

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: P953868

Luminaire Tested: **GALN-SB7B-750-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953868  
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-SB7B-750-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

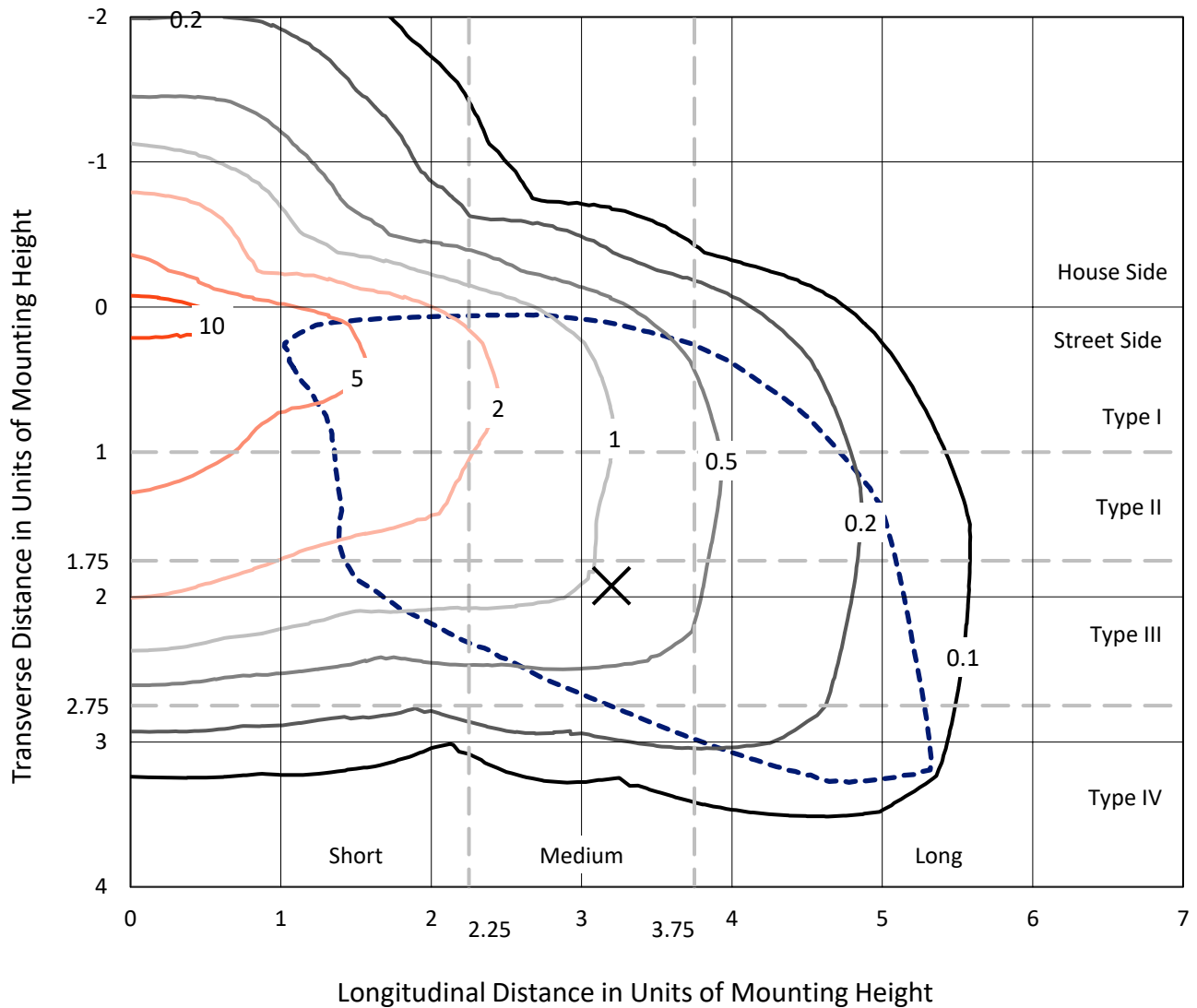
Lumens per Lamp: N/A  
Luminaire Lumens: 41407 lumens  
Efficiency: N/A  
Efficacy: 161.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): 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

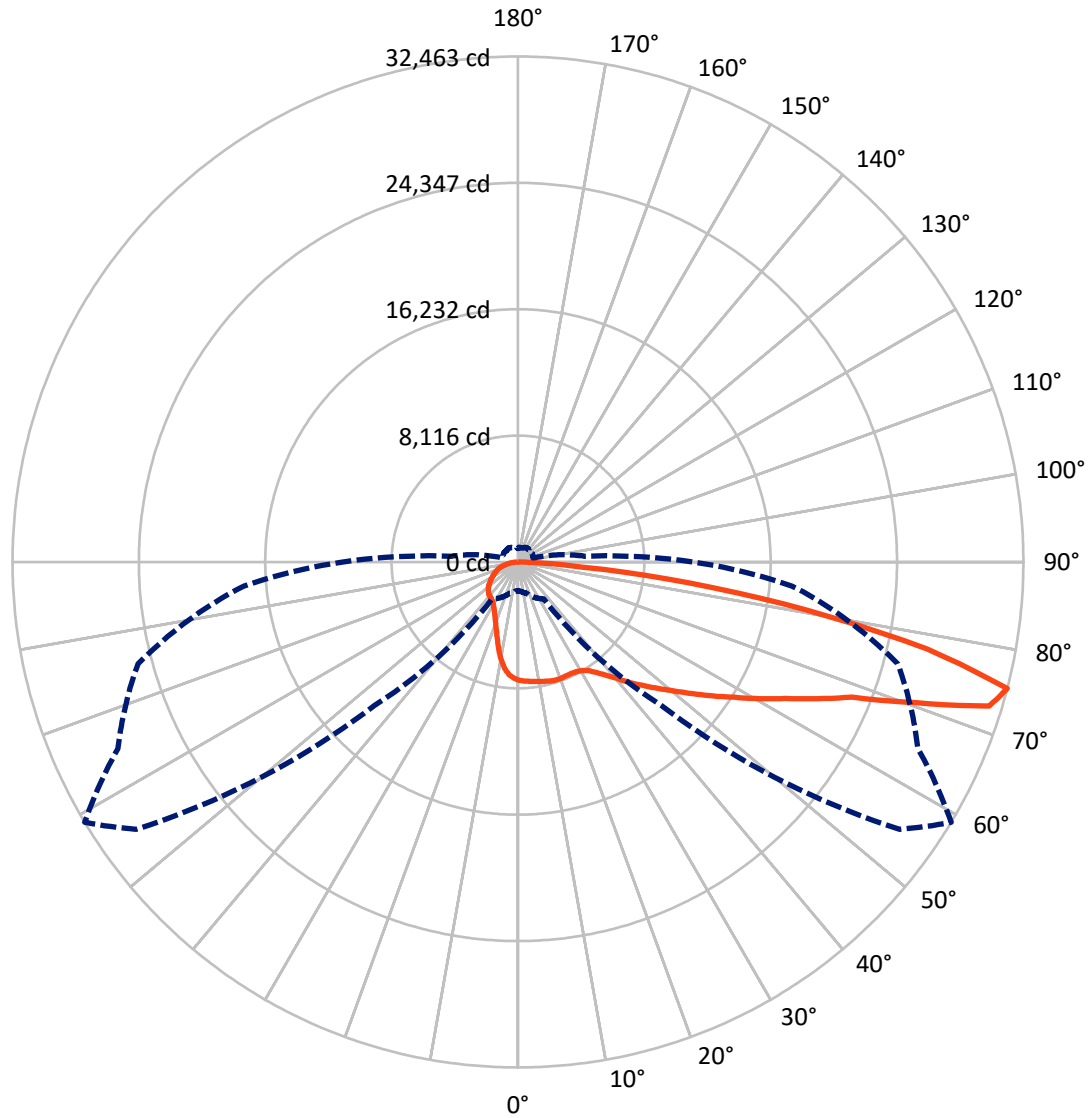
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.2 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	7766.2	0.0	7766.2
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	33640.8	0.0	33640.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	41407.0	0.0	41407.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	681.5	1.6
10°-20°	1741.9	4.2
20°-30°	2645.8	6.4
30°-40°	3932.9	9.5
40°-50°	5848.9	14.1
50°-60°	7939.2	19.2
60°-70°	9692.5	23.4
70°-80°	7606.6	18.4
80°-90°	1317.6	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°	41407.0	100.0
0°-180°	41407.0	100.0

**Coefficient of Utilization**



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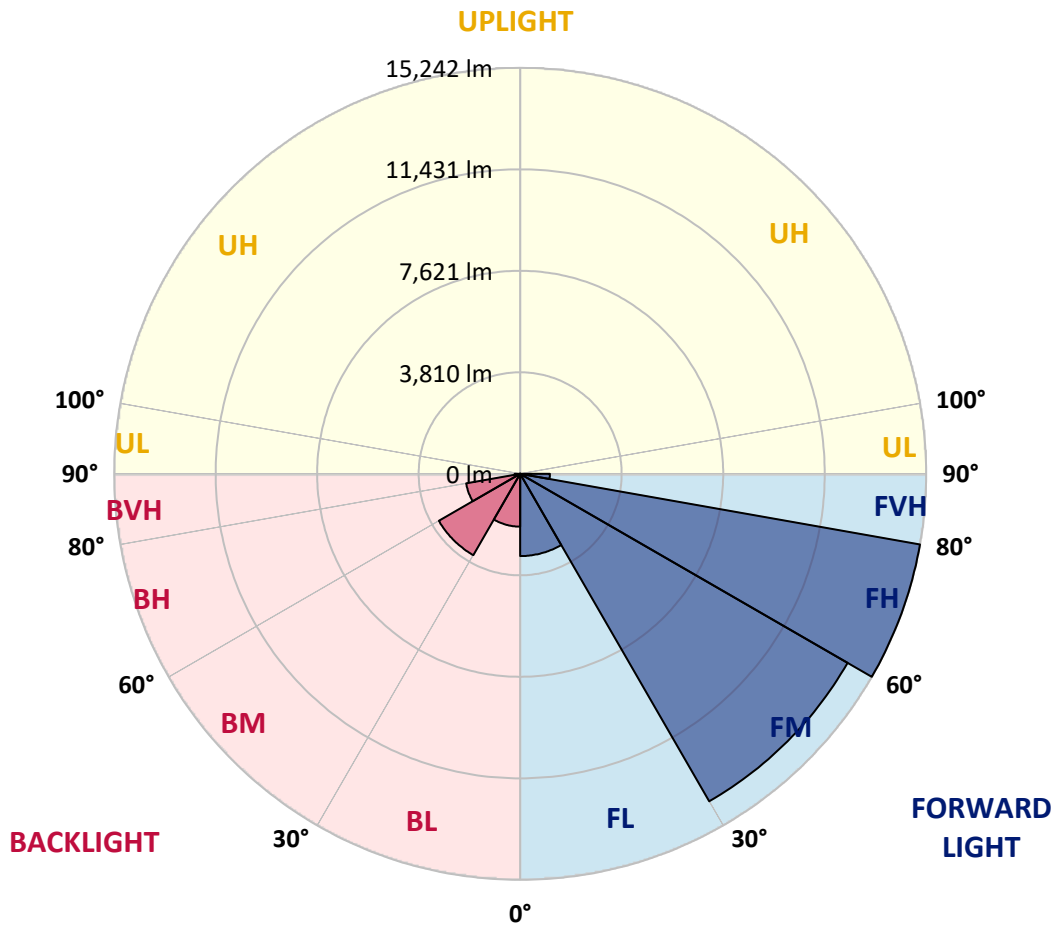
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3087.3	7.5			
FM (30°-60°)	14196.0	34.3			
FH (60°-80°)	15241.5	36.8			G5
FVH (80°-90°)	1115.9	2.7			G5
BL (0°-30°)	1981.8	4.8	B3/2500		
BM (30°-60°)	3525.1	8.5	B3/5000		
BH (60°-80°)	2057.6	5.0	B3/2500		G3/2500
