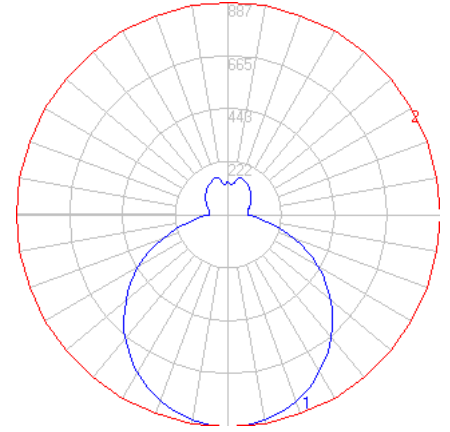


BEGA

File: 12162K4_BEGA_IES.ies

TEST: BE_12162K4
 TEST LAB: BEGA
 DATE: 02/15/2019
 LUMINAIRE: 12 162K4
 LAMP: 37.8W LED

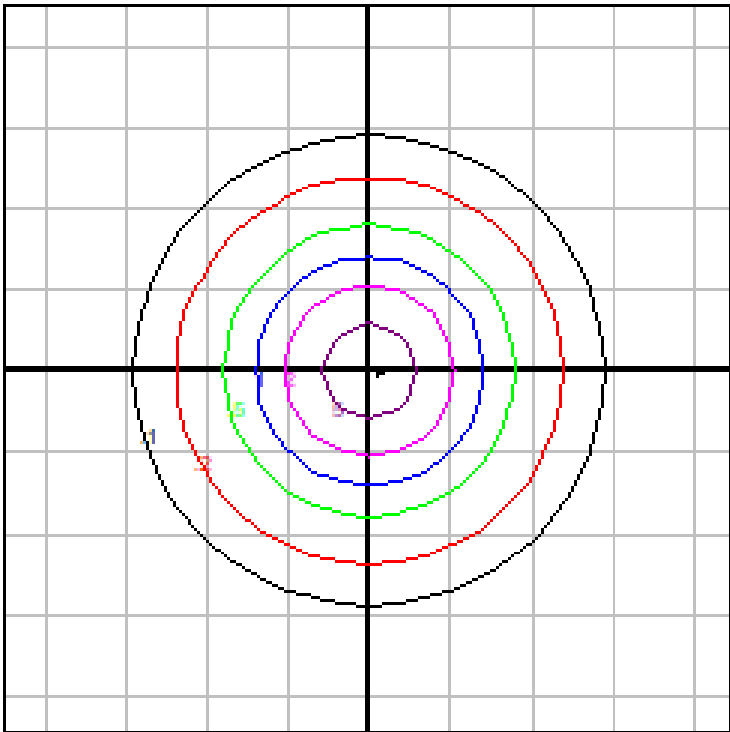


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3499
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.84 ft (Diameter)
Luminous Height	0.34 ft

