

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: P948133

Luminaire Tested: **GALN-SB3B-740-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948133  
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-SB3B-740-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

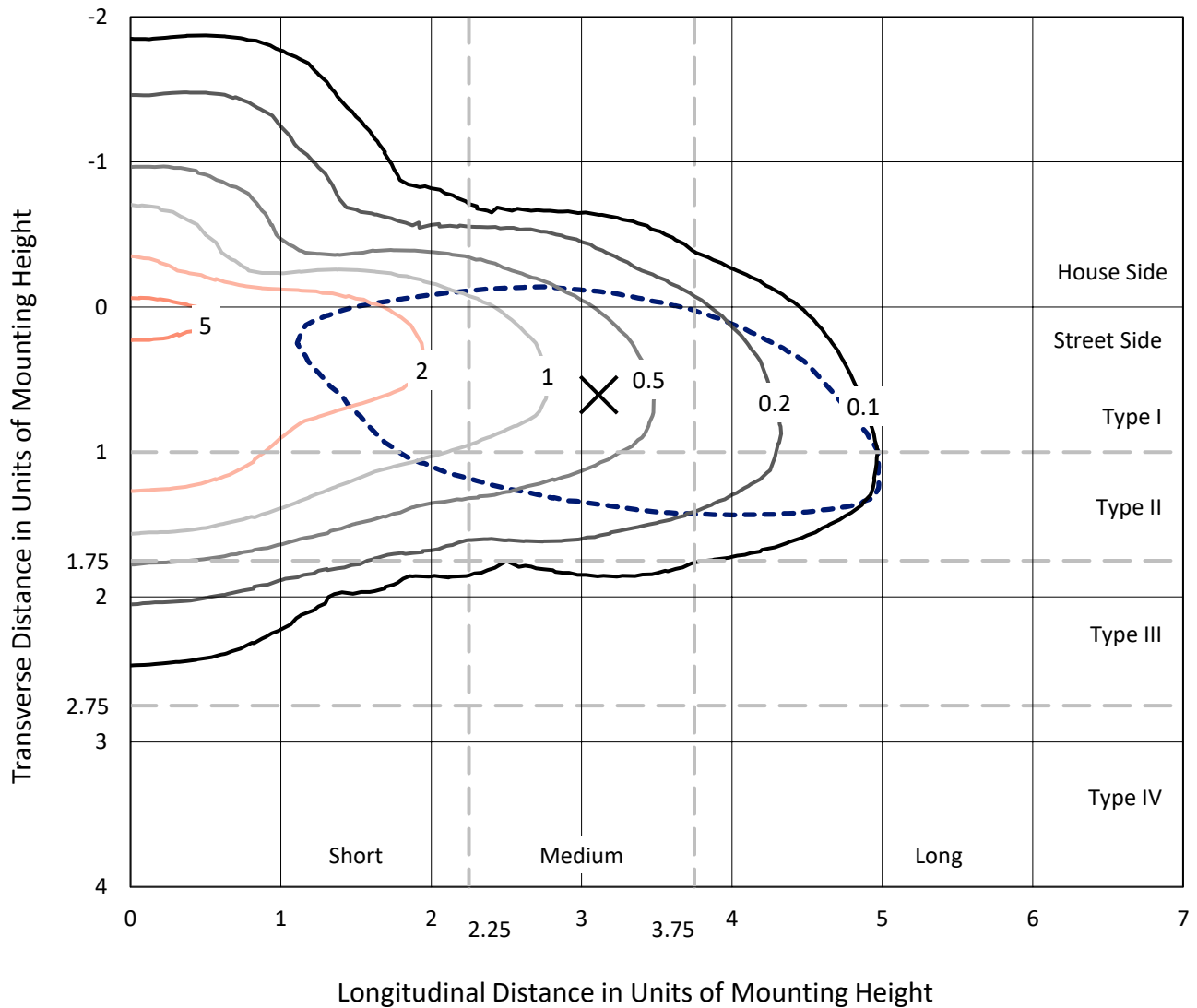
Lumens per Lamp: N/A  
Luminaire Lumens: 17766 lumens  
Efficiency: N/A  
Efficacy: 162.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

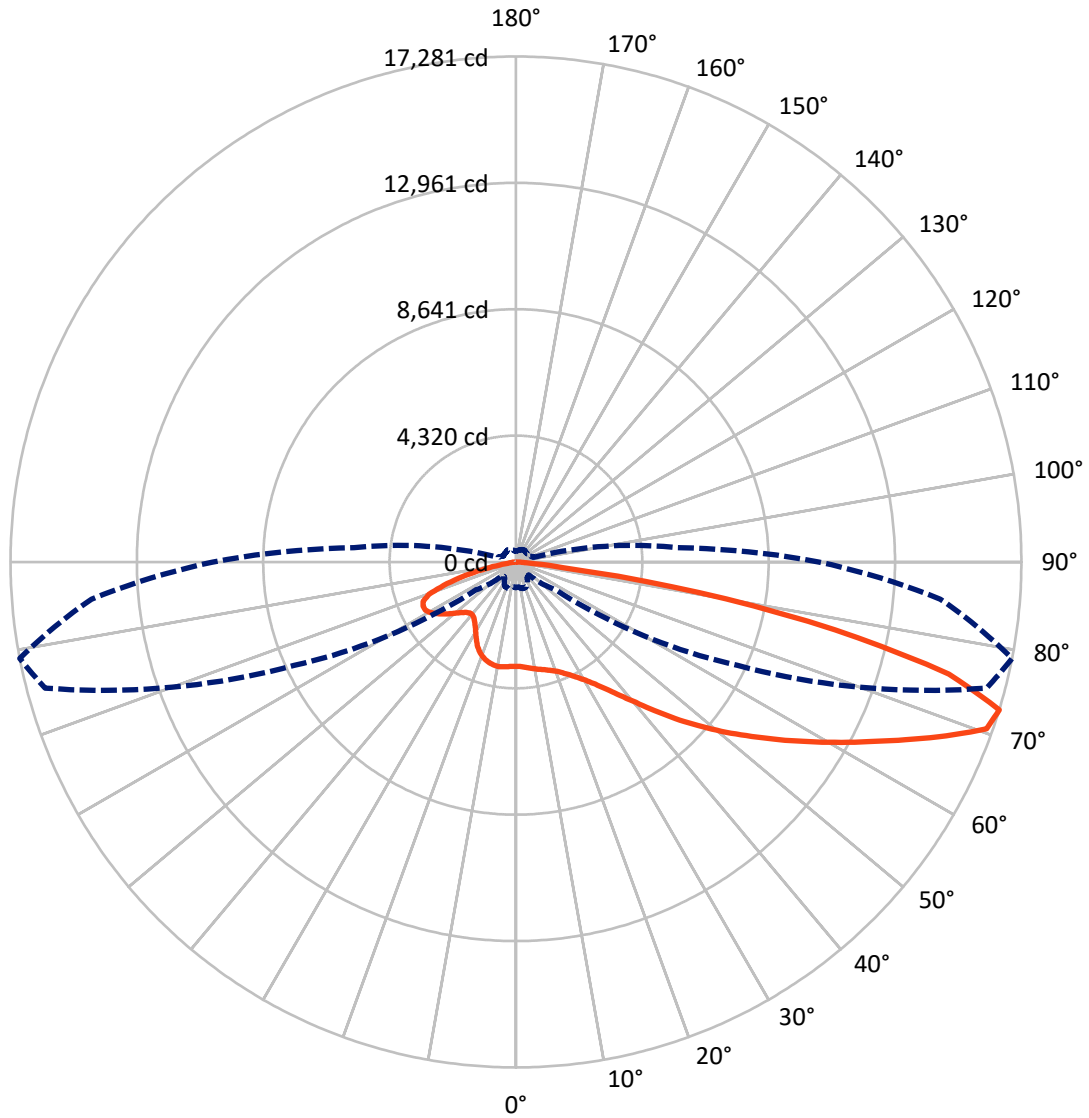
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 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
<b>House Side</b>	Lumens	3909.5	0.0	3909.5
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	13856.5	0.0	13856.5
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	17766.0	0.0	17766.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	323.7	1.8
10°-20°	846.4	4.8
20°-30°	1365.7	7.7
30°-40°	2049.7	11.5
40°-50°	2907.6	16.4
50°-60°	3672.0	20.7
60°-70°	3729.4	21.0
70°-80°	2541.7	14.3
80°-90°	329.8	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°	17766.0	100.0
0°-180°	17766.0	100.0



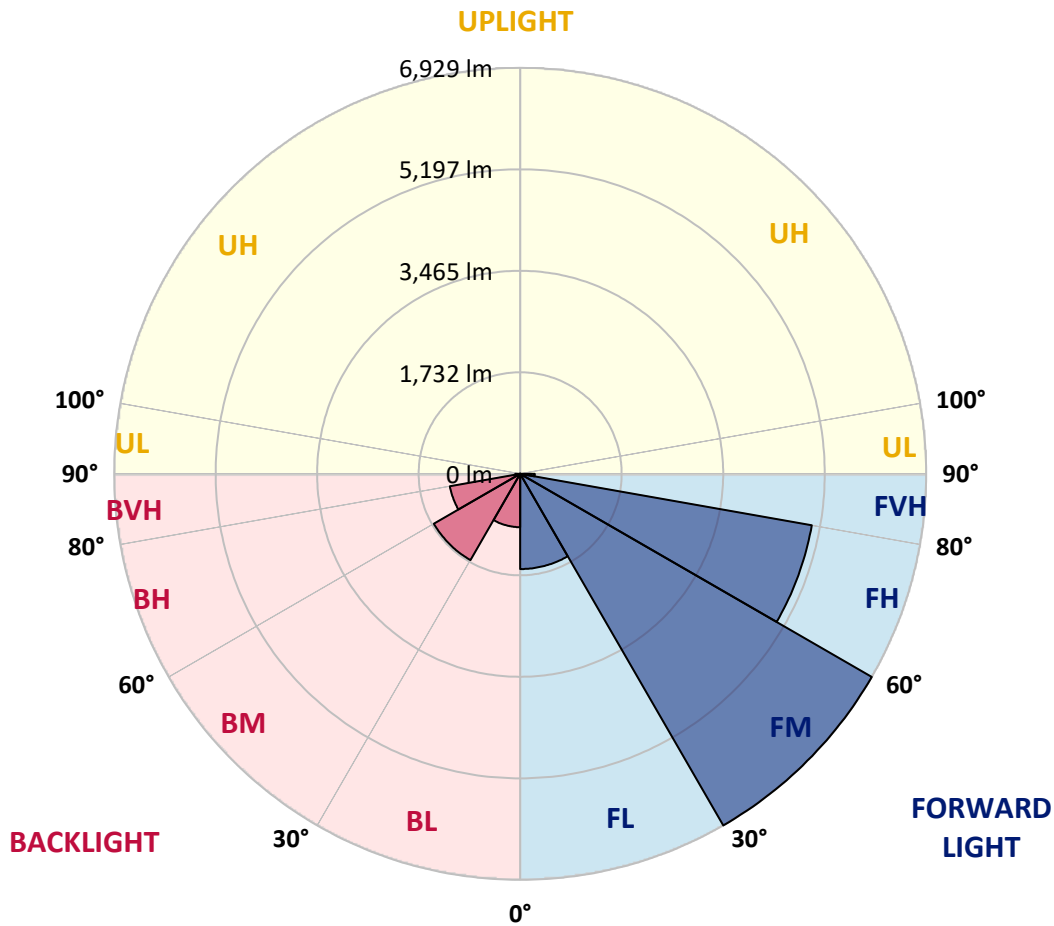
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1625.2	9.1			
FM (30°-60°)	6929.1	39.0			
FH (60°-80°)	5053.8	28.4			G3/7500
FVH (80°-90°)	248.4	1.4			G3/500
BL (0°-30°)	910.6	5.1	B2/1000		
BM (30°-60°)	1700.2	9.6	B2/2500		
BH (60°-80°)	1217.3	6.9	B3/2500		G3/2500
