

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: P952228

Luminaire Tested: **GALN-SB6A-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952228
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6A-927-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16457 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

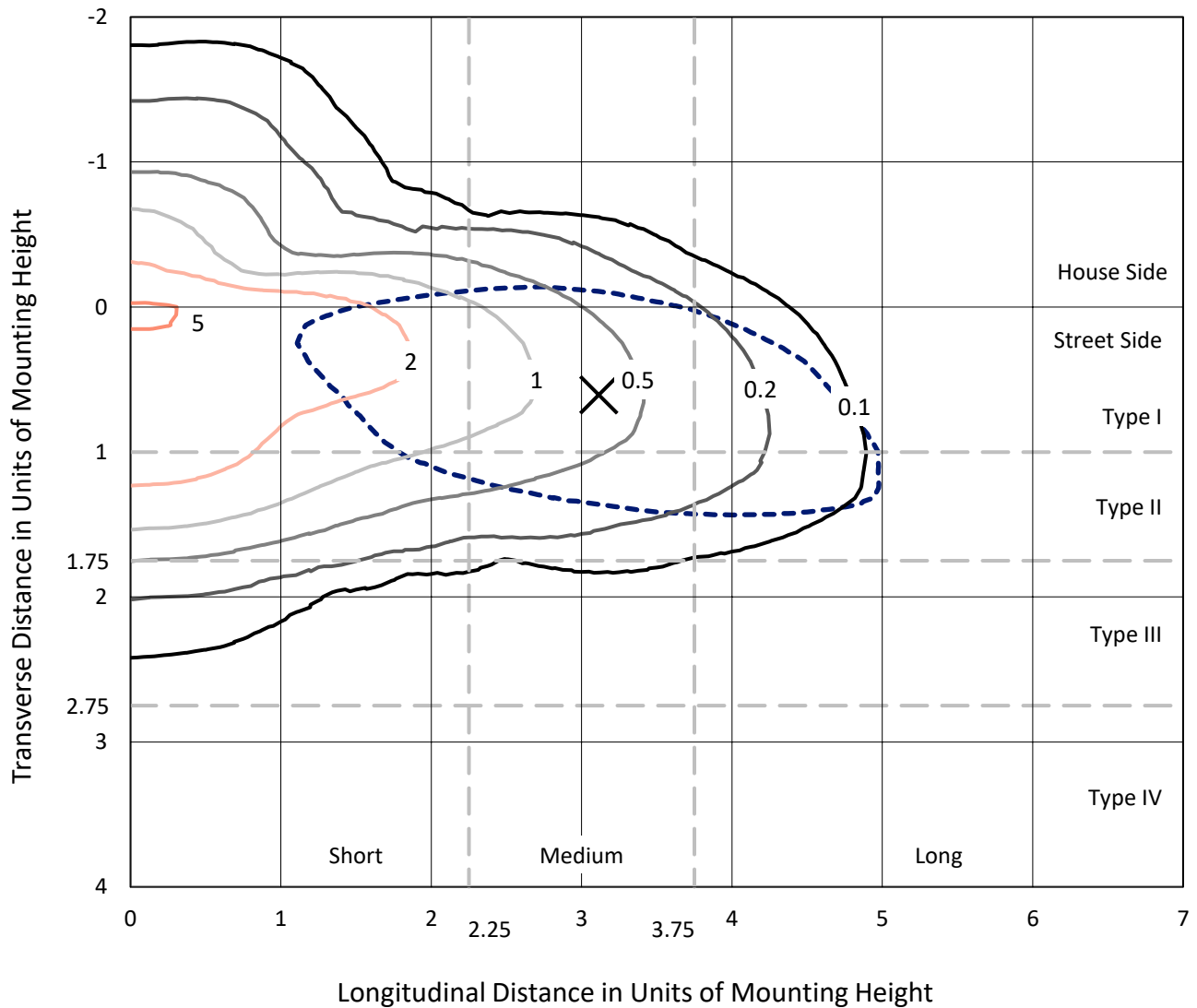
Input Watts (W): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

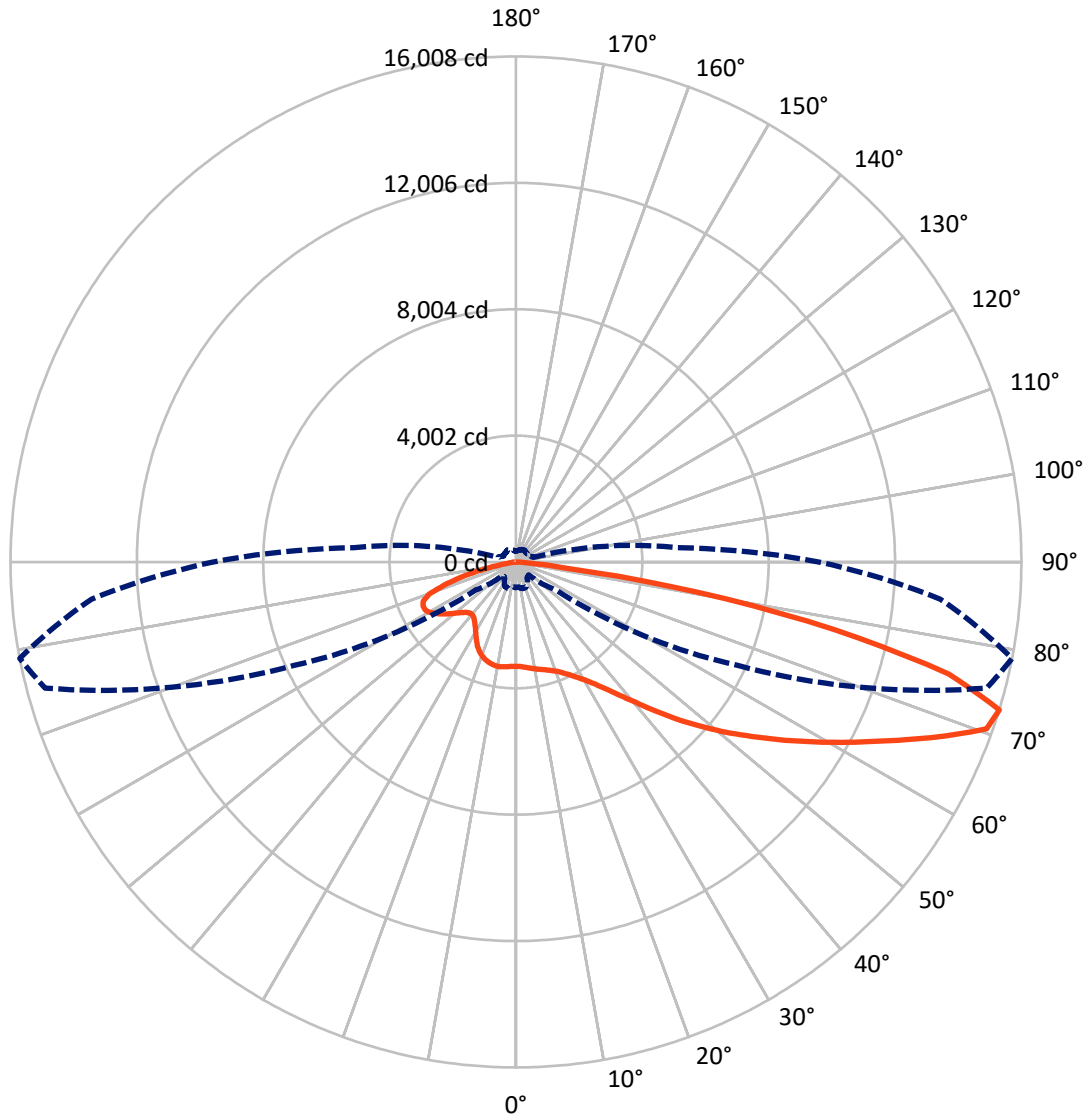
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3621.4	0.0	3621.4
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	12835.6	0.0	12835.6
	% Fixture	78.0	0.0	78.0
Total	Lumens	16457.0	0.0	16457.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.9	1.8
10°-20°	784.0	4.8
20°-30°	1265.1	7.7
30°-40°	1898.7	11.5
40°-50°	2693.4	16.4
50°-60°	3401.4	20.7
60°-70°	3454.6	21.0
70°-80°	2354.5	14.3
80°-90°	305.5	1.9
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°	16457.0	100.0
0°-180°	16457.0	100.0

Coefficient of Utilization



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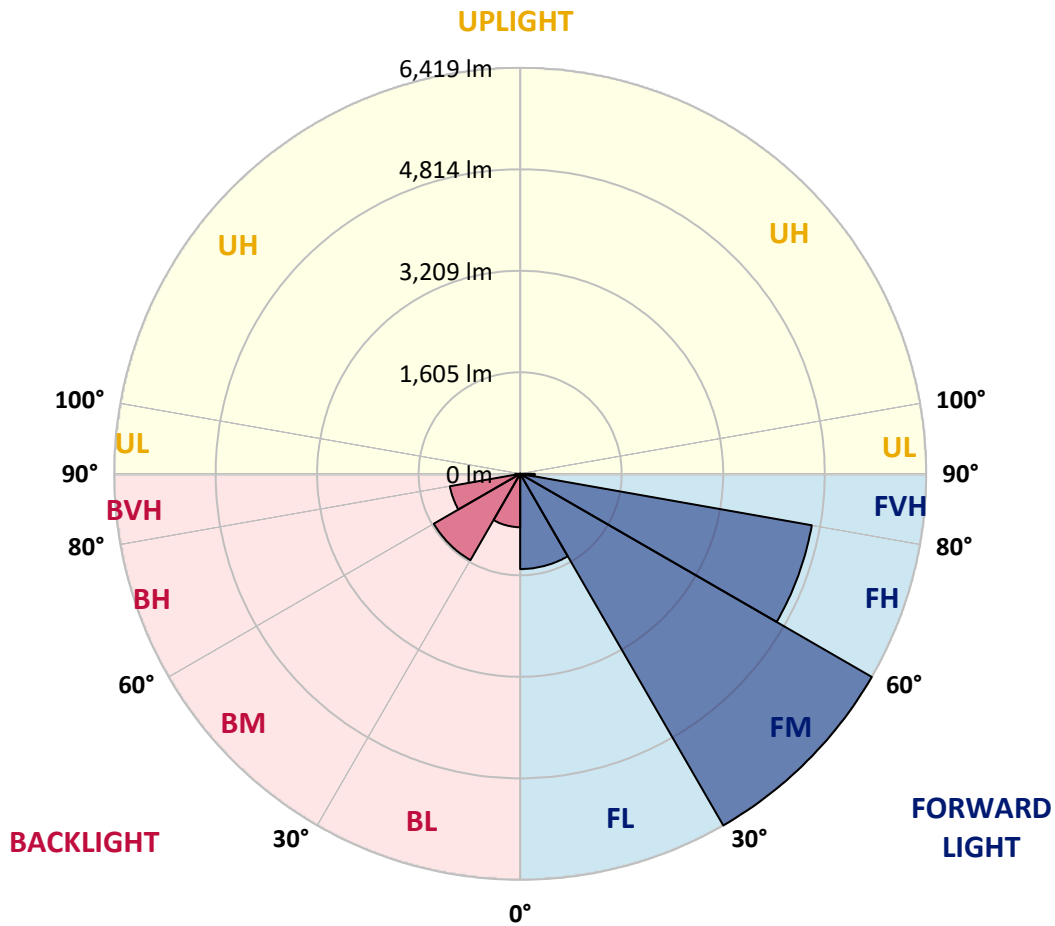
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1505.4	9.1			
FM (30°-60°)	6418.6	39.0			
FH (60°-80°)	4681.5	28.4			G2/5000
FVH (80°-90°)	230.1	1.4			G3/500
BL (0°-30°)	843.5	5.1	B2/1000		
BM (30°-60°)	1574.9	9.6	B2/2500		
BH (60°-80°)	1127.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	75.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°
