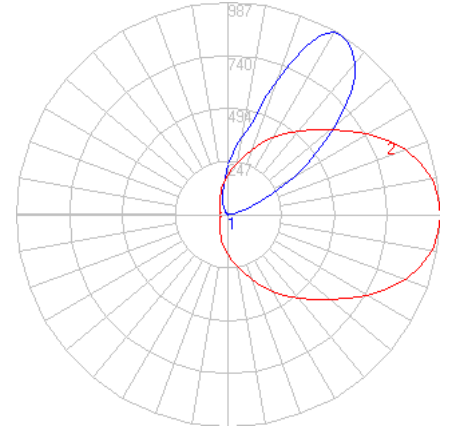


# BEGA

File: 84229K4\_BEGA\_IES.ies

TEST: BE\_84229K4  
TEST LAB: BEGA  
DATE: 7/19/2019  
LUMINAIRE: 84 229K4  
LAMP: 7.8W LED

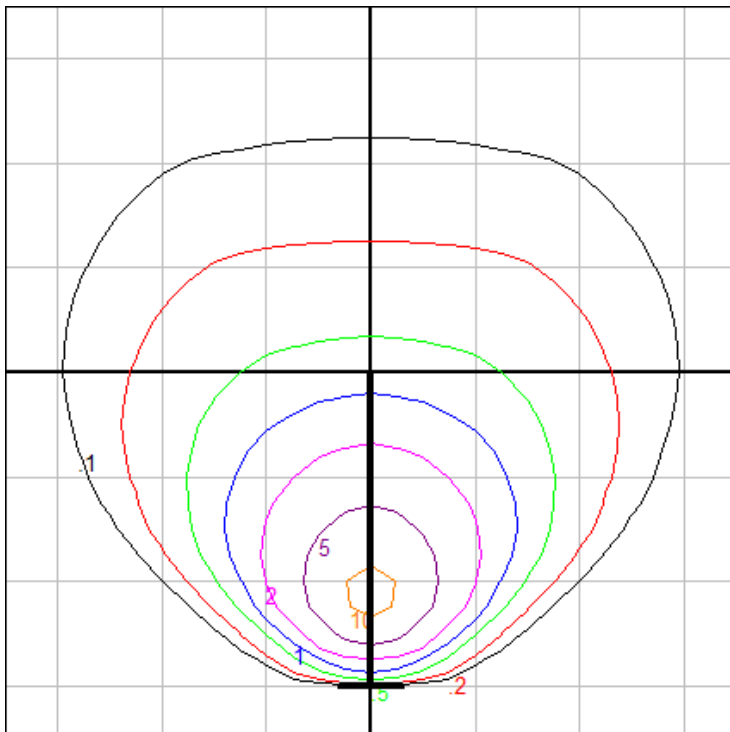


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 6 H x 5 V       |
| Maximum Candela              | 984.7           |
| Maximum Candela Angle        | 0 H 33 V        |
| Horizontal Beam Angle (50%)  | 55.1            |
| Vertical Beam Angle (50%)    | 39.6            |
| Horizontal Field Angle (10%) | 101.6           |
| Vertical Field Angle (10%)   | 89.1            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 374             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 758             |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 80              |
| Luminaire Lumens             | 838             |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 12              |
| Ballast Factor               | 1.00            |