BVH (80°-90°)	201.7	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°	7600.2	7600.2	7600.2	7600.2	7600.2	7600.2	7600.2	7600.2	7600.2	7600.2
2.5°	7664.8	7638.0	7664.8	7653.6	7649.2	7640.3	7642.5	7658.1	7649.2	7660.3
5°	7613.5	7597.9	7624.7	7618.0	7646.9	7651.4	7680.4	7698.2	7709.3	7711.5
7.5°	7528.9	7513.3	7551.2	7582.3	7644.7	7662.5	7722.7	7751.6	7767.2	7794.0
10°	7219.3	7212.6	7306.1	7424.2	7571.2	7662.5	7753.9	7802.9	7827.4	7898.6
12.5°	6671.3	6680.2	6802.7	7029.9	7324.0	7618.0	7789.5	7860.8	7898.6	7987.7
15°	6147.8	6145.6	6279.3	6522.1	6934.1	7422.0	7807.3	7929.8	7994.4	8125.8
17.5°	5844.9	5836.0	5929.6	6114.4	6497.6	7121.3	7762.8	7967.7	8105.8	8270.6
20°	5789.2	5771.4	5820.4	5911.7	6183.5	6791.6	7646.9	7967.7	8194.9	8408.7
22.5°	5991.9	5963.0	5942.9	5931.8	6052.1	6519.8	7515.5	7941.0	8326.3	8607.0
25°	6399.6	6355.0	6252.5	6152.3	6116.7	6397.3	7399.7	7934.3	8522.3	8874.3
27.5°	7058.9	7003.2	6796.0	6555.5	6339.4	6459.7	7348.5	7974.4	8738.4	9157.2
30°	7876.4	7816.2	7555.6	7185.9	6798.3	6691.4	7413.1	8092.4	9014.6	9533.6
32.5°	8609.2	8542.4	8319.6	7943.2	7419.7	7092.3	7618.0	8317.4	9449.0	10057.1
35°	9259.6	9181.7	8981.2	8633.7	8181.5	7655.8	7987.7	8716.1	10066.0	10908.0
37.5°	9896.7	9805.4	9587.1	9219.5	8903.2	8406.5	8497.8	9228.5	10885.7	11941.5
40°	10609.5	10478.1	10213.0	9849.9	9542.5	9286.4	9168.3	9856.6	11718.8	13095.4
42.5°	11300.0	11175.3	10859.0	10549.3	10164.0	10090.5	9945.7	10591.7	12629.8	14362.8
45°	12044.0	11894.7	11511.6	11119.6	10876.8	10625.1	10698.6	11326.7	13523.0	15654.7
47.5°	12741.2	12574.1	12121.9	11685.4	11551.7	11075.0	11389.1	12135.3	14451.9	16964.5
