

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: P952809

Luminaire Tested: **GALN-SB6C-750-U-T4W**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P952809  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB6C-750-U-T4W  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

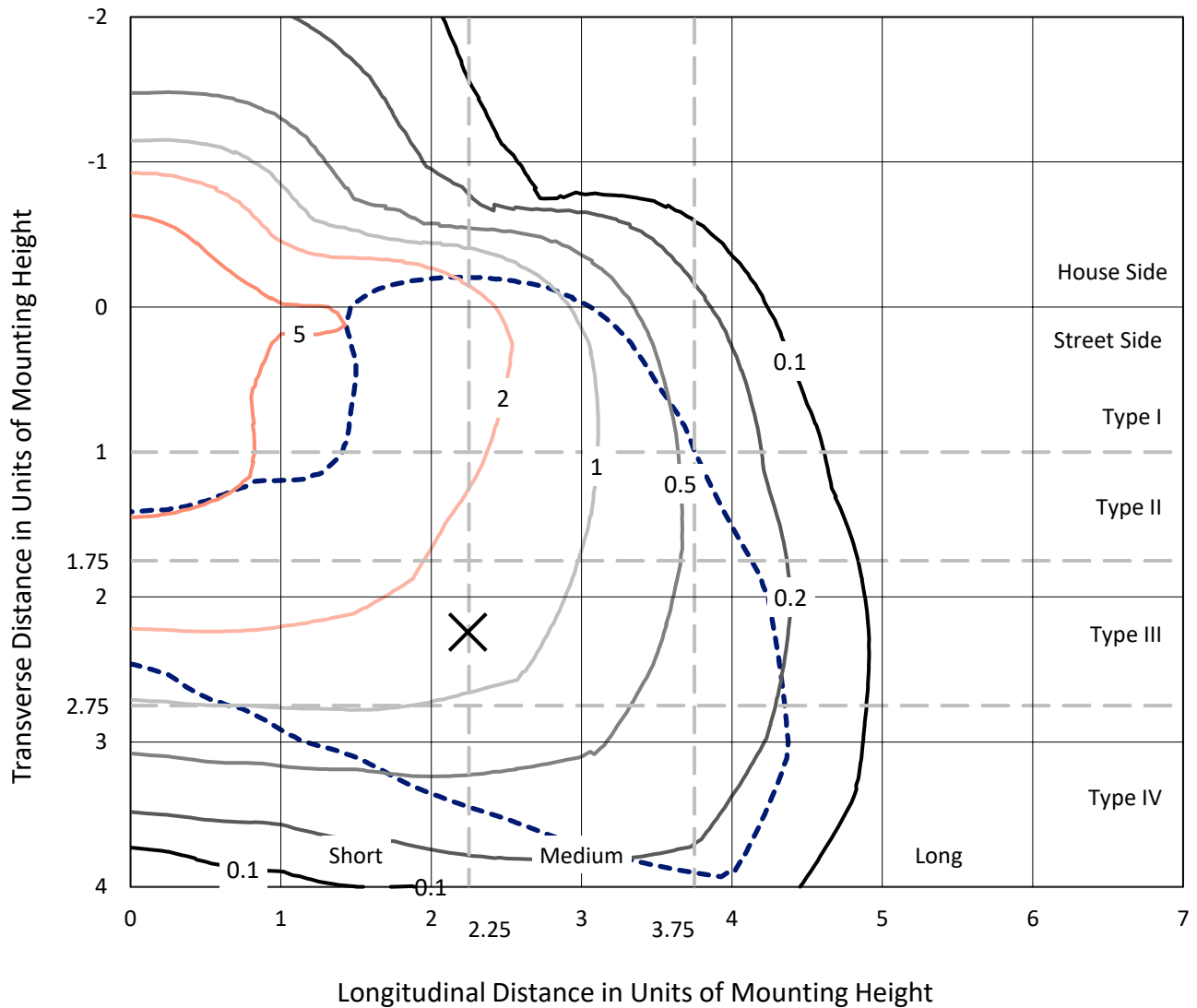
Lumens per Lamp: N/A  
Luminaire Lumens: 47953 lumens  
Efficiency: N/A  
Efficacy: 159.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

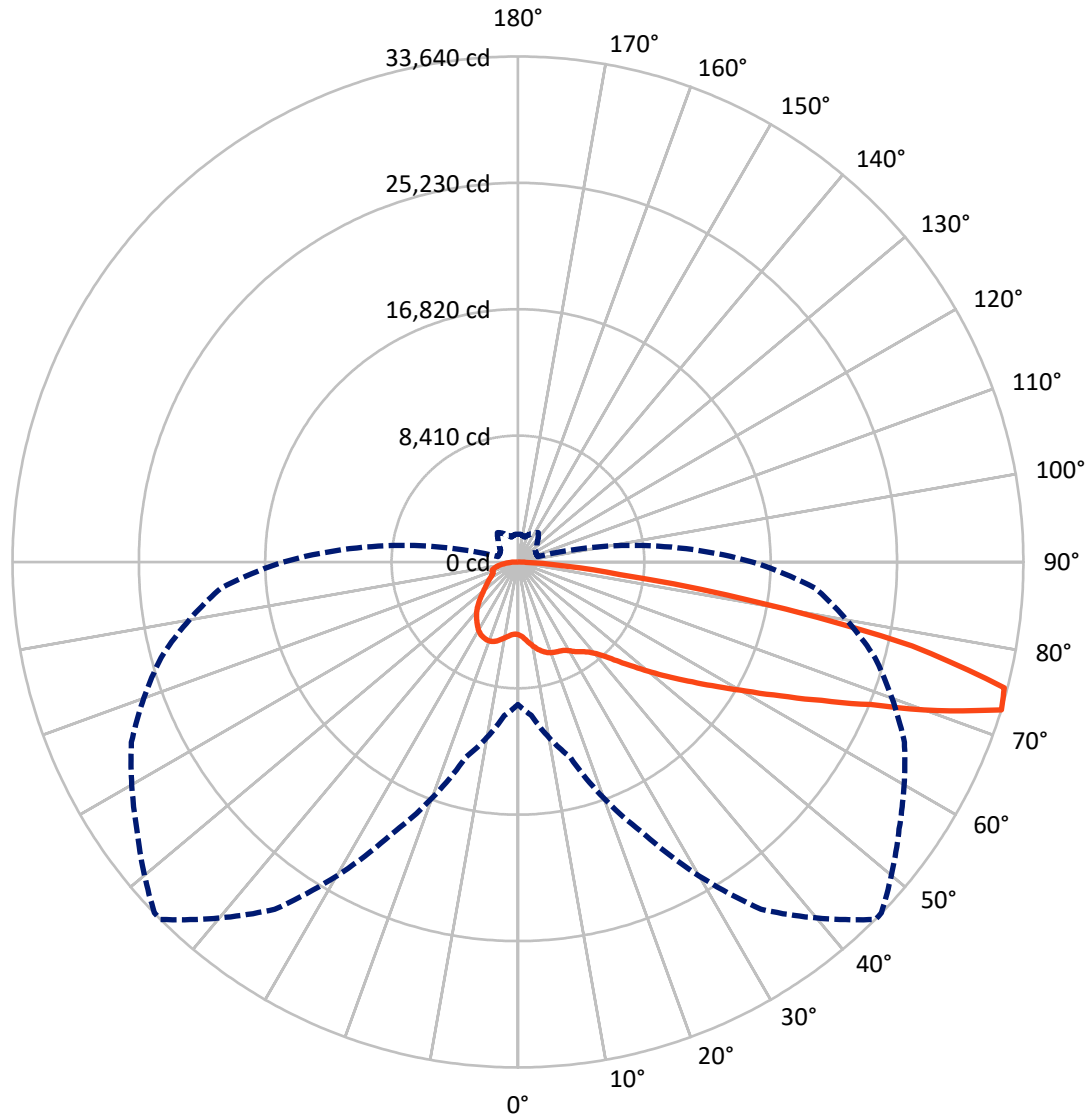
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10840.5	0.0	10840.5
	% Fixture	22.6	0.0	22.6
<b>Street Side</b>	Lumens	37112.5	0.0	37112.5
	% Fixture	77.4	0.0	77.4
<b>Total</b>	Lumens	47953.0	0.0	47953.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	492.4	1.0
10°-20°	1641.6	3.4
20°-30°	2855.7	6.0
30°-40°	4093.8	8.5
40°-50°	5764.2	12.0
50°-60°	8829.1	18.4
60°-70°	12790.3	26.7
70°-80°	10213.8	21.3
80°-90°	1272.1	2.7
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°	47953.0	100.0
0°-180°	47953.0	100.0



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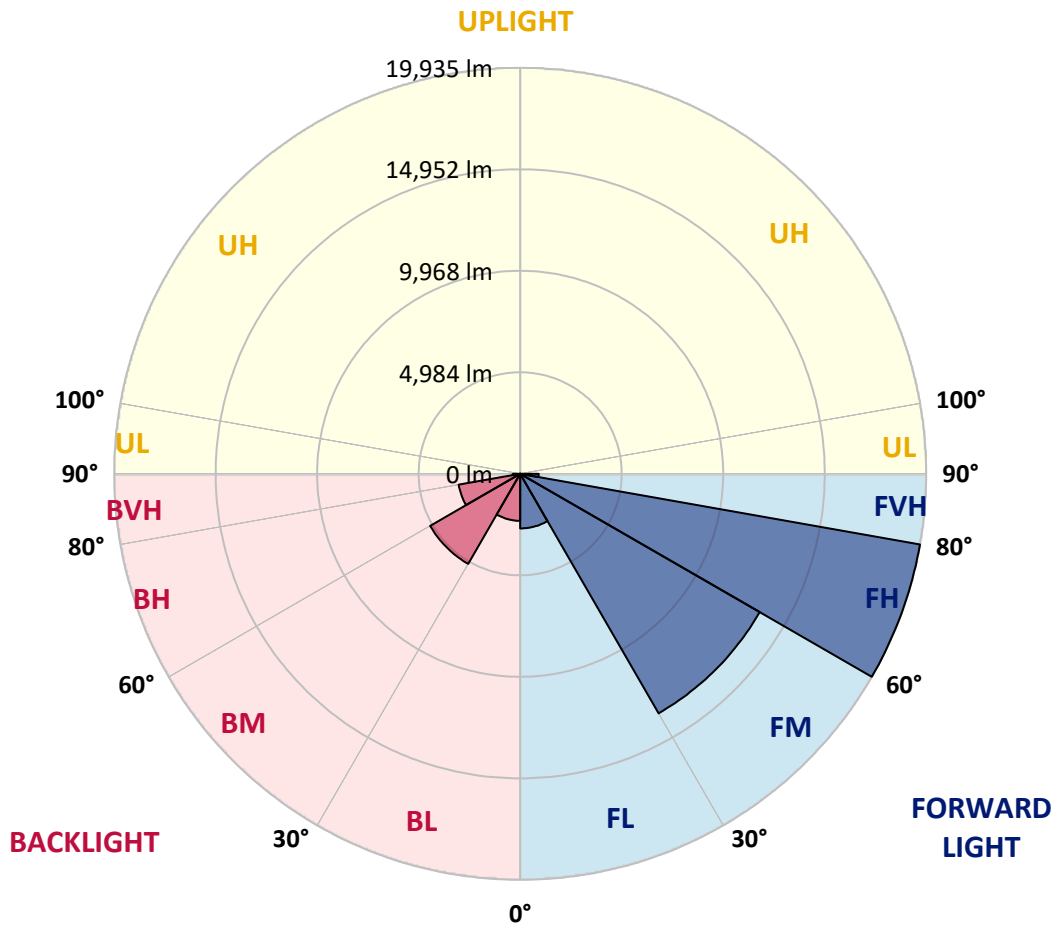
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2681.6	5.6			
FM (30°-60°)	13582.8	28.3			
FH (60°-80°)	19935.5	41.6			G5
FVH (80°-90°)	912.6	1.9			G5
BL (0°-30°)	2308.0	4.8	B3/2500		
BM (30°-60°)	5104.4	10.6	B4/8500		
BH (60°-80°)	3068.7	6.4	B4/5000		G4/5000
BVH (80°-90°)	359.5	0.7			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°
0°	4837.5	4837.5	4837.5	4837.5	4837.5	4837.5	4837.5	4837.5	4837.5	4837.5