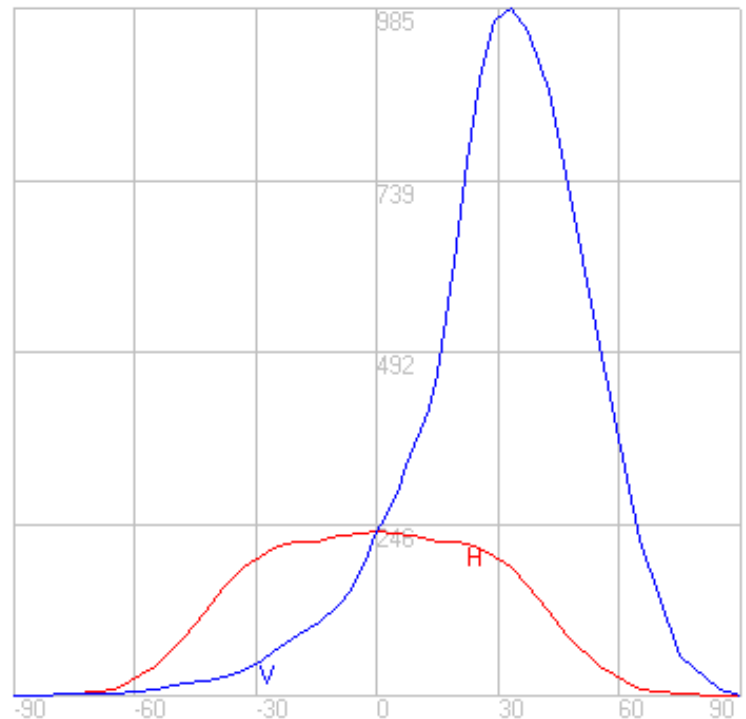
## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 22.23  |
| 10-20   | 73.71  |
| 20-30   | 148.32 |
| 30-40   | 198.75 |
| 40-50   | 186.84 |
| 50-60   | 127.59 |
| 60-70   | 57.58  |
| 70-80   | 16.52  |
| 80-90   | 2.82   |
| 90-100  | 0.00   |
| 100-110 | 0.00   |
| 110-120 | 0.00   |
| 120-130 | 0.00   |
| 130-140 | 0.00   |
| 140-150 | 0.00   |
| 150-160 | 0.00   |
| 160-170 | 0.00   |
| 170-180 | 0.00   |



Setback: 5 ft.

Grid Spacing: 5 ft.



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

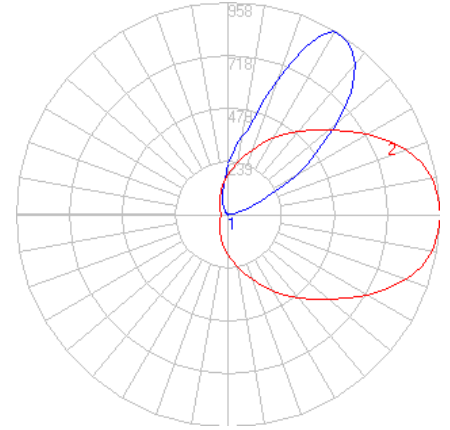
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# BEGA

