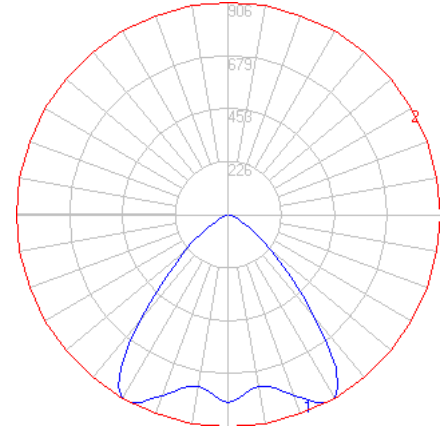
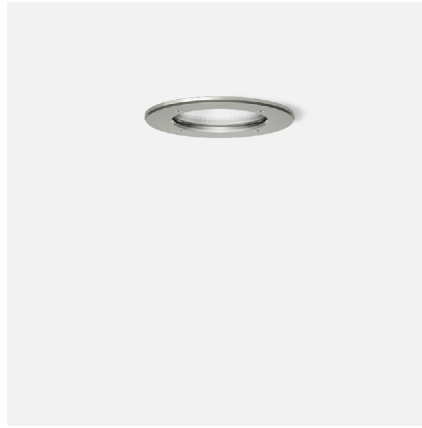


BEGA

File: 24439K4_BEGA_IES.ies

TEST: BE_24439K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 439K4
LAMP: 16.8W LED

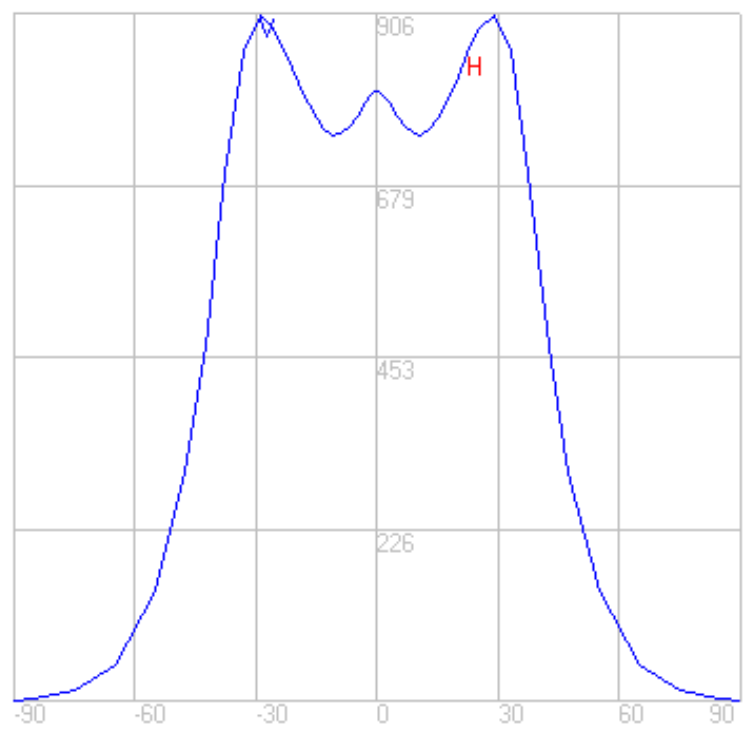
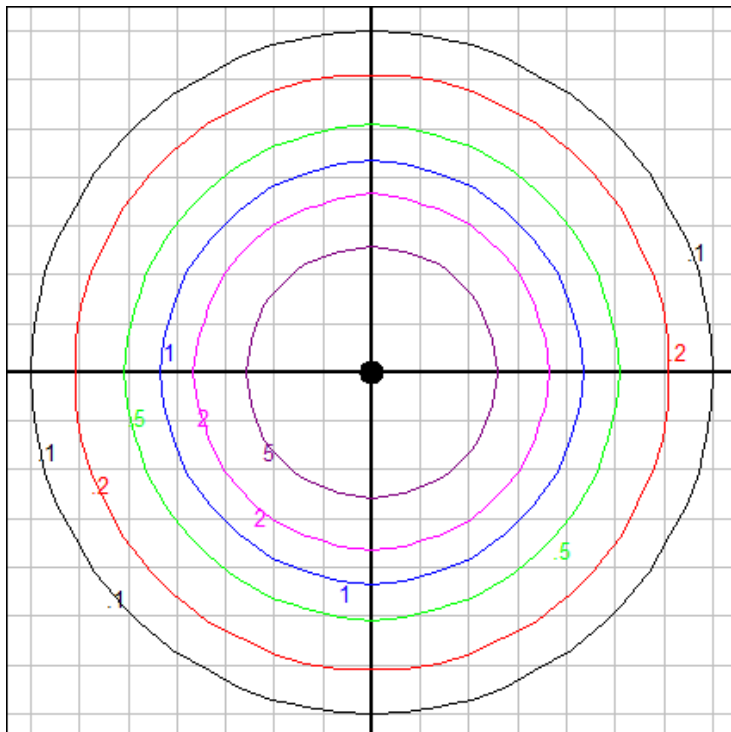


