

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: P948849

Luminaire Tested: **GALN-SB3D-740-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948849  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3D-740-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

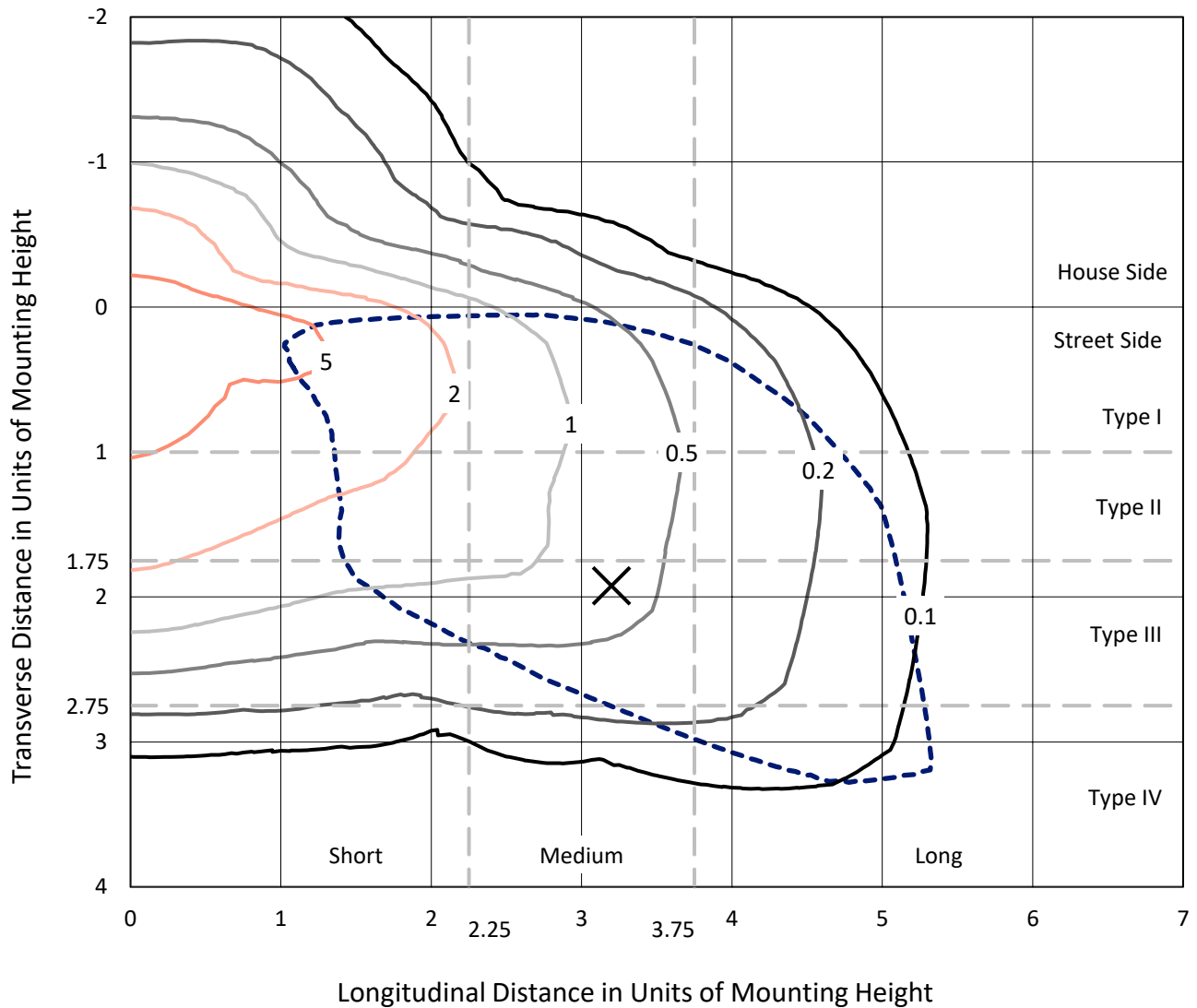
Lumens per Lamp: N/A  
Luminaire Lumens: 31570 lumens  
Efficiency: N/A  
Efficacy: 144.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 218.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

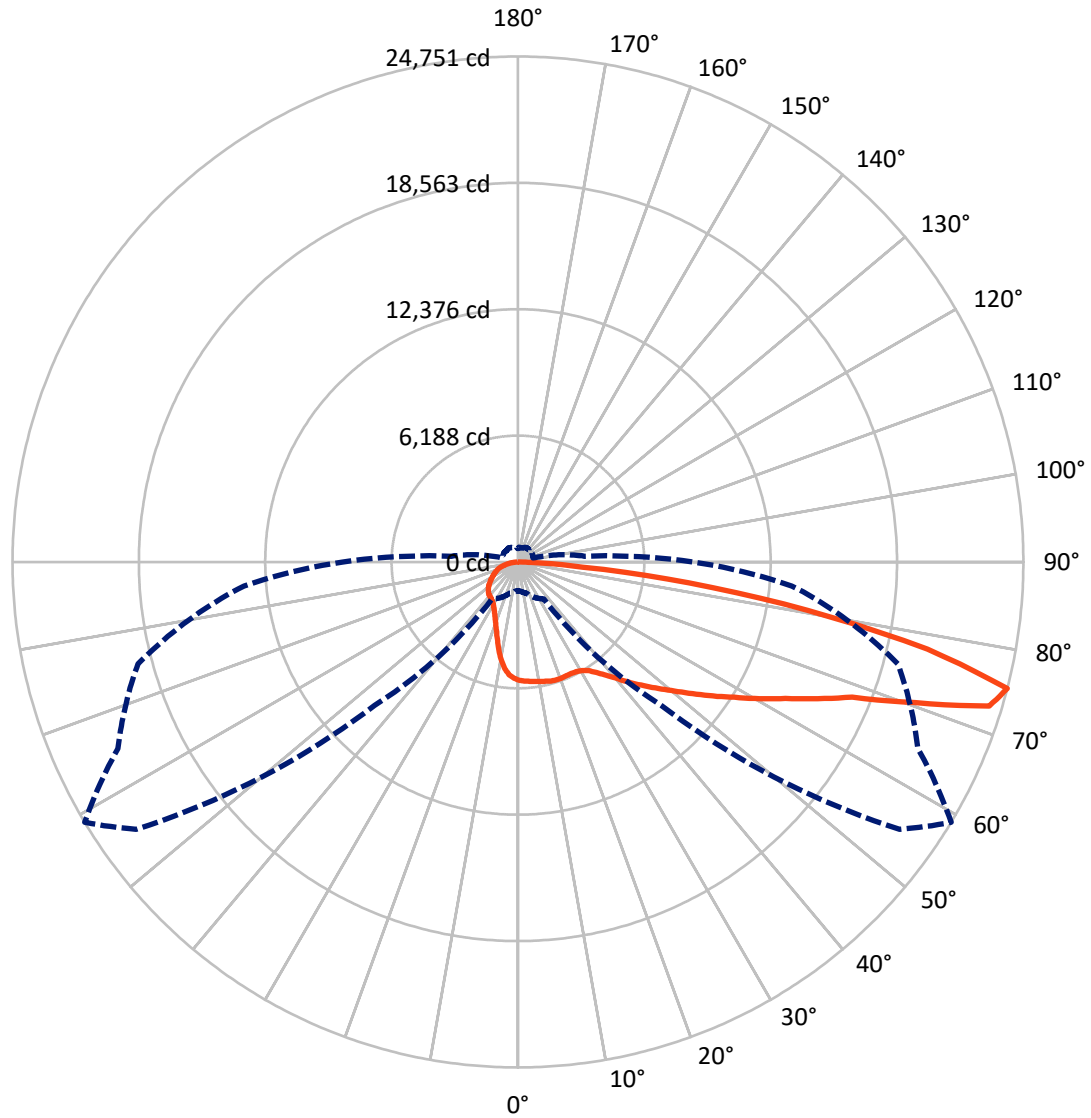
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 75-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5921.2	0.0	5921.2
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	25648.8	0.0	25648.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	31570.0	0.0	31570.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	519.6	1.6
10°-20°	1328.1	4.2
20°-30°	2017.3	6.4
30°-40°	2998.6	9.5
40°-50°	4459.4	14.1
50°-60°	6053.1	19.2
60°-70°	7389.9	23.4
70°-80°	5799.5	18.4
80°-90°	1004.6	3.2
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°	31570.0	100.0
0°-180°	31570.0	100.0

**Coefficient of Utilization**



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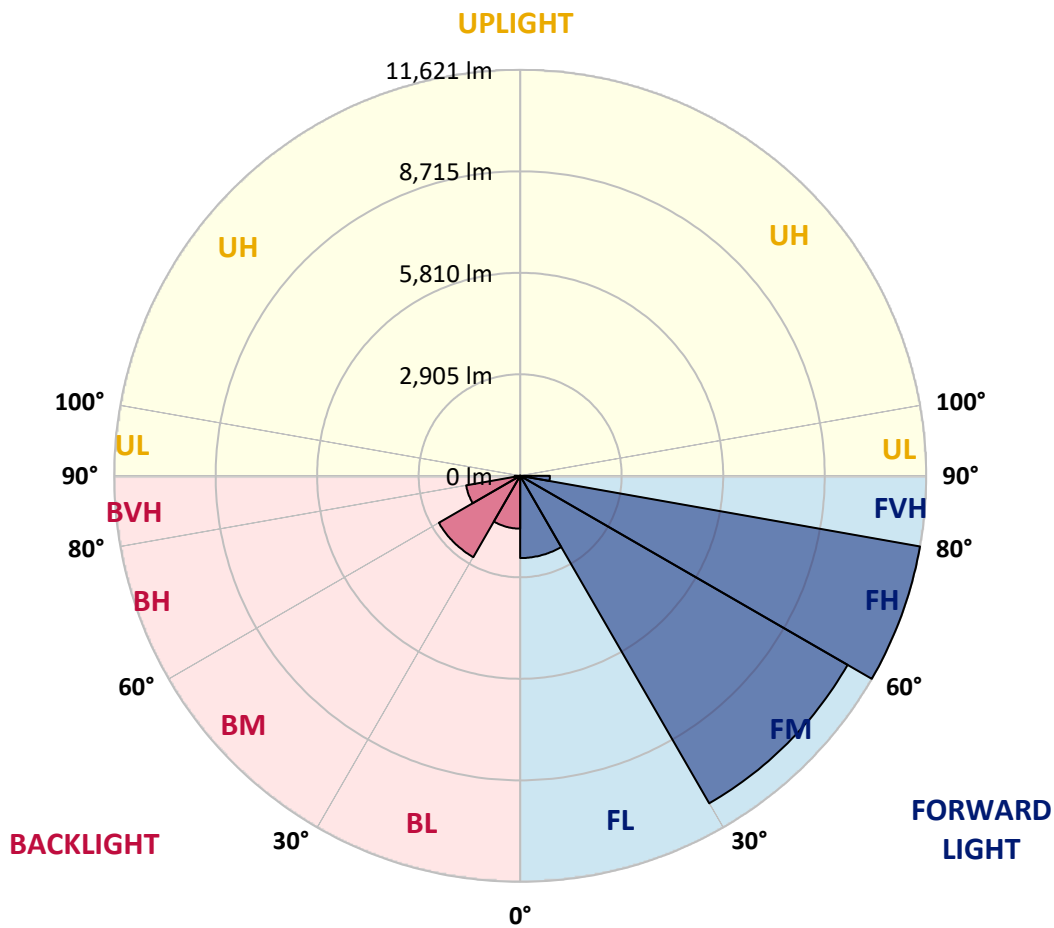
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2353.9	7.5			
FM (30°-60°)	10823.5	34.3			
FH (60°-80°)	11620.6	36.8			G4/12000
FVH (80°-90°)	850.8	2.7			G5
BL (0°-30°)	1511.0	4.8	B3/2500		
BM (30°-60°)	2687.6	8.5	B3/5000		
BH (60°-80°)	1568.7	5.0	B3/2500		G3/2500
