

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: P948490

Luminaire Tested: **GALN-SB3C-740-U-SL2**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948490  
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-SB3C-740-U-SL2  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

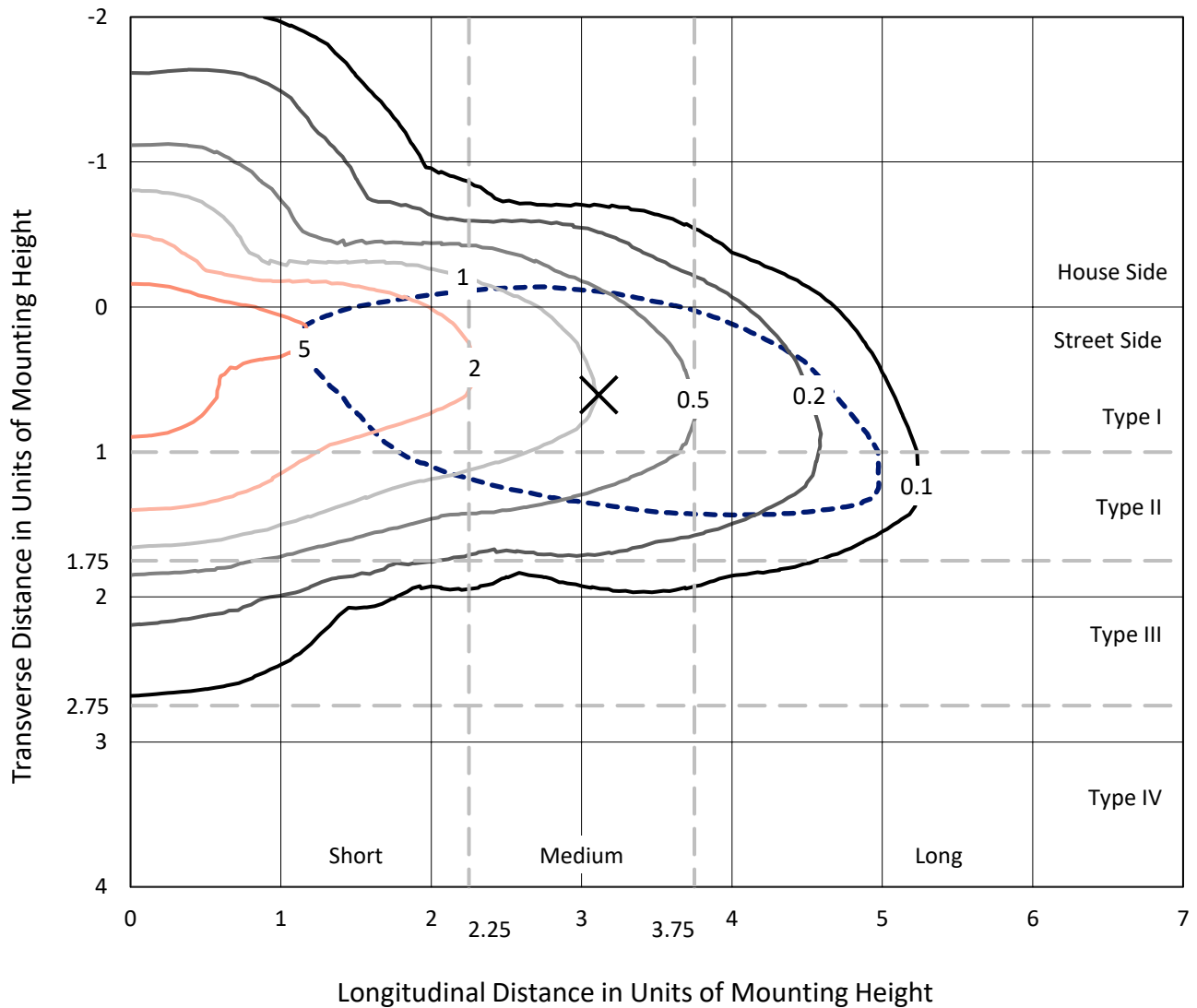
Lumens per Lamp: N/A  
Luminaire Lumens: 23629 lumens  
Efficiency: N/A  
Efficacy: 158.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

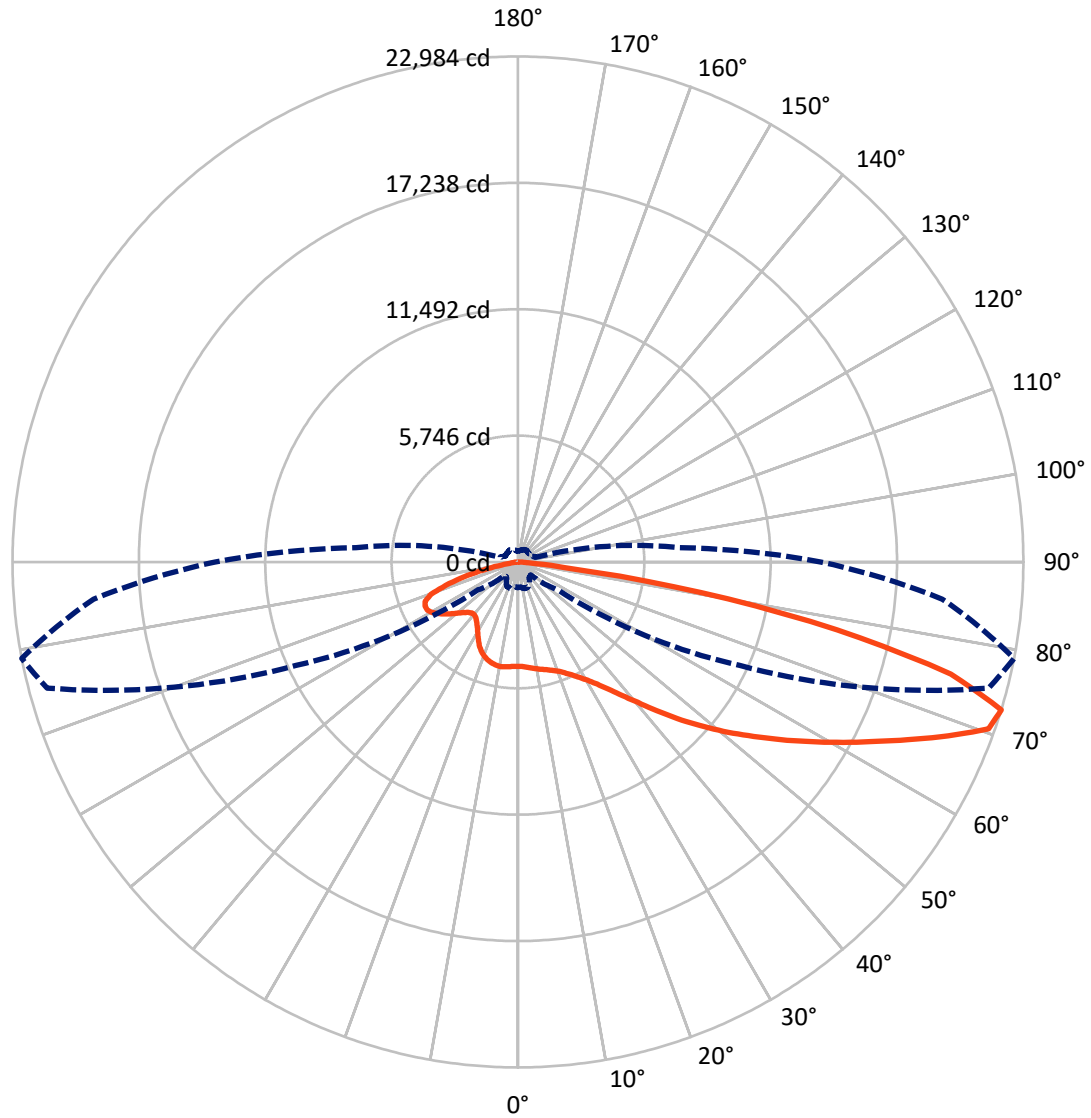
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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
<b>House Side</b>	Lumens	5199.7	0.0	5199.7
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	18429.3	0.0	18429.3
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	23629.0	0.0	23629.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	430.6	1.8
10°-20°	1125.7	4.8
20°-30°	1816.4	7.7
30°-40°	2726.2	11.5
40°-50°	3867.2	16.4
50°-60°	4883.8	20.7
60°-70°	4960.1	21.0
70°-80°	3380.5	14.3
80°-90°	438.6	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°	23629.0	100.0
0°-180°	23629.0	100.0



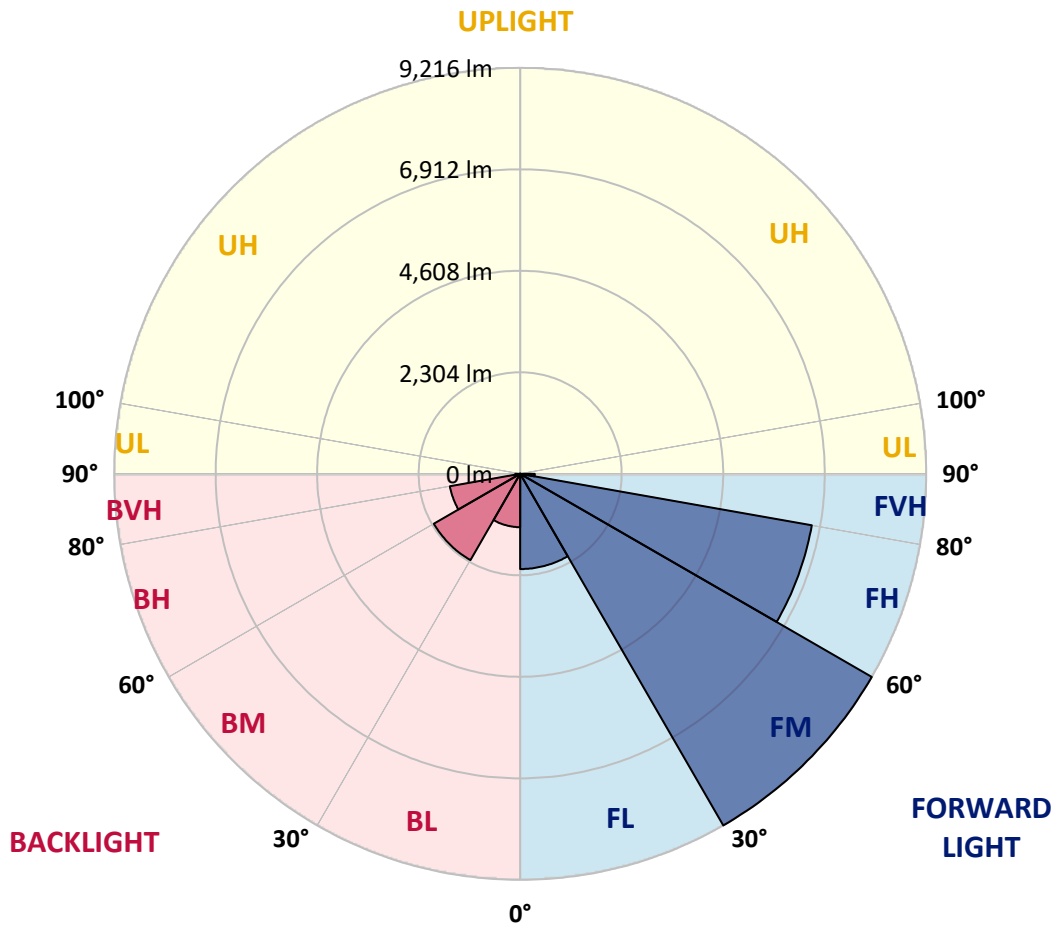
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2161.5	9.1			
FM (30°-60°)	9215.8	39.0			
FH (60°-80°)	6721.6	28.4			G3/7500
FVH (80°-90°)	330.4	1.4			G3/500
BL (0°-30°)	1211.2	5.1	B3/2500		
BM (30°-60°)	2261.3	9.6	B2/2500		
BH (60°-80°)	1619.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	108.2	0.5			G2/225
