

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: P953301

Luminaire Tested: **GALN-SB6D-927-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953301  
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-SB6D-927-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

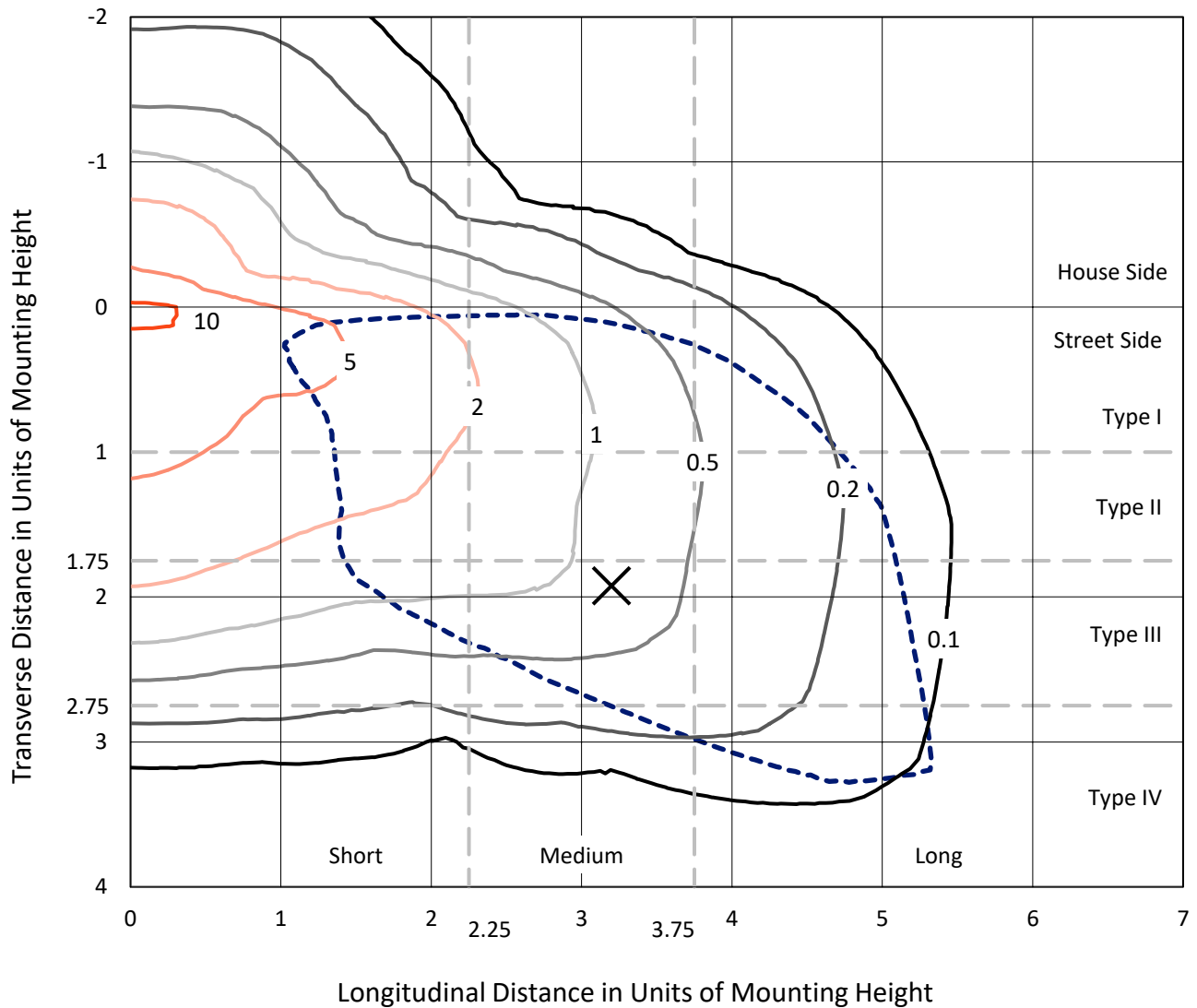
Lumens per Lamp: N/A  
Luminaire Lumens: 36710 lumens  
Efficiency: N/A  
Efficacy: 83.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

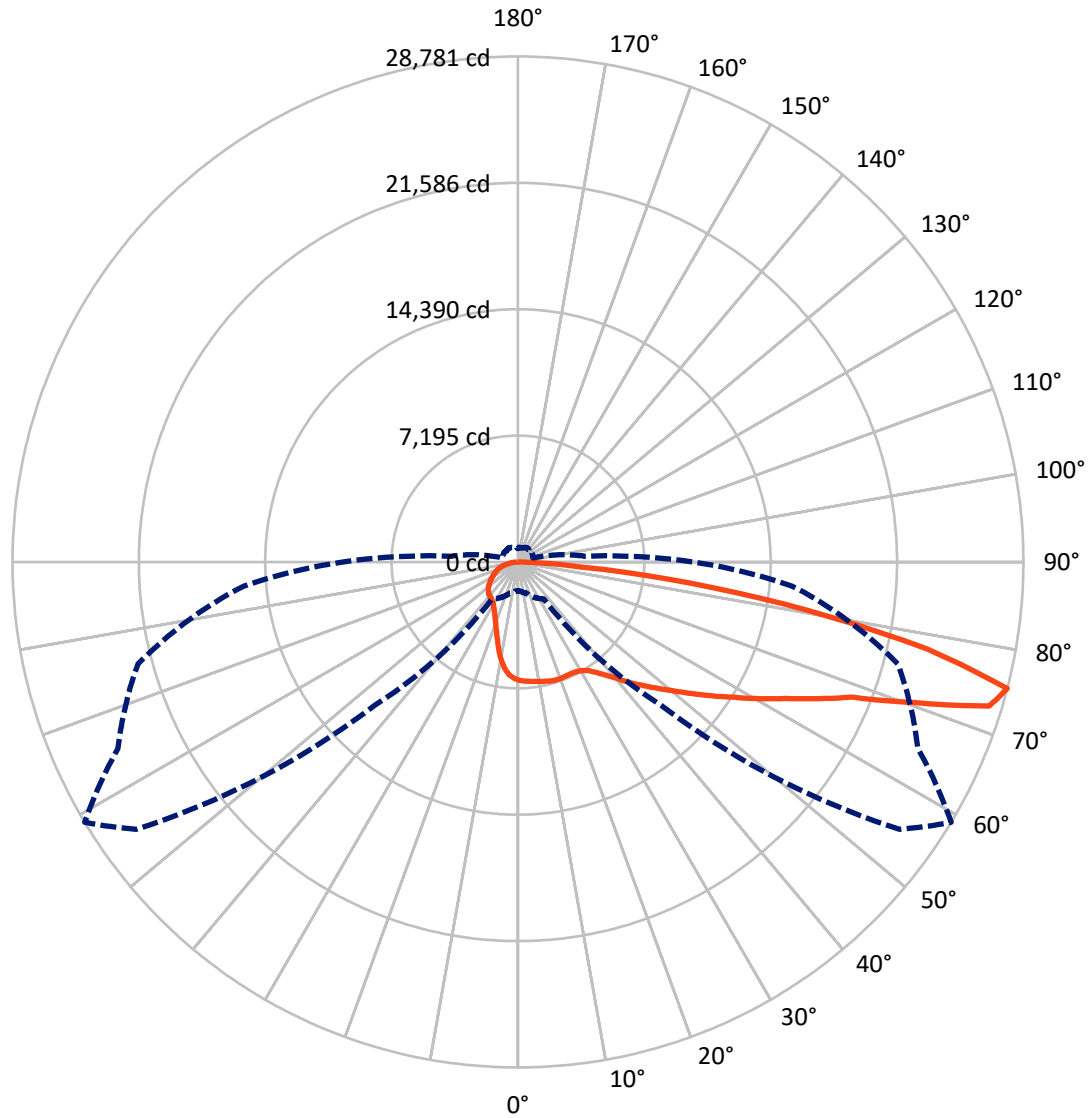
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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	6885.2	0.0	6885.2
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	29824.8	0.0	29824.8
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	36710.0	0.0	36710.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	604.2	1.6
10°-20°	1544.3	4.2
20°-30°	2345.7	6.4
30°-40°	3486.8	9.5
40°-50°	5185.5	14.1
50°-60°	7038.7	19.2
60°-70°	8593.0	23.4
70°-80°	6743.7	18.4
80°-90°	1168.2	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°	36710.0	100.0
0°-180°	36710.0	100.0

**Coefficient of Utilization**



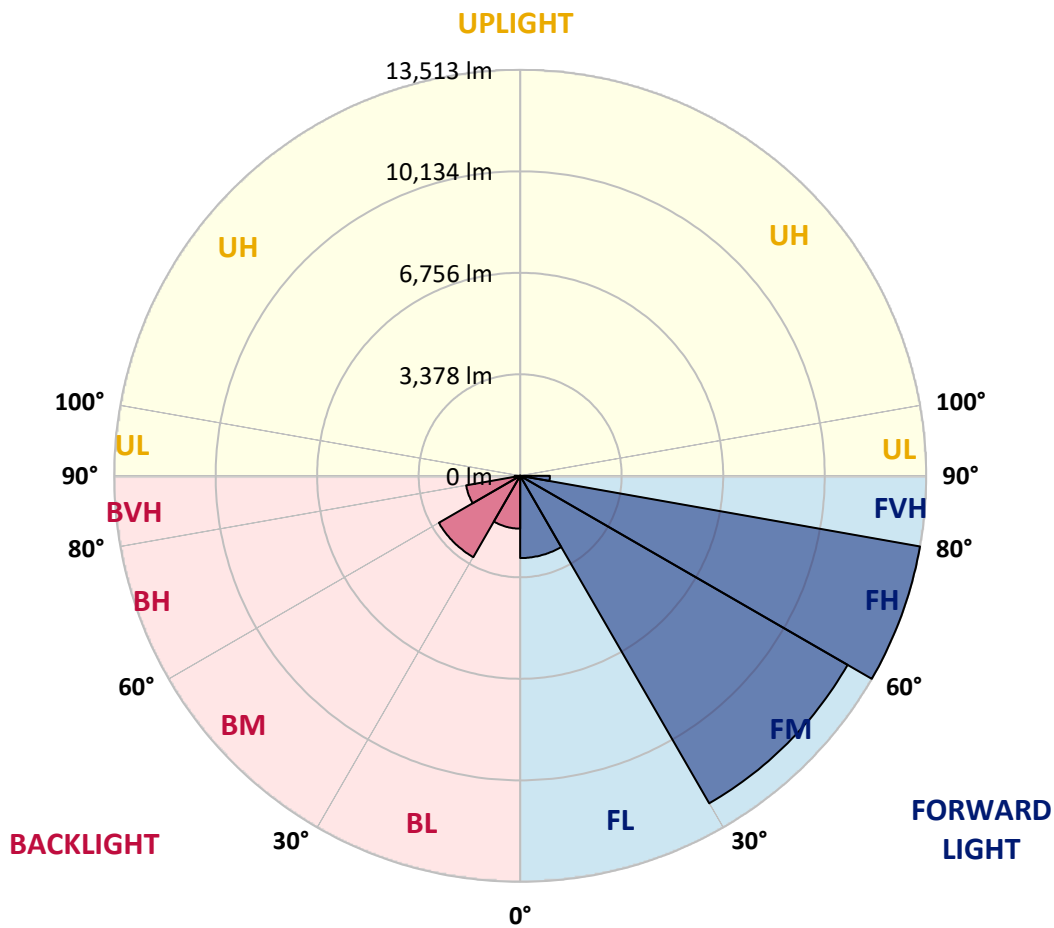
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2737.1	7.5			
FM (30°-60°)	12585.7	34.3			
FH (60°-80°)	13512.6	36.8			G5
FVH (80°-90°)	989.4	2.7			G5
BL (0°-30°)	1757.0	4.8	B3/2500		
BM (30°-60°)	3125.2	8.5	B3/5000		
BH (60°-80°)	1824.2	5.0	B3/2500		G3/2500
BVH (80°-90°)	178.8	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°	6738.0	6738.0	6738.0	6738.0	6738.0	6738.0	6738.0	6738.0	6738.0	6738.0