BVH (80°-90°)	153.8	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-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°
0°	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6
2.5°	5843.9	5823.5	5843.9	5835.4	5832.0	5825.2	5826.9	5838.8	5832.0	5840.5
5°	5804.8	5792.9	5813.3	5808.2	5830.3	5833.7	5855.7	5869.3	5877.8	5879.5
7.5°	5740.3	5728.4	5757.2	5781.0	5828.6	5842.2	5888.0	5910.1	5922.0	5942.4
10°	5504.2	5499.1	5570.4	5660.4	5772.5	5842.2	5911.8	5949.1	5967.8	6022.2
12.5°	5086.4	5093.2	5186.6	5359.8	5584.0	5808.2	5939.0	5993.3	6022.2	6090.1
15°	4687.3	4685.6	4787.5	4972.6	5286.8	5658.7	5952.5	6046.0	6095.2	6195.4
17.5°	4456.3	4449.5	4520.9	4661.8	4953.9	5429.5	5918.6	6074.8	6180.1	6305.8
20°	4413.9	4400.3	4437.7	4507.3	4714.5	5178.1	5830.3	6074.8	6248.0	6411.1
22.5°	4568.4	4546.4	4531.1	4522.6	4614.3	4970.9	5730.1	6054.4	6348.2	6562.2
25°	4879.2	4845.3	4767.1	4690.7	4663.5	4877.5	5641.8	6049.3	6497.7	6766.0
27.5°	5381.9	5339.5	5181.5	4998.1	4833.4	4925.1	5602.7	6079.9	6662.4	6981.7
30°	6005.2	5959.3	5760.6	5478.7	5183.2	5101.7	5651.9	6169.9	6873.0	7268.7
32.5°	6563.9	6513.0	6343.2	6056.1	5657.0	5407.4	5808.2	6341.5	7204.2	7667.8
35°	7059.8	7000.4	6847.5	6582.6	6237.9	5837.1	6090.1	6645.5	7674.6	8316.6
37.5°	7545.6	7475.9	7309.5	7029.3	6788.1	6409.4	6479.0	7036.1	8299.6	9104.6
40°	8089.0	7988.8	7786.7	7509.9	7275.5	7080.2	6990.2	7515.0	8934.8	9984.3
42.5°	8615.5	8520.4	8279.2	8043.2	7749.3	7693.3	7582.9	8075.4	9629.4	10950.6
45°	9182.7	9068.9	8776.8	8477.9	8292.8	8100.9	8156.9	8635.9	10310.4	11935.7
