

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: P956871

Luminaire Tested: **GALN-SB9B-927-U-SL3**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P956871  
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-SB9B-927-U-SL3  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(9) 90 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

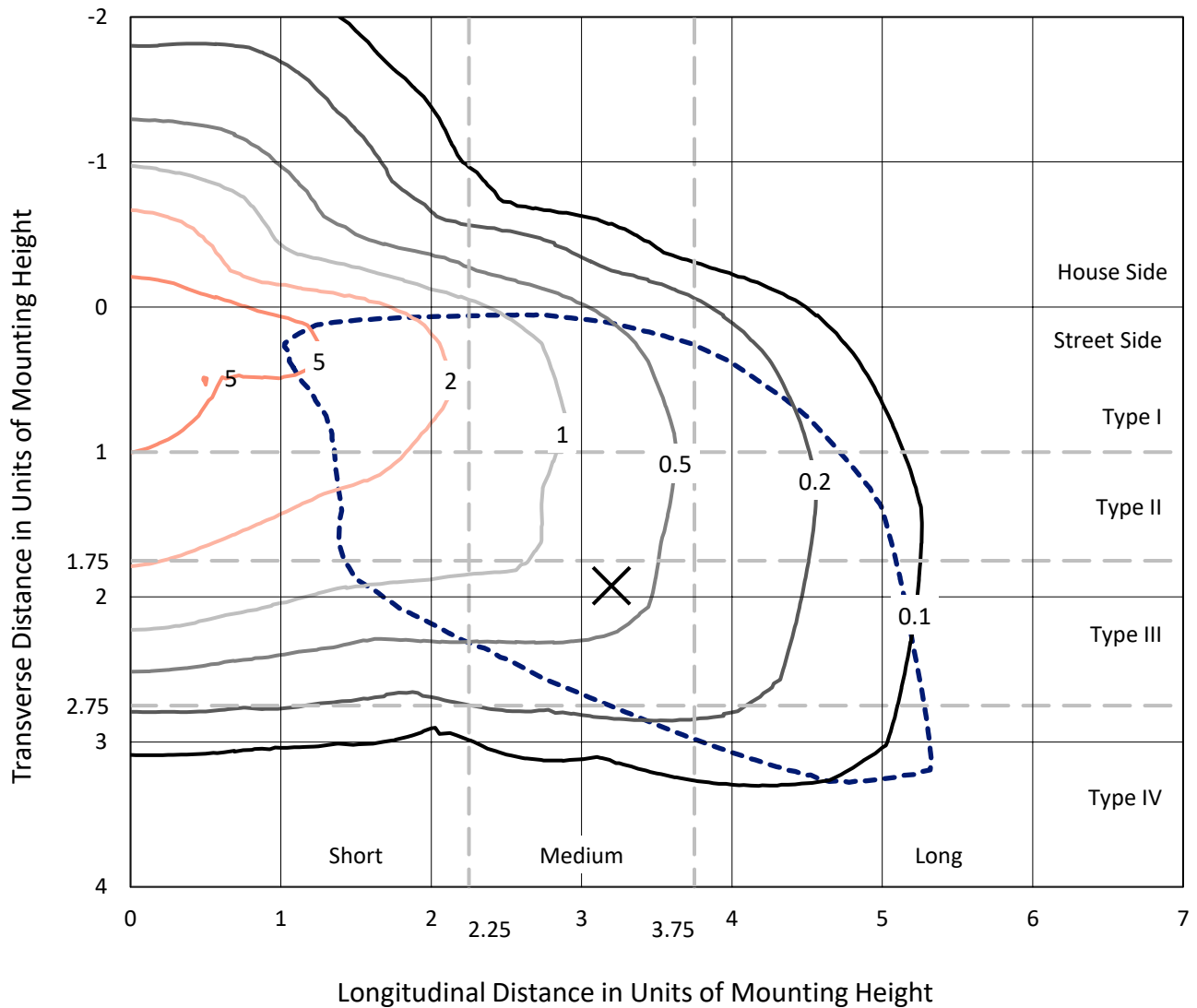
Lumens per Lamp: N/A  
Luminaire Lumens: 30512 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 329.5  
Input Voltage (V): NR  
Input Current (Ain): 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

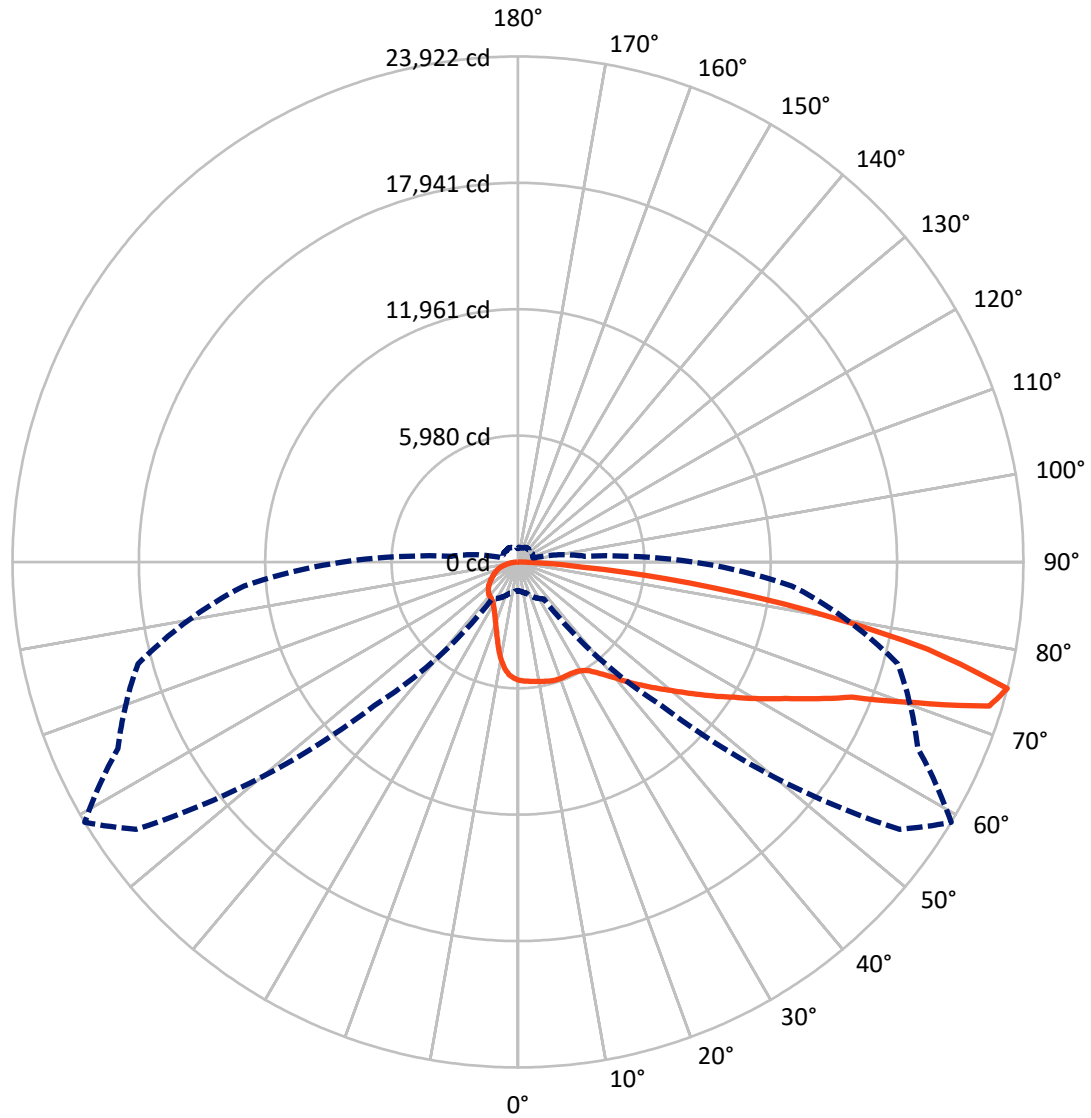
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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	5722.7	0.0	5722.7
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	24789.3	0.0	24789.3
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	30512.0	0.0	30512.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	502.2	1.6
10°-20°	1283.6	4.2
20°-30°	1949.6	6.4
30°-40°	2898.1	9.5
40°-50°	4310.0	14.1
50°-60°	5850.3	19.2
60°-70°	7142.2	23.4
70°-80°	5605.1	18.4
80°-90°	970.9	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°	30512.0	100.0
0°-180°	30512.0	100.0



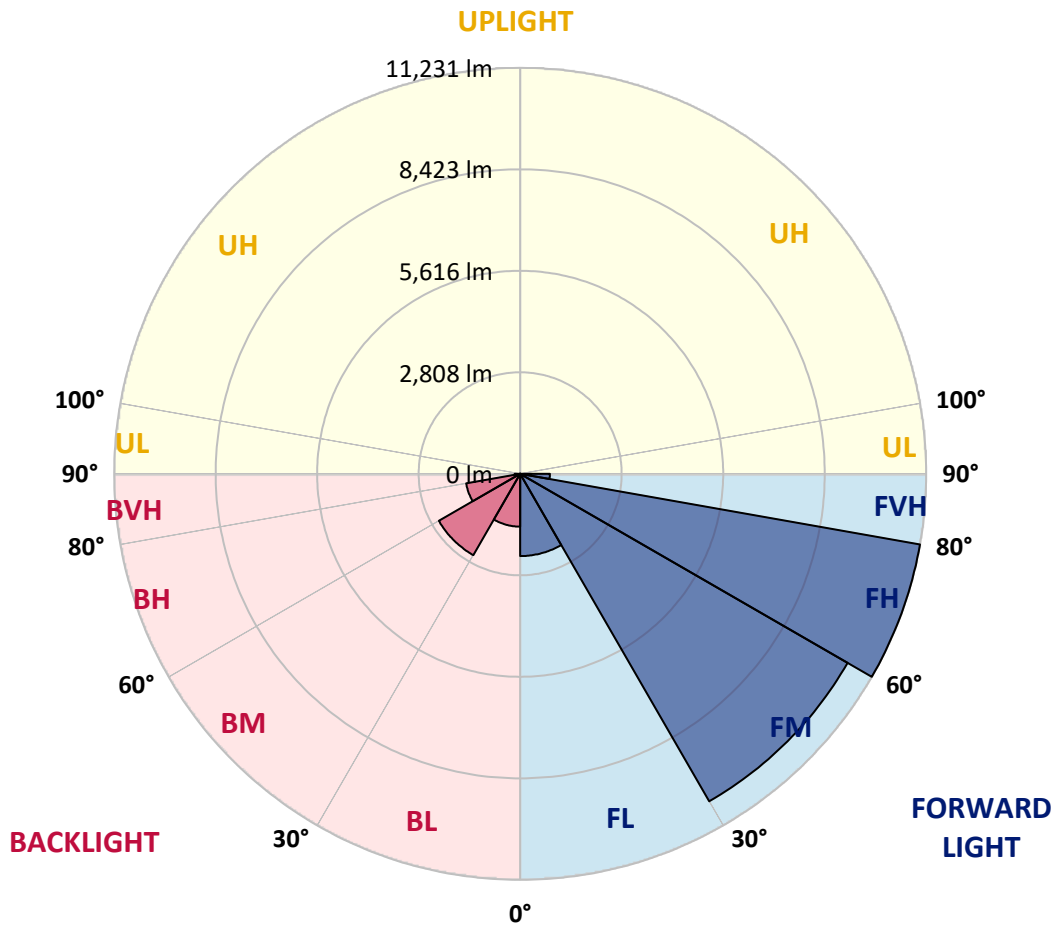
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2275.0	7.5			
FM (30°-60°)	10460.8	34.3			
FH (60°-80°)	11231.2	36.8			G4/12000
FVH (80°-90°)	822.3	2.7			G5
BL (0°-30°)	1460.4	4.8	B3/2500		
BM (30°-60°)	2597.6	8.5	B3/5000		
BH (60°-80°)	1516.2	5.0	B3/2500		G3/2500