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°	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3
2.5°	4745.8	4723.3	4737.0	4732.0	4738.3	4745.8	4748.3	4752.0	4764.5	4763.3
5°	4735.8	4713.3	4732.0	4725.8	4742.0	4759.5	4774.5	4788.3	4808.3	4817.0
7.5°	4714.5	4699.6	4718.3	4737.0	4767.0	4793.3	4814.5	4845.8	4874.5	4879.5
10°	4590.8	4579.6	4623.3	4672.1	4754.5	4825.8	4872.0	4908.3	4939.5	4944.5
12.5°	4462.1	4448.3	4497.1	4563.3	4697.1	4825.8	4923.3	4970.8	4998.3	5014.5
15°	4440.8	4429.6	4457.1	4514.6	4625.8	4792.0	4958.3	5045.8	5069.5	5088.3
17.5°	4543.3	4522.1	4533.3	4553.3	4618.3	4760.8	4985.8	5130.8	5167.0	5187.0
20°	4780.8	4750.8	4733.3	4693.3	4682.1	4765.8	4983.3	5233.3	5280.7	5305.7
22.5°	5097.0	5077.0	5039.5	4938.3	4828.3	4827.0	5030.8	5364.5	5453.2	5477.0
25°	5479.5	5449.5	5402.0	5264.5	5053.3	4948.3	5110.8	5532.0	5680.7	5687.0
27.5°	5919.4	5874.4	5809.4	5628.2	5343.2	5138.3	5233.3	5724.5	5941.9	5939.4
30°	6383.1	6338.1	6269.4	6049.4	5690.7	5394.5	5403.2	5931.9	6251.9	6238.2
32.5°	6721.9	6688.1	6674.4	6504.4	6090.7	5697.0	5598.2	6161.9	6634.4	6621.9
35°	6981.8	6938.1	6954.3	6868.1	6526.9	6035.7	5836.9	6435.6	7099.3	7098.1
37.5°	7239.3	7200.6	7214.3	7156.8	6930.6	6465.6	6128.2	6770.6	7675.5	7703.0
40°	7474.3	7433.0	7488.0	7434.3	7244.3	6923.1	6459.4	7149.3	8343.0	8395.4
42.5°	7615.5	7583.0	7674.3	7675.5	7516.8	7309.3	6823.1	7566.8	9115.4	9232.9
45°	7664.3	7653.0	7790.5	7819.3	7758.0	7533.0	7150.6	8021.7	9947.8	10157.8
47.5°	7611.8	7590.5	7780.5	7886.7	7935.5	7638.0	7421.8	8514.2	10797.7	11105.2