Characteristics

NEMA Type	6 H x 6 V
Maximum Candela	905.51
Maximum Candela Angle	-29 H -7 V
Horizontal Beam Angle (50%)	66.2
Vertical Beam Angle (50%)	84.9
Horizontal Field Angle (10%)	108.7
Vertical Field Angle (10%)	120.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1289
Beam Efficiency	N.A.
Field Lumens	1610
Field Efficiency	N.A.
Spill Lumens	77
Luminaire Lumens	1687
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	72.74
10-20	220.25
20-30	406.69
30-40	484.32
40-50	296.55
50-60	133.37
60-70	48.88
70-80	15.85
80-90	2.72
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



Mounting Height: 10 ft.

Grid Spacing: 2.5 ft.

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

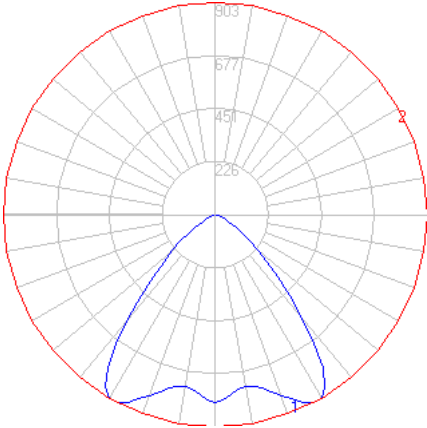
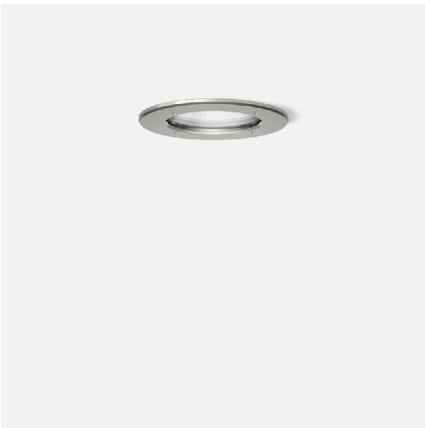
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2023

8/8/2023

BEGA

File: 24439K35_BEGA_IES.ies

TEST: BE_24439K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 439K35
LAMP: 16.8W LED

