

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: P956913

Luminaire Tested: **GALN-SB9B-935-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956913
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-935-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 90 CRI, 3500K, 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: 34871 lumens
Efficiency: N/A
Efficacy: 105.8 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

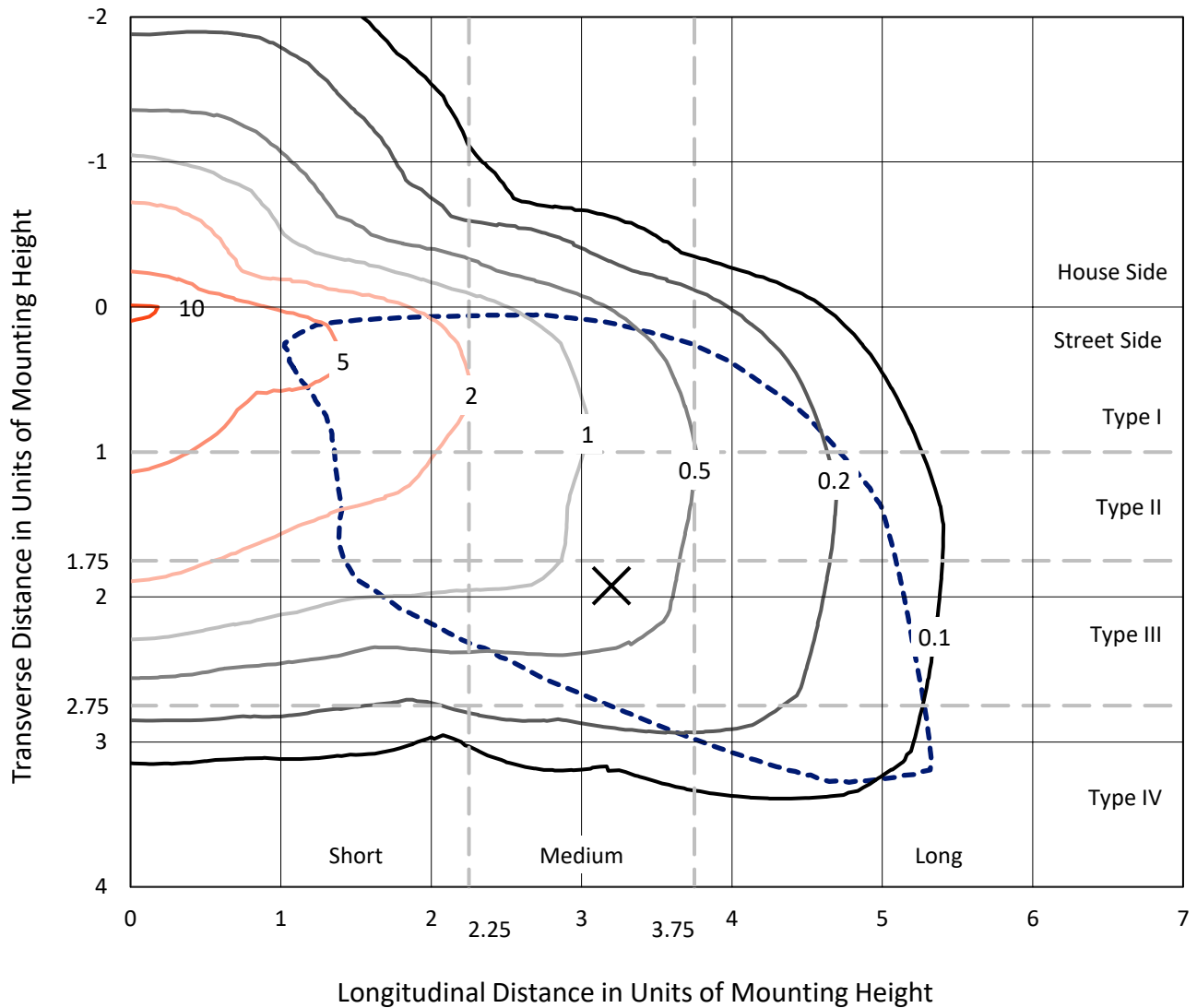
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

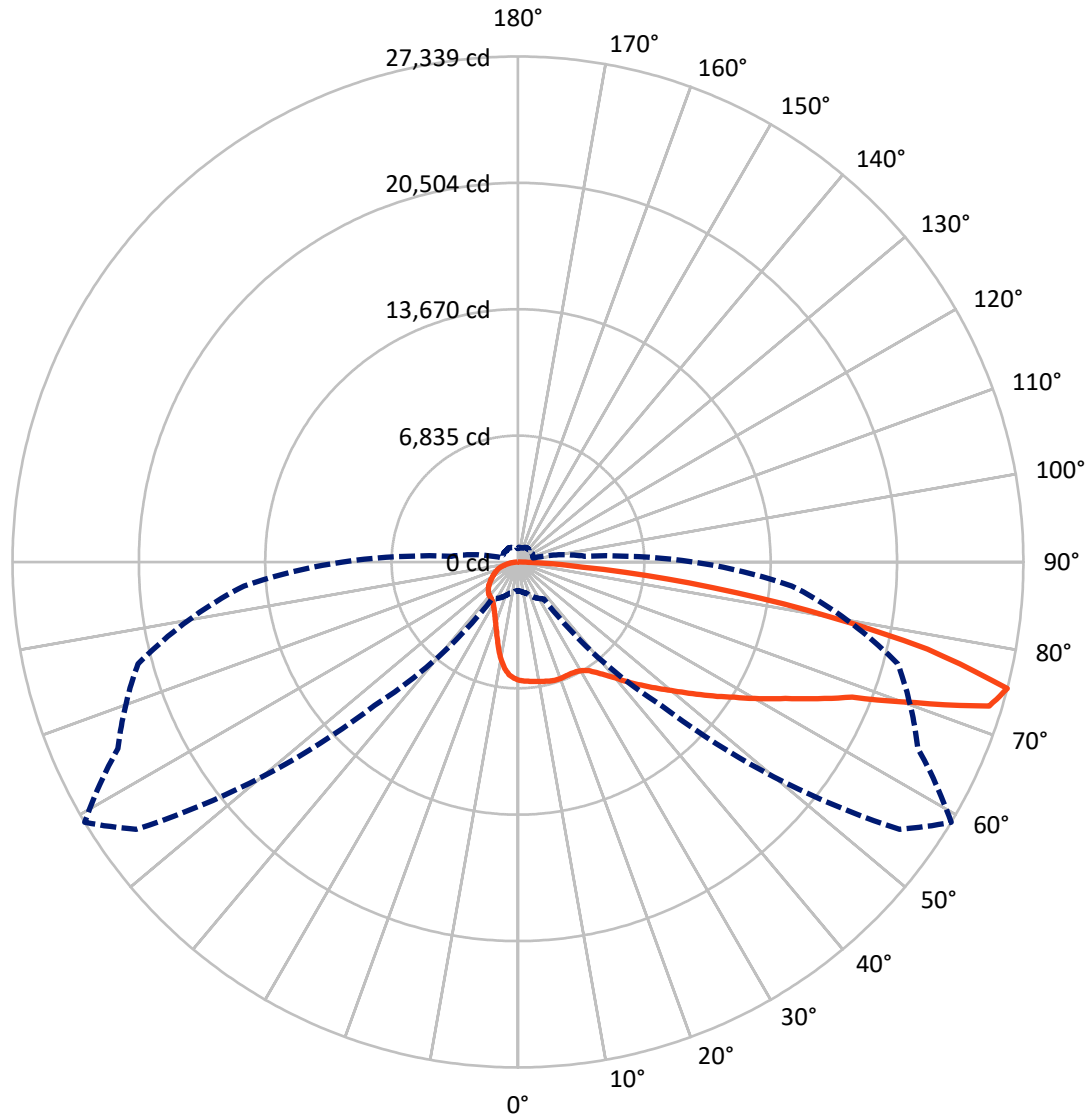
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 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
House Side	Lumens	6540.3	0.0	6540.3
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	28330.7	0.0	28330.7
	% Fixture	81.2	0.0	81.2
Total	Lumens	34871.0	0.0	34871.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	573.9	1.6
10°-20°	1466.9	4.2
20°-30°	2228.2	6.4
30°-40°	3312.1	9.5
40°-50°	4925.7	14.1
50°-60°	6686.1	19.2
60°-70°	8162.6	23.4
70°-80°	6405.9	18.4
80°-90°	1109.7	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°	34871.0	100.0
0°-180°	34871.0	100.0

Coefficient of Utilization



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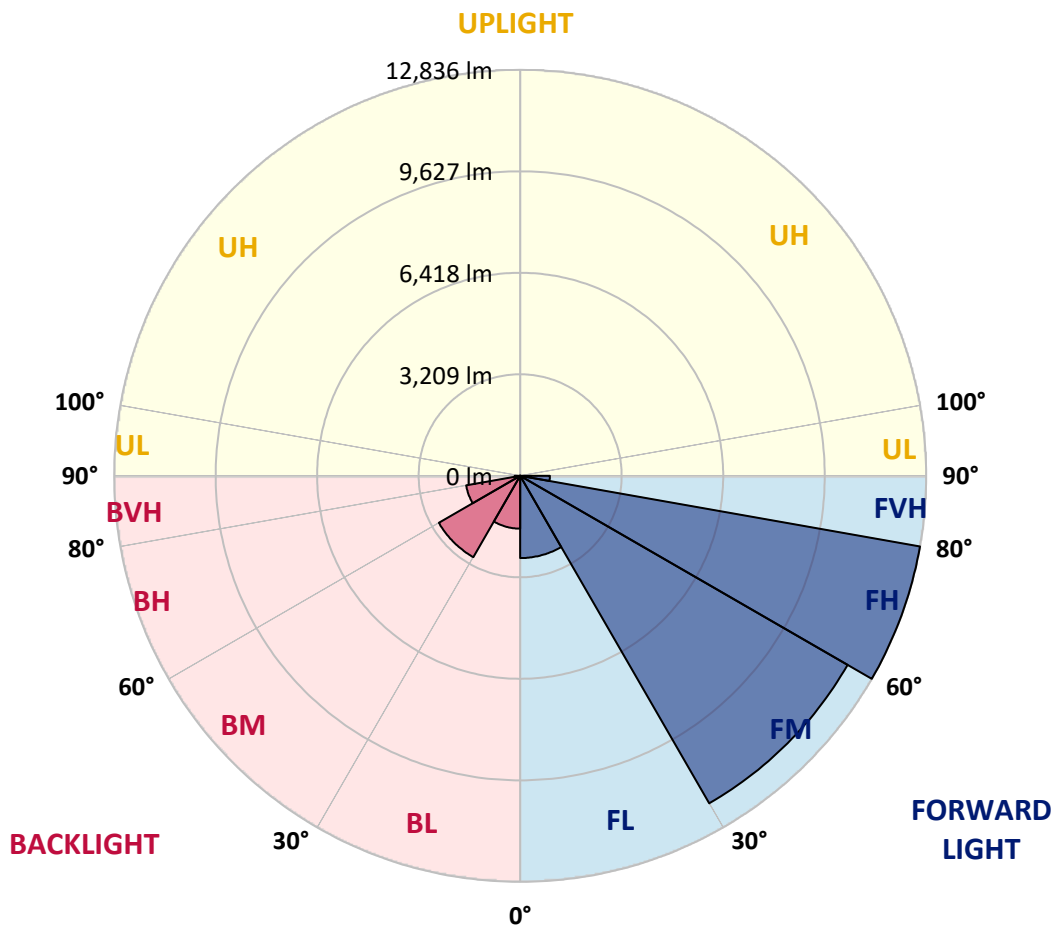
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2600.0	7.5			
FM (30°-60°)	11955.2	34.3			
FH (60°-80°)	12835.7	36.8			G5
FVH (80°-90°)	939.8	2.7			G5
BL (0°-30°)	1669.0	4.8	B3/2500		
BM (30°-60°)	2968.6	8.5	B3/5000		
BH (60°-80°)	1732.8	5.0	B3/2500		G3/2500