BVH (80°-90°)	81.4	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°	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4
2.5°	3568.2	3551.3	3561.7	3557.9	3562.6	3568.2	3570.1	3572.9	3582.3	3581.4
5°	3560.7	3543.8	3557.9	3553.2	3565.4	3578.6	3589.8	3600.2	3615.2	3621.8
7.5°	3544.7	3533.5	3547.6	3561.7	3584.2	3603.9	3619.9	3643.4	3665.0	3668.8
10°	3451.7	3443.2	3476.1	3512.8	3574.8	3628.4	3663.1	3690.4	3713.9	3717.7
12.5°	3354.9	3344.6	3381.2	3431.0	3531.6	3628.4	3701.7	3737.4	3758.1	3770.3
15°	3338.9	3330.5	3351.2	3394.4	3478.0	3603.0	3728.0	3793.8	3811.6	3825.7
17.5°	3416.0	3400.0	3408.5	3423.5	3472.4	3579.5	3748.7	3857.7	3884.9	3900.0
20°	3594.5	3572.0	3558.8	3528.8	3520.3	3583.3	3746.8	3934.7	3970.4	3989.2
22.5°	3832.3	3817.3	3789.1	3713.0	3630.3	3629.3	3782.5	4033.4	4100.1	4118.0
25°	4119.9	4097.3	4061.6	3958.2	3799.4	3720.5	3842.6	4159.3	4271.2	4275.9
27.5°	4450.7	4416.8	4368.0	4231.7	4017.4	3863.3	3934.7	4304.1	4467.6	4465.7
30°	4799.3	4765.5	4713.8	4548.4	4278.7	4056.0	4062.5	4460.1	4700.6	4690.3
32.5°	5054.0	5028.6	5018.3	4890.5	4579.4	4283.4	4209.1	4633.0	4988.2	4978.8
35°	5249.4	5216.6	5228.8	5163.9	4907.4	4538.1	4388.6	4838.8	5337.8	5336.8
37.5°	5443.0	5413.9	5424.2	5381.0	5210.9	4861.3	4607.6	5090.6	5771.0	5791.7
40°	5619.7	5588.7	5630.0	5589.6	5446.8	5205.3	4856.6	5375.4	6272.8	6312.3
42.5°	5725.9	5701.5	5770.1	5771.0	5651.7	5495.7	5130.1	5689.3	6853.6	6941.9
45°	5762.6	5754.1	5857.5	5879.1	5833.0	5663.9	5376.3	6031.3	7479.5	7637.4