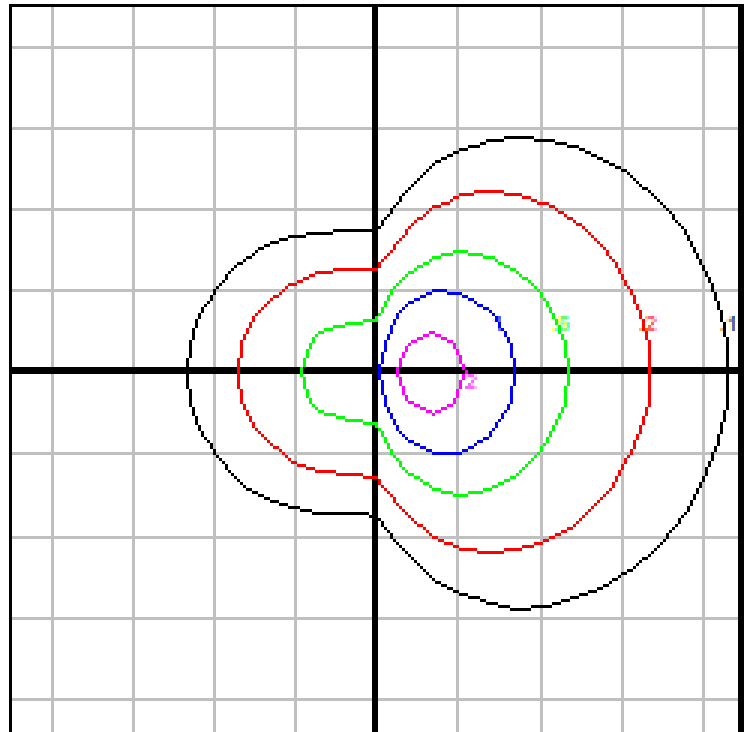
Zonal Lumen Summary

Zone	Lumens
0-10	83.87
10-20	241.11
20-30	368.26
30-40	450.03
40-50	476.81
50-60	445.64
60-70	361.31
70-80	240.11
80-90	125.92
90-100	88.39
100-110	92.34
110-120	99.35
120-130	103.99
130-140	101.86
140-150	91.37
150-160	72.53
160-170	43.74
170-180	12.37



Mounting Height: 10 ft.

Grid Spacing: 10 ft.



Mounting Height: 10 ft.

Grid Spacing: 10 ft.

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

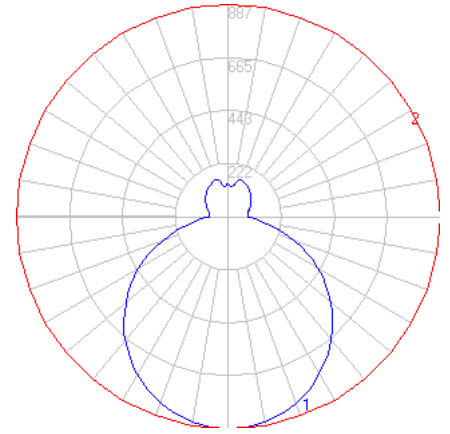
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

06/30/20

BEGA

File: 12162K35_BEGA_IES.ies

TEST: BE_12162K4
 TEST LAB: BEGA
 DATE: 02/15/2019
 LUMINAIRE: 12 162K35
 LAMP: 37.8W LED

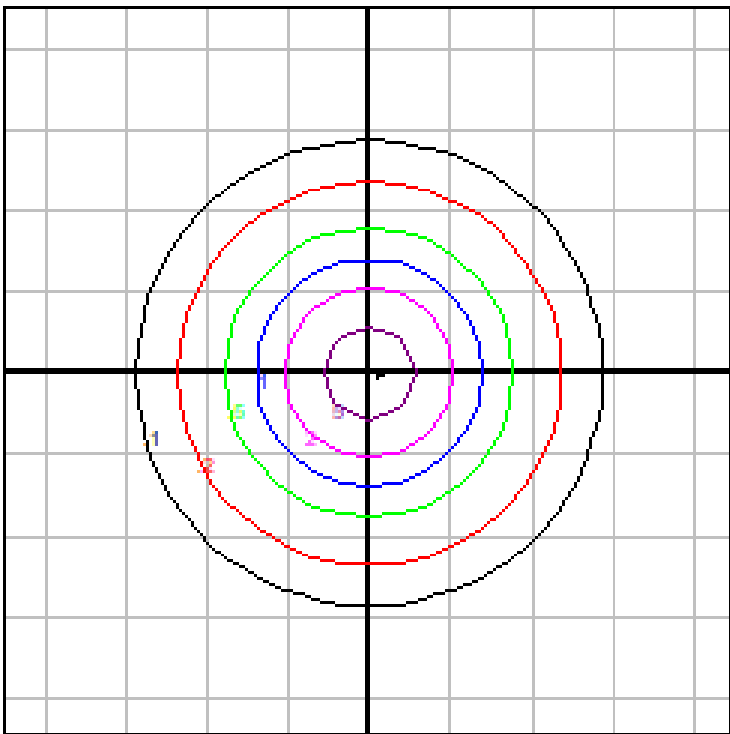


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3429
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.84 ft (Diameter)
Luminous Height	0.34 ft