File: 84229K35\_BEGA\_IES.ies

TEST: BE\_84229K4  
 TEST LAB: BEGA  
 DATE: 7/19/2019  
 LUMINAIRE: 84 229K35  
 LAMP: 7.8W LED

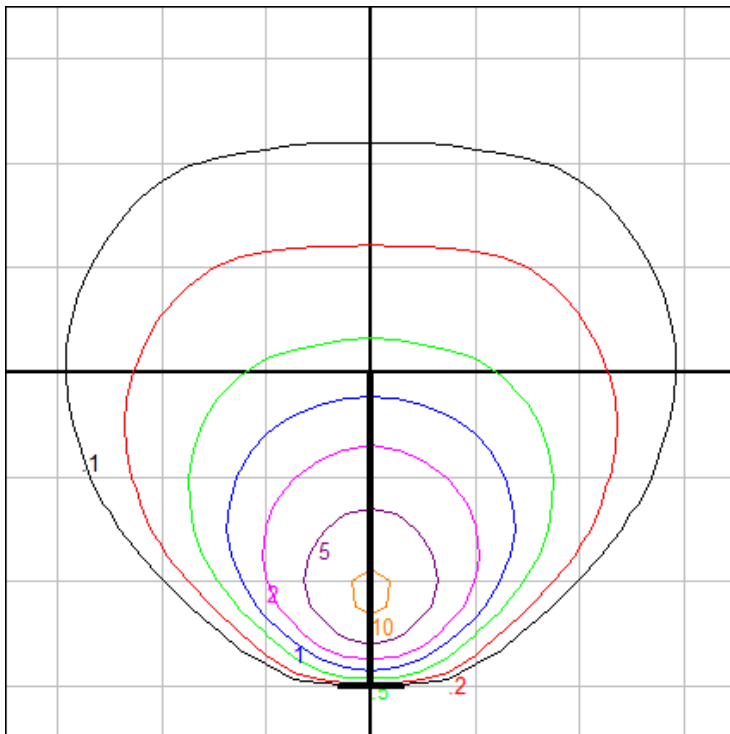


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 6 H x 5 V       |
| Maximum Candela              | 955.178         |
| Maximum Candela Angle        | 0 H 33 V        |
| Horizontal Beam Angle (50%)  | 55.1            |
| Vertical Beam Angle (50%)    | 39.6            |
| Horizontal Field Angle (10%) | 101.6           |
| Vertical Field Angle (10%)   | 89.1            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 363             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 735             |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 78              |
| Luminaire Lumens             | 813             |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 12              |
| Ballast Factor               | 1.00            |

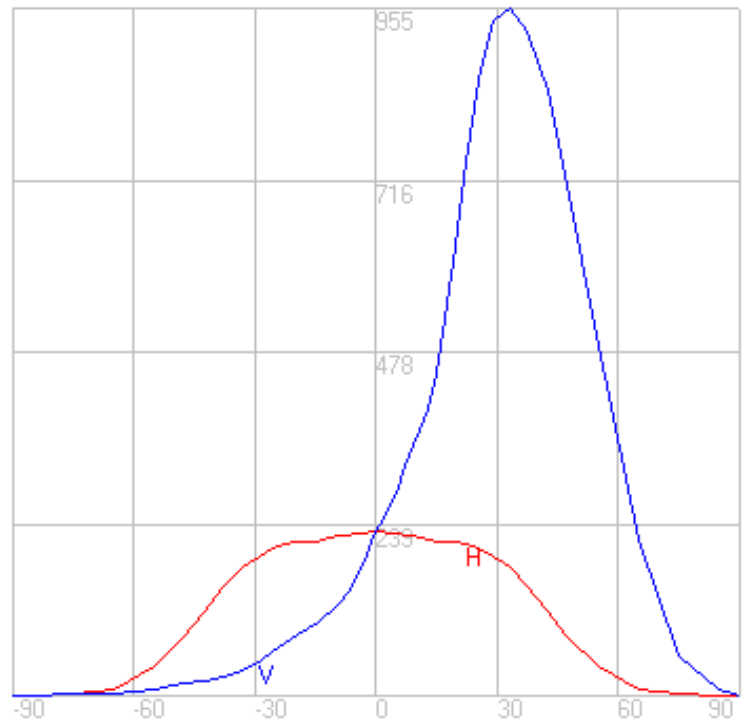
## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 21.56  |
| 10-20   | 71.49  |
| 20-30   | 143.87 |
| 30-40   | 192.78 |
| 40-50   | 181.23 |
| 50-60   | 123.76 |
| 60-70   | 55.84  |
| 70-80   | 16.01  |
| 80-90   | 2.73   |
| 90-100  | 0.00   |
| 100-110 | 0.00   |
| 110-120 | 0.00   |
| 120-130 | 0.00   |
| 130-140 | 0.00   |
| 140-150 | 0.00   |
| 150-160 | 0.00   |
| 160-170 | 0.00   |
| 170-180 | 0.00   |



Setback: 5 ft.

Grid Spacing: 5 ft.