2.5°	5027.0	5059.8	5029.5	5001.7	4989.1	4956.3	4953.7	4933.5	4920.9	4885.5
5°	5378.1	5421.1	5370.5	5315.0	5264.4	5183.6	5173.5	5115.4	5049.7	4973.9
7.5°	5774.7	5812.6	5754.5	5671.1	5582.7	5448.8	5446.3	5340.2	5236.7	5107.8
10°	6120.8	6171.3	6093.0	5979.3	5868.2	5716.6	5698.9	5577.7	5446.3	5279.6
12.5°	6426.5	6461.8	6386.0	6247.1	6118.3	5966.7	5944.0	5810.1	5663.6	5474.1
15°	6669.0	6714.4	6613.4	6464.3	6327.9	6178.9	6158.7	6037.4	5890.9	5691.4
17.5°	6828.1	6866.0	6762.4	6595.7	6464.3	6340.6	6325.4	6224.4	6095.5	5893.4
20°	6888.7	6929.2	6820.5	6651.3	6530.0	6434.0	6426.5	6353.2	6264.8	6080.4
22.5°	6949.4	6987.3	6845.8	6669.0	6562.9	6502.2	6499.7	6451.7	6416.4	6264.8
25°	7194.4	7204.5	7015.0	6759.9	6608.3	6555.3	6552.8	6550.2	6565.4	6446.7
27.5°	7406.6	7404.1	7242.4	7002.4	6767.5	6656.3	6653.8	6679.1	6727.1	6628.5
30°	7717.3	7689.5	7497.5	7247.4	7032.7	6860.9	6845.8	6823.1	6860.9	6782.6
32.5°	8376.6	8288.2	7977.5	7532.9	7252.5	7121.1	7100.9	6959.5	6974.6	6926.6
35°	9321.4	9205.2	8790.9	8073.5	7525.3	7338.4	7328.3	7148.9	7118.6	7075.7
37.5°	10445.5	10301.5	9819.0	8856.6	7995.2	7591.0	7575.8	7414.2	7290.4	7244.9
40°	11574.7	11392.8	10993.7	9811.5	8687.3	8012.9	7964.9	7719.8	7578.4	7502.6
42.5°	12671.0	12519.5	12178.4	10882.5	9541.2	8629.2	8523.1	8103.8	7997.7	7927.0
45°	13641.1	13504.7	13254.6	12026.9	10541.5	9467.9	9364.3	8679.8	8646.9	8646.9
47.5°	14429.2	14398.9	14133.7	13193.9	11721.2	10422.8	10243.4	9480.5	9569.0	9705.4
50°	15303.2	15219.9	14937.0	14343.3	13108.0	11516.6	11370.1	10463.2	10794.1	11168.0