2.5°	6795.3	6771.6	6795.3	6785.4	6781.5	6773.6	6775.6	6789.4	6781.5	6791.4
5°	6749.9	6736.1	6759.8	6753.8	6779.5	6783.5	6809.1	6824.9	6834.8	6836.8
7.5°	6674.8	6661.0	6694.6	6722.2	6777.5	6793.3	6846.7	6872.3	6886.1	6909.8
10°	6400.3	6394.4	6477.4	6582.0	6712.4	6793.3	6874.3	6917.7	6939.5	7002.7
12.5°	5914.5	5922.4	6031.1	6232.5	6493.2	6753.8	6905.9	6969.1	7002.7	7081.7
15°	5450.5	5448.5	5567.0	5782.2	6147.6	6580.1	6921.7	7030.3	7087.6	7204.1
17.5°	5181.9	5174.0	5256.9	5420.8	5760.5	6313.5	6882.2	7063.9	7186.3	7332.5
20°	5132.5	5116.7	5160.2	5241.1	5482.1	6021.2	6779.5	7063.9	7265.3	7454.9
22.5°	5312.2	5286.6	5268.8	5258.9	5365.5	5780.3	6663.0	7040.2	7381.8	7630.7
25°	5673.6	5634.1	5543.3	5454.4	5422.8	5671.6	6560.3	7034.3	7555.6	7867.6
27.5°	6258.2	6208.8	6025.1	5811.9	5620.3	5726.9	6514.9	7069.8	7747.2	8118.4
30°	6982.9	6929.6	6698.5	6370.7	6027.1	5932.3	6572.2	7174.5	7992.0	8452.2
32.5°	7632.6	7573.4	7375.9	7042.2	6578.1	6287.8	6753.8	7373.9	8377.1	8916.2
35°	8209.3	8140.2	7962.4	7654.3	7253.5	6787.4	7081.7	7727.4	8924.1	9670.6
37.5°	8774.1	8693.1	8499.6	8173.7	7893.3	7452.9	7533.9	8181.6	9650.9	10586.9
40°	9406.0	9289.5	9054.5	8732.6	8460.1	8233.0	8128.3	8738.5	10389.5	11609.9
42.5°	10018.2	9907.6	9627.2	9352.7	9011.0	8945.9	8817.5	9390.2	11197.2	12733.6
45°	10677.8	10545.5	10205.8	9858.2	9643.0	9419.8	9485.0	10041.9	11989.0	13878.9
47.5°	11295.9	11147.8	10746.9	10359.8	10241.3	9818.7	10097.2	10758.7	12812.5	15040.1