50°	13117.6	12952.8	12576.4	12182.1	12077.4	11629.7	12137.5	13024.1	15425.3	18269.8
52.5°	13431.7	13253.5	12761.2	12542.9	12511.8	12233.3	13059.7	14039.8	16398.7	19423.6
55°	13765.8	13567.6	12939.4	12743.4	12886.0	12910.5	14153.4	15191.4	17427.8	20548.5
57.5°	14151.2	13899.5	13110.9	12912.7	13251.3	13703.5	15409.7	16385.3	18439.1	21591.0
60°	14514.3	14260.3	13440.6	13182.2	13645.5	14623.4	16850.9	17831.0	19584.0	22519.8
62.5°	14585.5	14376.2	13703.5	13701.2	14180.1	15697.1	18557.1	19290.0	20584.1	23437.5
65°	13351.5	13220.1	12821.4	13681.2	14946.4	17242.9	20457.2	21156.6	21856.0	24239.4
67.5°	10161.8	10179.6	10150.6	11810.1	14327.2	19463.7	23208.1	23154.7	23426.4	25139.3
70°	4646.5	4751.2	5432.8	8152.6	11478.2	19719.9	27756.6	27063.9	25397.7	26304.3
72.5°	2510.4	2590.6	2869.0	3949.3	6900.7	17532.5	31155.8	31648.0	28019.5	27088.4
75°	1842.1	1886.7	2080.5	2510.4	2898.0	13030.8	29937.3	32463.3	28346.9	25259.6
77.5°	1378.8	1398.9	1557.0	1989.1	1483.5	6869.5	23920.9	26885.7	24266.2	20753.4
80°	1000.1	1022.4	1140.5	1492.4	1040.2	2512.6	16425.4	18871.2	16619.2	13229.0
82.5°	690.5	699.4	750.7	1015.7	726.2	975.6	9319.8	11066.1	9277.5	4642.1
85°	416.5	427.7	450.0	592.5	412.1	463.3	4022.8	4160.9	2773.2	1109.3
87.5°	171.5	182.7	200.5	249.5	162.6	129.2	663.8	833.1	519.0	325.2
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°
7600.2	0°	7600.2	7600.2	7600.2	7600.2	7600.2	7600.2	7600.2	7600.2	7600.2	7600.2
7622.4	2.5°	7611.3	7595.7	7553.4	7495.5	7442.0	7375.2	7346.2	7321.7	7299.5	7257.1