0°	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6
2.5°	3305.3	3289.7	3299.2	3295.8	3300.1	3305.3	3307.1	3309.7	3318.4	3317.5
5°	3298.4	3282.7	3295.8	3291.4	3302.7	3314.9	3325.3	3334.9	3348.9	3354.9
7.5°	3283.6	3273.1	3286.2	3299.2	3320.1	3338.4	3353.2	3375.0	3395.0	3398.5
10°	3197.4	3189.5	3220.0	3254.0	3311.4	3361.0	3393.2	3418.5	3440.3	3443.7
12.5°	3107.7	3098.1	3132.1	3178.2	3271.4	3361.0	3428.9	3462.0	3481.2	3492.5
15°	3092.9	3085.1	3104.2	3144.3	3221.8	3337.5	3453.3	3514.2	3530.8	3543.8
17.5°	3164.3	3149.5	3157.3	3171.3	3216.5	3315.8	3472.5	3573.4	3598.7	3612.6
20°	3329.7	3308.8	3296.6	3268.8	3260.9	3319.3	3470.7	3644.8	3677.9	3695.3
22.5°	3549.9	3536.0	3509.9	3439.4	3362.8	3361.9	3503.8	3736.2	3798.0	3814.6
25°	3816.3	3795.4	3762.3	3666.6	3519.5	3446.3	3559.5	3852.9	3956.5	3960.8
27.5°	4122.7	4091.4	4046.1	3919.9	3721.4	3578.7	3644.8	3986.9	4138.4	4136.7
30°	4445.7	4414.4	4366.5	4213.3	3963.4	3757.1	3763.2	4131.4	4354.3	4344.7
32.5°	4681.6	4658.1	4648.5	4530.1	4242.0	3967.8	3899.0	4291.6	4620.7	4612.0
35°	4862.7	4832.2	4843.5	4783.5	4545.8	4203.7	4065.3	4482.3	4944.5	4943.6
37.5°	5042.0	5015.0	5024.6	4984.5	4827.0	4503.1	4268.1	4715.6	5345.8	5365.0
40°	5205.7	5176.9	5215.2	5177.8	5045.5	4821.8	4498.8	4979.3	5810.7	5847.2
42.5°	5304.0	5281.4	5344.9	5345.8	5235.2	5090.7	4752.1	5270.1	6348.6	6430.5
45°	5338.0	5330.1	5425.9	5445.9	5403.3	5246.6	4980.2	5586.9	6928.4	7074.6
