

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: McGRAW-EDISON

Report Number: P954456

Luminaire Tested: **GALN-SB7C-950-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7C-950-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36211 lumens
Efficiency: N/A
Efficacy: 103.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

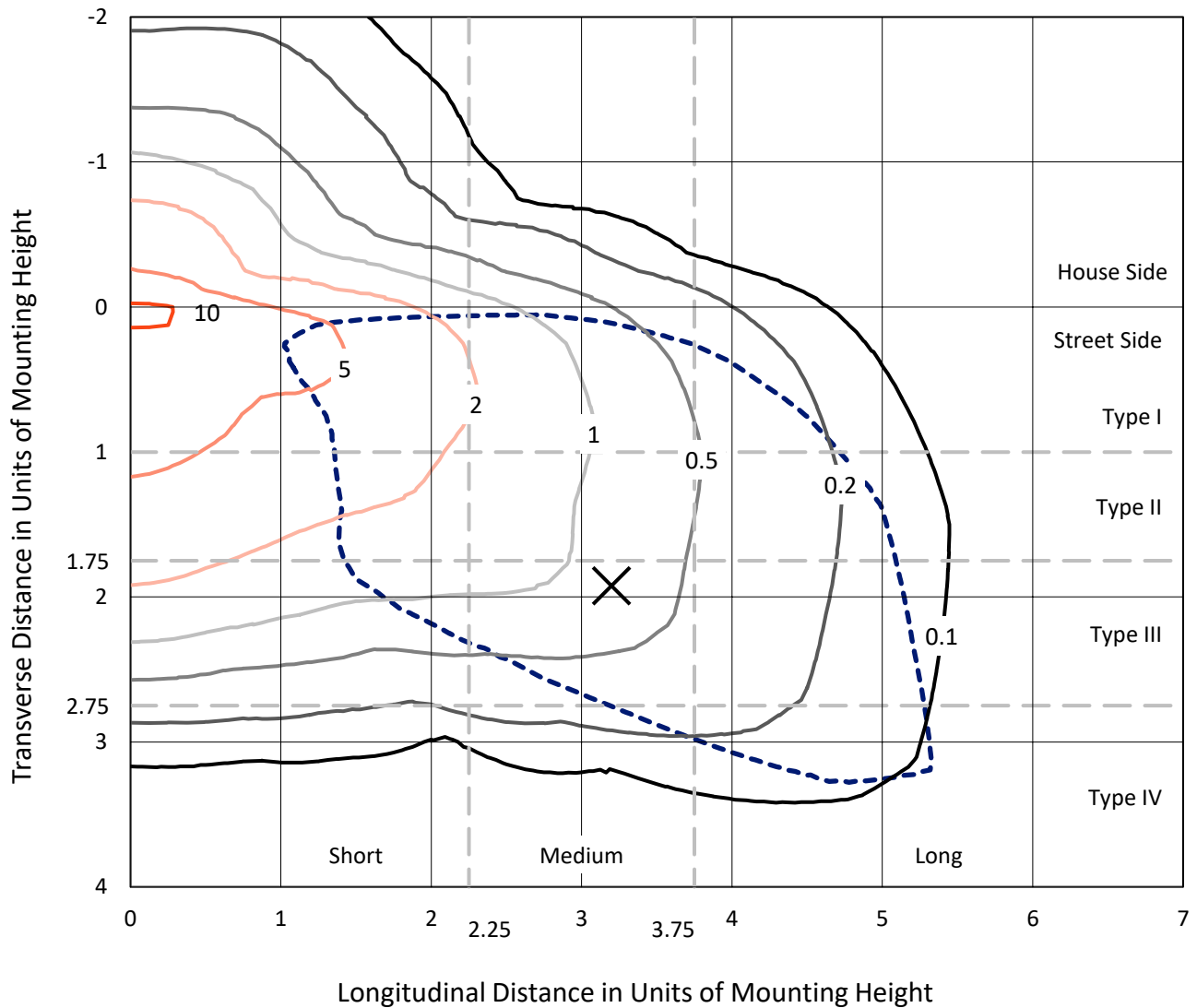
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

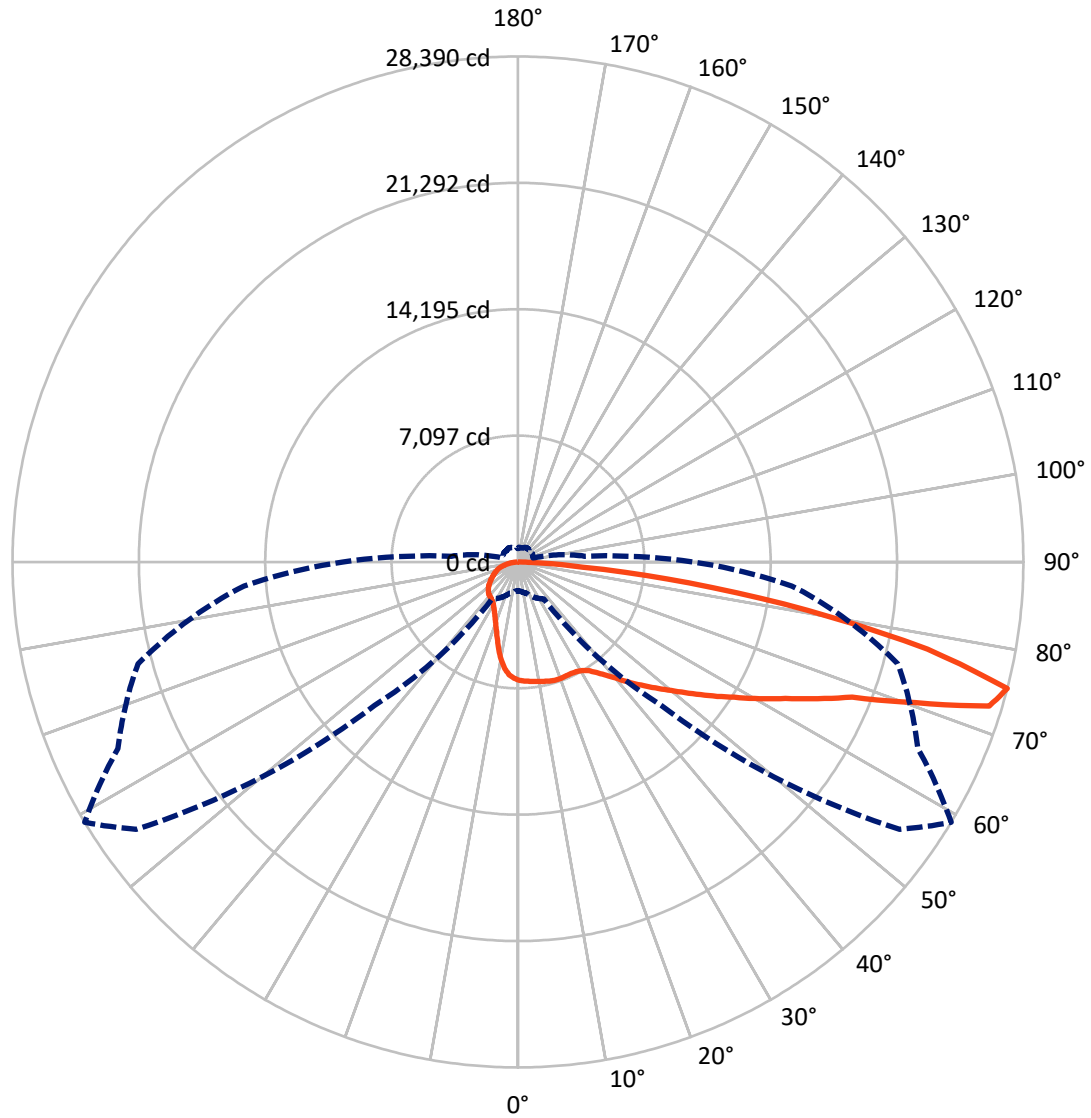
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6791.6	0.0	6791.6
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	29419.4	0.0	29419.4
	% Fixture	81.2	0.0	81.2
Total	Lumens	36211.0	0.0	36211.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.0	1.6
10°-20°	1523.3	4.2
20°-30°	2313.8	6.4
30°-40°	3439.4	9.5
40°-50°	5115.0	14.1
50°-60°	6943.0	19.2
60°-70°	8476.2	23.4
70°-80°	6652.0	18.4
80°-90°	1152.3	3.2
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°	36211.0	100.0
0°-180°	36211.0	100.0



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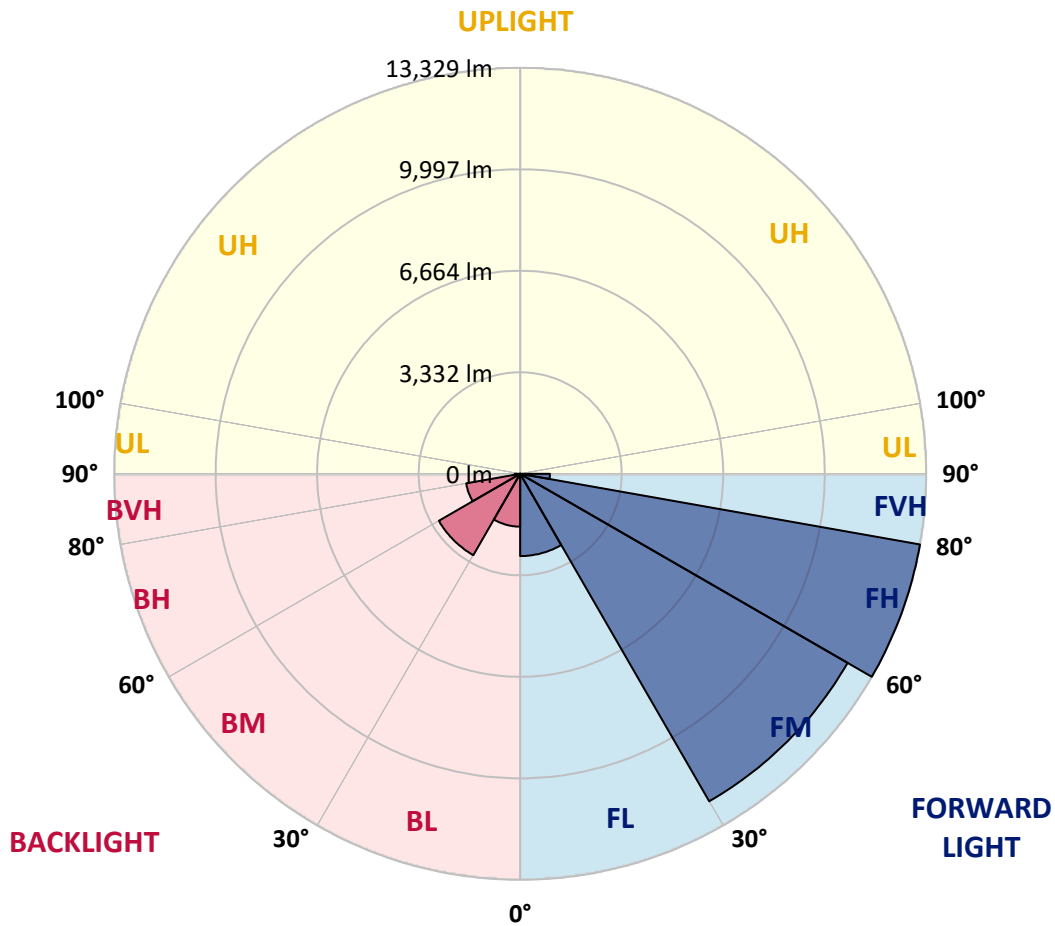
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2699.9	7.5			
FM (30°-60°)	12414.6	34.3			
FH (60°-80°)	13328.9	36.8			G5
FVH (80°-90°)	975.9	2.7			G5
BL (0°-30°)	1733.1	4.8	B3/2500		
BM (30°-60°)	3082.7	8.5	B3/5000		
BH (60°-80°)	1799.4	5.0	B3/2500		G3/2500
BVH (80°-90°)	176.4	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-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	6646.4	6646.4	6646.4	6646.4	6646.4	6646.4	6646.4	6646.4	6646.4	6646.4
