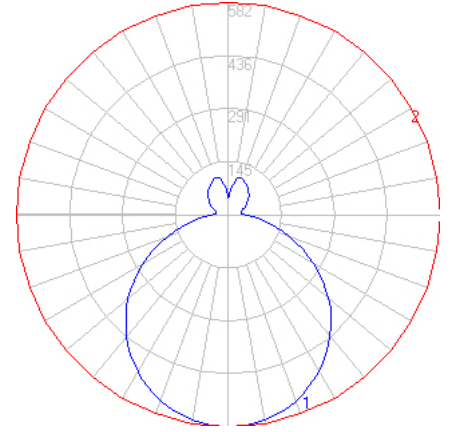


BEGA

File: 12163K4_BEGA_IES.ies

TEST: BE_12163K4
 TEST LAB: BEGA
 DATE: 12/14/2017
 LUMINAIRE: 12 163K4
 LAMP: 25.2W LED

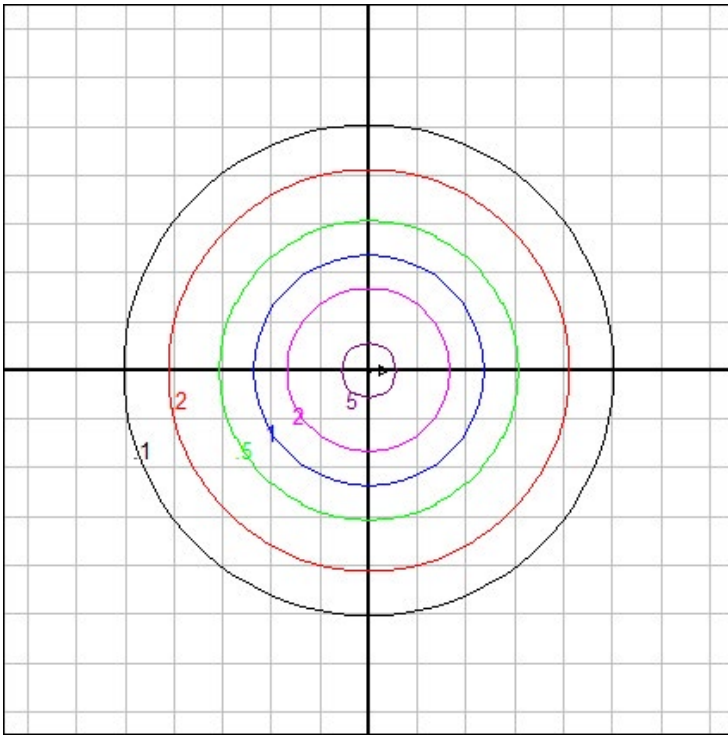


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2206
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	29
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.38 ft (Diameter)
Luminous Height	0.29 ft