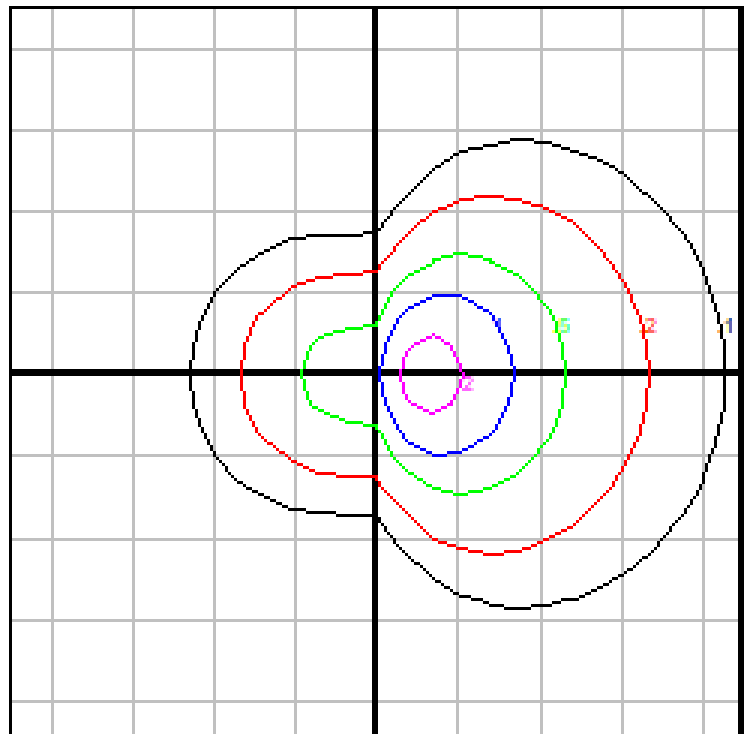
Zonal Lumen Summary

Zone	Lumens
0-10	82.20
10-20	236.29
20-30	360.89
30-40	441.03
40-50	467.27
50-60	436.73
60-70	354.08
70-80	235.30
80-90	123.40
90-100	86.62
100-110	90.50
110-120	97.36
120-130	101.91
130-140	99.82
140-150	89.54
150-160	71.08
160-170	42.86
170-180	12.12



Mounting Height: 10 ft.

Grid Spacing: 10 ft.



Mounting Height: 10 ft.

Grid Spacing: 10 ft.

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

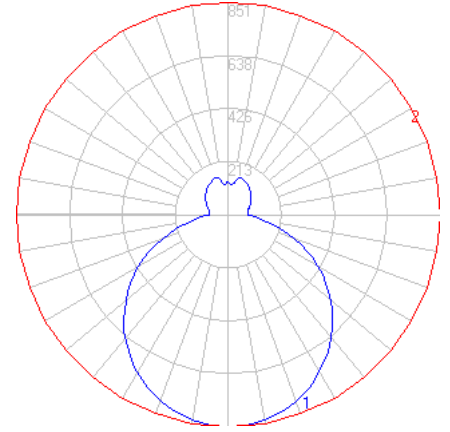
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