BVH (80°-90°)	169.9	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°	6400.5	6400.5	6400.5	6400.5	6400.5	6400.5	6400.5	6400.5	6400.5	6400.5
2.5°	6454.9	6432.4	6454.9	6445.5	6441.8	6434.3	6436.1	6449.3	6441.8	6451.1
5°	6411.7	6398.6	6421.1	6415.5	6439.9	6443.6	6468.0	6483.0	6492.4	6494.3
7.5°	6340.5	6327.3	6359.2	6385.5	6438.0	6453.0	6503.7	6528.1	6541.2	6563.7
10°	6079.7	6074.1	6152.9	6252.3	6376.1	6453.0	6529.9	6571.2	6591.8	6651.9
12.5°	5618.3	5625.8	5728.9	5920.3	6167.9	6415.5	6559.9	6620.0	6651.9	6726.9
15°	5177.4	5175.5	5288.1	5492.6	5839.6	6250.4	6575.0	6678.1	6732.5	6843.2
17.5°	4922.3	4914.8	4993.6	5149.3	5471.9	5997.2	6537.4	6710.0	6826.3	6965.1
20°	4875.4	4860.4	4901.7	4978.6	5207.4	5719.6	6439.9	6710.0	6901.4	7081.4
22.5°	5046.1	5021.7	5004.8	4995.5	5096.8	5490.7	6329.2	6687.5	7012.0	7248.4
25°	5389.4	5351.9	5265.6	5181.2	5151.2	5387.5	6231.7	6681.9	7177.1	7473.5
27.5°	5944.7	5897.8	5723.3	5520.7	5338.7	5440.0	6188.5	6715.6	7359.1	7711.7
30°	6633.1	6582.5	6363.0	6051.6	5725.2	5635.1	6242.9	6815.1	7591.7	8028.8
32.5°	7250.3	7194.0	7006.4	6689.4	6248.5	5972.8	6415.5	7004.5	7957.5	8469.6
35°	7798.0	7732.4	7563.5	7270.9	6890.1	6447.4	6726.9	7340.3	8477.1	9186.2
37.5°	8334.5	8257.6	8073.8	7764.3	7497.9	7079.6	7156.5	7771.8	9167.4	10056.6
40°	8934.8	8824.1	8600.9	8295.1	8036.3	7820.5	7721.1	8300.8	9869.0	11028.3
42.5°	9516.3	9411.3	9144.9	8884.2	8559.6	8497.7	8375.8	8919.8	10636.2	12095.7
45°	10142.9	10017.2	9694.5	9364.4	9159.9	8947.9	9009.8	9538.8	11388.5	13183.7
