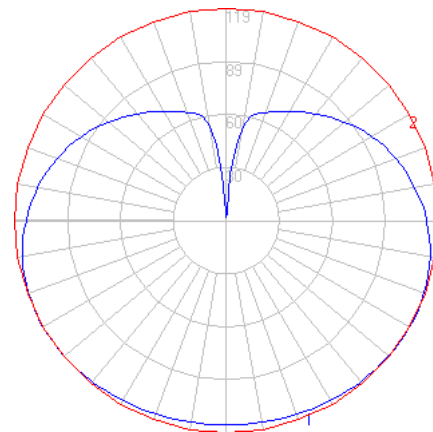
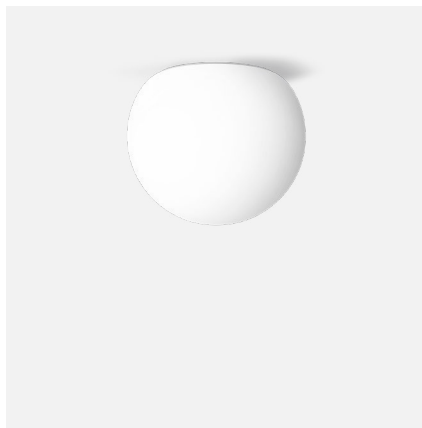


BEGA

File: 50635K4_BEGA_IES.IES

TEST: BE_50635K4
TEST LAB: BEGA
DATE: 02/15/2019
LUMINAIRE: 50 635K4
LAMP: 9.6W LED

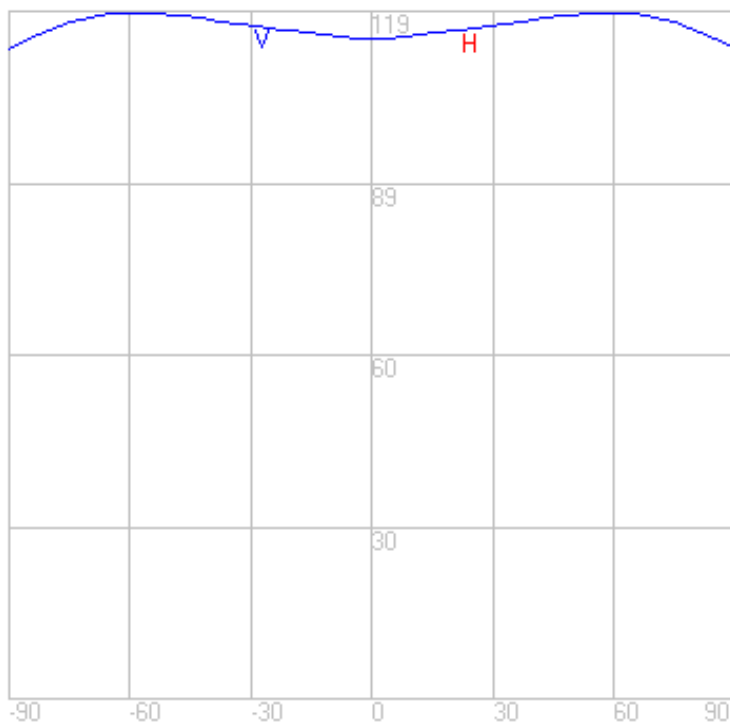
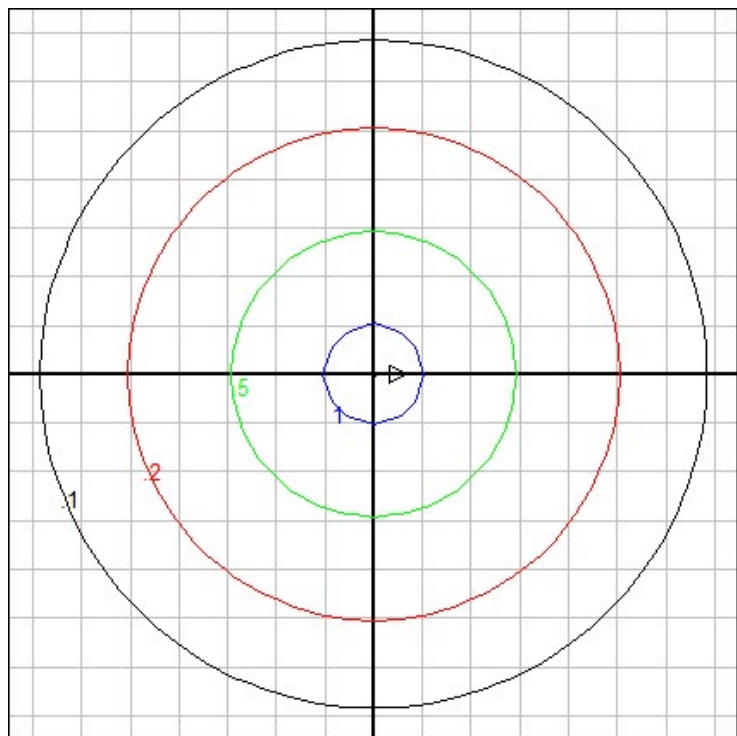


