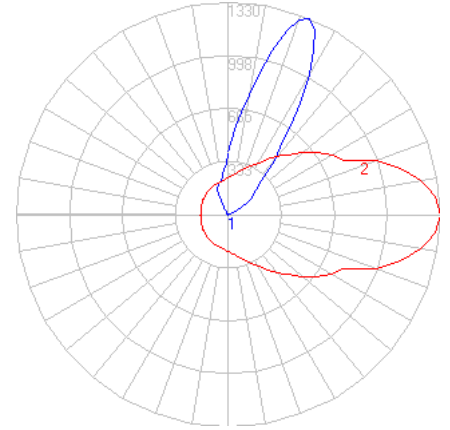


# BEGA

File: 84087K4\_BEGA\_IES.ies

TEST: L012113202  
TEST LAB: LIGHT LABORATORY, INC.  
DATE: 02/02/2021  
LUMINAIRE: 84 087K4  
LAMP: 4.2W LED

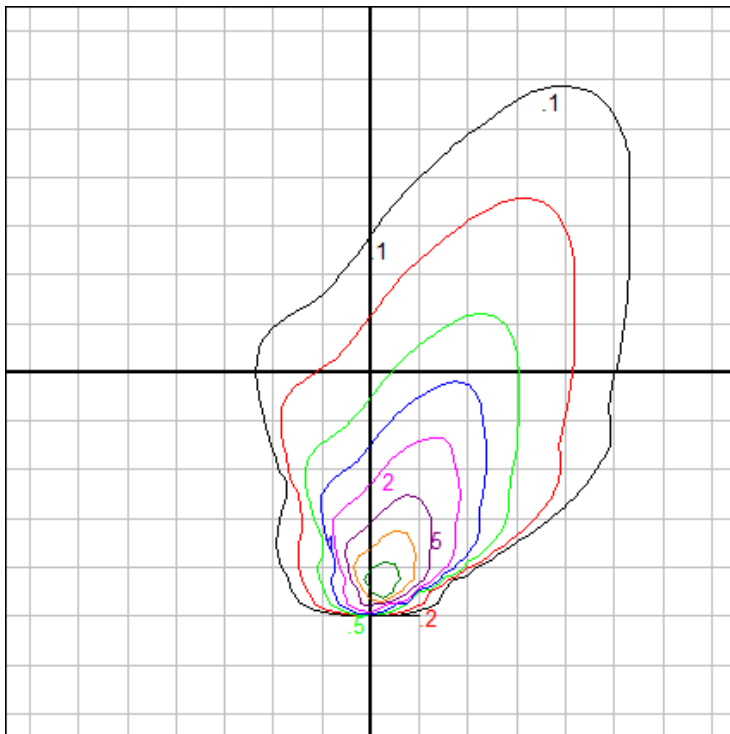


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 5 H x 5 V       |
| Maximum Candela              | 1330.45         |
| Maximum Candela Angle        | 0 H 22.5 V      |
| Horizontal Beam Angle (50%)  | 26.4            |
| Vertical Beam Angle (50%)    | 27.5            |
| Horizontal Field Angle (10%) | 86.3            |
| Vertical Field Angle (10%)   | 83.5            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 149             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 544             |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 79              |
| Luminaire Lumens             | 623             |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 5.36            |
| Ballast Factor               | 1.00            |

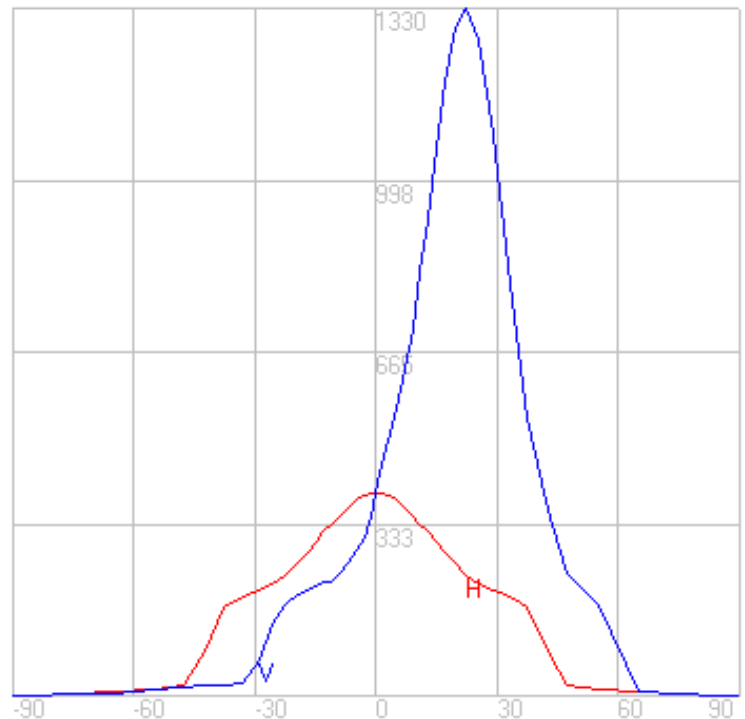
## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 0.00   |
| 10-20   | 0.00   |
| 20-30   | 0.00   |
| 30-40   | 0.00   |
| 40-50   | 0.00   |
| 50-60   | 0.00   |
| 60-70   | 0.00   |
| 70-80   | 0.00   |
| 80-90   | 0.00   |
| 90-100  | 1.93   |
| 100-110 | 4.27   |
| 110-120 | 11.30  |
| 120-130 | 44.20  |
| 130-140 | 85.90  |
| 140-150 | 137.77 |
| 150-160 | 174.36 |
| 160-170 | 123.29 |
| 170-180 | 38.58  |