BVH (80°-90°)	148.6	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°	5600.4	5600.4	5600.4	5600.4	5600.4	5600.4	5600.4	5600.4	5600.4	5600.4
2.5°	5648.0	5628.3	5648.0	5639.8	5636.5	5630.0	5631.6	5643.1	5636.5	5644.7
5°	5610.3	5598.8	5618.5	5613.5	5634.9	5638.2	5659.5	5672.6	5680.8	5682.5
7.5°	5547.9	5536.4	5564.3	5587.3	5633.2	5646.4	5690.7	5712.0	5723.5	5743.2
10°	5319.7	5314.8	5383.7	5470.7	5579.1	5646.4	5713.7	5749.8	5767.8	5820.4
12.5°	4916.0	4922.5	5012.8	5180.2	5396.9	5613.5	5739.9	5792.5	5820.4	5886.0
15°	4530.2	4528.6	4627.1	4806.0	5109.6	5469.1	5753.1	5843.3	5890.9	5987.8
17.5°	4307.0	4300.4	4369.4	4505.6	4787.9	5247.5	5720.2	5871.2	5973.0	6094.5
20°	4266.0	4252.8	4288.9	4356.2	4556.5	5004.6	5634.9	5871.2	6038.7	6196.2
22.5°	4415.3	4394.0	4379.2	4371.0	4459.6	4804.3	5538.0	5851.5	6135.5	6342.3
25°	4715.7	4682.9	4607.4	4533.5	4507.2	4714.1	5452.7	5846.6	6279.9	6539.3
27.5°	5201.6	5160.5	5007.9	4830.6	4671.4	4760.0	5414.9	5876.2	6439.2	6747.7
30°	5803.9	5759.6	5567.6	5295.1	5009.5	4930.7	5462.5	5963.2	6642.7	7025.1
32.5°	6344.0	6294.7	6130.6	5853.2	5467.5	5226.2	5613.5	6128.9	6962.8	7410.9
35°	6823.2	6765.8	6618.1	6362.0	6028.8	5641.4	5886.0	6422.7	7417.4	8037.9
37.5°	7292.7	7225.4	7064.5	6793.7	6560.6	6194.6	6261.9	6800.3	8021.5	8799.5
40°	7817.9	7721.1	7525.8	7258.2	7031.7	6842.9	6755.9	7263.1	8635.3	9649.7
42.5°	8326.8	8234.8	8001.8	7773.6	7489.6	7435.5	7328.8	7804.8	9306.7	10583.7
45°	8875.0	8765.0	8482.7	8193.8	8014.9	7829.4	7883.6	8346.4	9964.9	11535.7