2.5°	6702.9	6679.6	6702.9	6693.2	6689.3	6681.5	6683.5	6697.1	6689.3	6699.0
5°	6658.1	6644.5	6667.9	6662.0	6687.4	6691.3	6716.6	6732.2	6741.9	6743.8
7.5°	6584.1	6570.5	6603.6	6630.9	6685.4	6701.0	6753.6	6778.9	6792.5	6815.9
10°	6313.3	6307.5	6389.3	6492.6	6621.1	6701.0	6780.9	6823.7	6845.1	6907.5
12.5°	5834.1	5841.9	5949.1	6147.8	6404.9	6662.0	6812.0	6874.4	6907.5	6985.4
15°	5376.4	5374.4	5491.3	5703.6	6064.0	6490.6	6827.6	6934.7	6991.2	7106.2
17.5°	5111.5	5103.7	5185.5	5347.2	5682.2	6227.6	6788.6	6967.9	7088.6	7232.8
20°	5062.8	5047.2	5090.0	5169.9	5407.5	5939.3	6687.4	6967.9	7166.6	7353.6
22.5°	5240.0	5214.7	5197.2	5187.4	5292.6	5701.7	6572.4	6944.5	7281.5	7526.9
25°	5596.5	5557.5	5467.9	5380.3	5349.1	5594.5	6471.1	6938.6	7452.9	7760.7
27.5°	6173.1	6124.4	5943.2	5732.9	5543.9	5649.1	6426.3	6973.7	7641.9	8008.1
30°	6888.0	6835.4	6607.5	6284.1	5945.2	5851.7	6482.8	7076.9	7883.4	8337.3
32.5°	7528.9	7470.4	7275.6	6946.4	6488.7	6202.3	6662.0	7273.7	8263.3	8795.1
35°	8097.7	8029.5	7854.2	7550.3	7154.9	6695.1	6985.4	7622.4	8802.8	9539.2
37.5°	8654.8	8574.9	8384.0	8062.6	7786.0	7351.6	7431.5	8070.4	9519.7	10443.0
40°	9278.1	9163.2	8931.4	8613.9	8345.1	8121.1	8017.8	8619.7	10248.2	11452.1
42.5°	9882.0	9772.9	9496.3	9225.6	8888.6	8824.3	8697.7	9262.6	11044.9	12560.5
45°	10532.6	10402.1	10067.1	9724.2	9511.9	9291.8	9356.1	9905.4	11826.1	13690.3
47.5°	11142.3	10996.2	10600.8	10219.0	10102.1	9685.3	9959.9	10612.5	12638.4	14835.7
50°	11471.6	11327.4	10998.2	10653.4	10561.9	10170.3	10614.4	11389.7	13489.6	15977.2