47.5°	5301.4	5286.6	5418.9	5492.9	5526.9	5319.7	5169.1	5929.9	7520.3	7734.5
50°	5116.9	5088.1	5284.9	5440.7	5561.7	5367.6	5359.7	6326.0	8193.2	8427.4
52.5°	4785.2	4763.4	4987.2	5257.9	5485.1	5391.1	5573.9	6758.6	8832.2	9135.1
55°	4361.3	4332.5	4578.9	4932.3	5294.4	5383.2	5788.0	7242.6	9586.1	9893.3
57.5°	3689.2	3631.8	3943.4	4361.3	4983.7	5373.7	6010.9	7724.0	10352.1	10720.3
60°	2709.0	2623.7	3005.9	3501.2	4376.1	5280.5	6286.8	8263.8	11271.4	11603.0
62.5°	1577.4	1527.7	1777.6	2239.8	3298.4	4732.1	6441.8	8891.4	12175.0	12523.2
65°	1224.8	1210.9	1232.6	1268.3	1835.9	3543.0	5963.9	9503.4	13324.0	13567.8
67.5°	1120.3	1109.9	1119.5	1052.4	931.4	1973.4	4718.2	9658.3	14554.9	14702.9
70°	995.9	983.7	1015.0	957.6	733.0	897.5	3048.5	9096.0	15534.3	15811.9
72.5°	811.3	797.4	870.5	844.4	617.2	576.3	1531.2	7759.7	15431.5	16007.8
75°	623.3	615.5	702.5	724.3	503.2	453.5	734.7	5768.0	13580.0	14160.6
77.5°	484.0	477.9	522.3	601.5	405.7	351.7	451.8	3658.8	10233.7	10335.6
80°	363.0	345.6	386.5	465.7	316.0	256.8	306.4	2133.6	6468.8	5863.8
82.5°	227.2	218.5	252.4	310.8	222.9	176.7	199.3	1178.7	2592.4	1526.9
85°	129.7	126.2	137.5	177.6	121.0	101.8	114.0	520.6	473.6	325.6
87.5°	52.2	50.5	62.7	79.2	44.4	37.4	40.0	125.4	104.5	96.6
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°
3303.6	0°	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6	3303.6
3316.6	2.5°	3313.2	3313.2	3301.0	3281.8	3260.1	3246.1	3223.5	3217.4	3193.9	3186.9
3346.2	5°	3353.2	3346.2	3308.8	3254.8	3180.8	3112.9	3038.1	2991.1	2924.9	2901.4