47.5°	9388.7	9265.6	8932.4	8610.7	8512.2	8161.0	8392.4	8942.3	10649.3	12500.8
50°	9666.1	9544.7	9267.3	8976.7	8899.6	8569.7	8943.9	9597.2	11366.6	13462.6
52.5°	9897.6	9766.2	9403.5	9242.6	9219.7	9014.5	9623.4	10345.7	12083.9	14312.9
55°	10143.8	9997.7	9534.8	9390.4	9495.4	9513.5	10429.4	11194.3	12842.2	15141.8
57.5°	10427.7	10242.2	9661.2	9515.1	9764.6	10097.8	11355.1	12074.0	13587.4	15910.0
60°	10695.3	10508.2	9904.1	9713.7	10055.1	10775.7	12417.1	13139.3	14431.1	16594.4
62.5°	10747.8	10593.5	10097.8	10096.2	10449.1	11566.8	13674.4	14214.4	15168.0	17270.7
65°	9838.5	9741.6	9447.8	10081.4	11013.7	12706.0	15074.5	15589.9	16105.3	17861.6
67.5°	7488.0	7501.1	7479.8	8702.6	10557.4	14342.4	17101.6	17062.2	17262.5	18524.7
70°	3423.9	3501.1	4003.3	6007.5	8458.1	14531.2	20453.3	19942.8	18715.1	19383.1
72.5°	1849.8	1908.9	2114.1	2910.2	5085.0	12919.4	22958.1	23320.8	20647.0	19960.9
75°	1357.4	1390.3	1533.1	1849.8	2135.4	9602.1	22060.2	23921.6	20888.3	18613.3
77.5°	1016.0	1030.8	1147.3	1465.8	1093.2	5062.0	17626.8	19811.5	17881.3	15292.8
80°	737.0	753.4	840.4	1099.7	766.5	1851.5	12103.6	13905.8	12246.4	9748.2
82.5°	508.8	515.4	553.1	748.5	535.1	718.9	6867.6	8154.4	6836.4	3420.6
85°	306.9	315.1	331.6	436.6	303.7	341.4	2964.3	3066.1	2043.5	817.4
87.5°	126.4	134.6	147.7	183.8	119.8	95.2	489.1	613.9	382.4	239.6
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°
5600.4	0°	5600.4	5600.4	5600.4	5600.4	5600.4	5600.4	5600.4	5600.4	5600.4	5600.4
5616.8	2.5°	5608.6	5597.1	5565.9	5523.3	5483.9	5434.6	5413.3	5395.2	5378.8	5347.6
