

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: P954426

Luminaire Tested: **GALN-SB7C-935-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954426
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7C-935-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 90 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36978 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

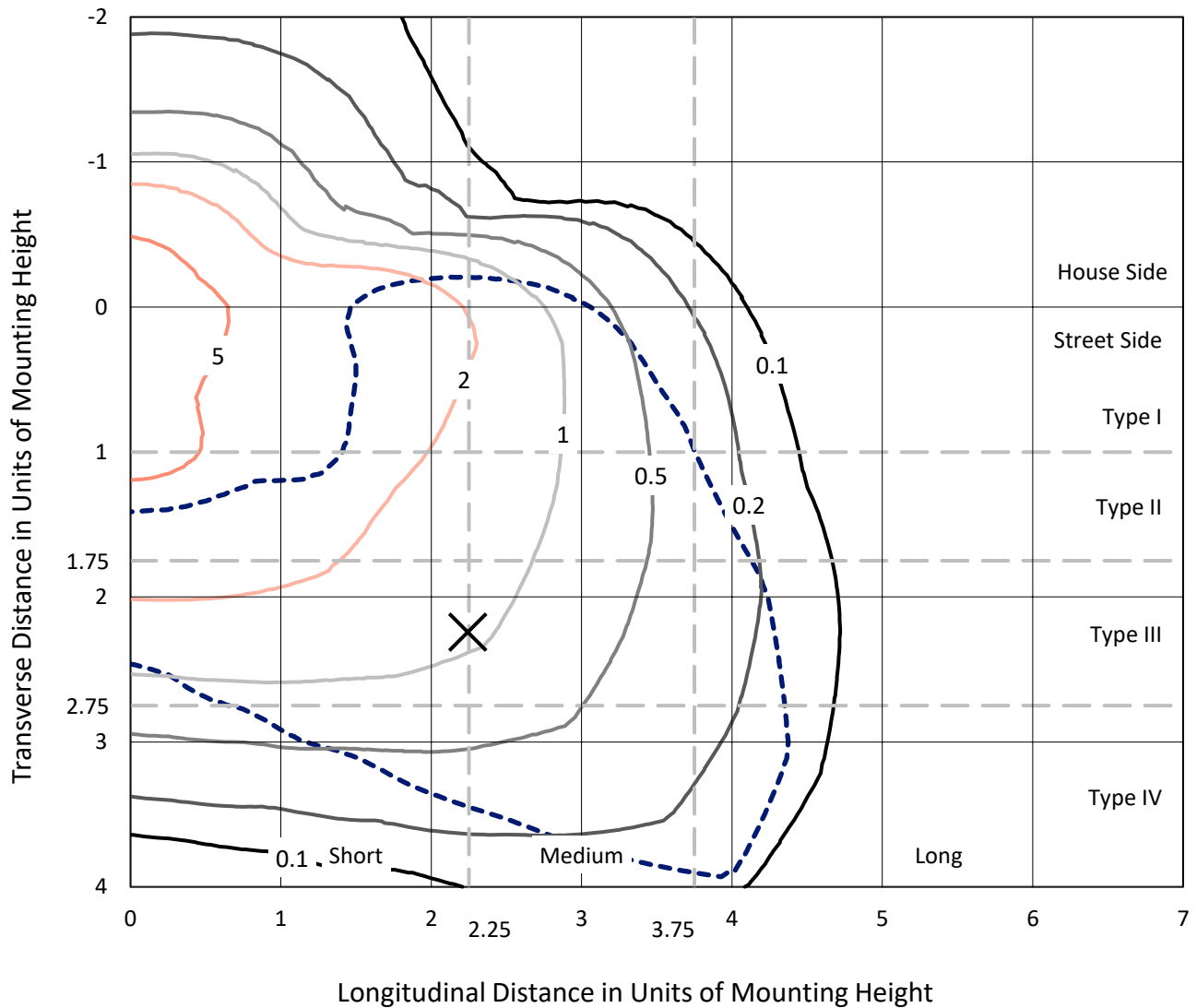
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

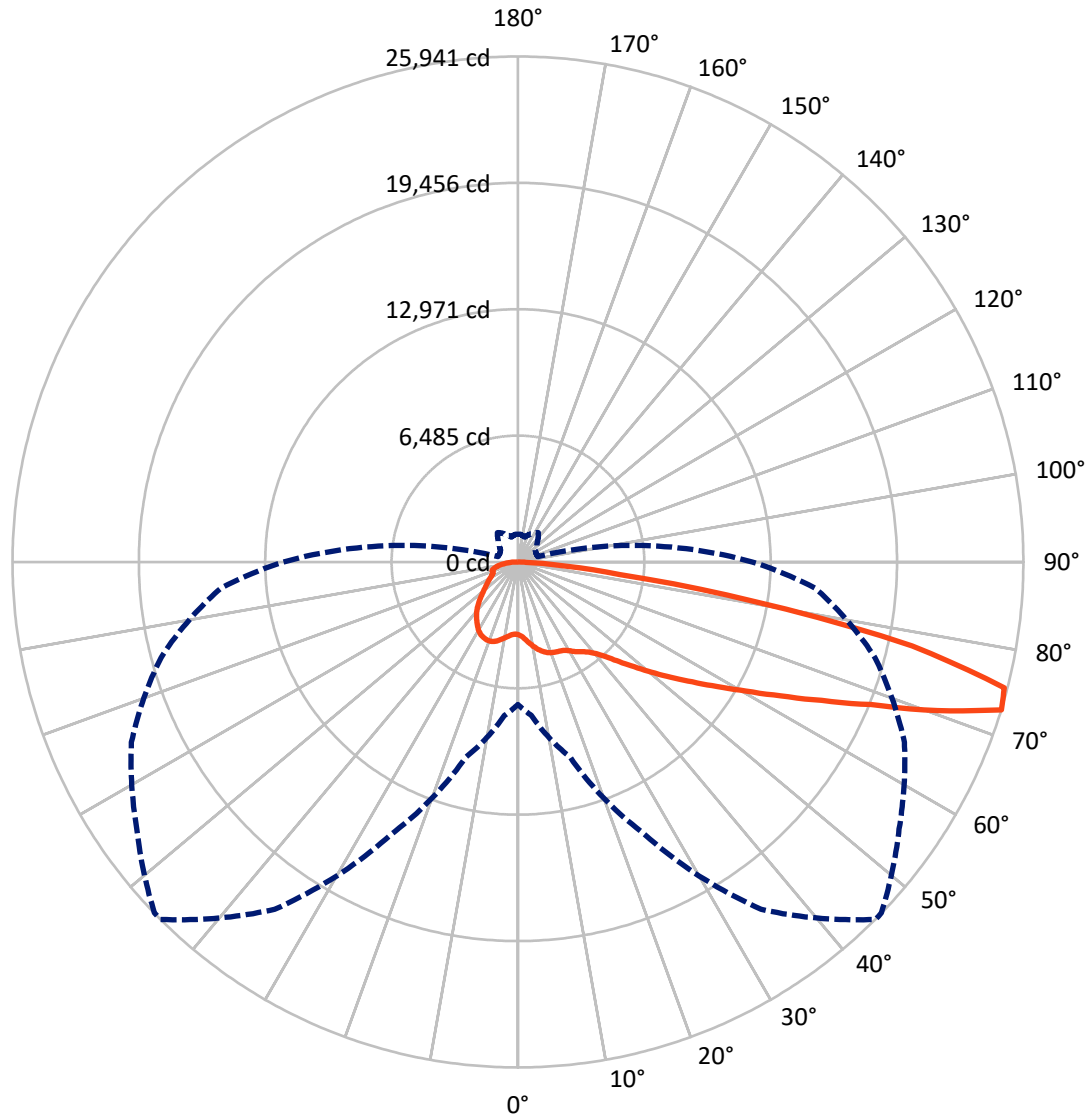
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8359.5	0.0	8359.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	28618.5	0.0	28618.5
	% Fixture	77.4	0.0	77.4
Total	Lumens	36978.0	0.0	36978.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	379.7	1.0
10°-20°	1265.9	3.4
20°-30°	2202.1	6.0
30°-40°	3156.8	8.5
40°-50°	4445.0	12.0
50°-60°	6808.4	18.4
60°-70°	9863.0	26.7
70°-80°	7876.2	21.3
80°-90°	980.9	2.7
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°	36978.0	100.0
0°-180°	36978.0	100.0



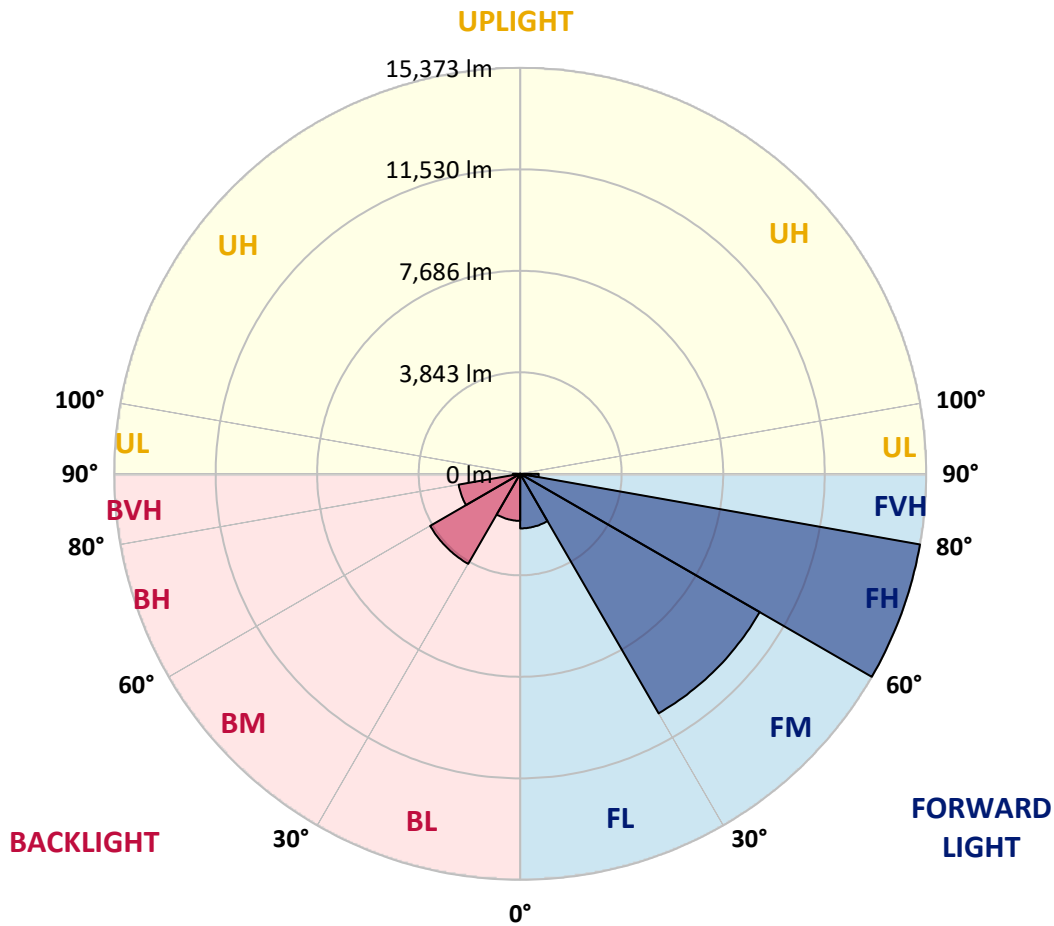
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2067.9	5.6			
FM (30°-60°)	10474.1	28.3			
FH (60°-80°)	15372.8	41.6			G5
FVH (80°-90°)	703.7	1.9			G4/750
BL (0°-30°)	1779.8	4.8	B3/2500		
BM (30°-60°)	3936.1	10.6	B3/5000		
BH (60°-80°)	2366.3	6.4	B3/2500		G3/2500
BVH (80°-90°)	277.2	0.7			G3/500
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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	3730.4	3730.4	3730.4	3730.4	3730.4	3730.4	3730.4	3730.4	3730.4	3730.4