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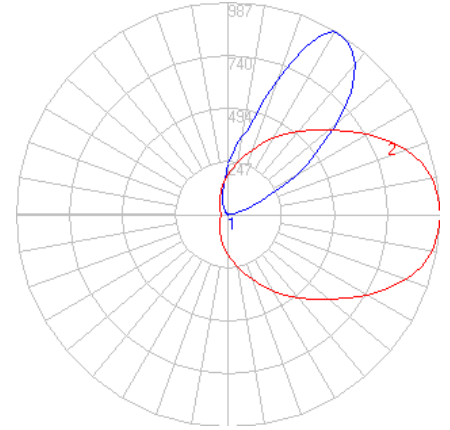
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# BEGA

File: 84229K3\_BEGA\_IES.ies

TEST: BE\_84229K4  
TEST LAB: BEGA  
DATE: 7/19/2019  
LUMINAIRE: 84 229K3  
LAMP: 7.8W LED

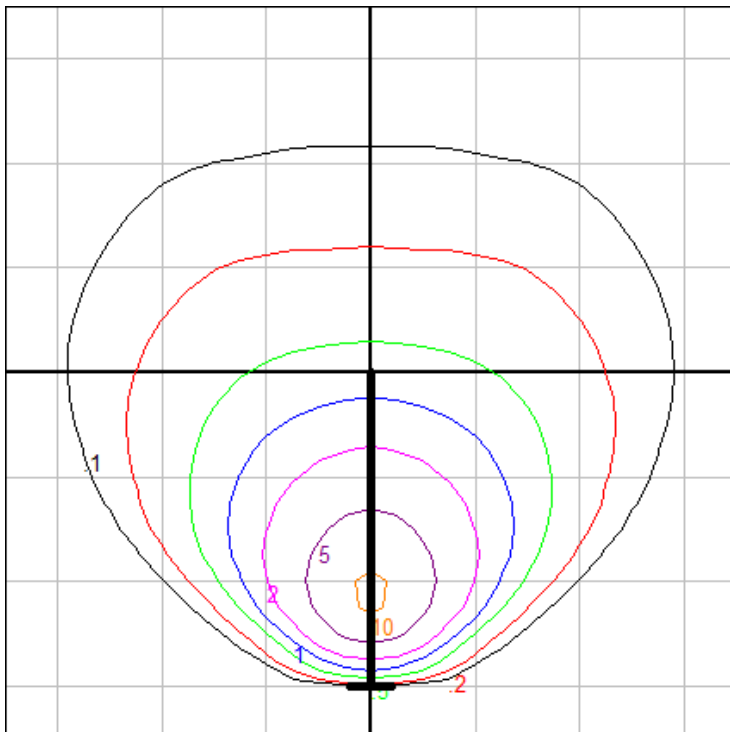


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 6 H x 5 V       |
| Maximum Candela              | 935.484         |
| Maximum Candela Angle        | 0 H 33 V        |
| Horizontal Beam Angle (50%)  | 55.1            |
| Vertical Beam Angle (50%)    | 39.6            |
| Horizontal Field Angle (10%) | 101.6           |
| Vertical Field Angle (10%)   | 89.1            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 355             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 720             |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 76              |
| Luminaire Lumens             | 796             |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 12              |
| Ballast Factor               | 1.00            |