5661.1	5°	5643.1	5611.9	5528.2	5419.9	5296.8	5162.2	5030.8	4940.6	4863.4	4806.0
5712.0	7.5°	5695.6	5636.5	5483.9	5262.3	4980.0	4691.1	4430.1	4244.6	4105.1	4054.2
5784.2	10°	5749.8	5679.2	5413.3	5022.6	4535.1	4090.3	3744.0	3553.6	3442.0	3405.9
5869.6	12.5°	5813.8	5710.4	5303.3	4689.4	4037.8	3550.3	3248.3	3136.7	3079.2	3059.5
5974.6	15°	5907.3	5736.6	5137.5	4272.5	3563.4	3156.4	2961.1	2883.9	2854.4	2852.7
6083.0	17.5°	5977.9	5741.6	4879.8	3826.1	3199.1	2918.4	2757.5	2728.0	2747.7	2777.2
6189.7	20°	6056.7	5697.3	4541.7	3419.0	2943.0	2709.9	2642.6	2662.3	2709.9	2752.6
6330.8	22.5°	6112.5	5616.8	4133.0	3102.2	2721.4	2590.1	2586.8	2627.9	2654.1	2675.5
6496.6	25°	6161.8	5480.6	3699.7	2836.3	2539.2	2517.9	2554.0	2540.9	2522.8	2540.9
6662.4	27.5°	6197.9	5265.6	3312.3	2603.2	2411.2	2468.6	2447.3	2417.8	2416.1	2426.0
6857.7	30°	6186.4	4978.3	2993.9	2381.7	2320.9	2376.7	2325.8	2320.9	2316.0	2320.9
7151.5	32.5°	6186.4	4651.7	2749.3	2229.0	2263.5	2242.1	2237.2	2225.7	2206.0	2204.4
7550.4	35°	6220.9	4325.1	2539.2	2146.9	2215.9	2165.0	2168.3	2140.4	2099.3	2079.6
8078.9	37.5°	6291.4	4062.4	2330.8	2107.5	2132.2	2130.5	2117.4	2069.8	1997.6	1935.2
8738.7	40°	6462.1	3985.3	2188.0	2089.5	2092.8	2112.5	2078.0	1986.1	1821.9	1720.2
9408.4	42.5°	6729.7	4115.0	2156.8	2045.2	2066.5	2086.2	2018.9	1805.5	1689.0	1628.3
10110.9	45°	7069.5	4341.5	2224.1	1981.2	2004.1	2038.6	1838.4	1736.6	1684.1	1685.7
10806.9	47.5°	7499.5	4579.5	2348.8	1925.3	1913.9	1933.6	1718.5	1656.2	1583.9	1602.0
11474.9	50°	7996.8	4820.8	2467.0	1849.8	1813.7	1749.7	1641.4	1582.3	1490.4	1447.7