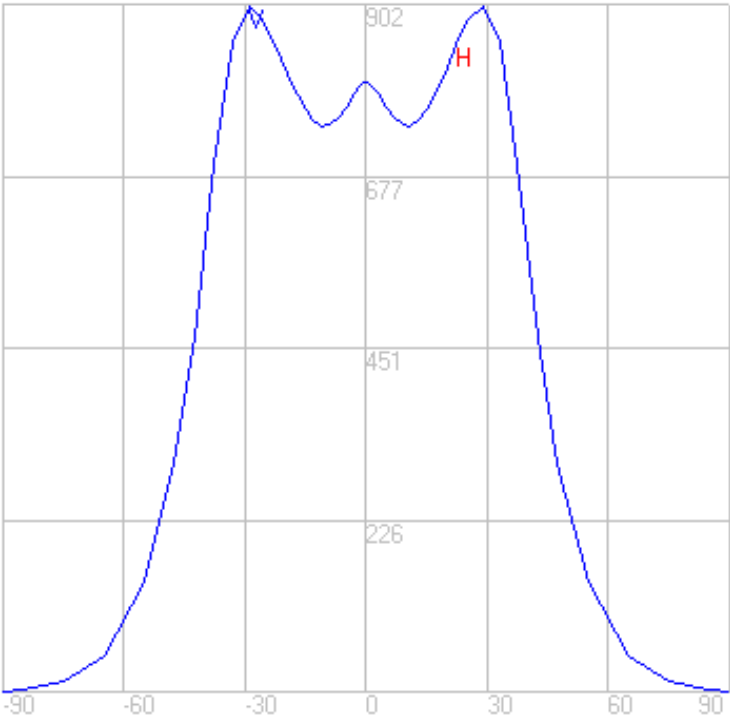
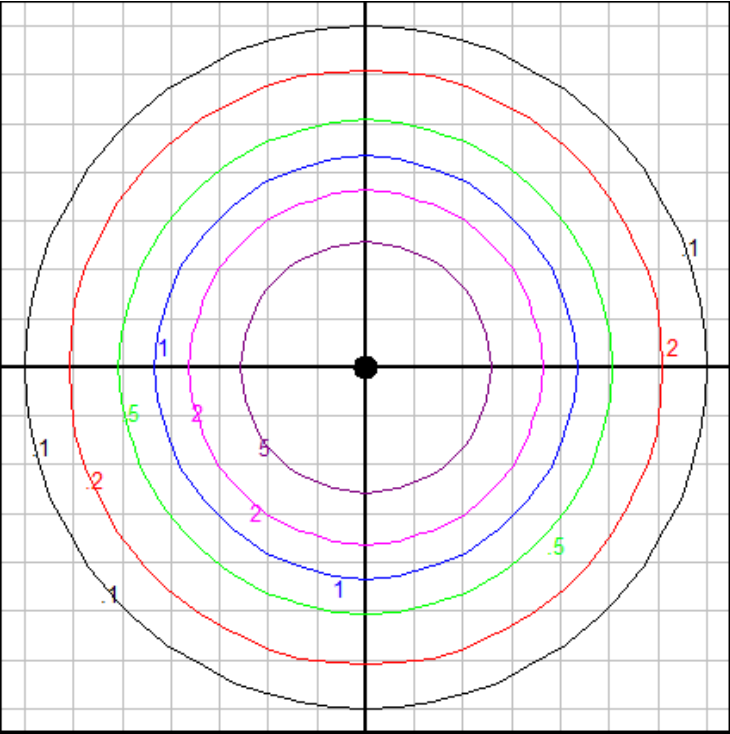


Characteristics

NEMA Type	6 H x 6 V
Maximum Candela	902.311
Maximum Candela Angle	-29 H -7 V
Horizontal Beam Angle (50%)	66.2
Vertical Beam Angle (50%)	84.9
Horizontal Field Angle (10%)	108.7
Vertical Field Angle (10%)	120.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1285
Beam Efficiency	N.A.
Field Lumens	1604
Field Efficiency	N.A.
Spill Lumens	77
Luminaire Lumens	1681
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	72.48
10-20	219.47
20-30	405.25
30-40	482.61
40-50	295.50
50-60	132.89
60-70	48.71
70-80	15.79
80-90	2.71
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



Mounting Height: 10 ft.

Grid Spacing: 2.5 ft.