50°	11629.6	11483.5	11149.8	10800.2	10707.4	10310.5	10760.7	11546.7	13675.5	16197.4
52.5°	11908.1	11750.1	11313.7	11120.1	11092.5	10845.6	11578.3	12447.2	14538.5	17220.3
55°	12204.3	12028.5	11471.6	11297.9	11424.3	11446.0	12547.9	13468.2	15450.9	18217.6
57.5°	12545.9	12322.8	11623.7	11448.0	11748.1	12149.0	13661.7	14526.7	16347.4	19141.8
60°	12867.8	12642.7	11916.0	11686.9	12097.7	12964.6	14939.4	15808.3	17362.5	19965.3
62.5°	12931.0	12745.4	12149.0	12147.0	12571.6	13916.5	16452.1	17101.8	18249.2	20778.9
65°	11837.0	11720.5	11367.0	12129.3	13250.9	15287.0	18136.6	18756.7	19376.8	21489.8
67.5°	9009.1	9024.9	8999.2	10470.4	12702.0	17255.9	20575.5	20528.1	20769.0	22287.7
70°	4119.4	4212.3	4816.6	7227.8	10176.2	17483.0	24608.1	23993.9	22516.7	23320.5
72.5°	2225.6	2296.7	2543.6	3501.3	6117.9	15543.7	27621.6	28058.0	24841.1	24015.6
75°	1633.2	1672.7	1844.5	2225.6	2569.2	11552.6	26541.4	28780.8	25131.4	22394.3
77.5°	1222.4	1240.2	1380.4	1763.5	1315.2	6090.3	21207.4	23835.9	21513.5	18399.3
80°	886.7	906.4	1011.1	1323.1	922.2	2227.6	14562.2	16730.6	14734.0	11728.4
82.5°	612.2	620.1	665.5	900.5	643.8	865.0	8262.6	9810.8	8225.1	4115.5
85°	369.3	379.2	398.9	525.3	365.3	410.8	3566.5	3688.9	2458.6	983.5
87.5°	152.1	161.9	177.7	221.2	144.2	114.5	588.5	738.6	460.1	288.3
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°
6738.0	0°	6738.0	6738.0	6738.0	6738.0	6738.0	6738.0	6738.0	6738.0	6738.0	6738.0
6757.8	2.5°	6747.9	6734.1	6696.6	6645.2	6597.8	6538.6	6512.9	6491.2	6471.4	6433.9
6811.1	5°	6789.4	6751.9	6651.1	6520.8	6372.7	6210.8	6052.8	5944.2	5851.4	5782.2