50°	7346.8	7305.6	7588.0	7811.8	7985.5	7706.8	7695.5	9082.9	11763.9	12100.1
52.5°	6870.6	6839.3	7160.6	7549.3	7875.5	7740.5	8003.0	9704.1	12681.3	13116.2
55°	6261.9	6220.7	6574.4	7081.8	7601.8	7729.3	8310.5	10399.0	13763.7	14204.9
57.5°	5297.0	5214.5	5662.0	6261.9	7155.6	7715.5	8630.4	11090.2	14863.6	15392.3
60°	3889.6	3767.1	4315.8	5027.0	6283.2	7581.8	9026.6	11865.1	16183.5	16659.7
62.5°	2264.8	2193.5	2552.3	3215.9	4735.8	6794.4	9249.1	12766.3	17480.8	17980.8
65°	1758.6	1738.6	1769.8	1821.1	2636.0	5087.0	8562.9	13644.9	19130.7	19480.6
67.5°	1608.6	1593.6	1607.3	1511.1	1337.4	2833.5	6774.4	13867.4	20898.0	21110.5
70°	1429.9	1412.4	1457.4	1374.9	1052.4	1288.6	4377.1	13060.0	22304.1	22702.8
72.5°	1164.9	1144.9	1249.9	1212.4	886.2	827.4	2198.5	11141.4	22156.6	22984.1
75°	894.9	883.7	1008.7	1039.9	722.4	651.2	1054.9	8281.7	19498.1	20331.8
77.5°	694.9	686.2	749.9	863.7	582.4	505.0	648.7	5253.2	14693.6	14839.8
80°	521.2	496.2	554.9	668.7	453.7	368.7	440.0	3063.5	9287.9	8419.2
82.5°	326.2	313.7	362.5	446.2	320.0	253.7	286.2	1692.3	3722.1	2192.3
85°	186.2	181.2	197.5	255.0	173.7	146.2	163.7	747.4	679.9	467.5
87.5°	75.0	72.5	90.0	113.7	63.7	53.7	57.5	180.0	150.0	138.7
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°
4743.3	0°	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3	4743.3
4762.0	2.5°	4757.0	4757.0	4739.5	4712.1	4680.8	4660.8	4628.3	4619.6	4585.8	4575.8
4804.5	5°	4814.5	4804.5	4750.8	4673.3	4567.1	4469.6	4362.1	4294.6	4199.6	4165.9
