

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: P949015

Luminaire Tested: **GALN-SB3D-927-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949015
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-SB3D-927-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18472 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

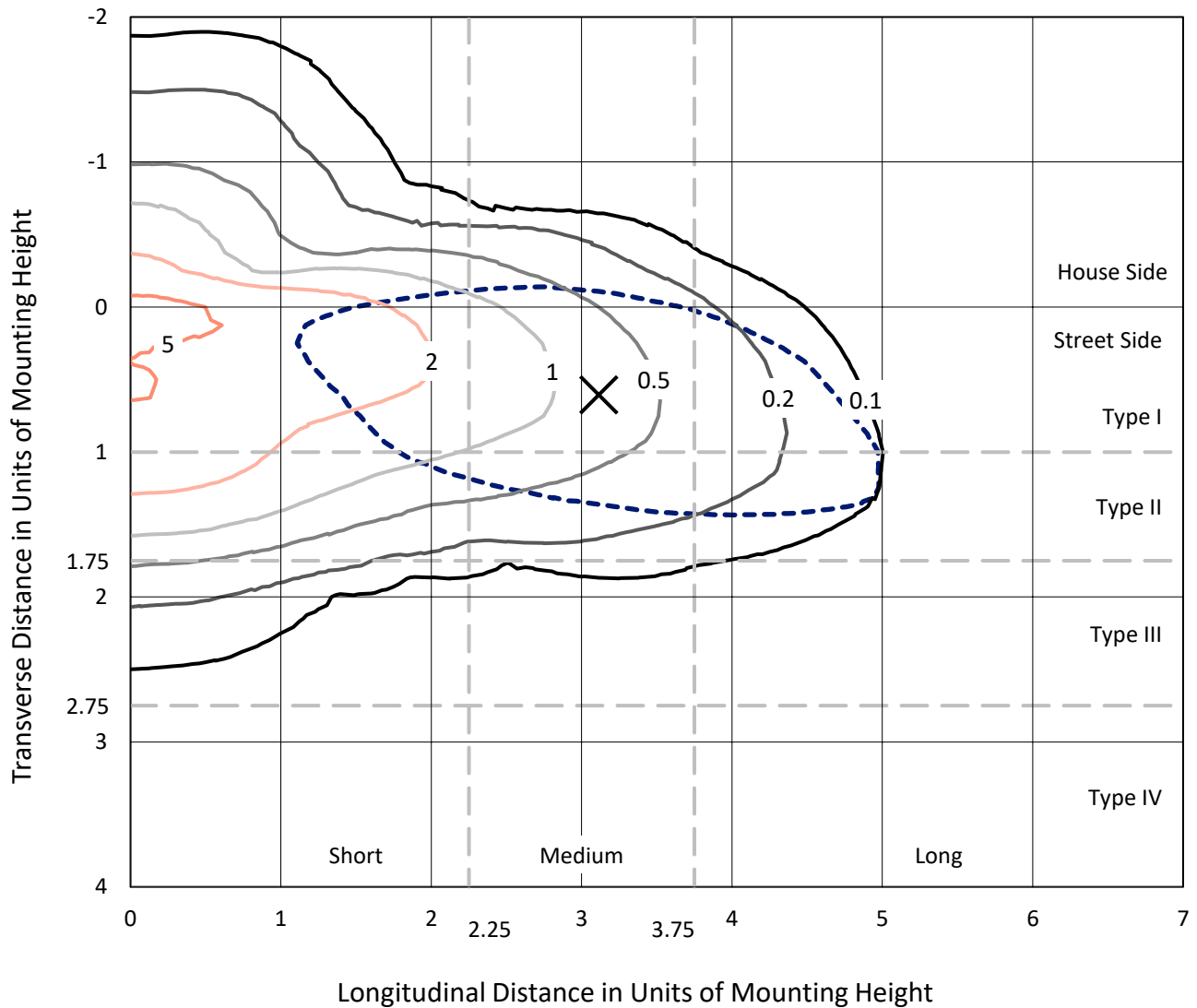
Input Watts (W): 218.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

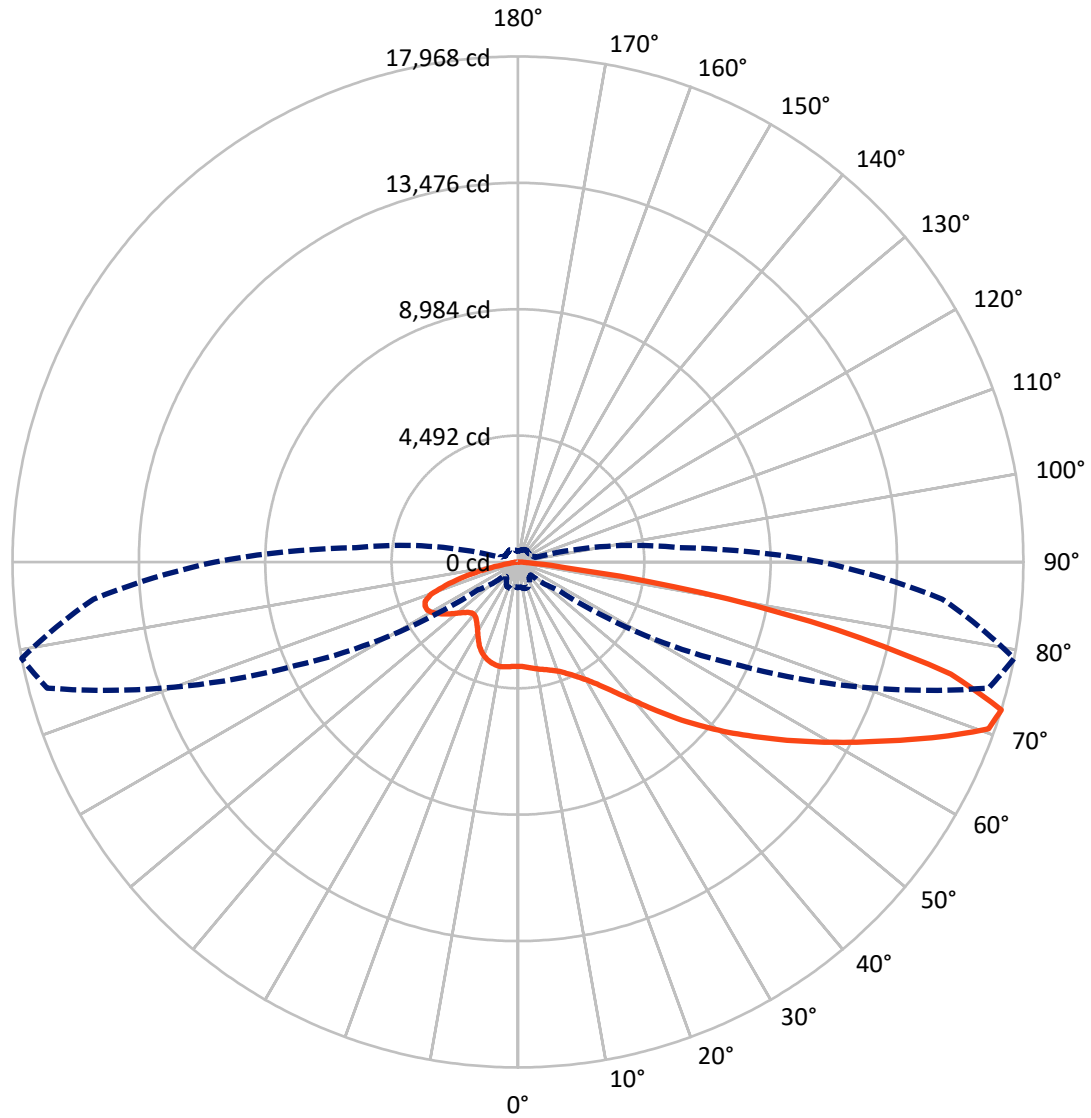
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 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	4064.9	0.0	4064.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	14407.1	0.0	14407.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	18472.0	0.0	18472.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.6	1.8
10°-20°	880.0	4.8
20°-30°	1420.0	7.7
30°-40°	2131.2	11.5
40°-50°	3023.2	16.4
50°-60°	3817.9	20.7
60°-70°	3877.6	21.0
70°-80°	2642.7	14.3
80°-90°	342.9	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°	18472.0	100.0
0°-180°	18472.0	100.0



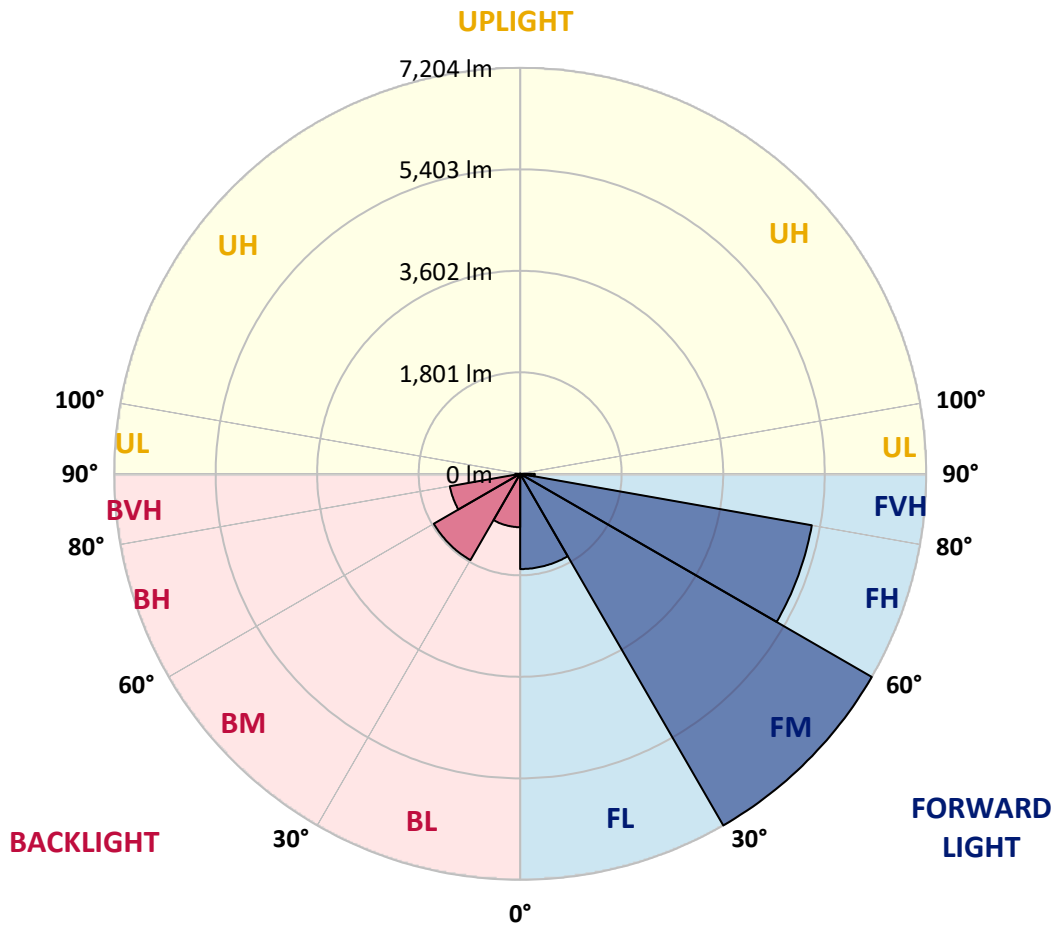
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1689.7	9.1			
FM (30°-60°)	7204.5	39.0			
FH (60°-80°)	5254.7	28.4			G3/7500
FVH (80°-90°)	258.3	1.4			G3/500
BL (0°-30°)	946.8	5.1	B2/1000		
BM (30°-60°)	1767.8	9.6	B2/2500		
BH (60°-80°)	1265.7	6.9	B3/2500		G3/2500
BVH (80°-90°)	84.6	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°	3708.1	3708.1	3708.1	3708.1	3708.1	3708.1	3708.1	3708.1	3708.1	3708.1
