

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: P948217

Luminaire Tested: **GALN-SB3B-830-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948217  
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-830-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

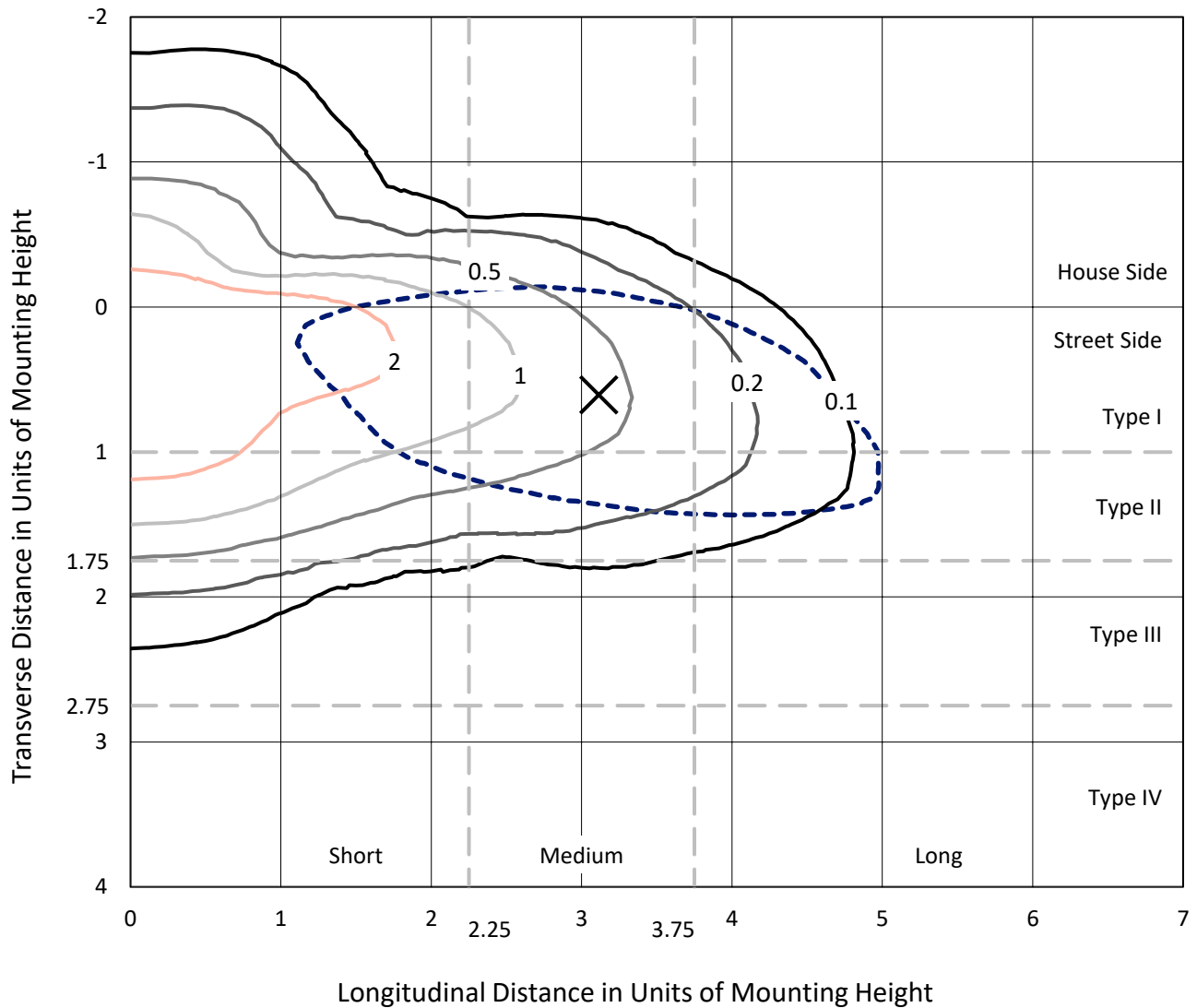
Lumens per Lamp: N/A  
Luminaire Lumens: 15089 lumens  
Efficiency: N/A  
Efficacy: 138.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 109.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

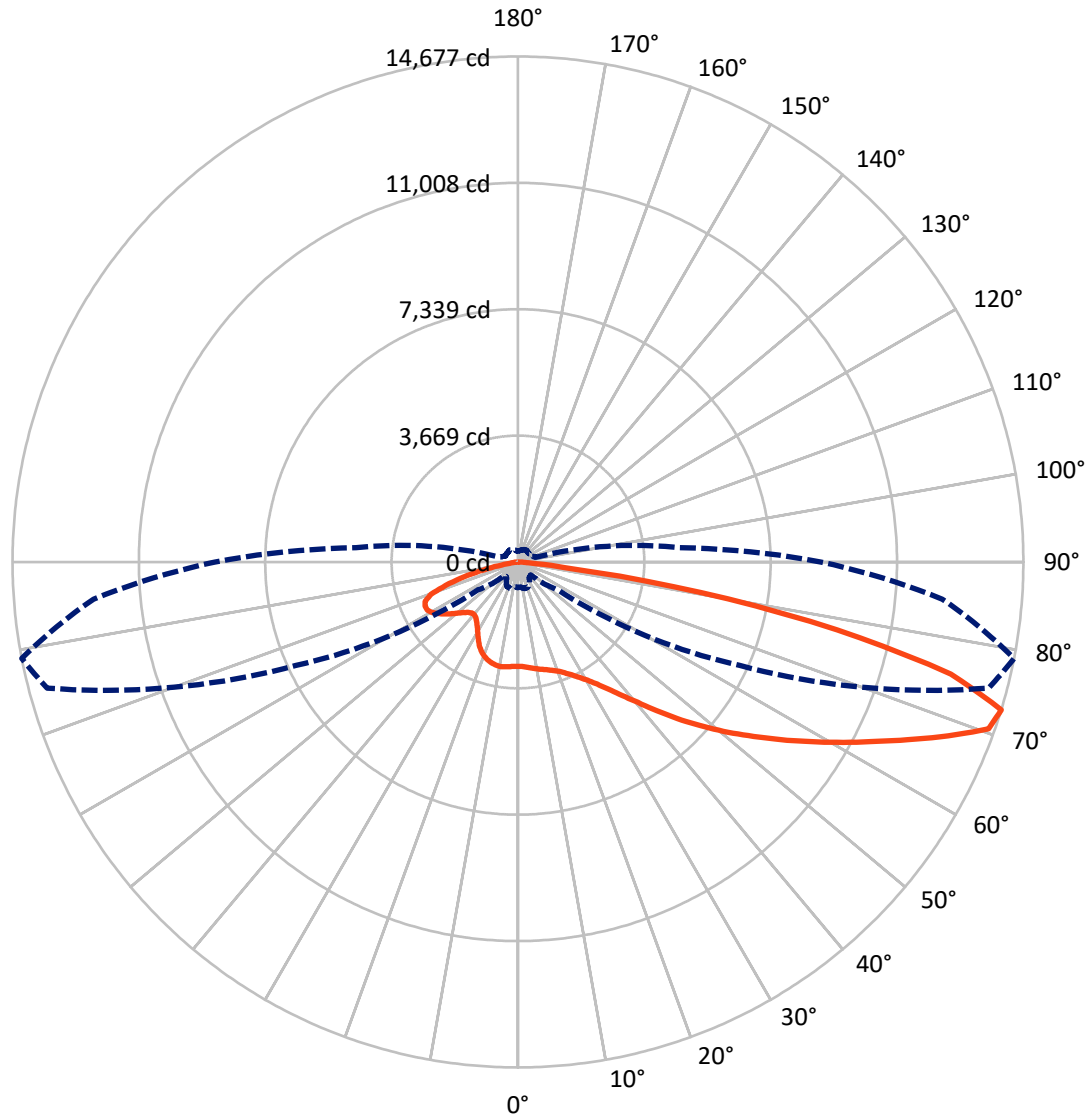
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 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	3320.4	0.0	3320.4
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	11768.6	0.0	11768.6
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	15089.0	0.0	15089.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.9	1.8
10°-20°	718.8	4.8
20°-30°	1159.9	7.7
30°-40°	1740.9	11.5
40°-50°	2469.5	16.4
50°-60°	3118.7	20.7
60°-70°	3167.4	21.0
70°-80°	2158.7	14.3
80°-90°	280.1	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°	15089.0	100.0
0°-180°	15089.0	100.0



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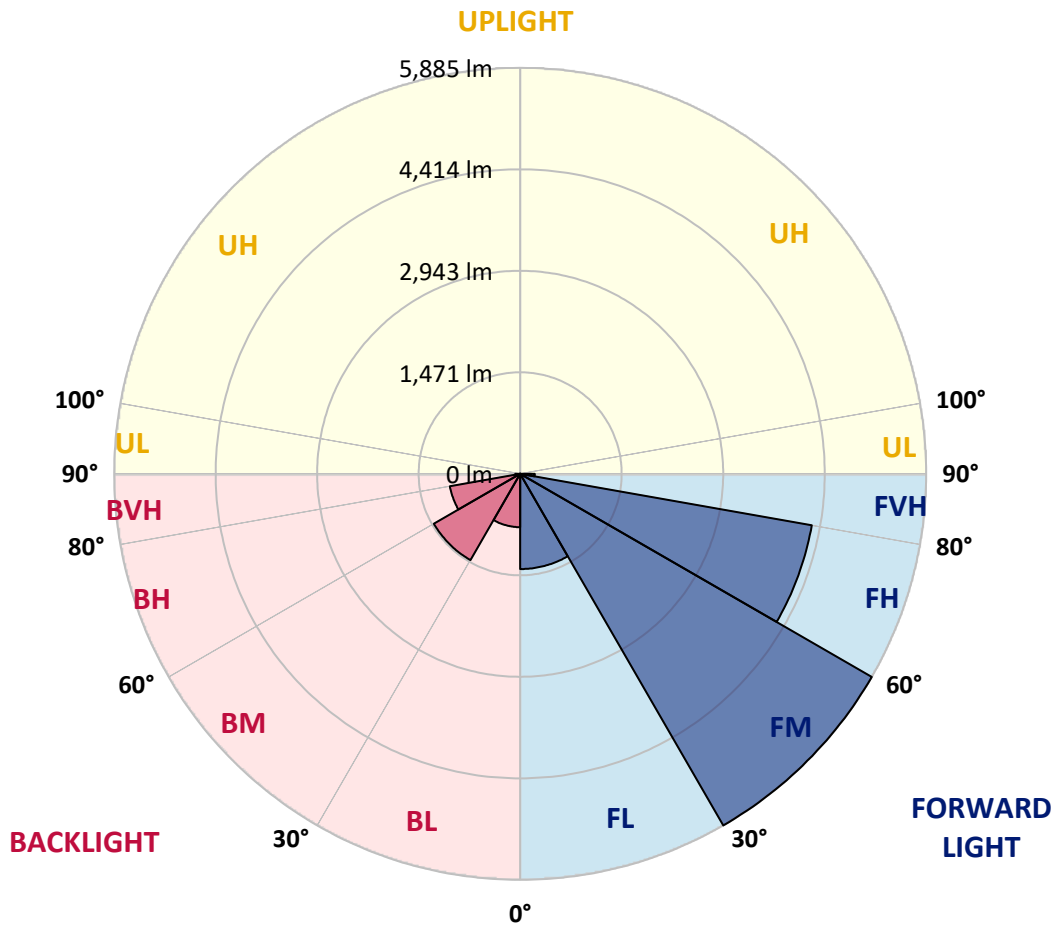
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1380.3	9.1			
FM (30°-60°)	5885.0	39.0			
FH (60°-80°)	4292.3	28.4			G2/5000
FVH (80°-90°)	211.0	1.4			G2/225
BL (0°-30°)	773.4	5.1	B2/1000		
BM (30°-60°)	1444.0	9.6	B2/2500		