2.5°	3876.5	3901.8	3878.4	3857.0	3847.2	3821.9	3820.0	3804.4	3794.6	3767.4
5°	4147.2	4180.3	4141.4	4098.5	4059.6	3997.2	3989.4	3944.6	3894.0	3835.6
7.5°	4453.1	4482.3	4437.5	4373.2	4305.0	4201.8	4199.8	4118.0	4038.1	3938.8
10°	4719.9	4758.9	4698.5	4610.8	4525.1	4408.3	4394.6	4301.1	4199.8	4071.3
12.5°	4955.6	4982.9	4924.5	4817.3	4718.0	4601.1	4583.6	4480.3	4367.3	4221.2
15°	5142.6	5177.7	5099.8	4984.9	4879.7	4764.7	4749.1	4655.6	4542.7	4388.8
17.5°	5265.4	5294.6	5214.7	5086.1	4984.9	4889.4	4877.7	4799.8	4700.4	4544.6
20°	5312.1	5343.3	5259.5	5129.0	5035.5	4961.5	4955.6	4899.1	4831.0	4688.8
22.5°	5358.9	5388.1	5279.0	5142.6	5060.8	5014.1	5012.1	4975.1	4947.8	4831.0
25°	5547.8	5555.6	5409.5	5212.8	5095.9	5055.0	5053.0	5051.1	5062.8	4971.2
27.5°	5711.4	5709.5	5584.8	5399.8	5218.6	5132.9	5131.0	5150.4	5187.4	5111.5
30°	5951.0	5929.6	5781.6	5588.7	5423.1	5290.7	5279.0	5261.5	5290.7	5230.3
32.5°	6459.5	6391.3	6151.7	5808.8	5592.6	5491.3	5475.7	5366.7	5378.3	5341.3
35°	7188.0	7098.4	6778.9	6225.7	5803.0	5658.8	5651.1	5512.8	5489.4	5456.3
37.5°	8054.9	7943.8	7571.8	6829.6	6165.3	5853.6	5842.0	5717.3	5621.8	5586.8
40°	8925.6	8785.3	8477.6	7565.9	6699.1	6179.0	6141.9	5953.0	5843.9	5785.5
42.5°	9771.0	9654.1	9391.2	8391.9	7357.5	6654.3	6572.4	6249.1	6167.3	6112.7
45°	10519.0	10413.8	10221.0	9274.3	8128.9	7301.0	7221.1	6693.2	6667.9	6667.9
47.5°	11126.8	11103.4	10898.9	10174.2	9038.6	8037.3	7899.0	7310.7	7378.9	7484.1
50°	11800.8	11736.5	11518.3	11060.6	10108.0	8880.8	8767.8	8068.5	8323.7	8612.0