52.5°	16106.6	16152.0	15836.3	15540.7	14674.2	12736.7	12479.0	11622.7	12337.6	12956.5
55°	16932.6	16935.1	16846.7	16806.3	16316.2	14085.7	13802.7	13017.1	14153.9	14921.8
57.5°	17708.1	17713.2	17844.5	18200.7	18220.9	15641.7	15320.9	14729.8	16172.2	16955.3
60°	18400.3	18435.6	18794.4	19628.0	19895.7	17425.2	17122.1	16753.2	18258.8	19047.0
62.5°	18632.7	18761.5	19559.8	20744.5	21550.4	19612.8	19314.7	19095.0	20451.5	21184.1
65°	18238.6	18534.2	20077.6	21666.6	23253.0	22212.2	21916.6	21676.7	22730.0	23419.7
67.5°	17271.1	17652.5	20047.3	22634.1	25319.3	25339.5	25064.2	24500.9	25172.8	25438.1
70°	14722.2	15293.1	18281.5	22995.3	27691.4	29616.3	29351.0	27901.0	27610.5	26327.2
72.5°	9485.6	10253.5	13461.7	20022.0	28219.3	33640.4	33625.2	30970.3	28381.0	24599.4
75°	3460.8	3930.6	6254.7	12567.5	23687.4	33435.8	33534.3	30444.8	25907.9	19001.5
77.5°	1260.5	1379.3	2041.1	4829.9	14568.1	26827.4	27032.0	24339.2	18440.7	9536.1
80°	661.8	727.5	1045.8	1874.4	6242.0	15932.3	16253.1	14464.6	8667.1	2872.2
82.5°	366.3	396.6	586.1	1018.0	2811.6	6813.0	7004.9	5714.1	3049.0	1217.6
85°	197.0	209.7	275.3	555.7	1374.2	2361.9	2415.0	1707.7	1215.1	714.9
87.5°	58.1	70.7	90.9	176.8	538.1	530.5	543.1	338.5	480.0	361.2
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°
4837.5	0°	4837.5	4837.5	4837.5	4837.5	4837.5	4837.5	4837.5	4837.5	4837.5	4837.5
4875.4	2.5°	4860.3	4852.7	4824.9	4812.3	4797.1	4794.6	4807.2	4809.7	4812.3	4814.8
4931.0	5°	4905.7	4880.5	4855.2	4840.1	4845.1	4847.6	4872.9	4890.6	4903.2	4913.3