2.5°	3710.0	3692.4	3703.2	3699.3	3704.2	3710.0	3712.0	3714.9	3724.7	3723.7
5°	3702.2	3684.6	3699.3	3694.4	3707.1	3720.8	3732.5	3743.3	3758.9	3765.7
7.5°	3685.6	3673.9	3688.5	3703.2	3726.6	3747.2	3763.8	3788.2	3810.7	3814.6
10°	3588.9	3580.1	3614.3	3652.4	3716.9	3772.6	3808.7	3837.1	3861.5	3865.4
12.5°	3488.2	3477.5	3515.6	3567.4	3671.9	3772.6	3848.8	3885.9	3907.4	3920.1
15°	3471.6	3462.8	3484.3	3529.3	3616.2	3746.2	3876.1	3944.5	3963.1	3977.8
17.5°	3551.7	3535.1	3543.9	3559.6	3610.4	3721.8	3897.6	4011.0	4039.3	4054.9
20°	3737.4	3713.9	3700.3	3669.0	3660.2	3725.7	3895.7	4091.1	4128.2	4147.8
22.5°	3984.6	3969.0	3939.7	3860.5	3774.5	3773.5	3932.8	4193.7	4263.1	4281.6
25°	4283.6	4260.1	4223.0	4115.5	3950.4	3868.3	3995.3	4324.6	4440.9	4445.8
27.5°	4627.5	4592.4	4541.5	4399.9	4177.1	4016.8	4091.1	4475.1	4645.1	4643.2
30°	4990.0	4954.9	4901.1	4729.1	4448.7	4217.1	4224.0	4637.3	4887.4	4876.7
32.5°	5254.8	5228.4	5217.7	5084.8	4761.4	4453.6	4376.4	4817.1	5186.4	5176.7
35°	5458.1	5423.9	5436.6	5369.1	5102.4	4718.4	4563.0	5031.1	5549.9	5548.9
37.5°	5659.3	5629.0	5639.8	5594.9	5418.0	5054.5	4790.7	5292.9	6000.3	6021.8
40°	5843.0	5810.8	5853.8	5811.8	5663.2	5412.1	5049.6	5589.0	6522.1	6563.2
42.5°	5953.4	5928.0	5999.4	6000.3	5876.3	5714.1	5334.0	5915.3	7126.0	7217.8
45°	5991.6	5982.8	6090.2	6112.7	6064.8	5889.0	5590.0	6271.0	7776.7	7940.9
47.5°	5950.5	5933.9	6082.4	6165.5	6203.6	5971.0	5802.0	6656.0	8441.1	8681.5