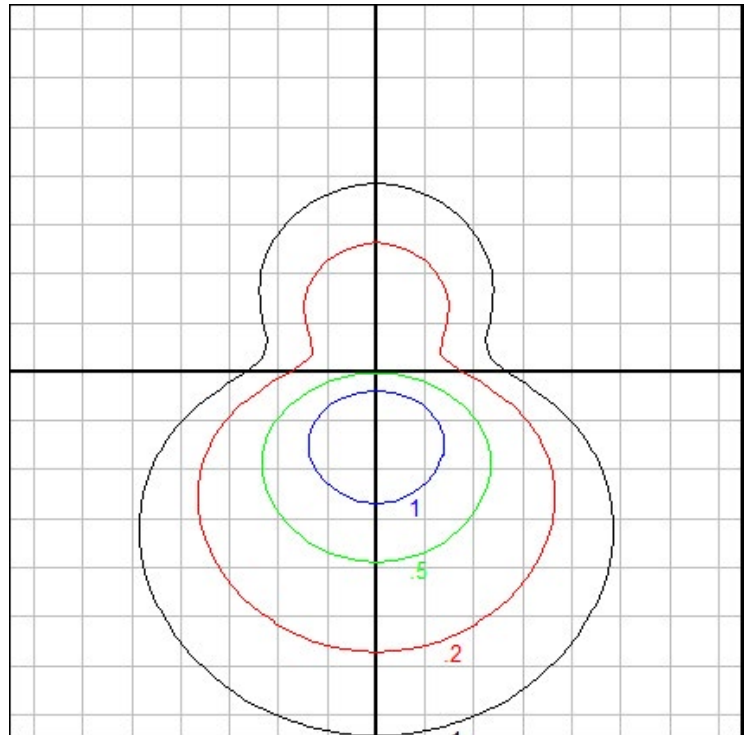
Zonal Lumen Summary

Zone	Lumens
0-10	56.02
10-20	160.84
20-30	245.05
30-40	298.09
40-50	313.29
50-60	288.48
60-70	227.50
70-80	145.53
80-90	74.32
90-100	41.47
100-110	40.69
110-120	50.46
120-130	59.06
130-140	62.01
140-150	58.16
150-160	47.77
160-170	29.71
170-180	7.18



Mounting Height: 10 ft.

Grid Spacing: 5 ft.



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

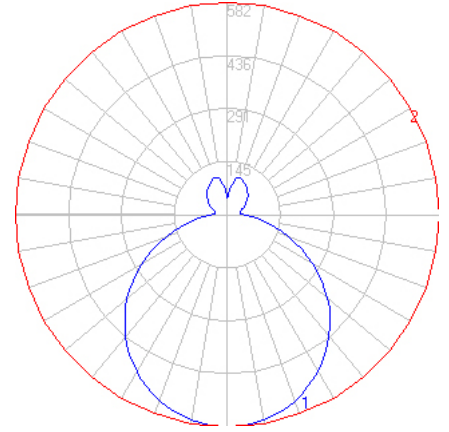
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BEGA

File: 12163K35_BEGA_IES.ies

TEST: BE_12163K4
 TEST LAB: BEGA
 DATE: 12/14/2017
 LUMINAIRE: 12 163K35
 LAMP: 25.2W LED

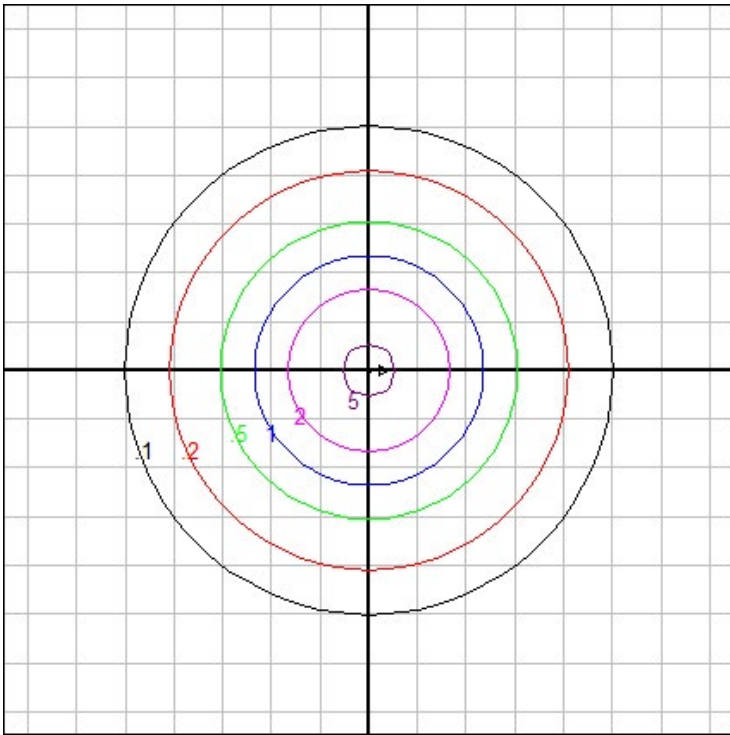


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2166
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	29
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.38 ft (Diameter)
Luminous Height	0.29 ft