06/30/20

BEGA

File: 12162K3_BEGA_IES.ies

TEST: BE_12162K4
 TEST LAB: BEGA
 DATE: 02/15/2019
 LUMINAIRE: 12 162K3
 LAMP: 37.8W LED

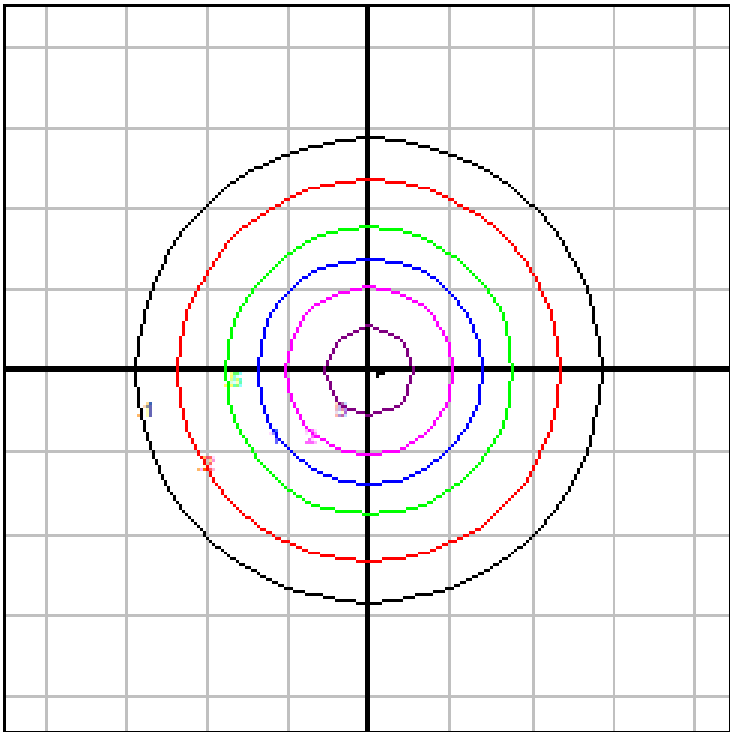


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3359
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.84 ft (Diameter)
Luminous Height	0.34 ft

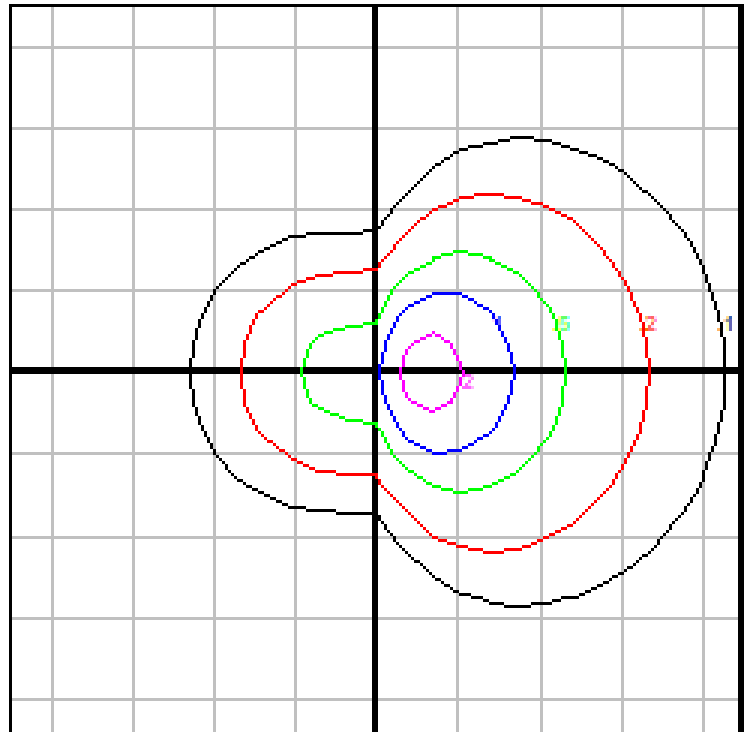
Zonal Lumen Summary

Zone	Lumens
0-10	80.52
10-20	231.46
20-30	353.53
30-40	432.03
40-50	457.74
50-60	427.81
60-70	346.86
70-80	230.50
80-90	120.88
90-100	84.85
100-110	88.65
110-120	95.38
120-130	99.83
130-140	97.78
140-150	87.71
150-160	69.63
160-170	41.99
170-180	11.88



Mounting Height: 10 ft.

Grid Spacing: 10 ft.



Mounting Height: 10 ft.

Grid Spacing: 10 ft.

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

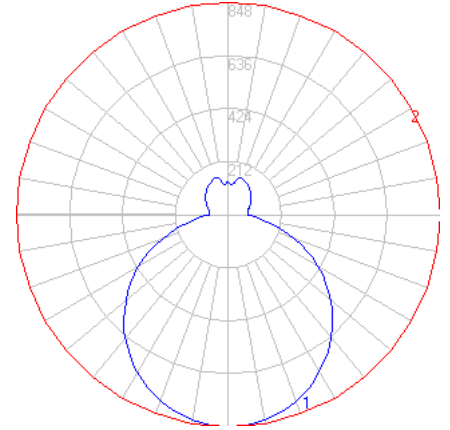
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