50°	5743.4	5711.1	5931.9	6106.8	6242.7	6024.8	6016.0	7100.6	9196.4	9459.3
52.5°	5371.1	5346.7	5597.8	5901.7	6156.7	6051.2	6256.3	7586.2	9913.6	10253.6
55°	4895.2	4863.0	5139.5	5536.2	5942.7	6042.4	6496.7	8129.4	10759.8	11104.7
57.5°	4140.9	4076.4	4426.2	4895.2	5593.9	6031.6	6746.8	8669.8	11619.6	12032.9
60°	3040.7	2945.0	3373.9	3929.9	4911.9	5927.1	7056.6	9275.6	12651.4	13023.7
62.5°	1770.5	1714.8	1995.2	2514.1	3702.2	5311.5	7230.5	9980.1	13665.7	14056.5
65°	1374.8	1359.1	1383.6	1423.6	2060.7	3976.8	6694.1	10667.0	14955.4	15229.0
67.5°	1257.5	1245.8	1256.5	1181.3	1045.5	2215.1	5295.9	10840.9	16337.0	16503.1
70°	1117.8	1104.1	1139.3	1074.8	822.7	1007.4	3421.8	10209.7	17436.3	17748.0
72.5°	910.7	895.0	977.1	947.8	692.8	646.8	1718.7	8709.8	17321.0	17967.8
75°	699.6	690.8	788.5	812.9	564.8	509.1	824.7	6474.2	15242.7	15894.4
77.5°	543.3	536.4	586.3	675.2	455.3	394.7	507.1	4106.7	11486.7	11601.1
80°	407.4	387.9	433.8	522.7	354.7	288.2	343.9	2394.9	7260.8	6581.7
82.5°	255.0	245.3	283.4	348.8	250.1	198.4	223.8	1323.0	2909.8	1713.8
85°	145.6	141.7	154.4	199.3	135.8	114.3	128.0	584.3	531.5	365.4
87.5°	58.6	56.7	70.4	88.9	49.8	42.0	44.9	140.7	117.3	108.5
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°
3708.1	0°	3708.1	3708.1	3708.1	3708.1	3708.1	3708.1	3708.1	3708.1	3708.1	3708.1
3722.7	2.5°	3718.8	3718.8	3705.1	3683.7	3659.2	3643.6	3618.2	3611.3	3585.0	3577.1
3756.0	5°	3763.8	3756.0	3713.9	3653.4	3570.3	3494.1	3410.1	3357.3	3283.0	3256.7
