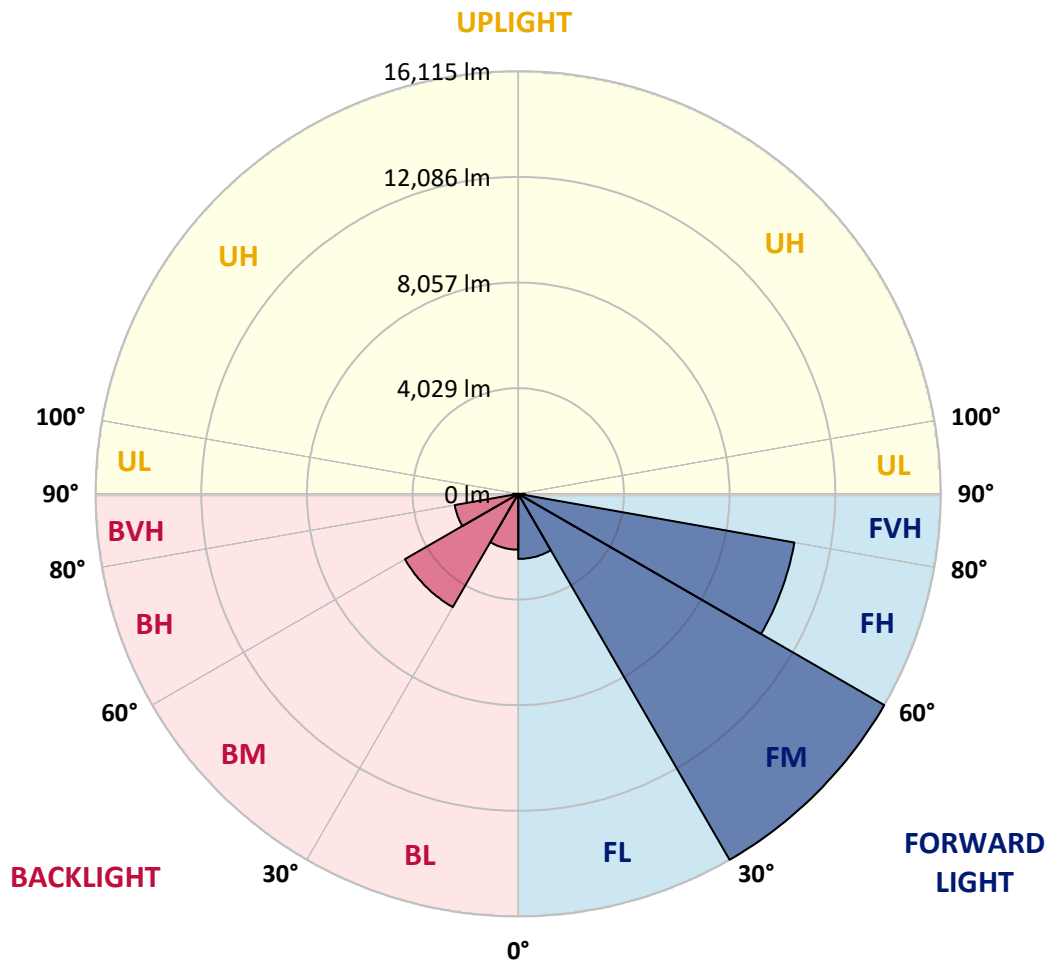


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2484.9	6.3			
FM (30°-60°)	16114.6	41.0			
FH (60°-80°)	10689.3	27.2			G4/12000
FVH (80°-90°)	257.3	0.7			G3/500
BL (0°-30°)	2130.0	5.4	B3/2500		
BM (30°-60°)	4990.7	12.7	B3/5000		
BH (60°-80°)	2460.6	6.3	B3/2500		G3/2500
BVH (80°-90°)	196.5	0.5			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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4361.6	4361.6	4361.6	4361.6	4361.6	4361.6	4361.6	4361.6	4361.6	4361.6
2.5°	4316.1	4340.9	4334.7	4324.4	4322.3	4326.4	4332.6	4338.8	4336.8	4347.1
5°	4303.7	4328.5	4326.4	4326.4	4334.7	4351.2	4361.6	4371.9	4361.6	4373.9
7.5°	4312.0	4330.6	4338.8	4347.1	4367.7	4398.7	4423.5	4446.3	4433.9	4448.3
10°	4417.3	4431.8	4440.1	4440.1	4454.5	4489.6	4514.4	4555.8	4545.4	4568.2
12.5°	4609.5	4623.9	4623.9	4615.7	4626.0	4648.7	4657.0	4702.5	4683.9	4721.1
15°	4845.0	4873.9	4851.2	4836.8	4840.9	4863.6	4861.5	4896.7	4878.1	4909.1
17.5°	5105.3	5142.5	5105.3	5103.3	5095.0	5119.8	5121.9	5152.9	5119.8	5142.5
20°	5413.2	5464.9	5433.9	5444.2	5425.6	5435.9	5446.3	5491.7	5440.1	5456.6
22.5°	5847.1	5909.1	5876.0	5915.3	5902.9	5894.6	5892.5	5973.1	5892.5	5898.7
25°	6479.3	6553.7	6495.8	6549.6	6549.6	6576.4	6607.4	6710.7	6576.4	6537.2
27.5°	7413.2	7487.6	7373.9	7407.0	7396.7	7462.8	7429.7	7685.9	7541.3	7477.2
30°	8537.2	8669.4	8454.5	8446.2	8435.9	8541.3	8588.8	8758.2	8611.5	8547.5
32.5°	9752.0	9890.5	9634.3	9559.9	9520.6	9584.7	9545.4	9681.8	9580.5	9481.4
35°	11037.1	11173.5	10929.7	10785.1	10628.1	10493.8	10353.3	10388.4	10293.3	10142.5
37.5°	12252.0	12502.0	12243.7	12088.8	11799.5	11537.1	11144.6	10981.4	10892.5	10754.1
40°	13489.6	13632.2	13435.9	13303.7	12989.6	12578.5	11950.4	11605.3	11485.5	11351.2
42.5°	14400.8	14537.1	14431.8	14340.8	14095.0	13617.7	12805.7	12373.9	12200.4	12049.5
45°	15123.9	15225.1	15159.0	15192.1	15086.7	14623.9	13692.1	13198.3	13018.5	12834.7
47.5°	15415.2	15522.7	15628.0	15824.3	16004.1	15663.2	14644.6	14090.8	13900.8	13712.8
50°	15382.2	15491.7	15797.5	16214.8	16772.7	16659.0	15648.7	15041.3	14865.6	14650.8
52.5°	15117.7	15241.7	15634.2	16328.4	17216.9	17404.9	16671.4	16022.7	15857.4	15601.2
55°	14423.5	14497.9	15086.7	16070.2	17322.2	17925.5	17673.5	17068.1	16902.8	16545.4