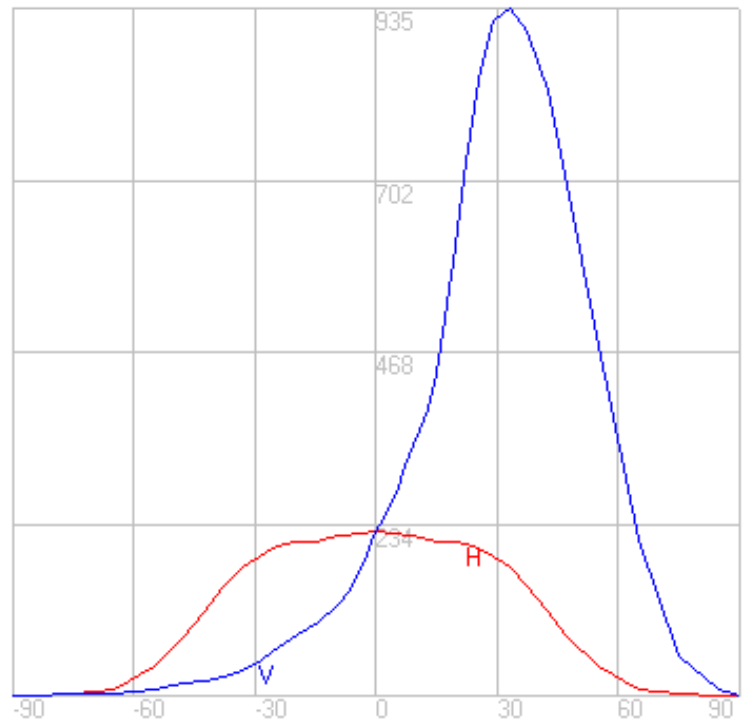
## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 21.12  |
| 10-20   | 70.02  |
| 20-30   | 140.90 |
| 30-40   | 188.81 |
| 40-50   | 177.49 |
| 50-60   | 121.20 |
| 60-70   | 54.69  |
| 70-80   | 15.68  |
| 80-90   | 2.67   |
| 90-100  | 0.00   |
| 100-110 | 0.00   |
| 110-120 | 0.00   |
| 120-130 | 0.00   |
| 130-140 | 0.00   |
| 140-150 | 0.00   |
| 150-160 | 0.00   |
| 160-170 | 0.00   |
| 170-180 | 0.00   |



Setback: 5 ft.

Grid Spacing: 5 ft.



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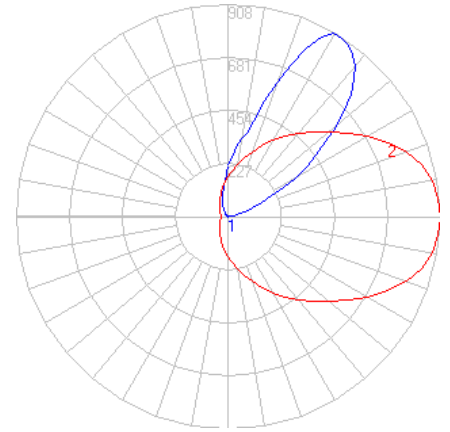
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# BEGA