47.5°	9714.3	9586.9	9242.2	8909.3	8807.4	8444.0	8683.4	9252.3	11018.6	12934.3
50°	10001.3	9875.6	9588.6	9288.0	9208.2	8866.8	9254.0	9930.0	11760.7	13929.5
52.5°	10240.8	10104.9	9729.6	9563.1	9539.4	9327.1	9957.1	10704.4	12502.9	14809.2
55°	10495.5	10344.4	9865.4	9716.0	9824.7	9843.4	10791.0	11582.4	13287.5	15666.8
57.5°	10789.3	10597.4	9996.2	9845.1	10103.2	10447.9	11748.8	12492.7	14058.5	16461.6
60°	11066.1	10872.5	10247.5	10050.5	10403.8	11149.3	12847.6	13594.9	14931.5	17169.8
62.5°	11120.5	10960.8	10447.9	10446.2	10811.4	11967.9	14148.5	14707.3	15694.0	17869.5
65°	10179.6	10079.4	9775.4	10431.0	11395.6	13146.5	15597.2	16130.5	16663.7	18480.9
67.5°	7747.6	7761.2	7739.2	9004.4	10923.5	14839.8	17694.6	17653.8	17861.0	19167.0
70°	3542.7	3622.5	4142.2	6215.8	8751.3	15035.1	21162.5	20634.4	19364.0	20055.2
72.5°	1914.0	1975.1	2187.4	3011.1	5261.3	13367.3	23754.1	24129.5	21362.9	20653.0
75°	1404.5	1438.5	1586.2	1914.0	2209.5	9935.1	22825.2	24751.0	21612.6	19258.7
77.5°	1051.2	1066.5	1187.1	1516.6	1131.1	5237.6	18238.1	20498.5	18501.3	15823.1
80°	762.5	779.5	869.5	1137.9	793.1	1915.7	12523.3	14388.0	12671.0	10086.2
82.5°	526.5	533.3	572.3	774.4	553.6	743.9	7105.7	8437.2	7073.4	3539.3
85°	317.6	326.1	343.1	451.7	314.2	353.2	3067.1	3172.4	2114.4	845.8
87.5°	130.8	139.3	152.8	190.2	124.0	98.5	506.1	635.2	395.7	248.0
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°
5794.6	0°	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6	5794.6
5811.6	2.5°	5803.1	5791.2	5758.9	5714.8	5674.0	5623.1	5601.0	5582.3	5565.3	5533.1