52.5°	12420.2	12455.3	12211.8	11983.9	11315.8	9821.7	9623.0	8962.6	9513.9	9991.1
55°	13057.2	13059.2	12991.0	12959.8	12581.9	10861.9	10643.7	10037.9	10914.5	11506.7
57.5°	13655.3	13659.2	13760.5	14035.1	14050.7	12061.8	11814.4	11358.6	12470.9	13074.8
60°	14189.0	14216.3	14492.9	15135.7	15342.2	13437.1	13203.3	12918.9	14079.9	14687.7
62.5°	14368.2	14467.6	15083.1	15996.7	16618.1	15124.0	14894.2	14724.7	15770.8	16335.7
65°	14064.3	14292.2	15482.5	16707.7	17931.1	17128.5	16900.6	16715.5	17527.8	18059.6
67.5°	13318.3	13612.4	15459.1	17453.8	19524.5	19540.1	19327.7	18893.4	19411.5	19616.0
70°	11352.8	11793.0	14097.5	17732.4	21353.6	22838.0	22633.5	21515.3	21291.3	20301.7
72.5°	7314.6	7906.8	10380.7	15439.6	21760.8	25941.1	25929.4	23882.1	21885.4	18969.3
75°	2668.7	3031.0	4823.2	9691.1	18266.1	25783.3	25859.3	23476.9	19978.4	14652.6
77.5°	972.0	1063.6	1574.0	3724.5	11233.9	20687.4	20845.2	18768.7	14220.2	7353.6
80°	510.4	561.0	806.5	1445.4	4813.4	12285.8	12533.2	11154.1	6683.5	2214.8
82.5°	282.5	305.8	451.9	785.0	2168.1	5253.7	5401.7	4406.3	2351.2	938.9
85°	151.9	161.7	212.3	428.6	1059.7	1821.4	1862.3	1316.8	937.0	551.3
87.5°	44.8	54.5	70.1	136.4	414.9	409.1	418.8	261.0	370.1	278.6
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°
3730.4	0°	3730.4	3730.4	3730.4	3730.4	3730.4	3730.4	3730.4	3730.4	3730.4	3730.4
3759.6	2.5°	3747.9	3742.0	3720.6	3710.9	3699.2	3697.2	3707.0	3708.9	3710.9	3712.8
3802.4	5°	3783.0	3763.5	3744.0	3732.3	3736.2	3738.2	3757.6	3771.3	3781.0	3788.8