Set Back: 1 ft.

Grid Spacing: 2 ft.



In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

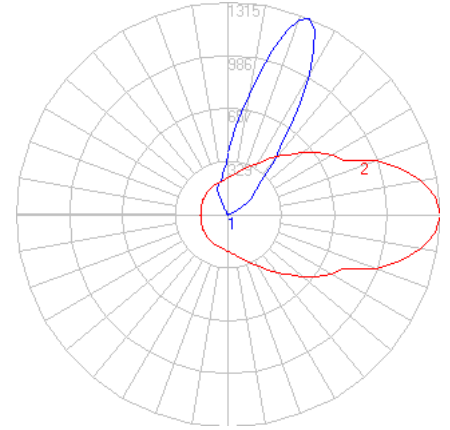
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# BEGA

File: 84087K35\_BEGA\_IES.ies

TEST: L012113201  
TEST LAB: LIGHT LABORATORY, INC.  
DATE: 02/02/2021  
LUMINAIRE: 84 087K35  
LAMP: 4.2W LED

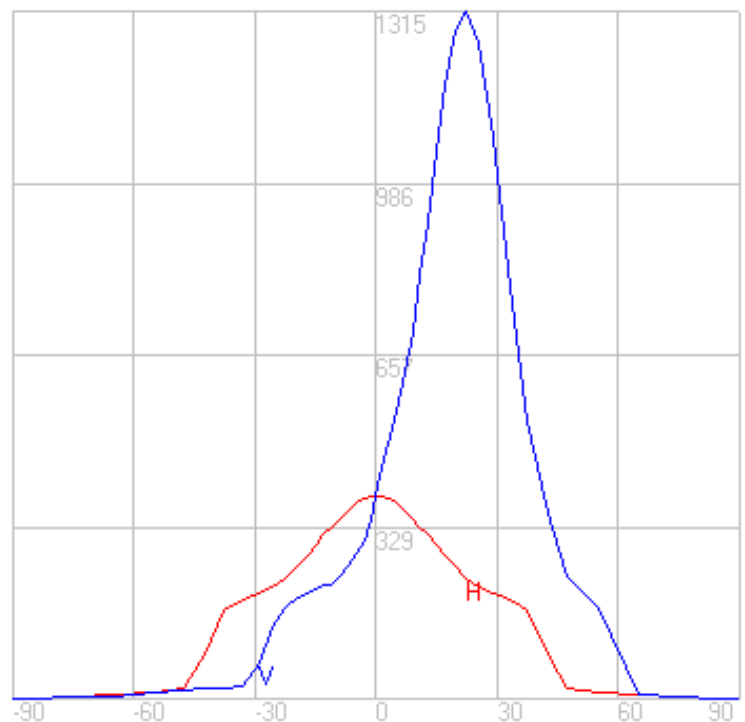
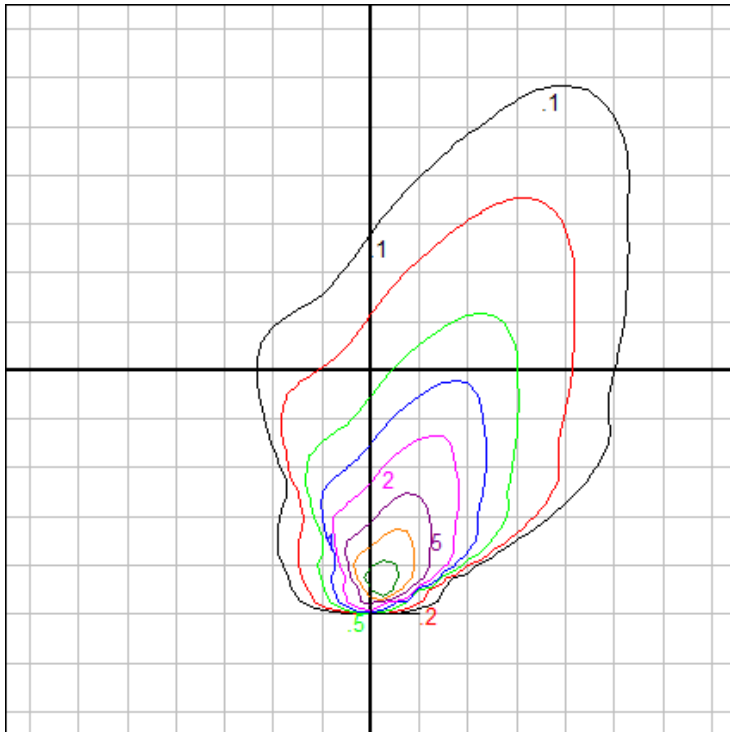