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

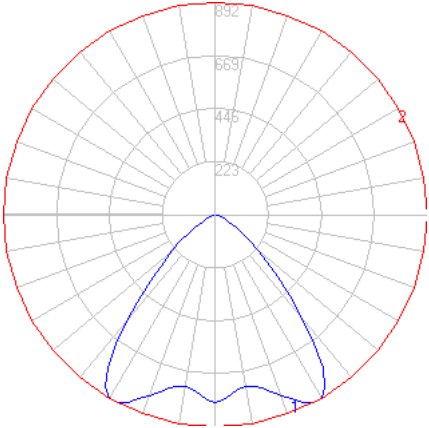
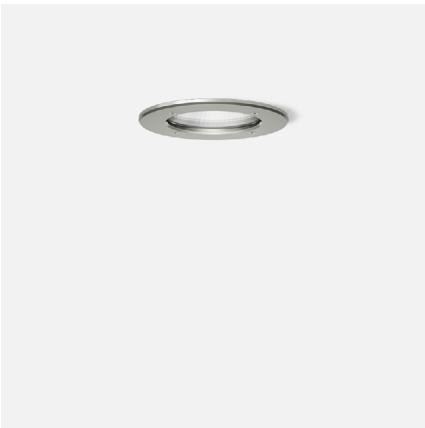
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2023

8/8/2023

BEGA

File: 24439K3_BEGA_IES.ies

TEST: BE_24439K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 439K3
LAMP: 16.8W LED

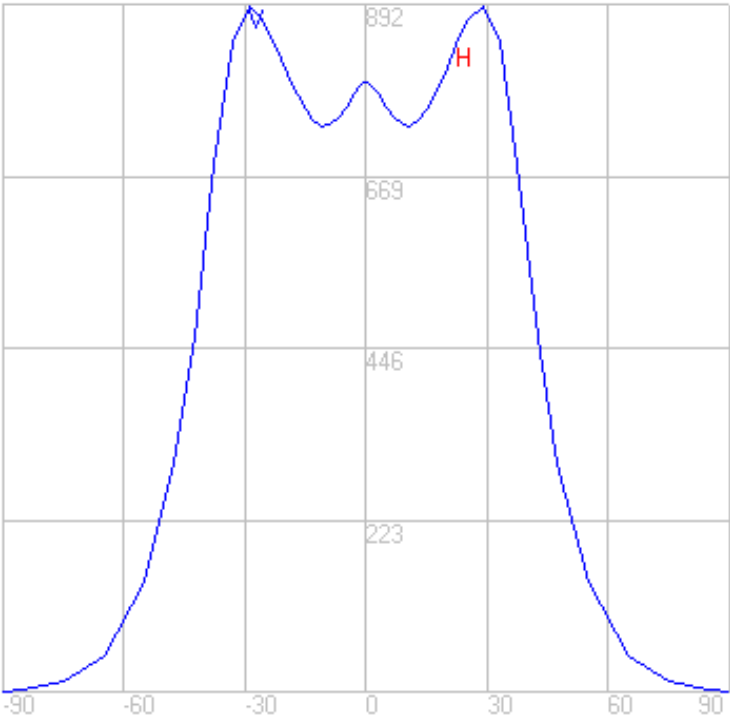
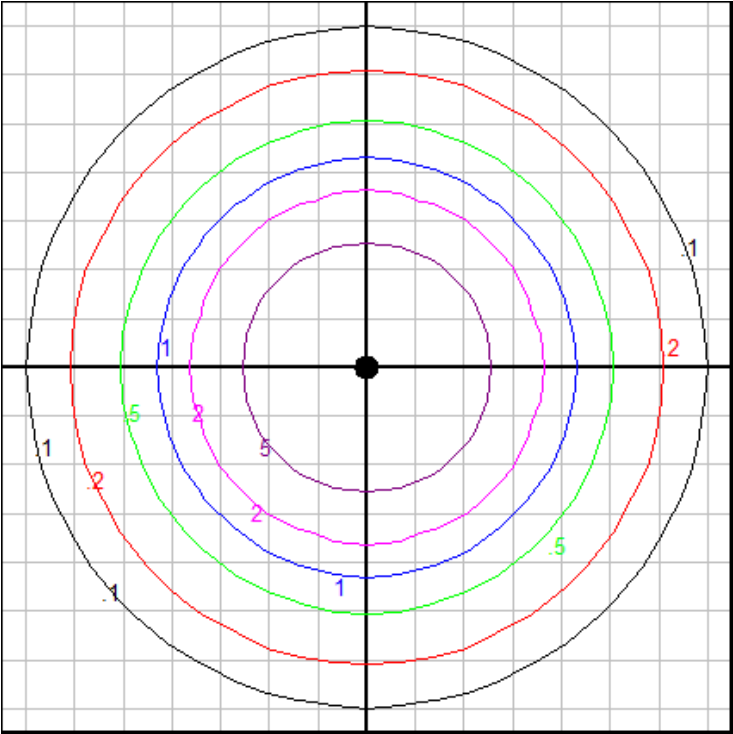