BH (60°-80°)	1033.9	6.9	B3/2500		G3/2500
BVH (80°-90°)	69.1	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°	3029.0	3029.0	3029.0	3029.0	3029.0	3029.0	3029.0	3029.0	3029.0	3029.0
2.5°	3030.6	3016.2	3025.0	3021.8	3025.8	3030.6	3032.2	3034.6	3042.5	3041.7
5°	3024.2	3009.8	3021.8	3017.8	3028.2	3039.3	3048.9	3057.7	3070.5	3076.1
7.5°	3010.6	3001.0	3013.0	3025.0	3044.1	3060.9	3074.5	3094.4	3112.8	3116.0
10°	2931.6	2924.4	2952.4	2983.5	3036.2	3081.7	3111.2	3134.3	3154.3	3157.5
12.5°	2849.4	2840.6	2871.7	2914.0	2999.4	3081.7	3143.9	3174.2	3191.8	3202.2
15°	2835.8	2828.6	2846.2	2882.9	2953.9	3060.1	3166.3	3222.1	3237.3	3249.3
17.5°	2901.3	2887.7	2894.9	2907.7	2949.2	3040.1	3183.8	3276.4	3299.5	3312.3
20°	3052.9	3033.8	3022.6	2997.0	2989.9	3043.3	3182.2	3341.8	3372.2	3388.1
22.5°	3254.8	3242.1	3218.1	3153.5	3083.2	3082.4	3212.5	3425.7	3482.3	3497.5
25°	3499.1	3479.9	3449.6	3361.8	3226.9	3159.9	3263.6	3532.6	3627.6	3631.6
27.5°	3780.0	3751.3	3709.8	3594.1	3412.1	3281.2	3341.8	3655.5	3794.4	3792.8
30°	4076.1	4047.4	4003.5	3863.0	3634.0	3444.8	3450.4	3788.0	3992.3	3983.6
32.5°	4292.4	4270.9	4262.1	4153.6	3889.4	3638.0	3574.9	3934.9	4236.6	4228.6
35°	4458.5	4430.5	4440.9	4385.8	4167.9	3854.3	3727.4	4109.7	4533.5	4532.7
37.5°	4622.9	4598.1	4606.9	4570.2	4425.7	4128.8	3913.3	4323.6	4901.4	4919.0
40°	4772.9	4746.6	4781.7	4747.4	4626.1	4420.9	4124.8	4565.4	5327.6	5361.2
42.5°	4863.1	4842.4	4900.6	4901.4	4800.1	4667.6	4357.1	4832.0	5820.9	5895.9