52.5°	11746.2	11590.4	11159.9	10969.0	10941.7	10698.2	11420.9	12278.0	14340.9	16986.2
55°	12038.4	11865.0	11315.7	11144.3	11269.0	11290.4	12377.4	13285.1	15240.9	17970.0
57.5°	12375.4	12155.3	11465.7	11292.3	11588.4	11983.9	13476.0	14329.2	16125.2	18881.6
60°	12692.9	12470.9	11754.0	11528.0	11933.2	12788.4	14736.3	15593.4	17126.5	19693.9
62.5°	12755.3	12572.2	11983.9	11981.9	12400.7	13727.3	16228.5	16869.4	18001.1	20496.5
65°	11676.1	11561.2	11212.5	11964.4	13070.8	15079.2	17890.1	18501.7	19113.4	21197.7
67.5°	8886.6	8902.2	8876.9	10328.1	12529.3	17021.3	20295.8	20249.1	20486.7	21984.7
70°	4063.4	4155.0	4751.1	7129.5	10037.9	17245.3	24273.6	23667.7	22210.7	23003.5
72.5°	2195.4	2265.5	2509.0	3453.7	6034.8	15332.4	27246.2	27676.7	24503.4	23689.2
75°	1611.0	1649.9	1819.4	2195.4	2534.3	11395.6	26180.6	28389.6	24789.8	22089.9
77.5°	1205.8	1223.3	1361.6	1739.5	1297.3	6007.5	20919.2	23511.9	21221.1	18149.2
80°	874.6	894.1	997.4	1305.1	909.7	2197.3	14364.3	16503.1	14533.7	11568.9
82.5°	603.9	611.7	656.5	888.3	635.0	853.2	8150.3	9677.5	8113.3	4059.6
85°	364.3	374.0	393.5	518.2	360.4	405.2	3518.0	3638.8	2425.2	970.1
87.5°	150.0	159.7	175.3	218.2	142.2	113.0	580.5	728.5	453.9	284.4
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°
6646.4	0°	6646.4	6646.4	6646.4	6646.4	6646.4	6646.4	6646.4	6646.4	6646.4	6646.4
6665.9	2.5°	6656.2	6642.6	6605.5	6554.9	6508.1	6449.7	6424.4	6403.0	6383.5	6346.5
6718.5	5°	6697.1	6660.1	6560.7	6432.2	6286.1	6126.3	5970.5	5863.4	5771.8	5703.6