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1309
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Sphere
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.82 m (Diameter)
Luminous Height	0.82 m (Diameter)

Zonal Lumen Summary

Zone	Lumens
0-10	10.95
10-20	32.72
20-30	53.81
30-40	73.65
40-50	91.54
50-60	106.65
60-70	117.86
70-80	124.18
80-90	124.95
90-100	120.27
100-110	110.71
110-120	97.26
120-130	81.16
130-140	63.85
140-150	46.92
150-160	31.41
160-170	17.47
170-180	3.35



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

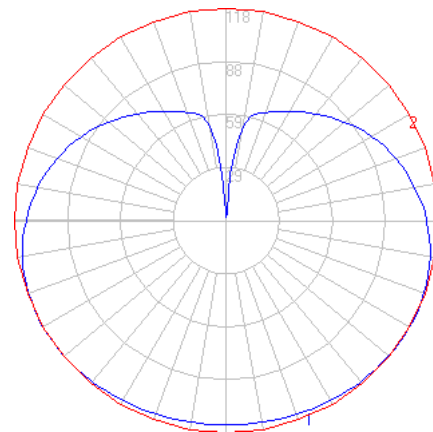
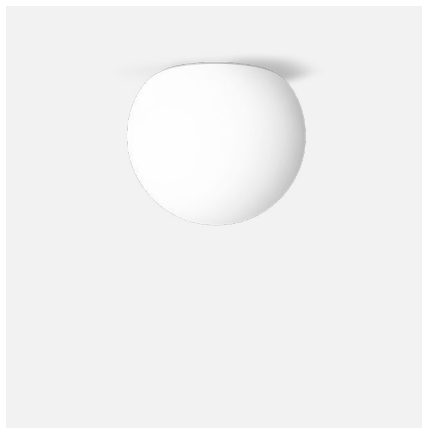
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

04/30/2020

BEGA

File: 50635K35_BEGA_IES.ies

TEST: BE_50635K4
TEST LAB: BEGA
DATE: 02/15/2019
LUMINAIRE: 50 635K35
LAMP: 9.6W LED

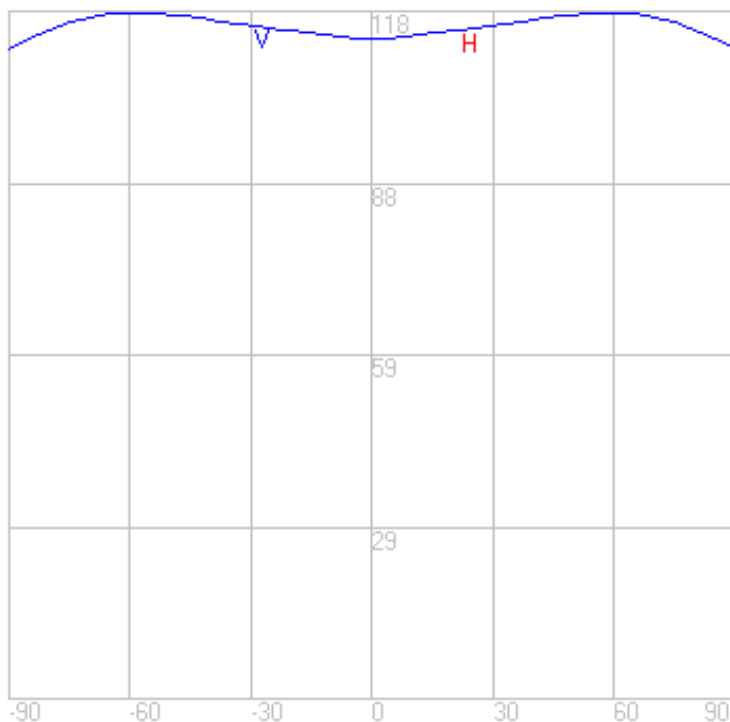
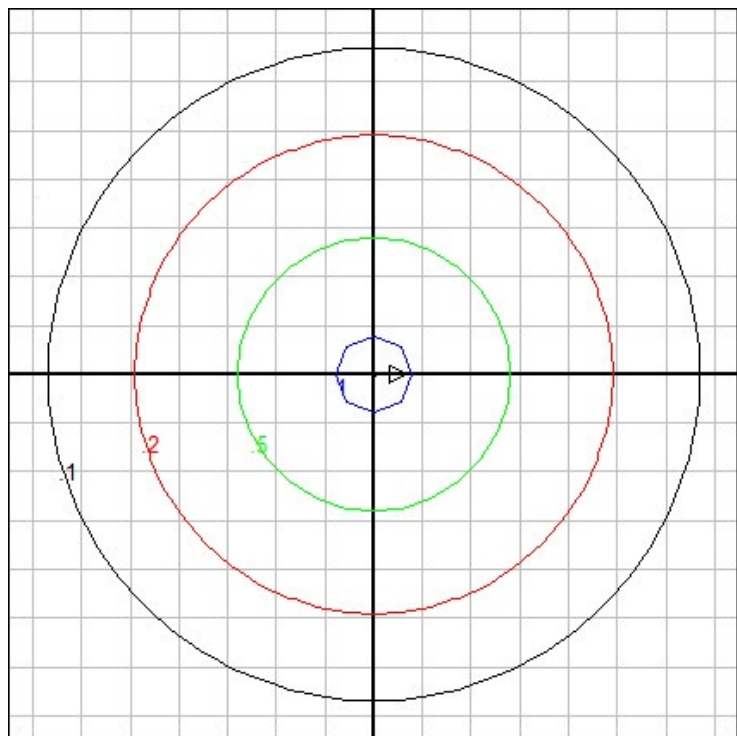