45°	4894.2	4887.1	4974.9	4993.2	4954.1	4810.4	4566.2	5122.5	6352.5	6486.6
47.5°	4860.7	4847.2	4968.5	5036.3	5067.4	4877.5	4739.4	5437.0	6895.2	7091.5
50°	4691.5	4665.2	4845.6	4988.4	5099.4	4921.4	4914.2	5800.1	7512.2	7726.9
52.5°	4387.4	4367.5	4572.6	4820.8	5029.1	4942.9	5110.5	6196.8	8098.0	8375.8
55°	3998.7	3972.4	4198.3	4522.3	4854.3	4935.7	5306.9	6640.6	8789.2	9071.0
57.5°	3382.6	3329.9	3615.6	3998.7	4569.4	4927.0	5511.2	7082.0	9491.6	9829.2
60°	2483.8	2405.6	2756.0	3210.2	4012.3	4841.6	5764.2	7576.8	10334.4	10638.5
62.5°	1446.2	1400.8	1629.8	2053.6	3024.2	4338.7	5906.3	8152.3	11162.9	11482.2
65°	1123.0	1110.2	1130.2	1162.9	1683.3	3248.5	5468.1	8713.4	12216.5	12439.9
67.5°	1027.2	1017.6	1026.4	965.0	854.0	1809.4	4326.0	8855.5	13345.0	13480.7
70°	913.1	901.9	930.6	878.0	672.0	822.9	2795.1	8339.9	14243.0	14497.6
72.5°	743.9	731.1	798.1	774.2	565.9	528.4	1403.9	7114.7	14148.8	14677.2
75°	571.5	564.3	644.1	664.1	461.3	415.8	673.6	5288.5	12451.1	12983.5
77.5°	443.8	438.2	478.9	551.5	371.9	322.5	414.2	3354.6	9383.0	9476.4
80°	332.8	316.9	354.4	427.0	289.7	235.5	280.9	1956.3	5931.0	5376.3
82.5°	208.3	200.3	231.5	284.9	204.3	162.0	182.8	1080.7	2376.9	1400.0
85°	118.9	115.7	126.1	162.8	110.9	93.4	104.6	477.3	434.2	298.5
87.5°	47.9	46.3	57.5	72.6	40.7	34.3	36.7	114.9	95.8	88.6
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°
3029.0	0°	3029.0	3029.0	3029.0	3029.0	3029.0	3029.0	3029.0	3029.0	3029.0	3029.0
3040.9	2.5°	3037.8	3037.8	3026.6	3009.0	2989.1	2976.3	2955.5	2950.0	2928.4	2922.0