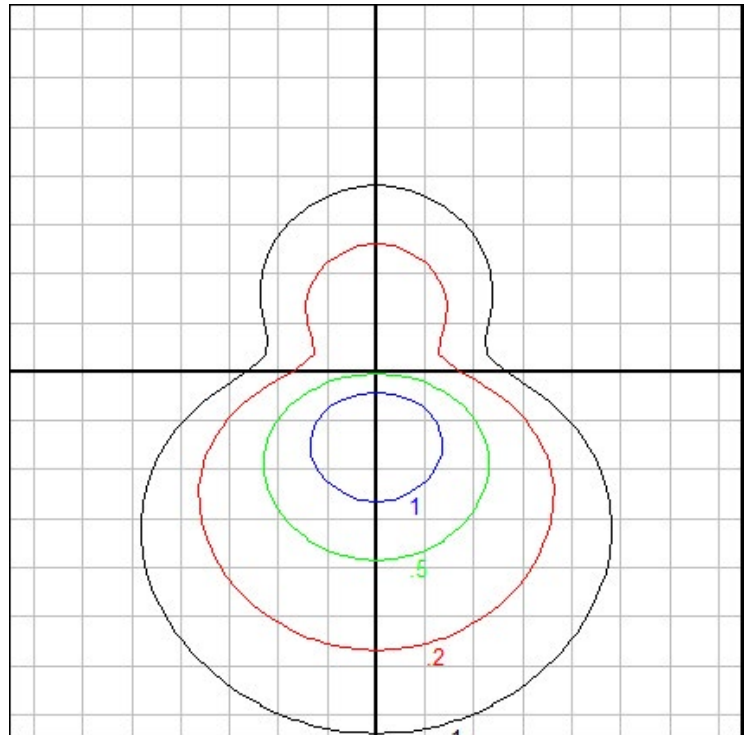
Zonal Lumen Summary

Zone	Lumens
0-10	55.01
10-20	157.95
20-30	240.64
30-40	292.72
40-50	307.65
50-60	283.29
60-70	223.41
70-80	142.91
80-90	72.98
90-100	40.73
100-110	39.96
110-120	49.55
120-130	58.00
130-140	60.89
140-150	57.11
150-160	46.91
160-170	29.18
170-180	7.05



Mounting Height: 10 ft.

Grid Spacing: 3 ft.



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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

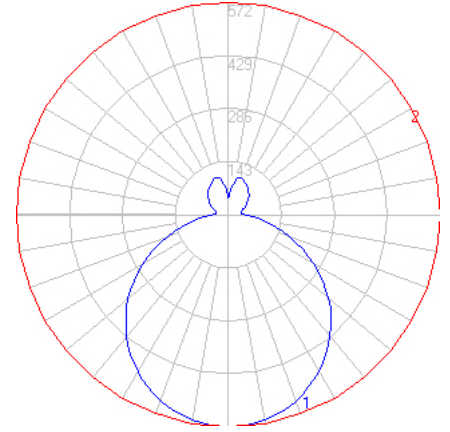
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BEGA