7682.6	5°	7658.1	7615.8	7502.2	7355.1	7188.1	7005.4	6827.2	6704.7	6600.0	6522.1
7751.6	7.5°	7729.4	7649.2	7442.0	7141.3	6758.2	6366.1	6012.0	5760.3	5570.9	5501.9
7849.6	10°	7802.9	7707.1	7346.2	6816.1	6154.5	5550.9	5080.9	4822.5	4671.0	4622.0
7965.5	12.5°	7889.7	7749.4	7197.0	6363.9	5479.6	4818.0	4408.2	4256.7	4178.8	4152.0
8108.0	15°	8016.7	7785.0	6972.0	5798.1	4835.9	4283.4	4018.4	3913.7	3873.6	3871.4
8255.0	17.5°	8112.5	7791.7	6622.3	5192.3	4341.4	3960.5	3742.2	3702.1	3728.8	3768.9
8399.8	20°	8219.4	7731.6	6163.4	4639.8	3993.9	3677.6	3586.2	3613.0	3677.6	3735.5
8591.4	22.5°	8295.1	7622.4	5608.8	4209.9	3693.2	3515.0	3510.5	3566.2	3601.8	3630.8
8816.4	25°	8362.0	7437.6	5020.7	3849.1	3445.9	3417.0	3466.0	3448.1	3423.6	3448.1
9041.3	27.5°	8411.0	7145.8	4495.1	3532.8	3272.2	3350.1	3321.2	3281.1	3278.9	3292.2
9306.4	30°	8395.4	6755.9	4062.9	3232.1	3149.7	3225.4	3156.3	3149.7	3143.0	3149.7
9705.1	32.5°	8395.4	6312.7	3731.0	3024.9	3071.7	3042.7	3036.1	3020.5	2993.7	2991.5
10246.4	35°	8442.2	5869.4	3445.9	2913.5	3007.1	2938.0	2942.5	2904.6	2848.9	2822.2
10963.7	37.5°	8537.9	5513.0	3163.0	2860.1	2893.5	2891.3	2873.4	2808.9	2710.8	2626.2
11859.1	40°	8769.6	5408.3	2969.2	2835.6	2840.0	2866.8	2820.0	2695.3	2472.5	2334.4
12767.9	42.5°	9132.7	5584.3	2926.9	2775.4	2804.4	2831.1	2739.8	2450.2	2292.1	2209.7
13721.3	45°	9593.8	5891.7	3018.2	2688.6	2719.8	2766.5	2494.8	2356.7	2285.4	2287.6
14665.7	47.5°	10177.4	6214.7	3187.5	2612.8	2597.2	2624.0	2332.2	2247.5	2149.5	2174.0
15572.3	50°	10852.3	6542.1	3347.9	2510.4	2461.4	2374.5	2227.5	2147.3	2022.6	1964.6