3068.1	5°	3074.5	3068.1	3033.8	2984.3	2916.4	2854.2	2785.5	2742.4	2681.8	2660.2
3121.6	7.5°	3120.8	3103.2	3044.1	2935.6	2793.5	2653.8	2508.6	2398.4	2293.1	2255.6
3165.5	10°	3163.1	3138.3	3037.8	2847.8	2602.0	2360.1	2128.7	1966.6	1843.7	1793.4
3214.1	12.5°	3205.4	3159.9	2995.5	2701.7	2329.8	2001.8	1755.1	1629.0	1553.2	1492.5
3254.1	15°	3245.3	3181.4	2930.0	2506.2	2031.3	1698.5	1516.5	1415.9	1355.3	1315.3
3312.3	17.5°	3291.6	3199.8	2831.8	2258.0	1747.1	1488.5	1340.1	1279.4	1267.5	1262.7
3392.1	20°	3356.2	3216.5	2702.5	1980.2	1538.0	1320.9	1244.3	1238.7	1237.9	1235.5
3487.9	22.5°	3425.7	3236.5	2531.7	1728.0	1360.0	1216.4	1202.8	1191.6	1184.5	1183.7
3603.6	25°	3507.9	3242.9	2317.8	1521.3	1208.4	1166.9	1150.9	1134.2	1129.4	1129.4
3735.3	27.5°	3587.7	3221.3	2068.8	1341.7	1123.0	1121.4	1100.6	1095.1	1094.3	1096.7
3885.4	30°	3667.5	3180.6	1821.4	1175.7	1073.5	1073.5	1066.3	1070.3	1073.5	1081.5
4091.3	32.5°	3775.2	3137.5	1614.7	1052.8	1030.4	1022.4	1029.6	1037.6	1040.8	1051.2
4361.9	35°	3933.3	3107.2	1450.2	985.7	985.7	975.3	979.3	977.7	970.5	965.8
4689.1	37.5°	4142.4	3105.6	1314.6	954.6	948.2	946.6	947.4	937.0	909.1	875.6
5085.0	40°	4393.8	3148.7	1210.0	933.0	928.2	937.8	933.0	905.1	828.5	770.2
5571.9	42.5°	4731.4	3271.6	1142.9	906.7	921.1	933.0	913.9	817.3	765.4	726.3
6126.6	45°	5128.9	3471.1	1108.6	878.8	907.5	921.9	829.3	787.0	745.5	698.4
6731.6	47.5°	5579.1	3722.6	1100.6	852.4	877.2	885.9	793.4	774.2	727.1	676.0
7339.8	50°	6069.1	4020.3	1122.2	821.3	833.3	802.9	781.4	763.8	715.1	664.9