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1296
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Sphere
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.82 m (Diameter)
Luminous Height	0.82 m (Diameter)

Zonal Lumen Summary

Zone	Lumens
0-10	10.84
10-20	32.40
20-30	53.28
30-40	72.92
40-50	90.62
50-60	105.59
60-70	116.68
70-80	122.94
80-90	123.70
90-100	119.07
100-110	109.60
110-120	96.29
120-130	80.35
130-140	63.21
140-150	46.45
150-160	31.09
160-170	17.29
170-180	3.31



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

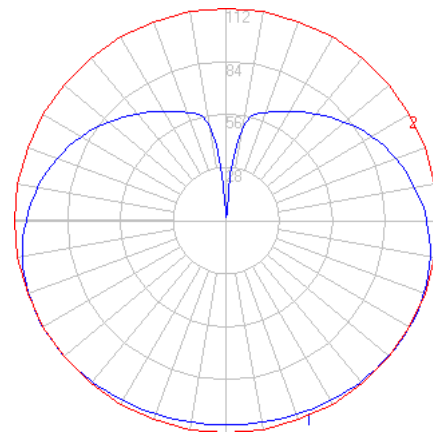
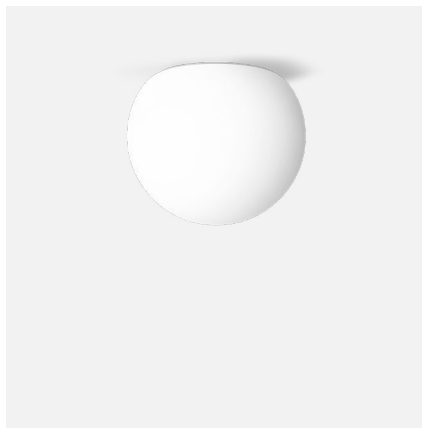
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