47.5°	10730.0	10589.3	10208.5	9840.9	9728.3	9326.9	9591.4	10219.8	12170.7	14286.7
50°	11047.0	10908.2	10591.2	10259.2	10171.0	9794.0	10221.7	10968.3	12990.5	15385.9
52.5°	11311.5	11161.5	10746.9	10563.1	10536.8	10302.3	10998.3	11823.7	13810.2	16357.7
55°	11592.9	11426.0	10897.0	10731.9	10852.0	10872.6	11919.3	12793.5	14676.9	17305.0
57.5°	11917.5	11705.5	11041.4	10874.5	11159.6	11540.4	12977.3	13799.0	15528.5	18182.9
60°	12223.2	12009.4	11319.0	11101.4	11491.6	12315.1	14191.0	15016.4	16492.7	18965.1
62.5°	12283.2	12106.9	11540.4	11538.5	11941.8	13219.3	15627.9	16245.1	17335.0	19738.0
65°	11244.0	11133.3	10797.6	11521.6	12587.1	14521.2	17228.1	17817.1	18406.1	20413.3
67.5°	8557.8	8572.8	8548.4	9945.9	12065.6	16391.4	19544.8	19499.7	19728.6	21171.2
70°	3913.1	4001.2	4575.3	6865.7	9666.4	16607.1	23375.3	22791.9	21388.8	22152.2
72.5°	2114.1	2181.6	2416.1	3325.9	5811.5	14765.0	26237.9	26652.5	23596.7	22812.5
75°	1551.4	1588.9	1752.1	2114.1	2440.5	10973.9	25211.8	27339.0	23872.4	21272.5
77.5°	1161.2	1178.1	1311.2	1675.2	1249.3	5785.2	20145.0	22641.8	20435.8	17477.6
80°	842.3	861.0	960.4	1256.8	876.0	2116.0	13832.7	15892.4	13995.9	11140.8
82.5°	581.5	589.0	632.2	855.4	611.5	821.6	7848.7	9319.4	7813.0	3909.3
85°	350.8	360.2	378.9	499.0	347.0	390.2	3387.8	3504.1	2335.5	934.2
87.5°	144.4	153.8	168.8	210.1	136.9	108.8	559.0	701.6	437.1	273.9
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°
6400.5	0°	6400.5	6400.5	6400.5	6400.5	6400.5	6400.5	6400.5	6400.5	6400.5	6400.5
6419.3	2.5°	6409.9	6396.7	6361.1	6312.3	6267.3	6211.0	6186.6	6166.0	6147.3	6111.6