47.5°	5723.1	5707.1	5850.0	5929.8	5966.5	5742.8	5580.2	6401.6	8118.5	8349.7
50°	5523.9	5492.8	5705.2	5873.4	6004.1	5794.5	5786.0	6829.2	8844.9	9097.7
52.5°	5165.8	5142.3	5383.8	5676.1	5921.4	5819.9	6017.2	7296.2	9534.7	9861.7
55°	4708.2	4677.1	4943.1	5324.6	5715.6	5811.4	6248.4	7818.7	10348.5	10680.3
57.5°	3982.7	3920.6	4257.1	4708.2	5380.1	5801.1	6489.0	8338.4	11175.5	11573.0
60°	2924.5	2832.4	3245.0	3779.7	4724.1	5700.5	6786.9	8921.1	12167.9	12525.9
62.5°	1702.8	1649.3	1919.0	2418.0	3560.7	5108.5	6954.2	9598.6	13143.4	13519.3
65°	1322.2	1307.2	1330.7	1369.2	1981.9	3824.8	6438.2	10259.3	14383.8	14647.0
67.5°	1209.5	1198.2	1208.5	1136.2	1005.5	2130.4	5093.5	10426.5	15712.6	15872.4
70°	1075.1	1061.9	1095.7	1033.7	791.3	968.9	3291.0	9819.5	16769.9	17069.6
72.5°	875.8	860.8	939.8	911.6	666.3	622.1	1653.0	8376.9	16659.0	17281.1
75°	672.9	664.4	758.4	781.9	543.2	489.6	793.1	6226.8	14660.1	15286.9
77.5°	522.5	515.9	563.9	649.4	437.9	379.7	487.7	3949.8	11047.7	11157.7
80°	391.9	373.1	417.2	502.8	341.1	277.2	330.8	2303.3	6983.3	6330.2
82.5°	245.3	235.9	272.5	335.5	240.6	190.8	215.2	1272.4	2798.6	1648.3
85°	140.0	136.3	148.5	191.7	130.6	110.0	123.1	562.0	511.2	351.5
87.5°	56.4	54.5	67.7	85.5	47.9	40.4	43.2	135.3	112.8	104.3
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°
3566.4	0°	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4	3566.4
3580.5	2.5°	3576.7	3576.7	3563.5	3542.9	3519.4	3504.3	3479.9	3473.3	3447.9	3440.4
3612.4	5°	3619.9	3612.4	3572.0	3513.7	3433.9	3360.6	3279.7	3229.0	3157.6	3132.2