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 5 H x 5 V       |
| Maximum Candela              | 1314.874        |
| Maximum Candela Angle        | 0 H 22.5 V      |
| Horizontal Beam Angle (50%)  | 26.4            |
| Vertical Beam Angle (50%)    | 27.5            |
| Horizontal Field Angle (10%) | 86.3            |
| Vertical Field Angle (10%)   | 83.5            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 147             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 538             |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 78              |
| Luminaire Lumens             | 616             |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 5.36            |
| Ballast Factor               | 1.00            |

## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 0.00   |
| 10-20   | 0.00   |
| 20-30   | 0.00   |
| 30-40   | 0.00   |
| 40-50   | 0.00   |
| 50-60   | 0.00   |
| 60-70   | 0.00   |
| 70-80   | 0.00   |
| 80-90   | 0.00   |
| 90-100  | 1.91   |
| 100-110 | 4.22   |
| 110-120 | 11.17  |
| 120-130 | 43.68  |
| 130-140 | 84.89  |
| 140-150 | 136.16 |
| 150-160 | 172.32 |
| 160-170 | 121.84 |
| 170-180 | 38.13  |



Set Back: 1 ft.

Grid Spacing: 2 ft.

In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

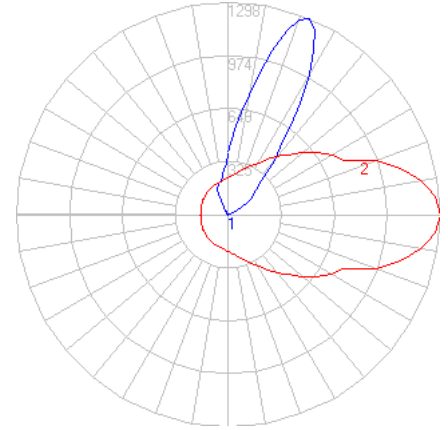
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# BEGA