6872.3	7.5°	6852.6	6781.5	6597.8	6331.2	5991.6	5644.0	5330.0	5106.8	4939.0	4877.8
6959.2	10°	6917.7	6832.8	6512.9	6042.9	5456.4	4921.2	4504.5	4275.5	4141.2	4097.7
7061.9	12.5°	6994.8	6870.4	6380.6	5642.0	4858.0	4271.5	3908.1	3773.9	3704.7	3681.0
7188.3	15°	7107.3	6901.9	6181.1	5140.4	4287.3	3797.6	3562.6	3469.7	3434.2	3432.2
7318.6	17.5°	7192.2	6907.9	5871.1	4603.3	3848.9	3511.2	3317.7	3282.1	3305.8	3341.4
7447.0	20°	7287.0	6854.6	5464.3	4113.5	3540.8	3260.4	3179.4	3203.1	3260.4	3311.7
7616.8	22.5°	7354.2	6757.8	4972.6	3732.4	3274.2	3116.2	3112.3	3161.7	3193.3	3218.9
7816.3	25°	7413.4	6593.9	4451.2	3412.5	3055.0	3029.4	3072.8	3057.0	3035.3	3057.0
8015.7	27.5°	7456.9	6335.2	3985.2	3132.0	2901.0	2970.1	2944.4	2908.9	2906.9	2918.8
8250.7	30°	7443.0	5989.6	3602.0	2865.4	2792.4	2859.5	2798.3	2792.4	2786.5	2792.4
8604.2	32.5°	7443.0	5596.6	3307.8	2681.8	2723.3	2697.6	2691.7	2677.8	2654.1	2652.2
9084.1	35°	7484.5	5203.6	3055.0	2583.0	2666.0	2604.8	2608.7	2575.1	2525.8	2502.1
9720.0	37.5°	7569.4	4887.6	2804.2	2535.7	2565.3	2563.3	2547.5	2490.2	2403.3	2328.3
10513.9	40°	7774.8	4794.8	2632.4	2513.9	2517.9	2541.6	2500.1	2389.5	2192.0	2069.6
11319.6	42.5°	8096.7	4950.8	2594.9	2460.6	2486.3	2510.0	2429.0	2172.3	2032.1	1959.0
12164.8	45°	8505.5	5223.4	2675.9	2383.6	2411.2	2452.7	2211.8	2089.3	2026.2	2028.1
13002.1	47.5°	9022.9	5509.7	2825.9	2316.4	2302.6	2326.3	2067.6	1992.6	1905.7	1927.4
13805.9	50°	9621.3	5800.0	2968.1	2225.6	2182.2	2105.1	1974.8	1903.7	1793.1	1741.8