57.5°	13136.3	13243.7	14101.2	15373.9	17057.8	18278.8	18553.6	18167.3	18008.2	17493.7
60°	11456.6	11628.0	12609.4	14204.5	16384.2	18276.8	19353.2	19247.9	19115.6	18427.6
62.5°	9555.7	9754.1	10698.3	12551.6	15206.5	17758.2	19853.2	20152.8	20084.6	19289.2
65°	7338.8	7475.2	8415.3	10413.2	13373.9	16644.6	19911.1	20770.6	20783.0	19944.1
67.5°	4886.3	5278.9	6095.0	7814.0	10919.4	14824.3	19402.8	20871.8	20991.6	20169.3
70°	2384.3	2900.8	3700.4	5078.5	7814.0	12033.0	18074.3	20041.2	20307.8	19512.3
72.5°	989.7	1157.0	1593.0	2506.2	4485.5	8119.8	15404.9	17789.2	18283.0	17289.2
75°	667.4	723.1	911.2	1285.1	2043.4	4004.1	11109.5	13264.4	14059.9	13057.8
77.5°	514.5	549.6	663.2	898.8	1214.9	1514.5	5946.3	7993.8	8404.9	7781.0
80°	405.0	431.8	495.9	655.0	861.6	809.9	2026.9	3621.9	3859.5	3237.6
82.5°	351.2	361.6	355.4	444.2	572.3	473.1	665.3	1336.8	1475.2	1070.2
85°	254.1	283.1	295.5	274.8	303.7	239.7	272.7	473.1	520.7	464.9
87.5°	103.3	152.9	188.0	177.7	111.6	68.2	84.7	138.4	159.1	173.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P849978
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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4361.6	0°	4361.6	4361.6	4361.6	4361.6	4361.6	4361.6	4361.6	4361.6	4361.6	4361.6
4363.6	2.5°	4365.7	4380.1	4390.5	4402.9	4411.1	4423.5	4448.3	4462.8	4464.9	4475.2
4396.7	5°	4404.9	4425.6	4448.3	4481.4	4518.6	4549.6	4597.1	4630.1	4642.5	4652.9
4477.3	7.5°	4489.6	4518.6	4559.9	4617.7	4671.5	4712.8	4770.6	4809.9	4849.2	4863.6
4605.4	10°	4615.7	4657.0	4716.9	4795.4	4853.3	4907.0	4966.9	5000.0	5039.2	5055.8
4758.2	12.5°	4772.7	4816.1	4894.6	5004.1	5057.8	5095.0	5115.7	5107.4	5115.7	5130.1
4942.1	15°	4952.5	5000.0	5088.8	5206.6	5243.8	5210.7	5165.3	5123.9	5117.7	5121.9
5165.3	17.5°	5165.3	5200.4	5303.7	5402.9	5376.0	5239.6	5140.5	5074.4	5041.3	5031.0
5450.4	20°	5462.8	5462.8	5547.5	5609.5	5429.7	5198.3	5043.4	4935.9	4867.7	4838.8
5838.8	22.5°	5824.4	5791.3	5845.0	5801.6	5419.4	5082.6	4867.7	4681.8	4578.5	4537.2
6382.2	25°	6283.0	6243.8	6229.3	5960.7	5345.0	4898.7	4549.6	4324.4	4233.5	4210.7
7165.3	27.5°	6975.2	6876.0	6688.0	6047.5	5208.7	4609.5	4177.7	3969.0	3917.3	3919.4
8171.5	30°	7896.7	7698.3	7237.6	6062.0	4985.5	4200.4	3797.5	3648.7	3624.0	3634.3