File: 84087K3\_BEGA\_IES.ies

TEST: L012113201  
TEST LAB: LIGHT LABORATORY, INC.  
DATE: 02/02/2021  
LUMINAIRE: 84 087K3  
LAMP: 4.2W LED

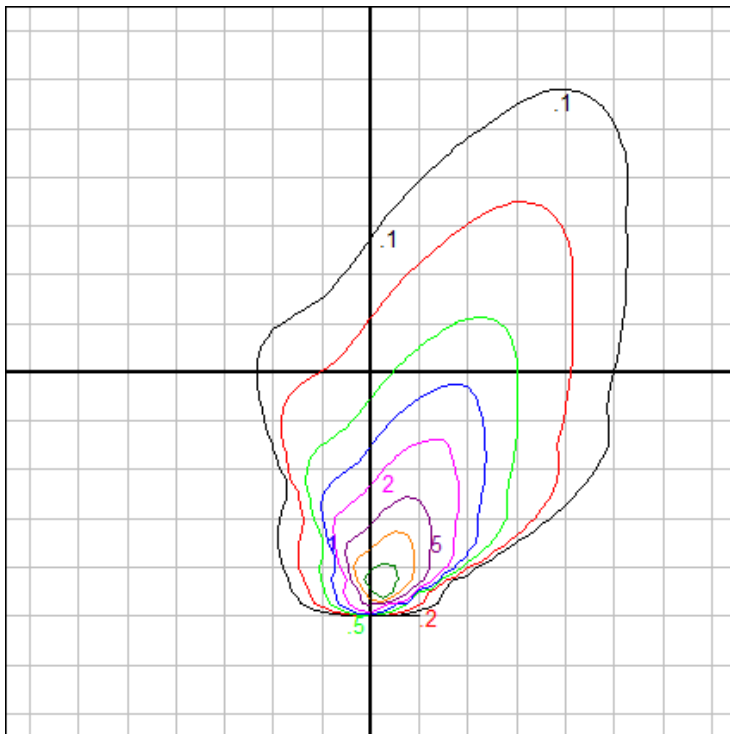


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 5 H x 5 V       |
| Maximum Candela              | 1298            |
| Maximum Candela Angle        | 0 H 22.5 V      |
| Horizontal Beam Angle (50%)  | 26.4            |
| Vertical Beam Angle (50%)    | 27.5            |
| Horizontal Field Angle (10%) | 86.4            |
| Vertical Field Angle (10%)   | 83.5            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 145             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 531             |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 77              |
| Luminaire Lumens             | 608             |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 5.36            |
| Ballast Factor               | 1.00            |

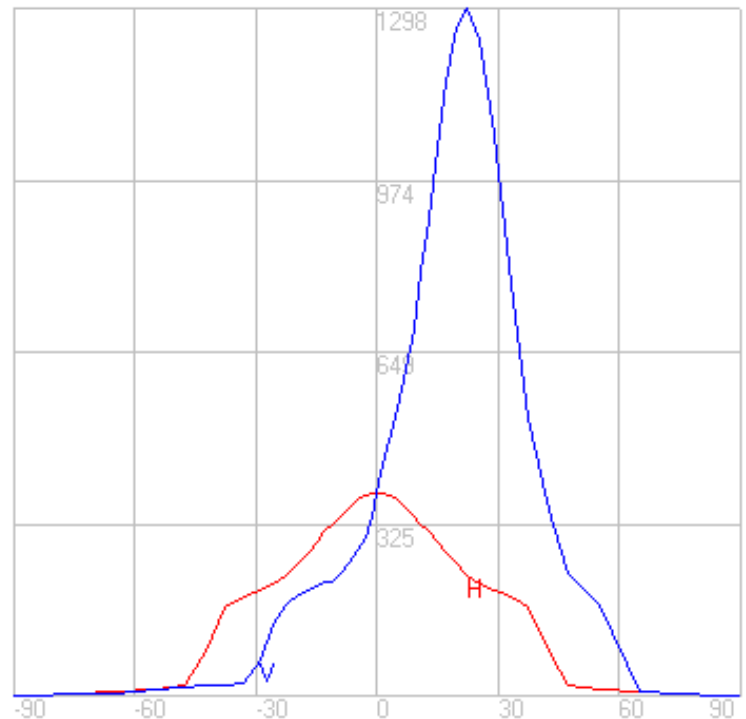
## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 0.00   |
| 10-20   | 0.00   |
| 20-30   | 0.00   |
| 30-40   | 0.00   |
| 40-50   | 0.00   |
| 50-60   | 0.00   |
| 60-70   | 0.00   |
| 70-80   | 0.00   |
| 80-90   | 0.00   |
| 90-100  | 1.95   |
| 100-110 | 4.37   |
| 110-120 | 11.15  |
| 120-130 | 43.18  |
| 130-140 | 83.91  |
| 140-150 | 134.44 |
| 150-160 | 170.11 |
| 160-170 | 120.28 |
| 170-180 | 37.65  |



Set Back: 1 ft.

Grid Spacing: 2 ft.



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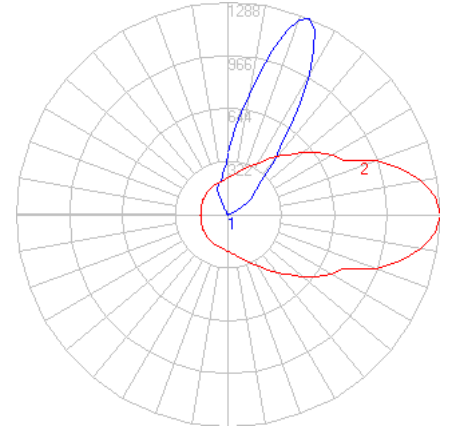
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# BEGA