3821.4	7.5°	3820.4	3798.9	3726.6	3593.8	3419.8	3248.8	3071.0	2936.2	2807.2	2761.3
3875.2	10°	3872.2	3841.9	3718.8	3486.3	3185.3	2889.3	2605.9	2407.6	2257.1	2195.5
3934.8	12.5°	3924.0	3868.3	3667.0	3307.5	2852.1	2450.6	2148.6	1994.3	1901.4	1827.2
3983.6	15°	3972.9	3894.7	3586.9	3068.1	2486.7	2079.3	1856.5	1733.4	1659.1	1610.3
4054.9	17.5°	4029.5	3917.2	3466.7	2764.2	2138.9	1822.3	1640.5	1566.3	1551.6	1545.8
4152.7	20°	4108.7	3937.7	3308.4	2424.2	1882.9	1617.1	1523.3	1516.5	1515.5	1512.5
4269.9	22.5°	4193.7	3962.1	3099.3	2115.4	1665.0	1489.1	1472.5	1458.8	1450.0	1449.0
4411.6	25°	4294.3	3969.9	2837.5	1862.3	1479.3	1428.5	1409.0	1388.5	1382.6	1382.6
4572.8	27.5°	4392.0	3943.6	2532.6	1642.5	1374.8	1372.8	1347.4	1340.6	1339.6	1342.5
4756.5	30°	4489.8	3893.7	2229.7	1439.3	1314.2	1314.2	1305.4	1310.3	1314.2	1324.0
5008.6	32.5°	4621.7	3841.0	1976.7	1288.8	1261.4	1251.7	1260.5	1270.2	1274.1	1286.8
5339.8	35°	4815.1	3803.8	1775.4	1206.7	1206.7	1194.0	1198.9	1196.9	1188.1	1182.3
5740.4	37.5°	5071.1	3801.9	1609.3	1168.6	1160.8	1158.8	1159.8	1147.1	1112.9	1071.9
6225.1	40°	5378.9	3854.6	1481.3	1142.2	1136.4	1148.1	1142.2	1108.0	1014.2	942.9
6821.1	42.5°	5792.2	4005.1	1399.2	1110.0	1127.6	1142.2	1118.8	1000.5	937.0	889.2
7500.2	45°	6278.8	4249.4	1357.2	1075.8	1111.0	1128.5	1015.2	963.4	912.6	855.0
8240.8	47.5°	6829.9	4557.2	1347.4	1043.5	1073.8	1084.6	971.2	947.8	890.1	827.6
8985.4	50°	7429.8	4921.6	1373.8	1005.4	1020.1	983.0	956.6	935.1	875.5	813.9