4888.3	7.5°	4887.0	4859.5	4767.0	4597.1	4374.6	4155.9	3928.4	3755.9	3590.9	3532.2
4957.0	10°	4953.3	4914.5	4757.0	4459.6	4074.6	3695.9	3333.4	3079.7	2887.2	2808.5
5033.3	12.5°	5019.5	4948.3	4690.8	4230.8	3648.4	3134.7	2748.5	2551.0	2432.3	2337.3
5095.8	15°	5082.0	4982.0	4588.3	3924.6	3180.9	2659.7	2374.8	2217.3	2122.3	2059.8
5187.0	17.5°	5154.5	5010.8	4434.6	3535.9	2736.0	2331.0	2098.5	2003.6	1984.8	1977.3
5312.0	20°	5255.7	5037.0	4232.1	3101.0	2408.5	2068.6	1948.6	1939.8	1938.6	1934.8
5462.0	22.5°	5364.5	5068.3	3964.6	2706.0	2129.8	1904.8	1883.6	1866.1	1854.8	1853.6
5643.2	25°	5493.2	5078.3	3629.7	2382.3	1892.3	1827.3	1802.3	1776.1	1768.6	1768.6
5849.4	27.5°	5618.2	5044.5	3239.7	2101.0	1758.6	1756.1	1723.6	1714.8	1713.6	1717.3
6084.4	30°	5743.2	4980.8	2852.2	1841.1	1681.1	1681.1	1669.8	1676.1	1681.1	1693.6
6406.9	32.5°	5911.9	4913.3	2528.5	1648.6	1613.6	1601.1	1612.3	1624.8	1629.8	1646.1
6830.6	35°	6159.4	4865.8	2271.0	1543.6	1543.6	1527.4	1533.6	1531.1	1519.9	1512.4
7343.0	37.5°	6486.9	4863.3	2058.6	1494.9	1484.9	1482.4	1483.6	1467.4	1423.6	1371.1
7963.0	40°	6880.6	4930.8	1894.8	1461.1	1453.6	1468.6	1461.1	1417.4	1297.4	1206.1
8725.4	42.5°	7409.3	5123.3	1789.8	1419.9	1442.4	1461.1	1431.1	1279.9	1198.6	1137.4
9594.1	45°	8031.7	5435.7	1736.1	1376.1	1421.1	1443.6	1298.6	1232.4	1167.4	1093.6
10541.5	47.5°	8736.7	5829.4	1723.6	1334.9	1373.6	1387.4	1242.4	1212.4	1138.6	1058.6
11493.9	50°	9504.1	6295.6	1757.3	1286.1	1304.9	1257.4	1223.6	1196.1	1119.9	1041.2