12120.0	52.5°	8535.2	5053.8	2514.6	1757.9	1705.4	1631.5	1588.9	1516.6	1405.0	1334.4
12728.9	55°	9045.7	5265.6	2462.1	1648.0	1597.1	1539.6	1533.1	1488.7	1368.9	1270.4
13270.6	57.5°	9528.2	5442.8	2330.8	1536.3	1487.1	1452.6	1496.9	1475.6	1324.6	1198.2
13782.7	60°	9937.0	5564.3	2140.4	1423.1	1388.6	1370.6	1437.9	1431.3	1262.2	1121.1
14242.3	62.5°	10261.9	5611.9	1930.3	1314.8	1306.5	1273.7	1355.8	1355.8	1183.4	1045.6
14646.1	65°	10516.4	5565.9	1716.9	1208.1	1224.5	1175.2	1255.7	1245.8	1099.7	978.3
15110.6	67.5°	10741.2	5414.9	1480.5	1103.0	1140.8	1078.4	1150.6	1127.6	1007.8	911.0
15512.7	70°	10841.4	5063.7	1211.3	998.0	1043.9	983.2	1045.6	1002.9	904.4	838.7
15071.2	72.5°	10037.1	4208.5	953.6	888.0	927.4	878.1	932.3	883.1	792.8	763.2
13014.6	75°	8303.8	3158.0	733.7	768.2	797.7	760.0	796.1	760.0	677.9	699.2
9613.6	77.5°	6030.5	2132.2	561.4	641.8	654.9	635.2	666.4	625.4	551.5	546.6
4791.2	80°	2998.8	1249.1	439.9	507.2	502.3	489.1	525.2	505.5	443.2	469.4
1293.4	82.5°	868.3	535.1	320.1	356.2	346.3	349.6	375.9	385.7	577.8	572.8
402.1	85°	272.5	210.1	192.0	198.6	188.8	193.7	221.6	439.9	407.1	238.0
124.7	87.5°	70.6	72.2	47.6	50.9	52.5	62.4	70.6	267.5	128.0	83.7
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>
5600.4
5332.9
4758.4
3965.6
3350.1
3064.5
2859.3
2788.7
2767.4
2686.9
2552.4
2442.4
2339.0
2225.7
2099.3
1956.5
1733.3
1628.3
1693.9
1648.0
1459.2
1332.8
1270.4
1191.6
1116.1
1040.6
971.7
904.4
825.6
738.6
638.5
522.0
464.5
586.0
257.7
88.6
0.0

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