3882.3	7.5°	3851.1	3835.6	3802.4	3800.5	3806.3	3823.9	3849.2	3880.4	3897.9	3911.5
3985.5	10°	3952.4	3923.2	3884.3	3890.1	3901.8	3927.1	3979.7	4005.0	4034.2	4059.6
4112.2	12.5°	4055.7	4030.3	3985.5	3989.4	4008.9	4053.7	4104.4	4135.5	4155.0	4174.5
4248.5	15°	4190.1	4145.3	4096.6	4096.6	4131.6	4180.3	4203.7	4229.0	4240.7	4262.2
4394.6	17.5°	4328.4	4269.9	4205.7	4201.8	4244.6	4268.0	4281.6	4285.5	4289.4	4312.8
4536.8	20°	4466.7	4402.4	4310.9	4303.1	4312.8	4308.9	4307.0	4303.1	4308.9	4338.1
4682.9	22.5°	4603.1	4529.0	4402.4	4367.3	4340.1	4303.1	4301.1	4299.2	4303.1	4332.3
4840.7	25°	4762.8	4673.2	4503.7	4398.5	4307.0	4256.3	4262.2	4264.1	4268.0	4291.4
5004.3	27.5°	4936.2	4836.8	4597.2	4388.8	4223.2	4188.1	4178.4	4184.2	4197.9	4234.9
5168.0	30°	5109.5	4992.6	4682.9	4349.8	4118.0	4069.3	4038.1	4051.8	4094.6	4131.6
5310.2	32.5°	5267.3	5150.4	4751.1	4264.1	3983.6	3907.6	3866.7	3884.3	3927.1	3940.7
5467.9	35°	5452.4	5319.9	4780.3	4127.7	3837.5	3720.6	3666.1	3640.8	3662.2	3648.5
5653.0	37.5°	5658.8	5520.5	4776.4	3948.5	3666.1	3531.7	3455.7	3360.2	3315.4	3268.7
5925.7	40°	5964.7	5766.0	4729.7	3732.3	3453.7	3331.0	3194.7	3033.0	2931.7	2840.1
6366.0	42.5°	6381.5	6106.9	4644.0	3494.7	3214.1	3099.2	2914.2	2725.2	2565.5	2413.5
7034.1	45°	7002.9	6553.0	4536.8	3241.4	2955.1	2842.1	2641.4	2429.1	2248.0	2053.2
7982.8	47.5°	7899.0	7152.9	4435.5	2953.1	2682.4	2579.1	2397.9	2201.2	1986.9	1798.0
9354.1	50°	9130.1	8013.9	4342.0	2672.6	2413.5	2335.6	2191.5	1990.8	1774.6	1622.7
10961.2	52.5°	10696.3	9184.7	4303.1	2401.8	2162.2	2133.0	2018.1	1831.1	1626.6	1498.0