6778.9	7.5°	6759.4	6689.3	6508.1	6245.2	5910.1	5567.3	5257.6	5037.4	4871.9	4811.5
6864.6	10°	6823.7	6740.0	6424.4	5960.8	5382.2	4854.3	4443.3	4217.3	4084.9	4042.0
6965.9	12.5°	6899.7	6777.0	6293.9	5565.3	4792.0	4213.4	3855.0	3722.6	3654.4	3631.0
7090.6	15°	7010.7	6808.1	6097.1	5070.5	4229.0	3745.9	3514.1	3422.6	3387.5	3385.6
7219.1	17.5°	7094.5	6814.0	5791.3	4540.7	3796.6	3463.5	3272.6	3237.5	3260.9	3296.0
7345.8	20°	7188.0	6761.4	5390.0	4057.6	3492.7	3216.1	3136.2	3159.6	3216.1	3266.7
7513.3	22.5°	7254.2	6665.9	4905.0	3681.6	3229.7	3073.9	3070.0	3118.7	3149.9	3175.2
7710.0	25°	7312.7	6504.2	4390.7	3366.1	3013.5	2988.2	3031.0	3015.4	2994.0	3015.4
7906.8	27.5°	7355.5	6249.1	3931.0	3089.5	2861.6	2929.7	2904.4	2869.3	2867.4	2879.1
8138.6	30°	7341.9	5908.2	3553.1	2826.5	2754.4	2820.6	2760.3	2754.4	2748.6	2754.4
8487.3	32.5°	7341.9	5520.5	3262.8	2645.3	2686.2	2660.9	2655.1	2641.4	2618.1	2616.1
8960.6	35°	7382.8	5132.9	3013.5	2547.9	2629.7	2569.4	2573.3	2540.1	2491.4	2468.1
9587.9	37.5°	7466.5	4821.2	2766.1	2501.2	2530.4	2528.5	2512.9	2456.4	2370.7	2296.6
10371.0	40°	7669.1	4729.7	2596.6	2479.8	2483.7	2507.0	2466.1	2357.0	2162.2	2041.5
11165.7	42.5°	7986.6	4883.5	2559.6	2427.2	2452.5	2475.9	2396.0	2142.8	2004.5	1932.4
11999.4	45°	8389.9	5152.4	2639.5	2351.2	2378.5	2419.4	2181.7	2060.9	1998.6	2000.6
12825.4	47.5°	8900.2	5434.8	2787.5	2285.0	2271.3	2294.7	2039.5	1965.5	1879.8	1901.2
13618.2	50°	9490.5	5721.2	2927.8	2195.4	2152.5	2076.5	1948.0	1877.8	1768.8	1718.1