9748.5	52.5°	8050.3	5323.2	1426.6	953.6	966.3	925.3	950.7	932.1	866.7	783.6
10537.0	55°	8660.0	5727.7	1477.4	893.1	911.6	873.5	934.1	920.4	826.6	732.8
11378.3	57.5°	9279.5	6130.3	1527.2	839.3	858.9	823.7	907.7	889.2	781.7	685.9
12296.8	60°	9923.4	6521.1	1550.7	787.5	801.2	777.8	867.7	835.4	730.9	638.0
13199.6	62.5°	10526.3	6846.5	1512.5	735.8	744.5	734.8	814.9	771.9	680.1	584.3
14140.5	65°	11131.1	7040.0	1395.3	684.9	686.9	682.0	740.6	703.5	620.5	537.4
14964.2	67.5°	11679.2	7148.4	1208.7	630.2	625.3	623.4	671.3	629.2	562.8	490.5
15590.5	70°	11795.5	6872.9	923.4	565.7	565.7	560.9	595.1	552.1	499.3	440.7
15142.1	72.5°	10773.5	5781.5	655.6	492.5	500.3	490.5	518.8	482.7	434.8	395.7
13050.1	75°	8687.4	4239.6	476.8	417.2	430.9	414.3	440.7	415.3	374.2	373.3
8993.2	77.5°	5969.1	2621.5	345.9	343.9	353.7	332.2	362.5	348.8	311.7	295.1
3914.2	80°	2547.3	1045.5	252.1	265.8	265.8	246.2	281.4	285.3	253.1	245.3
755.3	82.5°	507.1	297.0	176.9	182.7	172.0	166.1	199.3	220.8	304.9	339.1
227.7	85°	152.4	109.4	106.5	99.7	87.9	88.9	117.3	221.8	273.6	156.3
75.2	87.5°	42.0	27.4	28.3	22.5	18.6	24.4	40.1	168.1	91.8	39.1
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>
3708.1
3589.8
3276.2
2767.1
2209.2
1851.6
1619.0
1549.7
1522.3
1459.8
1388.5
1350.3
1330.8
1297.6
1196.0
1072.9
940.9
887.2
851.1
822.7
807.1
777.8
727.9
684.0
635.1
583.3
531.5
484.6
438.7
384.0
336.1
276.5
245.3
340.0
134.8
33.2
0.0

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