5857.4	5°	5838.8	5806.5	5719.9	5607.8	5480.4	5341.2	5205.3	5111.9	5032.1	4972.6
5910.1	7.5°	5893.1	5832.0	5674.0	5444.8	5152.6	4853.7	4583.7	4391.8	4247.5	4194.8
5984.8	10°	5949.1	5876.1	5601.0	5196.8	4692.4	4232.2	3873.8	3676.8	3561.3	3524.0
6073.1	12.5°	6015.4	5908.4	5487.2	4852.0	4177.8	3673.4	3360.9	3245.5	3186.0	3165.6
6181.8	15°	6112.2	5935.6	5315.7	4420.7	3687.0	3265.8	3063.7	2983.9	2953.3	2951.6
6293.9	17.5°	6185.2	5940.7	5049.0	3958.7	3310.0	3019.6	2853.1	2822.6	2843.0	2873.5
6404.3	20°	6266.7	5894.8	4699.2	3537.6	3045.1	2803.9	2734.3	2754.6	2803.9	2848.1
6550.3	22.5°	6324.5	5811.6	4276.3	3209.8	2815.8	2679.9	2676.5	2719.0	2746.2	2768.2
6721.9	25°	6375.4	5670.6	3828.0	2934.7	2627.3	2605.2	2642.6	2629.0	2610.3	2629.0
6893.4	27.5°	6412.8	5448.1	3427.2	2693.5	2494.8	2554.2	2532.2	2501.6	2499.9	2510.1
7095.5	30°	6400.9	5150.9	3097.7	2464.2	2401.4	2459.1	2406.5	2401.4	2396.3	2401.4
7399.5	32.5°	6400.9	4813.0	2844.7	2306.3	2342.0	2319.9	2314.8	2302.9	2282.5	2280.8
7812.2	35°	6436.6	4475.0	2627.3	2221.4	2292.7	2240.1	2243.5	2214.6	2172.1	2151.7
8359.0	37.5°	6509.6	4203.3	2411.6	2180.6	2206.1	2204.4	2190.8	2141.6	2066.8	2002.3
9041.8	40°	6686.2	4123.5	2263.8	2161.9	2165.3	2185.7	2150.0	2054.9	1885.1	1779.8
9734.7	42.5°	6963.0	4257.6	2231.6	2116.1	2138.2	2158.5	2088.9	1868.1	1747.6	1684.7
10461.5	45°	7314.6	4492.0	2301.2	2049.8	2073.6	2109.3	1902.1	1796.8	1742.5	1744.2
11181.6	47.5°	7759.5	4738.3	2430.3	1992.1	1980.2	2000.6	1778.1	1713.6	1638.9	1657.5
11872.8	50°	8274.1	4987.9	2552.5	1914.0	1876.6	1810.4	1698.3	1637.2	1542.1	1497.9