3404.6	7.5°	3403.7	3384.5	3320.1	3201.7	3046.8	2894.4	2736.0	2615.9	2501.0	2460.1
3452.4	10°	3449.8	3422.8	3313.2	3106.0	2837.9	2574.1	2321.7	2144.9	2010.9	1956.0
3505.5	12.5°	3496.0	3446.3	3267.0	2946.7	2541.0	2183.2	1914.3	1776.7	1694.0	1627.9
3549.1	15°	3539.5	3469.9	3195.6	2733.4	2215.4	1852.4	1654.0	1544.3	1478.1	1434.6
3612.6	17.5°	3590.0	3489.9	3088.6	2462.7	1905.5	1623.5	1461.6	1395.4	1382.4	1377.1
3699.7	20°	3660.5	3508.2	2947.5	2159.7	1677.5	1440.7	1357.1	1351.0	1350.2	1347.5
3804.1	22.5°	3736.2	3529.9	2761.3	1884.7	1483.3	1326.7	1311.9	1299.7	1291.8	1291.0
3930.4	25°	3825.9	3536.9	2528.0	1659.2	1318.0	1272.7	1255.3	1237.0	1231.8	1231.8
4074.0	27.5°	3912.9	3513.4	2256.4	1463.3	1224.8	1223.1	1200.4	1194.3	1193.5	1196.1
4237.6	30°	4000.0	3469.0	1986.5	1282.3	1170.8	1170.8	1163.0	1167.4	1170.8	1179.5
4462.2	32.5°	4117.5	3422.0	1761.0	1148.2	1123.8	1115.1	1123.0	1131.7	1135.1	1146.5
4757.3	35°	4289.9	3388.9	1581.7	1075.1	1075.1	1063.8	1068.1	1066.4	1058.5	1053.3
5114.2	37.5°	4517.9	3387.2	1433.7	1041.1	1034.2	1032.4	1033.3	1022.0	991.5	954.9
5546.0	40°	4792.2	3434.2	1319.7	1017.6	1012.4	1022.8	1017.6	987.2	903.6	840.0
6077.0	42.5°	5160.4	3568.2	1246.6	988.9	1004.6	1017.6	996.7	891.4	834.8	792.2
6682.0	45°	5593.9	3785.8	1209.1	958.4	989.8	1005.4	904.5	858.3	813.1	761.7
7341.9	47.5°	6084.9	4060.1	1200.4	929.7	956.7	966.3	865.3	844.4	793.0	737.3
8005.2	50°	6619.4	4384.8	1223.9	895.8	908.8	875.7	852.2	833.1	780.0	725.1