14383.8	52.5°	10129.4	5997.8	2984.3	2086.3	2023.9	1936.3	1885.6	1799.9	1667.5	1583.7
15106.4	55°	10735.2	6249.1	2921.9	1955.8	1895.4	1827.2	1819.4	1766.8	1624.6	1507.7
15749.3	57.5°	11307.9	6459.4	2766.1	1823.3	1764.9	1723.9	1776.5	1751.2	1572.0	1422.0
16357.0	60°	11793.0	6603.6	2540.1	1688.9	1648.0	1626.5	1706.4	1698.6	1498.0	1330.5
16902.5	62.5°	12178.7	6660.1	2290.8	1560.3	1550.6	1511.6	1609.0	1609.0	1404.5	1240.9
17381.7	65°	12480.6	6605.5	2037.6	1433.7	1453.2	1394.7	1490.2	1478.5	1305.1	1161.0
17932.9	67.5°	12747.5	6426.3	1757.1	1309.0	1353.8	1279.8	1365.5	1338.3	1196.0	1081.1
18410.2	70°	12866.3	6009.5	1437.6	1184.4	1238.9	1166.8	1240.9	1190.2	1073.3	995.4
17886.2	72.5°	11911.8	4994.6	1131.8	1053.8	1100.6	1042.2	1106.4	1048.0	940.9	905.8
15445.4	75°	9854.7	3747.9	870.7	911.6	946.7	901.9	944.8	901.9	804.5	829.8
11409.2	77.5°	7156.8	2530.4	666.2	761.7	777.2	753.9	790.9	742.2	654.5	648.7
5686.1	80°	3558.9	1482.4	522.1	601.9	596.1	580.5	623.3	600.0	525.9	557.1
1535.0	82.5°	1030.5	635.0	379.9	422.7	411.0	414.9	446.1	457.8	685.7	679.8
477.3	85°	323.4	249.3	227.9	235.7	224.0	229.9	263.0	522.1	483.1	282.5
148.0	87.5°	83.8	85.7	56.5	60.4	62.3	74.0	83.8	317.5	151.9	99.3
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>
6646.4
6328.9
5647.1
4706.3
3975.8
3636.8
3393.4
3309.6
3284.3
3188.8
3029.1
2898.6
2775.8
2641.4
2491.4
2322.0
2057.0
1932.4
2010.3
1955.8
1731.7
1581.7
1507.7
1414.2
1324.6
1235.0
1153.2
1073.3
979.8
876.6
757.8
619.5
551.3
695.4
305.8
105.2
0.0

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