3675.4	7.5°	3674.4	3653.8	3584.2	3456.4	3289.1	3124.7	2953.6	2824.0	2699.9	2655.7
3727.1	10°	3724.2	3695.1	3576.7	3353.0	3063.6	2778.8	2506.3	2315.5	2170.8	2111.6
3784.4	12.5°	3774.0	3720.5	3526.9	3181.1	2743.1	2356.9	2066.5	1918.0	1828.8	1757.3
3831.4	15°	3821.0	3745.8	3449.8	2950.8	2391.7	1999.8	1785.5	1667.1	1595.7	1548.7
3900.0	17.5°	3875.5	3767.5	3334.2	2658.6	2057.1	1752.6	1577.8	1506.4	1492.3	1486.7
3993.9	20°	3951.7	3787.2	3182.0	2331.5	1810.9	1555.3	1465.1	1458.5	1457.6	1454.7
4106.7	22.5°	4033.4	3810.7	2980.9	2034.6	1601.3	1432.2	1416.2	1403.0	1394.6	1393.7
4243.0	25°	4130.2	3818.2	2729.0	1791.2	1422.8	1373.9	1355.1	1335.4	1329.7	1329.7
4398.0	27.5°	4224.2	3792.8	2435.8	1579.7	1322.2	1320.4	1295.9	1289.3	1288.4	1291.2
4574.7	30°	4318.2	3744.9	2144.5	1384.3	1264.0	1264.0	1255.5	1260.2	1264.0	1273.4
4817.2	32.5°	4445.0	3694.2	1901.1	1239.5	1213.2	1203.8	1212.3	1221.7	1225.4	1237.7
5135.7	35°	4631.1	3658.5	1707.5	1160.6	1160.6	1148.4	1153.1	1151.2	1142.7	1137.1
5521.0	37.5°	4877.3	3656.6	1547.8	1123.9	1116.4	1114.5	1115.5	1103.3	1070.4	1030.9
5987.2	40°	5173.3	3707.3	1424.7	1098.6	1092.9	1104.2	1098.6	1065.7	975.5	906.9
6560.4	42.5°	5570.8	3852.0	1345.7	1067.6	1084.5	1098.6	1076.0	962.3	901.2	855.2
7213.5	45°	6038.8	4087.0	1305.3	1034.7	1068.5	1085.4	976.4	926.6	877.7	822.3
7925.9	47.5°	6568.9	4383.0	1295.9	1003.7	1032.8	1043.1	934.1	911.6	856.1	796.0
8642.0	50°	7145.9	4733.5	1321.3	967.0	981.1	945.4	920.0	899.3	842.0	782.8