14582.0	52.5°	10269.0	6080.4	3025.4	2115.0	2051.8	1963.0	1911.6	1824.7	1690.4	1605.5
15314.6	55°	10883.2	6335.2	2962.2	1982.7	1921.5	1852.4	1844.5	1791.1	1647.0	1528.5
15966.3	57.5°	11463.7	6548.5	2804.2	1848.4	1789.2	1747.7	1801.0	1775.4	1593.7	1441.6
16582.4	60°	11955.5	6694.6	2575.1	1712.2	1670.7	1649.0	1729.9	1722.0	1518.6	1348.8
17135.4	62.5°	12346.5	6751.9	2322.4	1581.8	1571.9	1532.4	1631.2	1631.2	1423.8	1258.0
17621.2	65°	12652.6	6696.6	2065.6	1453.5	1473.2	1414.0	1510.7	1498.9	1323.1	1177.0
18180.1	67.5°	12923.1	6514.9	1781.3	1327.1	1372.5	1297.4	1384.3	1356.7	1212.5	1096.0
18663.9	70°	13043.6	6092.3	1457.4	1200.7	1256.0	1182.9	1258.0	1206.6	1088.1	1009.1
18132.7	72.5°	12075.9	5063.4	1147.4	1068.4	1115.8	1056.5	1121.7	1062.4	953.8	918.3
15658.2	75°	9990.5	3799.5	882.7	924.2	959.8	914.3	957.8	914.3	815.6	841.3
11566.4	77.5°	7255.4	2565.3	675.4	772.1	787.9	764.2	801.8	752.4	663.5	657.6
5764.5	80°	3608.0	1502.8	529.2	610.2	604.3	588.5	631.9	608.2	533.2	564.8
1556.1	82.5°	1044.7	643.8	385.1	428.5	416.7	420.6	452.2	464.1	695.1	689.2
483.8	85°	327.8	252.8	231.1	239.0	227.1	233.0	266.6	529.2	489.8	286.3
150.1	87.5°	84.9	86.9	57.3	61.2	63.2	75.0	84.9	321.9	154.0	100.7
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>
6738.0
6416.1
5725.0
4771.1
4030.6
3687.0
3440.1
3355.2
3329.5
3232.8
3070.8
2938.5
2814.1
2677.8
2525.8
2354.0
2085.4
1959.0
2038.0
1982.7
1755.6
1603.5
1528.5
1433.7
1342.9
1252.0
1169.1
1088.1
993.3
888.7
768.2
628.0
558.9
705.0
310.0
106.6
0.0

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