04/30/2020

BEGA

File: 50635K3_BEGA_IES.ies

TEST: BE_50635K4
TEST LAB: BEGA
DATE: 02/15/2019
LUMINAIRE: 50 635K3
LAMP: 9.6W LED

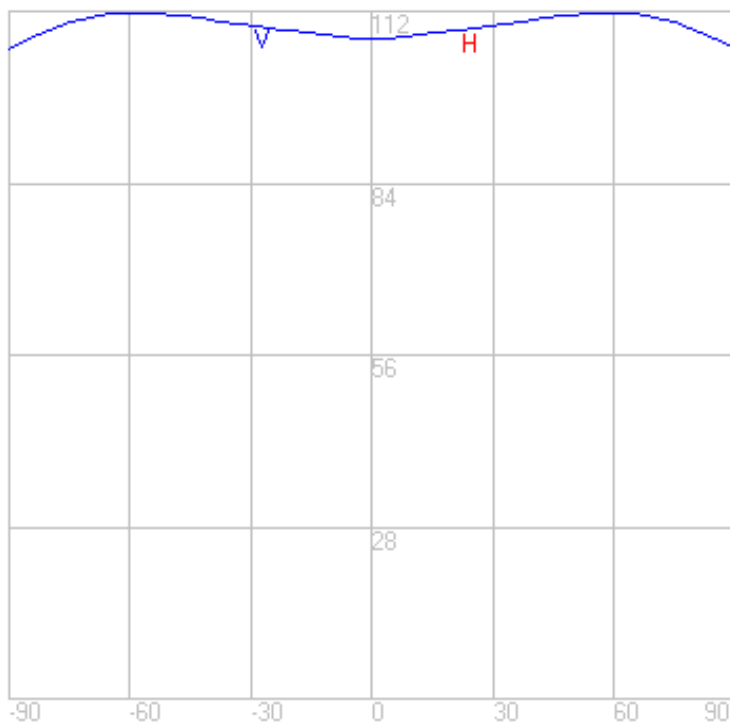
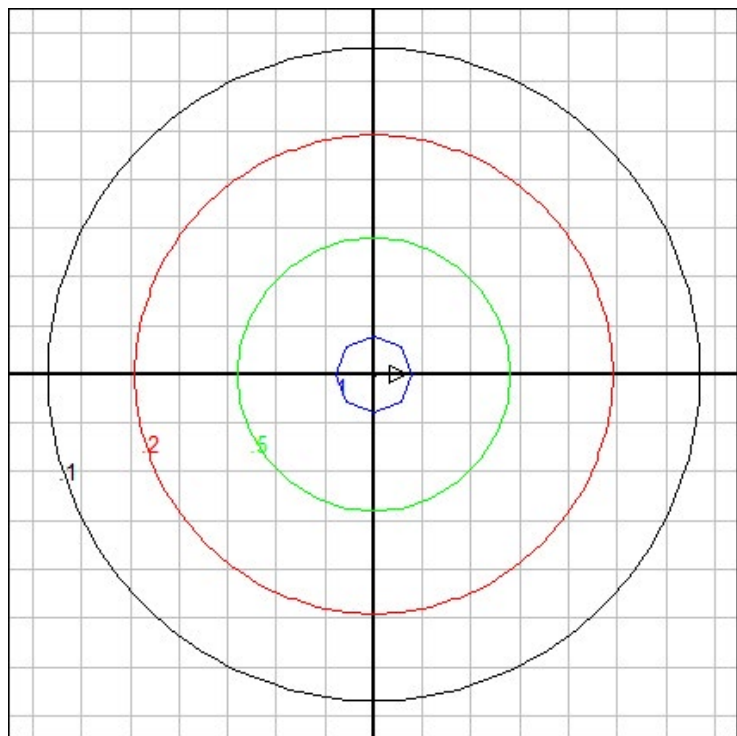


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1237
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Sphere
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.82 m (Diameter)
Luminous Height	0.82 m (Diameter)

Zonal Lumen Summary

Zone	Lumens
0-10	10.35
10-20	30.92
20-30	50.86
30-40	69.60
40-50	86.50
50-60	100.79
60-70	111.37
70-80	117.35
80-90	118.08
90-100	113.65
100-110	104.62
110-120	91.91
120-130	76.70
130-140	60.34
140-150	44.34
150-160	29.68
160-170	16.50
170-180	3.16



Mounting Height: 10 ft.

Grid Spacing: 3 ft.

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

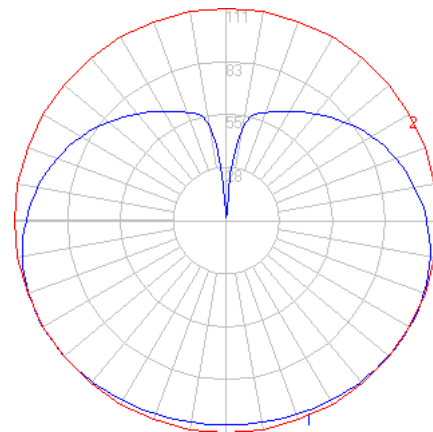
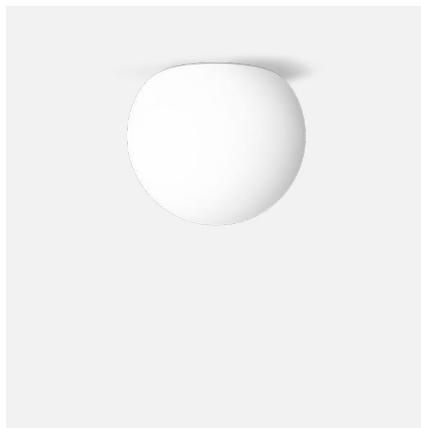
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