Characteristics

NEMA Type	6 H x 6 V
Maximum Candela	891.646
Maximum Candela Angle	-29 H -7 V
Horizontal Beam Angle (50%)	66.2
Vertical Beam Angle (50%)	84.9
Horizontal Field Angle (10%)	108.7
Vertical Field Angle (10%)	120.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1270
Beam Efficiency	N.A.
Field Lumens	1585
Field Efficiency	N.A.
Spill Lumens	76
Luminaire Lumens	1662
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	71.62
10-20	216.87
20-30	400.46
30-40	476.90
40-50	292.00
50-60	131.32
60-70	48.14
70-80	15.60
80-90	2.68
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



Mounting Height: 10 ft.

Grid Spacing: 2.5 ft.

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

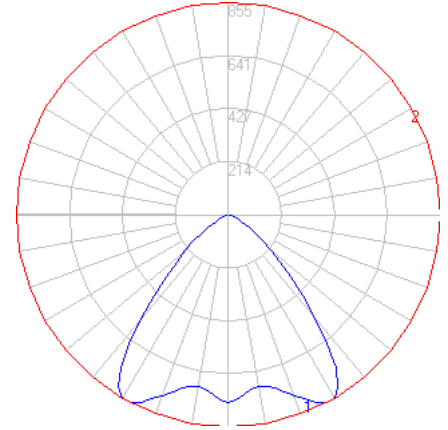
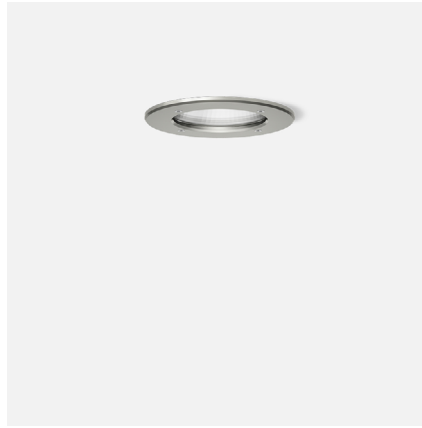
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2023

8/8/2023

BEGA

File: 24439K27_BEGA_IES.ies

TEST: BE_24439K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 439K27
LAMP: 16.8W LED