9016.5	32.5°	8750.0	8561.9	7799.6	5995.8	4642.5	3799.6	3456.6	3357.4	3320.2	3332.6
9661.1	35°	9419.4	9367.7	8320.2	5902.9	4221.1	3423.5	3150.8	3066.1	2993.8	2977.3
10268.6	37.5°	10051.6	10030.9	8710.7	5772.7	3803.7	3157.0	2904.9	2793.4	2688.0	2630.2
10940.0	40°	10745.8	10725.2	8966.9	5572.3	3433.9	2925.6	2683.9	2537.2	2407.0	2301.6
11700.4	42.5°	11526.8	11404.9	9088.8	5285.1	3119.8	2729.3	2504.1	2305.8	2134.3	2037.2
12559.9	45°	12380.1	12105.3	9086.7	4919.4	2855.4	2549.6	2312.0	2031.0	1871.9	1781.0
13442.1	47.5°	13285.1	12774.7	8975.2	4514.4	2599.2	2351.2	2014.5	1799.6	1694.2	1638.4
14400.8	50°	14218.9	13400.8	8785.1	4049.6	2336.8	2126.0	1828.5	1681.8	1601.2	1549.6
15351.2	52.5°	15097.0	13968.9	8555.7	3522.7	2070.2	1907.0	1745.9	1632.2	1547.5	1489.7
16272.7	55°	15913.2	14458.6	8231.4	2983.5	1853.3	1760.3	1706.6	1611.6	1514.5	1446.3
17208.6	57.5°	16638.4	14776.8	7671.5	2477.3	1698.3	1659.1	1665.3	1576.4	1464.9	1407.0
18130.1	60°	17241.7	15010.3	6842.9	2008.3	1572.3	1559.9	1601.2	1510.3	1380.2	1314.0
18909.0	62.5°	17603.2	15006.1	5826.4	1644.6	1464.9	1469.0	1516.5	1427.7	1295.4	1233.5
19316.0	65°	17572.2	14638.4	4710.7	1407.0	1361.6	1365.7	1427.7	1336.8	1225.2	1188.0
19111.5	67.5°	16950.3	13741.7	3613.6	1252.1	1247.9	1266.5	1338.8	1274.8	1181.8	1177.7
17892.5	70°	15266.5	11880.1	2603.3	1128.1	1130.2	1157.0	1252.1	1235.5	1159.1	1167.4
15043.3	72.5°	12241.7	9057.8	1747.9	997.9	1000.0	1043.4	1169.4	1204.5	1136.4	1245.9
10673.5	75°	8152.9	5648.7	1124.0	859.5	861.6	917.4	1097.1	1144.6	1074.4	1241.7
5553.7	77.5°	3917.3	2539.2	814.0	723.1	723.1	774.8	948.3	1024.8	915.3	964.9
1785.1	80°	1353.3	954.5	640.5	582.6	570.2	605.4	799.6	888.4	789.3	727.3
582.6	82.5°	533.1	495.9	514.5	452.5	411.2	433.9	621.9	733.5	580.6	524.8
328.5	85°	305.8	322.3	363.6	299.6	237.6	266.5	456.6	526.9	438.0	386.4
107.4	87.5°	82.6	113.6	167.4	155.0	107.4	113.6	216.9	291.3	252.1	194.2
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>
4361.6
4473.1
4650.8
4865.7
5064.0
5134.3
5136.3
5045.4
4832.6
4531.0
4214.9
3925.6
3669.4
3349.2
2989.7
2632.2
2312.0
2043.4
1776.9
1626.0
1531.0
1464.9
1419.4
1369.8
1285.1
1214.9
1185.9
1183.9
1165.3
1262.4
1252.1
884.3
681.8
522.7
394.6
200.4
0.0

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