12470.1	52.5°	10297.8	6809.3	1824.8	1219.9	1236.1	1183.6	1216.1	1192.4	1108.6	1002.4
13478.7	55°	11077.7	7326.8	1889.8	1142.4	1166.1	1117.4	1194.9	1177.4	1057.4	937.4
14554.9	57.5°	11870.1	7841.8	1953.6	1073.6	1098.6	1053.6	1161.1	1137.4	999.9	877.4
15729.7	60°	12693.8	8341.7	1983.6	1007.4	1024.9	994.9	1109.9	1068.6	934.9	816.2
16884.6	62.5°	13465.0	8757.9	1934.8	941.2	952.4	939.9	1042.4	987.4	869.9	747.4
18088.3	65°	14238.6	9005.4	1784.8	876.2	878.7	872.4	947.4	899.9	793.7	687.4
19141.9	67.5°	14939.8	9144.1	1546.1	806.2	799.9	797.4	858.7	804.9	719.9	627.4
19943.1	70°	15088.6	8791.7	1181.1	723.7	723.7	717.4	761.2	706.2	638.7	563.7
19369.4	72.5°	13781.2	7395.5	838.7	629.9	639.9	627.4	663.7	617.4	556.2	506.2
16693.4	75°	11112.7	5423.2	609.9	533.7	551.2	529.9	563.7	531.2	478.7	477.5
11503.9	77.5°	7635.5	3353.4	442.5	440.0	452.5	425.0	463.7	446.2	398.7	377.5
5007.0	80°	3258.4	1337.4	322.5	340.0	340.0	315.0	360.0	365.0	323.7	313.7
966.2	82.5°	648.7	380.0	226.2	233.7	220.0	212.5	255.0	282.5	390.0	433.7
291.2	85°	195.0	140.0	136.2	127.5	112.5	113.7	150.0	283.7	350.0	200.0
96.2	87.5°	53.7	35.0	36.2	28.7	23.7	31.2	51.2	215.0	117.5	50.0
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>
4743.3
4592.1
4190.8
3539.7
2826.0
2368.5
2071.1
1982.3
1947.3
1867.3
1776.1
1727.3
1702.3
1659.8
1529.9
1372.4
1203.6
1134.9
1088.6
1052.4
1032.4
994.9
931.2
874.9
812.4
746.2
679.9
619.9
561.2
491.2
430.0
353.7
313.7
435.0
172.5
42.5
0.0

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