6469.9	5°	6449.3	6413.6	6318.0	6194.1	6053.5	5899.6	5749.6	5646.4	5558.2	5492.6
6528.1	7.5°	6509.3	6441.8	6267.3	6014.1	5691.4	5361.3	5063.0	4851.0	4691.6	4633.4
6610.6	10°	6571.2	6490.5	6186.6	5740.2	5183.0	4674.7	4278.9	4061.3	3933.7	3892.4
6708.1	12.5°	6644.4	6526.2	6061.0	5359.4	4614.7	4057.5	3712.4	3584.8	3519.1	3496.6
6828.2	15°	6751.3	6556.2	5871.5	4882.9	4072.5	3607.3	3384.1	3295.9	3262.2	3260.3
6952.0	17.5°	6831.9	6561.8	5577.0	4372.7	3656.1	3335.3	3151.5	3117.7	3140.2	3174.0
7073.9	20°	6922.0	6511.2	5190.6	3907.5	3363.4	3097.1	3020.2	3042.7	3097.1	3145.8
7235.3	22.5°	6985.8	6419.3	4723.5	3545.4	3110.2	2960.1	2956.4	3003.3	3033.3	3057.7
7424.7	25°	7042.0	6263.6	4228.2	3241.5	2902.0	2877.6	2918.9	2903.9	2883.2	2903.9
7614.2	27.5°	7083.3	6017.8	3785.5	2975.1	2755.7	2821.3	2796.9	2763.2	2761.3	2772.5
7837.4	30°	7070.2	5689.5	3421.6	2721.9	2652.5	2716.3	2658.1	2652.5	2646.9	2652.5
8173.2	32.5°	7070.2	5316.2	3142.1	2547.4	2586.8	2562.4	2556.8	2543.7	2521.2	2519.3
8629.0	35°	7109.6	4942.9	2902.0	2453.6	2532.4	2474.3	2478.0	2446.1	2399.2	2376.7
9233.1	37.5°	7190.2	4642.8	2663.7	2408.6	2436.8	2434.9	2419.9	2365.5	2282.9	2211.7
9987.2	40°	7385.3	4554.6	2500.5	2388.0	2391.7	2414.3	2374.9	2269.8	2082.2	1965.9
10752.5	42.5°	7691.1	4702.8	2464.9	2337.3	2361.7	2384.2	2307.3	2063.5	1930.3	1860.9
11555.4	45°	8079.4	4961.7	2541.8	2264.2	2290.4	2329.8	2101.0	1984.7	1924.7	1926.5
12350.8	47.5°	8570.9	5233.7	2684.4	2200.4	2187.3	2209.8	1964.0	1892.8	1810.2	1830.9
13114.3	50°	9139.3	5509.5	2819.4	2114.1	2072.8	1999.7	1875.9	1808.3	1703.3	1654.5