12540.3	52.5°	8831.2	5229.1	2601.8	1818.9	1764.5	1688.1	1644.0	1569.2	1453.7	1380.7
13170.3	55°	9359.3	5448.1	2547.5	1705.1	1652.4	1593.0	1586.2	1540.4	1416.4	1314.5
13730.8	57.5°	9858.6	5631.6	2411.6	1589.6	1538.7	1503.0	1548.9	1526.8	1370.5	1239.8
14260.6	60°	10281.5	5757.2	2214.6	1472.4	1436.8	1418.1	1487.7	1480.9	1306.0	1159.9
14736.2	62.5°	10617.8	5806.5	1997.2	1360.3	1351.8	1317.9	1402.8	1402.8	1224.5	1081.8
15153.9	65°	10881.0	5758.9	1776.4	1249.9	1266.9	1216.0	1299.2	1289.0	1137.9	1012.2
15634.6	67.5°	11113.7	5602.7	1531.9	1141.3	1180.3	1115.8	1190.5	1166.7	1042.8	942.6
16050.6	70°	11217.3	5239.3	1253.3	1032.6	1080.1	1017.3	1081.8	1037.7	935.8	867.8
15593.8	72.5°	10385.1	4354.4	986.7	918.8	959.5	908.6	964.6	913.7	820.3	789.7
13465.8	75°	8591.7	3267.5	759.1	794.8	825.4	786.3	823.7	786.3	701.4	723.5
9946.9	77.5°	6239.6	2206.1	580.8	664.0	677.6	657.2	689.5	647.1	570.6	565.5
4957.3	80°	3102.8	1292.4	455.1	524.8	519.7	506.1	543.5	523.1	458.5	485.7
1338.3	82.5°	898.4	553.6	331.2	368.5	358.3	361.7	388.9	399.1	597.8	592.7
416.1	85°	281.9	217.4	198.7	205.5	195.3	200.4	229.3	455.1	421.2	246.3
129.1	87.5°	73.0	74.7	49.3	52.6	54.3	64.5	73.0	276.8	132.5	86.6
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>
5794.6
5517.8
4923.4
4103.1
3466.2
3170.7
2958.4
2885.4
2863.3
2780.1
2640.9
2527.1
2420.1
2302.9
2172.1
2024.4
1793.4
1684.7
1752.6
1705.1
1509.8
1379.0
1314.5
1233.0
1154.8
1076.7
1005.4
935.8
854.2
764.2
660.6
540.1
480.6
606.3
266.6
91.7
0.0

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