5034.6	7.5°	4994.1	4973.9	4931.0	4928.5	4936.0	4958.8	4991.6	5032.0	5054.8	5072.5
5168.4	10°	5125.5	5087.6	5037.1	5044.7	5059.8	5092.7	5160.9	5193.7	5231.6	5264.4
5332.6	12.5°	5259.4	5226.5	5168.4	5173.5	5198.8	5256.9	5322.5	5363.0	5388.2	5413.5
5509.5	15°	5433.7	5375.6	5312.4	5312.4	5357.9	5421.1	5451.4	5484.2	5499.4	5527.2
5698.9	17.5°	5613.0	5537.3	5453.9	5448.8	5504.4	5534.7	5552.4	5557.5	5562.5	5592.8
5883.3	20°	5792.4	5709.0	5590.3	5580.2	5592.8	5587.8	5585.3	5580.2	5587.8	5625.7
6072.8	22.5°	5969.2	5873.2	5709.0	5663.6	5628.2	5580.2	5577.7	5575.2	5580.2	5618.1
6277.4	25°	6176.4	6060.2	5840.4	5704.0	5585.3	5519.6	5527.2	5529.7	5534.7	5565.0
6489.6	27.5°	6401.2	6272.4	5961.6	5691.4	5476.6	5431.2	5418.5	5426.1	5443.8	5491.8
6701.8	30°	6626.0	6474.5	6072.8	5640.8	5340.2	5277.1	5236.7	5254.3	5309.9	5357.9
6886.2	32.5°	6830.6	6679.1	6161.2	5529.7	5165.9	5067.4	5014.4	5037.1	5092.7	5110.3
7090.8	35°	7070.6	6898.8	6199.1	5352.9	4976.5	4824.9	4754.2	4721.3	4749.1	4731.4
7330.8	37.5°	7338.4	7159.0	6194.1	5120.5	4754.2	4579.9	4481.3	4357.6	4299.5	4238.8
7684.5	40°	7735.0	7477.3	6133.4	4840.1	4478.8	4319.7	4142.8	3933.2	3801.8	3683.1
8255.4	42.5°	8275.6	7919.4	6022.3	4531.9	4168.1	4019.1	3779.1	3534.0	3326.9	3129.9
9121.8	45°	9081.4	8497.9	5883.3	4203.5	3832.1	3685.6	3425.4	3150.1	2915.1	2662.5
10352.0	47.5°	10243.4	9275.9	5752.0	3829.6	3478.5	3344.6	3109.7	2854.5	2576.6	2331.6
12130.4	50°	11839.9	10392.5	5630.7	3465.8	3129.9	3028.8	2841.9	2581.7	2301.3	2104.3
14214.5	52.5°	13870.9	11910.7	5580.2	3114.7	2804.0	2766.1	2617.1	2374.6	2109.3	1942.6