File: 84087K27\_BEGA\_IES.ies

TEST: L012113201  
 TEST LAB: LIGHT LABORATORY, INC.  
 DATE: 02/02/2021  
 LUMINAIRE: 84 087K27  
 LAMP: 4.2W LED

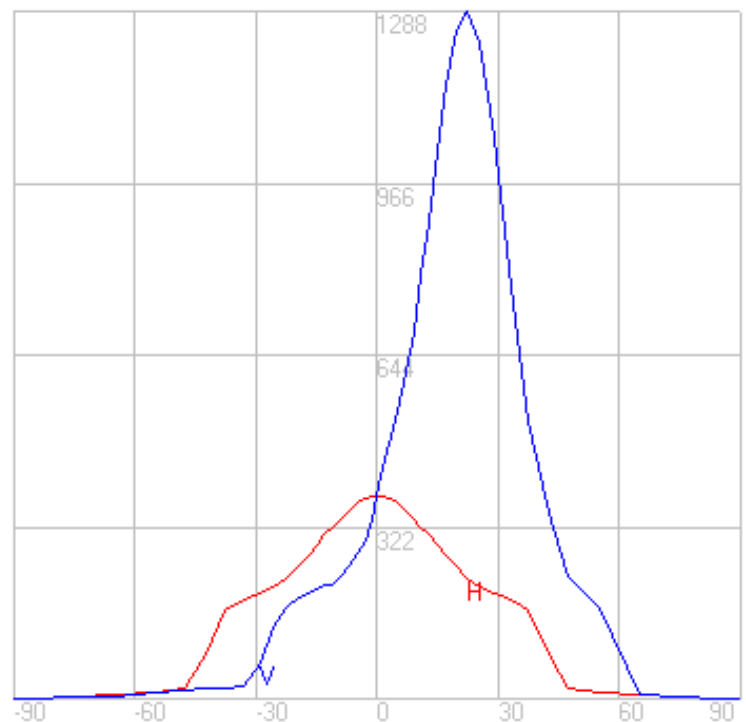
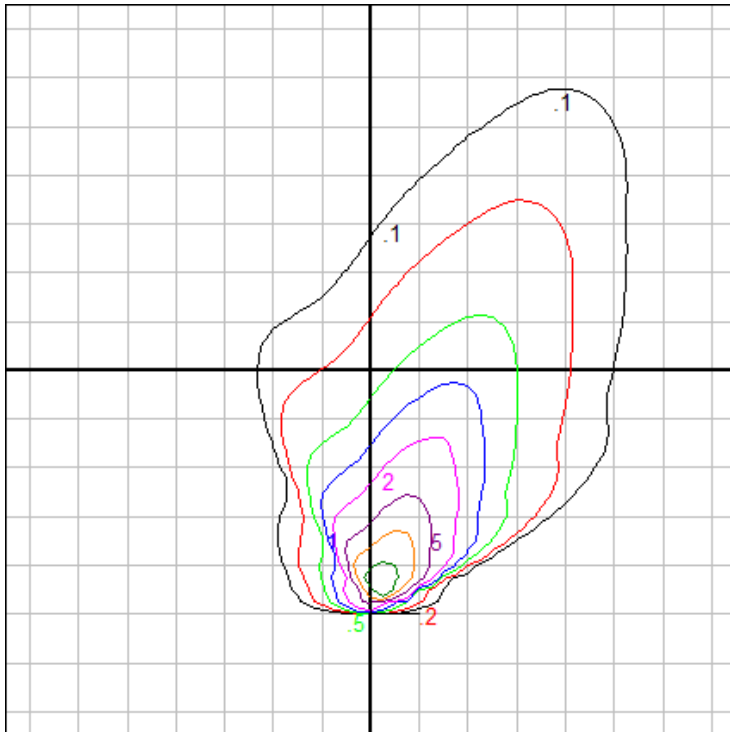


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 5 H x 5 V       |
| Maximum Candela              | 1287.616        |
| Maximum Candela Angle        | 0 H 22.5 V      |
| Horizontal Beam Angle (50%)  | 26.4            |
| Vertical Beam Angle (50%)    | 27.5            |
| Horizontal Field Angle (10%) | 86.3            |
| Vertical Field Angle (10%)   | 83.5            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 144             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 527             |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 76              |
| Luminaire Lumens             | 603             |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 5.36            |
| Ballast Factor               | 1.00            |

## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 0.00   |
| 10-20   | 0.00   |
| 20-30   | 0.00   |
| 30-40   | 0.00   |
| 40-50   | 0.00   |
| 50-60   | 0.00   |
| 60-70   | 0.00   |
| 70-80   | 0.00   |
| 80-90   | 0.00   |
| 90-100  | 1.87   |
| 100-110 | 4.13   |
| 110-120 | 10.94  |
| 120-130 | 42.77  |
| 130-140 | 83.13  |
| 140-150 | 133.34 |
| 150-160 | 168.75 |
| 160-170 | 119.32 |
| 170-180 | 37.34  |



Set Back: 1 ft.

Grid Spacing: 2 ft.

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