7963.1	52.5°	6575.9	4348.3	1165.3	779.0	789.4	755.8	776.6	761.4	708.0	640.1
8607.2	55°	7074.0	4678.7	1206.8	729.5	744.7	713.5	763.0	751.9	675.2	598.6
9294.4	57.5°	7580.0	5007.6	1247.5	685.6	701.6	672.8	741.5	726.3	638.5	560.3
10044.7	60°	8106.0	5326.8	1266.7	643.3	654.5	635.3	708.8	682.4	597.0	521.2
10782.2	62.5°	8598.5	5592.6	1235.5	601.0	608.2	600.2	665.7	630.5	555.5	477.3
11550.8	65°	9092.5	5750.7	1139.8	559.5	561.1	557.1	605.0	574.7	506.8	439.0
12223.6	67.5°	9540.3	5839.3	987.3	514.8	510.8	509.2	548.3	514.0	459.7	400.7
12735.3	70°	9635.2	5614.2	754.3	462.1	462.1	458.1	486.1	451.0	407.9	360.0
12368.9	72.5°	8800.4	4722.6	535.6	402.3	408.7	400.7	423.8	394.3	355.2	323.3
10660.1	75°	7096.3	3463.2	389.5	340.8	352.0	338.4	360.0	339.2	305.7	304.9
7346.2	77.5°	4875.9	2141.4	282.5	280.9	288.9	271.4	296.1	284.9	254.6	241.0
3197.4	80°	2080.8	854.0	205.9	217.1	217.1	201.1	229.9	233.1	206.7	200.3
617.0	82.5°	414.2	242.6	144.5	149.3	140.5	135.7	162.8	180.4	249.0	277.0
186.0	85°	124.5	89.4	87.0	81.4	71.8	72.6	95.8	181.2	223.5	127.7
61.5	87.5°	34.3	22.3	23.1	18.4	15.2	20.0	32.7	137.3	75.0	31.9
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>
3029.0
2932.4
2676.2
2260.4
1804.6
1512.5
1322.5
1265.9
1243.5
1192.4
1134.2
1103.0
1087.1
1059.9
976.9
876.4
768.6
724.7
695.2
672.0
659.3
635.3
594.6
558.7
518.8
476.5
434.2
395.9
358.4
313.7
274.6
225.9
200.3
277.8
110.1
27.1
0.0

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