06/30/20

BEGA

File: 12162K27_BEGA_IES.ies

TEST: BE_12162K4
TEST LAB: BEGA
DATE: 02/15/2019
LUMINAIRE: 12 162K27
LAMP: 37.8W LED

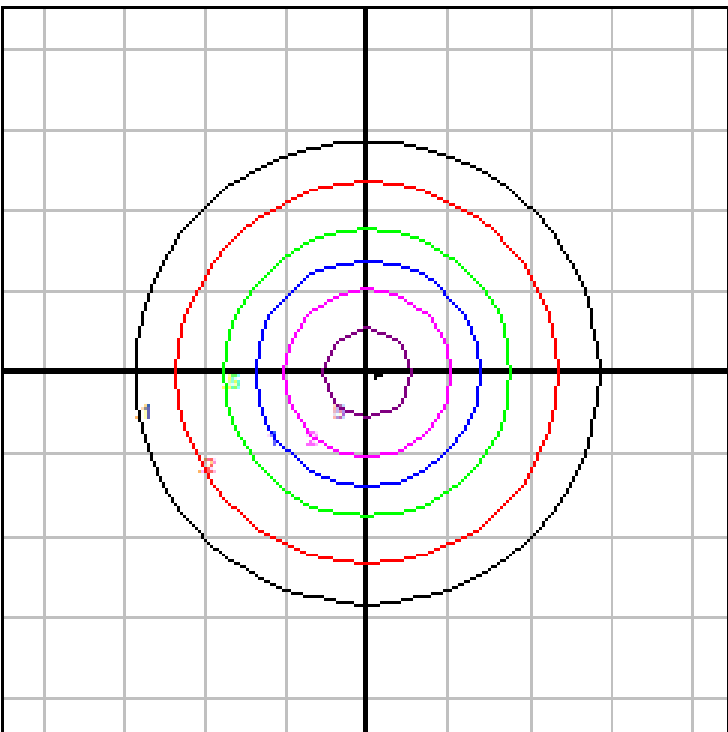


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3349
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.42
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.84 ft (Diameter)
Luminous Height	0.34 ft

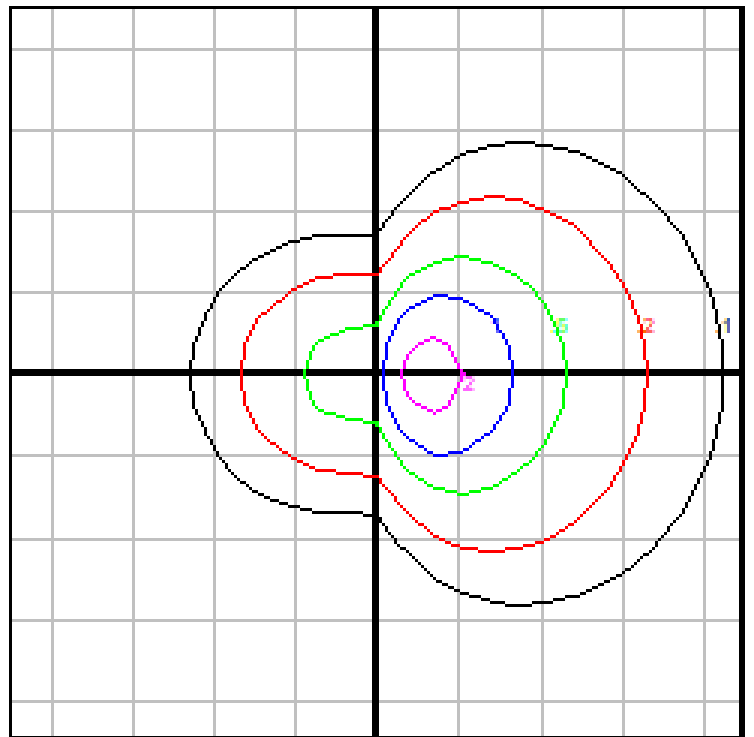
Zonal Lumen Summary

Zone	Lumens
0-10	80.27
10-20	230.74
20-30	352.42
30-40	430.68
40-50	456.31
50-60	426.48
60-70	345.77
70-80	229.78
80-90	120.51
90-100	84.59
100-110	88.37
110-120	95.08
120-130	99.52
130-140	97.48
140-150	87.44
150-160	69.41
160-170	41.86
170-180	11.84



Mounting Height: 10 ft.

Grid Spacing: 10 ft.



Mounting Height: 10 ft.

Grid Spacing: 10 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

06/30/20