9375.9	52.5°	7742.6	5119.8	1372.0	917.2	929.4	889.9	914.4	896.5	833.6	753.7
10134.3	55°	8329.0	5508.8	1420.9	858.9	876.8	840.1	898.4	885.2	795.0	704.8
10943.4	57.5°	8924.8	5896.0	1468.8	807.2	826.0	792.2	873.0	855.2	751.8	659.7
11826.8	60°	9544.1	6271.9	1491.4	757.4	770.6	748.0	834.5	803.5	702.9	613.7
12695.1	62.5°	10123.9	6584.8	1454.7	707.6	716.1	706.7	783.8	742.4	654.1	562.0
13600.1	65°	10705.6	6770.9	1342.0	658.8	660.6	655.9	712.3	676.6	596.7	516.9
14392.3	67.5°	11232.8	6875.2	1162.5	606.1	601.4	599.6	645.6	605.2	541.3	471.8
14994.7	70°	11344.7	6610.2	888.1	544.1	544.1	539.4	572.3	531.0	480.2	423.8
14563.3	72.5°	10361.7	5560.5	630.6	473.6	481.2	471.8	499.0	464.2	418.2	380.6
12551.3	75°	8355.3	4077.6	458.6	401.3	414.4	398.5	423.8	399.4	359.9	359.0
8649.5	77.5°	5740.9	2521.4	332.7	330.8	340.2	319.5	348.6	335.5	299.8	283.8
3764.6	80°	2449.9	1005.5	242.5	255.6	255.6	236.8	270.6	274.4	243.4	235.9
726.4	82.5°	487.7	285.7	170.1	175.7	165.4	159.8	191.7	212.4	293.2	326.1
219.0	85°	146.6	105.3	102.4	95.9	84.6	85.5	112.8	213.3	263.1	150.4
72.4	87.5°	40.4	26.3	27.3	21.6	17.9	23.5	38.5	161.6	88.3	37.6
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>
3566.4
3452.6
3151.0
2661.4
2124.8
1780.8
1557.2
1490.4
1464.1
1404.0
1335.4
1298.7
1279.9
1248.0
1150.3
1031.8
905.0
853.3
818.5
791.3
776.2
748.0
700.1
657.8
610.8
561.0
511.2
466.1
421.9
369.3
323.3
265.9
235.9
327.0
129.7
32.0
0.0

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