File: 84229K27\_BEGA\_IES.ies

TEST: BE\_84229K4  
TEST LAB: BEGA  
DATE: 7/19/2019  
LUMINAIRE: 84 229K27  
LAMP: 7.8W LED

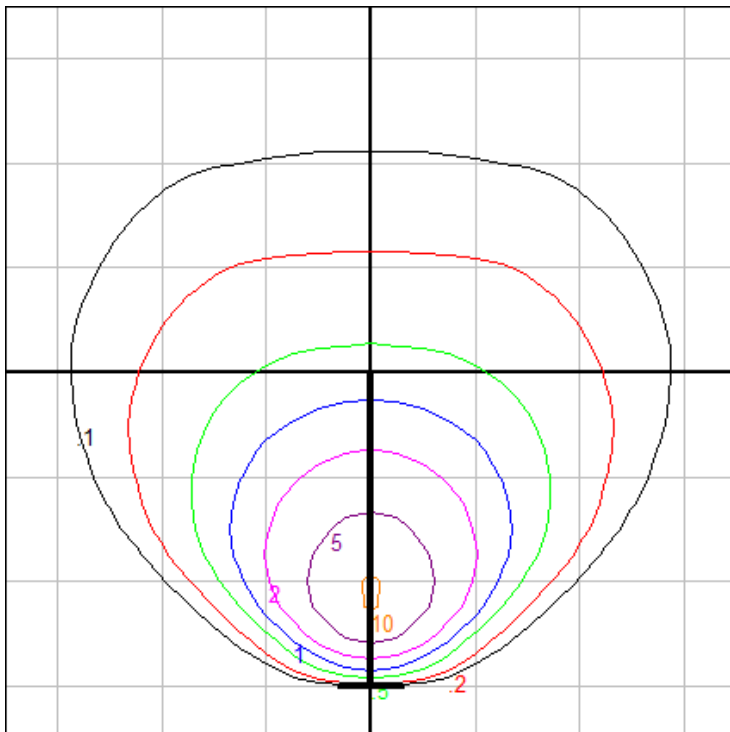


## Characteristics

|                              |                 |
|------------------------------|-----------------|
| NEMA Type                    | 6 H x 5 V       |
| Maximum Candela              | 905.942         |
| Maximum Candela Angle        | 0 H 33 V        |
| Horizontal Beam Angle (50%)  | 55.1            |
| Vertical Beam Angle (50%)    | 39.6            |
| Horizontal Field Angle (10%) | 101.6           |
| Vertical Field Angle (10%)   | 89.1            |
| Lumens Per Lamp              | N.A. (absolute) |
| Total Lamp Lumens            | N.A. (absolute) |
| Beam Lumens                  | 344             |
| Beam Efficiency              | N.A.            |
| Field Lumens                 | 697             |
| Field Efficiency             | N.A.            |
| Spill Lumens                 | 74              |
| Luminaire Lumens             | 771             |
| Total Efficiency             | N.A.            |
| Total Luminaire Watts        | 12              |
| Ballast Factor               | 1.00            |

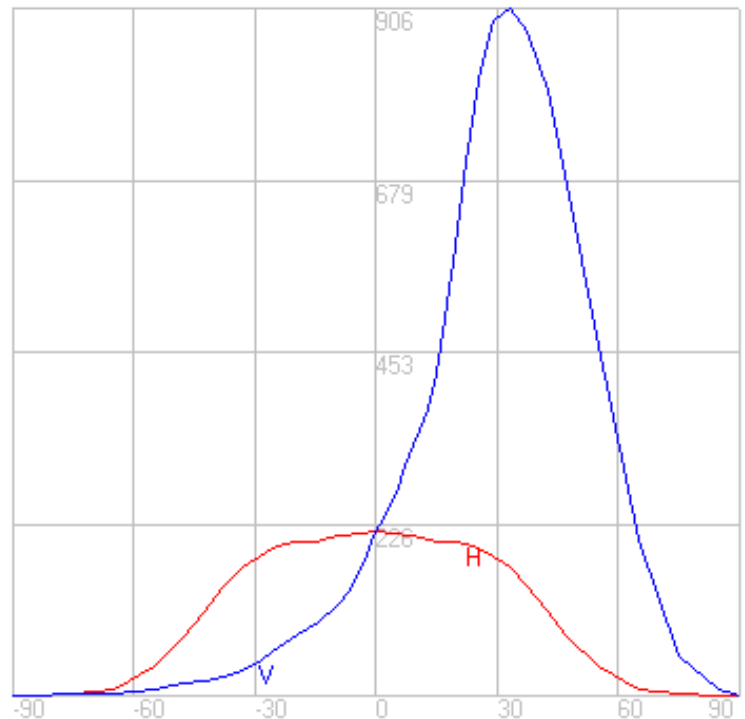
## Zonal Lumen Summary

| Zone    | Lumens |
|---------|--------|
| 0-10    | 20.45  |
| 10-20   | 67.81  |
| 20-30   | 136.45 |
| 30-40   | 182.85 |
| 40-50   | 171.89 |
| 50-60   | 117.38 |
| 60-70   | 52.96  |
| 70-80   | 15.19  |
| 80-90   | 2.59   |
| 90-100  | 0.00   |
| 100-110 | 0.00   |
| 110-120 | 0.00   |
| 120-130 | 0.00   |
| 130-140 | 0.00   |
| 140-150 | 0.00   |
| 150-160 | 0.00   |
| 160-170 | 0.00   |
| 170-180 | 0.00   |



Setback: 5 ft.

Grid Spacing: 5 ft.



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