13851.5	52.5°	9754.6	5775.8	2873.8	2009.1	1949.0	1864.6	1815.8	1733.3	1605.8	1525.1
14547.4	55°	10338.0	6017.8	2813.8	1883.4	1825.2	1759.6	1752.1	1701.4	1564.5	1451.9
15166.5	57.5°	10889.5	6220.4	2663.7	1755.8	1699.5	1660.2	1710.8	1686.4	1513.8	1369.4
15751.7	60°	11356.6	6359.2	2446.1	1626.4	1587.0	1566.4	1643.3	1635.8	1442.5	1281.2
16277.0	62.5°	11728.0	6413.6	2206.0	1502.6	1493.2	1455.7	1549.5	1549.5	1352.5	1194.9
16738.5	65°	12018.7	6361.1	1962.2	1380.6	1399.4	1343.1	1435.0	1423.8	1256.8	1118.0
17269.3	67.5°	12275.7	6188.5	1692.0	1260.6	1303.7	1232.5	1315.0	1288.7	1151.8	1041.1
17728.9	70°	12390.2	5787.1	1384.4	1140.5	1193.1	1123.7	1194.9	1146.2	1033.6	958.6
17224.3	72.5°	11471.0	4809.8	1089.9	1014.8	1059.9	1003.6	1065.5	1009.2	906.0	872.3
14873.8	75°	9490.1	3609.2	838.5	877.9	911.7	868.5	909.8	868.5	774.7	799.1
10987.0	77.5°	6892.0	2436.8	641.6	733.5	748.5	726.0	761.6	714.7	630.3	624.7
5475.7	80°	3427.2	1427.5	502.7	579.6	574.0	559.0	600.3	577.8	506.5	536.5
1478.2	82.5°	992.3	611.5	365.8	407.1	395.8	399.6	429.6	440.8	660.3	654.7
459.6	85°	311.4	240.1	219.5	227.0	215.7	221.4	253.2	502.7	465.2	272.0
142.6	87.5°	80.7	82.5	54.4	58.2	60.0	71.3	80.7	305.8	146.3	95.7
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>
6400.5
6094.7
5438.2
4532.1
3828.7
3502.3
3267.8
3187.1
3162.7
3070.8
2917.0
2791.3
2673.1
2543.7
2399.2
2236.0
1980.9
1860.9
1935.9
1883.4
1667.7
1523.2
1451.9
1361.9
1275.6
1189.3
1110.5
1033.6
943.6
844.1
729.7
596.5
530.9
669.7
294.5
101.3
0.0

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