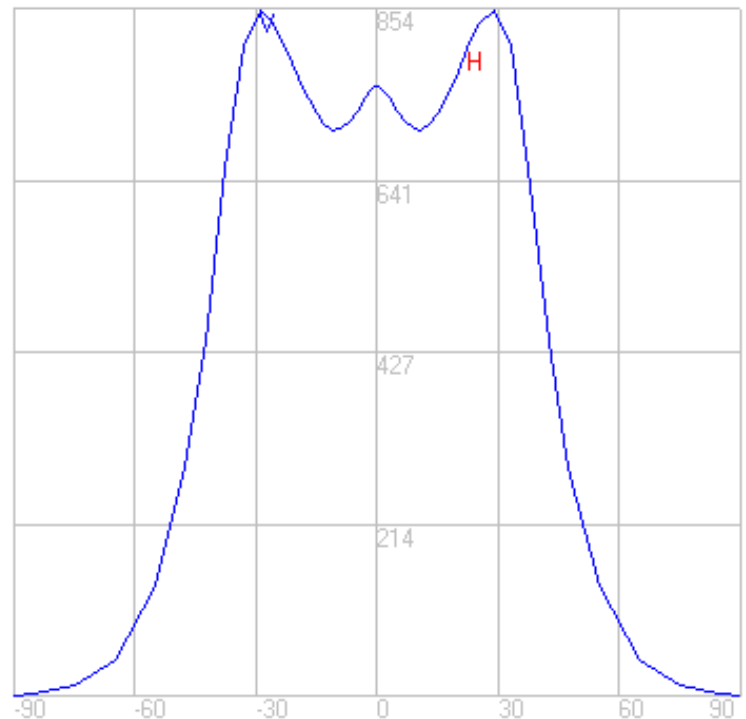
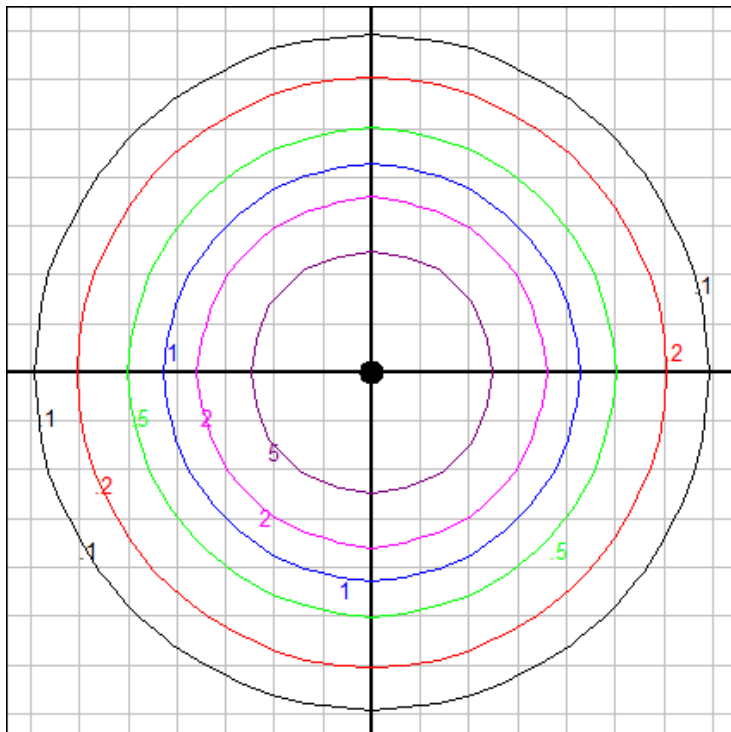


Characteristics

NEMA Type	6 H x 6 V
Maximum Candela	854.316
Maximum Candela Angle	-29 H -7 V
Horizontal Beam Angle (50%)	66.2
Vertical Beam Angle (50%)	84.9
Horizontal Field Angle (10%)	108.7
Vertical Field Angle (10%)	120.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1216
Beam Efficiency	N.A.
Field Lumens	1519
Field Efficiency	N.A.
Spill Lumens	73
Luminaire Lumens	1592
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	68.62
10-20	207.79
20-30	383.69
30-40	456.94
40-50	279.78
50-60	125.83
60-70	46.12
70-80	14.95
80-90	2.57
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



Mounting Height: 10 ft.

Grid Spacing: 2.5 ft.

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

BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2023

8/8/2023