04/30/2020

BEGA

File: 50635K27_BEGA_IES.ies

TEST: BE_50635K4
TEST LAB: BEGA
DATE: 02/15/2019
LUMINAIRE: 50635K27
LAMP: 9.6W LED

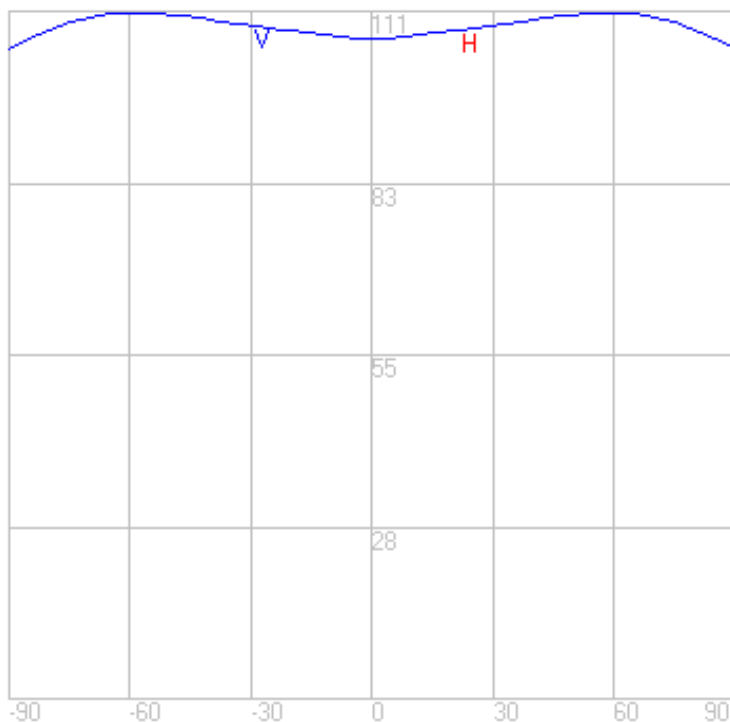
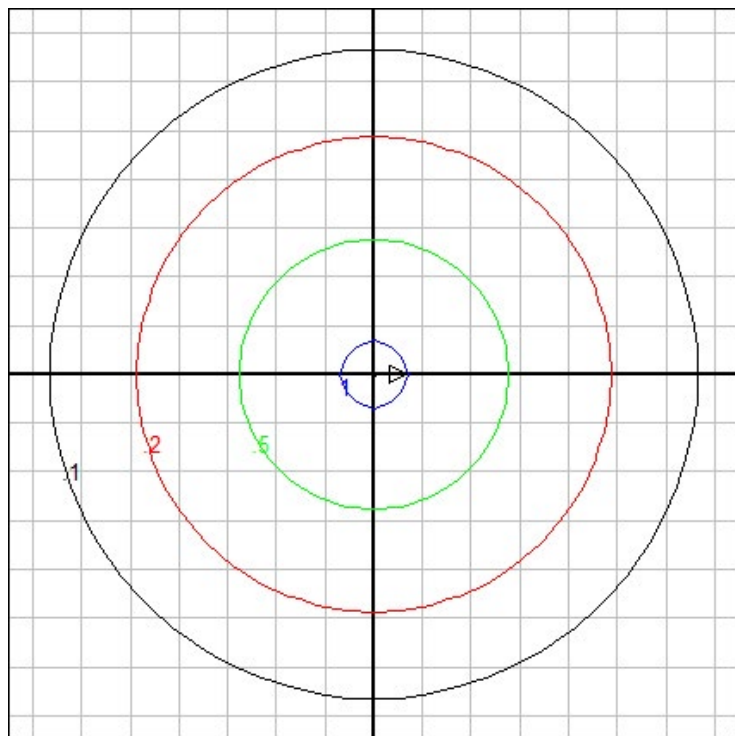


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1220
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	13
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Sphere
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.82 m (Diameter)
Luminous Height	0.82 m (Diameter)

Zonal Lumen Summary

Zone	Lumens
0-10	10.21
10-20	30.50
20-30	50.16
30-40	68.64
40-50	85.31
50-60	99.40
60-70	109.84
70-80	115.73
80-90	116.45
90-100	112.09
100-110	103.18
110-120	90.65
120-130	75.64
130-140	59.51
140-150	43.73
150-160	29.27
160-170	16.28
170-180	3.12



Mounting Height: 10 ft.

Grid Spacing: 3 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 2020

04/30/2020