8685.1	52.5°	7172.1	4742.5	1270.9	849.6	860.9	824.4	847.0	830.5	772.1	698.1
9387.6	55°	7715.3	5102.9	1316.2	795.6	812.2	778.2	832.2	820.0	736.5	652.9
10137.1	57.5°	8267.2	5461.6	1360.6	747.8	765.2	733.8	808.7	792.2	696.4	611.1
10955.4	60°	8840.9	5809.8	1381.5	701.6	713.8	692.9	773.0	744.3	651.1	568.4
11759.7	62.5°	9378.0	6099.7	1347.5	655.5	663.3	654.6	726.0	687.7	605.9	520.6
12598.0	65°	9916.9	6272.0	1243.1	610.2	612.0	607.6	659.8	626.8	552.8	478.8
13331.9	67.5°	10405.2	6368.7	1076.8	561.5	557.1	555.4	598.0	560.6	501.4	437.0
13889.9	70°	10508.8	6123.2	822.6	504.0	504.0	499.7	530.1	491.8	444.8	392.6
13490.3	72.5°	9598.2	5150.8	584.1	438.7	445.7	437.0	462.2	430.0	387.4	352.6
11626.5	75°	7739.7	3777.1	424.8	371.7	383.9	369.1	392.6	370.0	333.4	332.5
8012.2	77.5°	5317.9	2335.6	308.2	306.4	315.1	296.0	323.0	310.8	277.7	262.9
3487.3	80°	2269.4	931.4	224.6	236.8	236.8	219.4	250.7	254.2	225.5	218.5
672.9	82.5°	451.8	264.6	157.6	162.8	153.2	148.0	177.6	196.7	271.6	302.1
202.8	85°	135.8	97.5	94.9	88.8	78.3	79.2	104.5	197.6	243.7	139.3
67.0	87.5°	37.4	24.4	25.2	20.0	16.5	21.8	35.7	149.7	81.8	34.8
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>
3303.6
3198.3
2918.8
2465.3
1968.2
1649.6
1442.4
1380.6
1356.3
1300.5
1237.0
1203.0
1185.6
1156.0
1065.5
955.8
838.3
790.4
758.2
733.0
719.0
692.9
648.5
609.4
565.8
519.7
473.6
431.8
390.9
<i>342.1</i>
299.5
246.4
218.5
302.9
120.1
29.6
0.0

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