16447.7	52.5°	11582.9	6858.4	3412.5	2385.6	2314.4	2214.1	2156.2	2058.2	1906.7	1810.9
17274.1	55°	12275.6	7145.8	3341.2	2236.4	2167.3	2089.4	2080.5	2020.3	1857.7	1724.1
18009.2	57.5°	12930.5	7386.3	3163.0	2084.9	2018.1	1971.3	2031.5	2002.5	1797.6	1626.1
18704.2	60°	13485.2	7551.2	2904.6	1931.2	1884.4	1859.9	1951.3	1942.4	1712.9	1521.4
19327.8	62.5°	13926.2	7615.8	2619.5	1784.2	1773.1	1728.5	1839.9	1839.9	1606.0	1418.9
19875.8	65°	14271.5	7553.4	2329.9	1639.4	1661.7	1594.9	1704.0	1690.7	1492.4	1327.6
20506.2	67.5°	14576.6	7348.5	2009.2	1496.9	1548.1	1463.5	1561.5	1530.3	1367.7	1236.3
21051.9	70°	14712.5	6871.8	1643.9	1354.3	1416.7	1334.3	1418.9	1361.0	1227.3	1138.2
20452.7	72.5°	13621.0	5711.3	1294.2	1205.1	1258.5	1191.7	1265.2	1198.4	1075.9	1035.8
17661.7	75°	11268.8	4285.7	995.7	1042.5	1082.6	1031.3	1080.3	1031.3	919.9	948.9
13046.4	77.5°	8183.8	2893.5	761.8	870.9	888.8	862.0	904.4	848.7	748.4	741.8
6502.0	80°	4069.6	1695.1	597.0	688.3	681.6	663.8	712.8	686.1	601.4	637.1
1755.3	82.5°	1178.3	726.2	434.4	483.4	470.0	474.5	510.1	523.5	784.1	777.4
545.7	85°	369.8	285.1	260.6	269.5	256.2	262.8	300.7	597.0	552.4	323.0
169.3	87.5°	95.8	98.0	64.6	69.1	71.3	84.6	95.8	363.1	173.7	113.6
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>
7600.2
7237.1
6457.5
5381.6
4546.3
4158.7
3880.3
3784.5
3755.5
3646.4
3463.7
3314.5
3174.2
3020.5
2848.9
2655.2
2352.2
2209.7
2298.8
2236.4
1980.2
1808.7
1724.1
1617.2
1514.7
1412.2
1318.7
1227.3
1120.4
1002.4
866.5
708.3
630.4
795.2
349.7
120.3
0.0

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