12835.2	55°	12494.3	10585.3	4303.1	2142.8	1942.1	1951.9	1872.0	1698.6	1521.4	1406.4
14767.6	57.5°	14329.3	12003.4	4225.1	1903.2	1755.1	1796.0	1745.4	1593.4	1433.7	1314.9
16799.3	60°	16020.1	13191.6	3909.6	1685.0	1589.5	1653.8	1620.7	1490.2	1295.4	1196.1
18497.9	62.5°	17319.4	13861.7	3301.8	1511.6	1453.2	1527.2	1509.7	1353.8	1270.1	1229.2
19892.7	65°	17970.0	13752.7	2524.6	1357.7	1338.3	1453.2	1416.2	1410.3	1344.1	1297.3
20346.5	67.5°	17570.7	12813.7	1831.1	1244.8	1272.0	1385.0	1527.2	1550.6	1427.9	1336.3
19068.7	70°	15819.5	11115.1	1363.6	1137.6	1188.3	1387.0	1741.5	1622.7	1400.6	1293.5
15293.5	72.5°	12034.6	8288.6	1057.7	1024.6	1079.2	1396.7	1836.9	1589.5	1322.7	1429.8
9527.5	75°	6882.2	4550.5	849.3	886.3	942.8	1305.1	1788.2	1503.8	1262.3	1312.9
3775.2	77.5°	2623.9	1749.3	701.3	750.0	757.8	1139.6	1710.3	1498.0	1201.9	1172.7
1131.8	80°	909.7	683.7	580.5	596.1	586.3	1012.9	1640.2	1303.2	983.7	880.5
467.5	82.5°	372.1	340.9	459.7	440.2	416.9	787.0	1324.6	1065.5	804.5	711.0
226.0	85°	161.7	216.2	303.9	266.9	241.5	545.4	1061.6	901.9	679.8	586.3
74.0	87.5°	33.1	81.8	128.6	120.8	124.7	364.3	753.9	640.9	481.1	360.4
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

<u>180°</u>
3730.4
3720.6
3792.7
3915.4
4053.7
4182.3
4269.9
4320.6
4349.8
4351.8
4322.5
4271.9
4172.5
3989.4
3691.4
3297.9
2846.0
2399.9
2029.8
1776.5
1612.9
1488.2
1394.7
1295.4
1180.5
1215.5
1281.8
1320.7
1275.9
<i>1418.1</i>
1312.9
1069.4
851.3
703.2
584.4
282.5
0.0

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