16644.6	55°	16202.5	13726.9	5580.2	2778.7	2518.5	2531.2	2427.6	2202.8	1972.9	1823.9
19150.5	57.5°	18582.2	15566.0	5479.2	2468.0	2276.0	2329.1	2263.4	2066.4	1859.2	1705.1
21785.3	60°	20774.8	17106.9	5069.9	2185.1	2061.3	2144.7	2101.7	1932.5	1679.9	1551.0
23988.1	62.5°	22459.8	17975.9	4281.8	1960.3	1884.5	1980.5	1957.7	1755.7	1647.0	1594.0
25796.8	65°	23303.5	17834.4	3273.9	1760.7	1735.4	1884.5	1836.5	1828.9	1743.0	1682.4
26385.3	67.5°	22785.6	16616.8	2374.6	1614.2	1649.6	1796.1	1980.5	2010.8	1851.6	1732.9
24728.2	70°	20514.6	14414.1	1768.3	1475.3	1540.9	1798.6	2258.4	2104.3	1816.3	1677.3
19832.6	72.5°	15606.4	10748.7	1371.7	1328.7	1399.5	1811.2	2382.1	2061.3	1715.2	1854.2
12355.3	75°	8924.8	5901.0	1101.4	1149.4	1222.6	1692.5	2319.0	1950.2	1636.9	1702.6
4895.6	77.5°	3402.7	2268.5	909.4	972.6	982.7	1477.8	2217.9	1942.6	1558.6	1520.7
1467.7	80°	1179.7	886.7	752.8	773.0	760.4	1313.6	2127.0	1690.0	1275.7	1141.8
606.3	82.5°	482.5	442.1	596.2	570.9	540.6	1020.6	1717.8	1381.8	1043.3	922.0
293.0	85°	209.7	280.4	394.1	346.1	313.2	707.3	1376.7	1169.6	881.6	760.4
96.0	87.5°	42.9	106.1	166.7	156.6	161.7	472.4	977.6	831.1	624.0	467.3
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>
4837.5
4824.9
4918.4
5077.5
5256.9
5423.6
5537.3
5602.9
5640.8
5643.4
5605.5
5539.8
5411.0
5173.5
4787.0
4276.7
3690.7
3112.2
2632.2
2303.8
2091.6
1930.0
1808.7
1679.9
1530.8
1576.3
1662.2
1712.7
1654.6
1839.0
1702.6
1386.8
1103.9
911.9
757.8
366.3
0.0

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