File: 12163K3_BEGA_IES.ies

TEST: BE_12163K4
 TEST LAB: BEGA
 DATE: 12/14/2017
 LUMINAIRE: 12 163K3
 LAMP: 25.2W LED

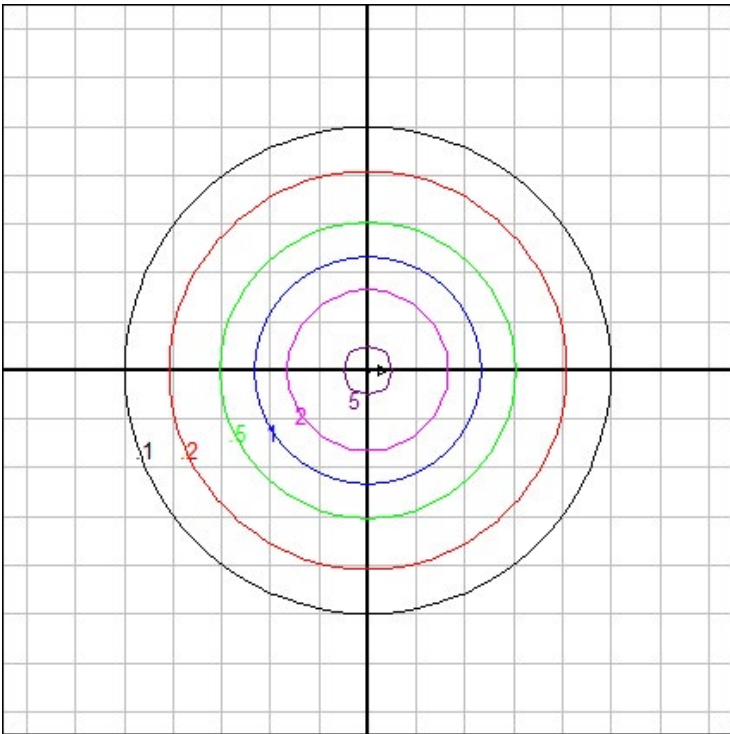


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2128
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	29
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.38 ft (Diameter)
Luminous Height	0.29 ft

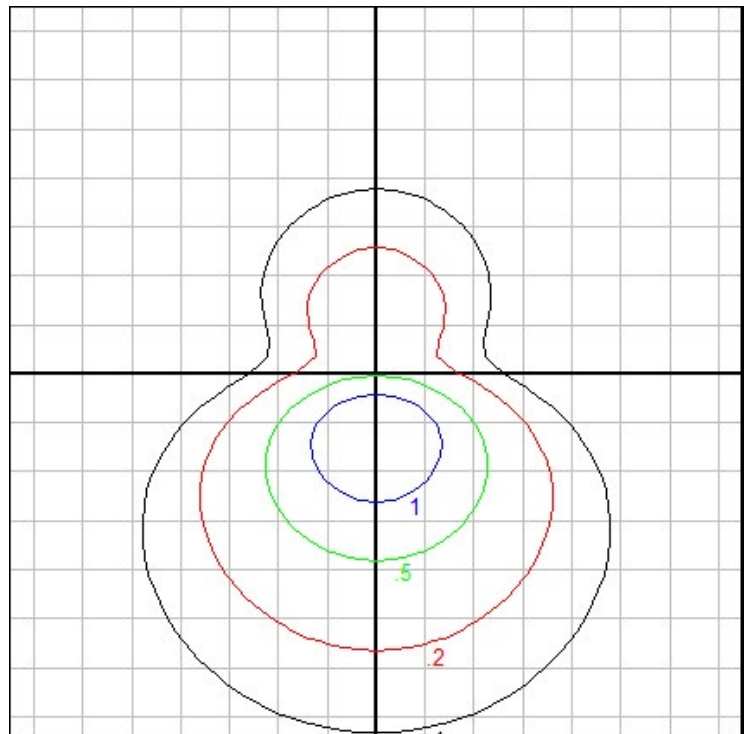
Zonal Lumen Summary

Zone	Lumens
0-10	54.06
10-20	155.21
20-30	236.47
30-40	287.66
40-50	302.33
50-60	278.39
60-70	219.54
70-80	140.43
80-90	71.71
90-100	40.02
100-110	39.27
110-120	48.69
120-130	56.99
130-140	59.84
140-150	56.13
150-160	46.10
160-170	28.67
170-180	6.93



Mounting Height: 10 ft.

Grid Spacing: 3 ft.



Mounting Height: 10 ft.

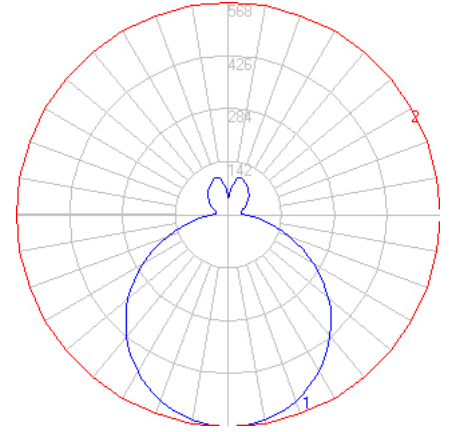
Grid Spacing: 5 ft.

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

BEGA

File:12163K27_BEGA_IES.ies

TEST: BE_12163K4
 TEST LAB: BEGA
 DATE: 12/14/2017
 LUMINAIRE: 12 163K27
 LAMP: 25.2W LED

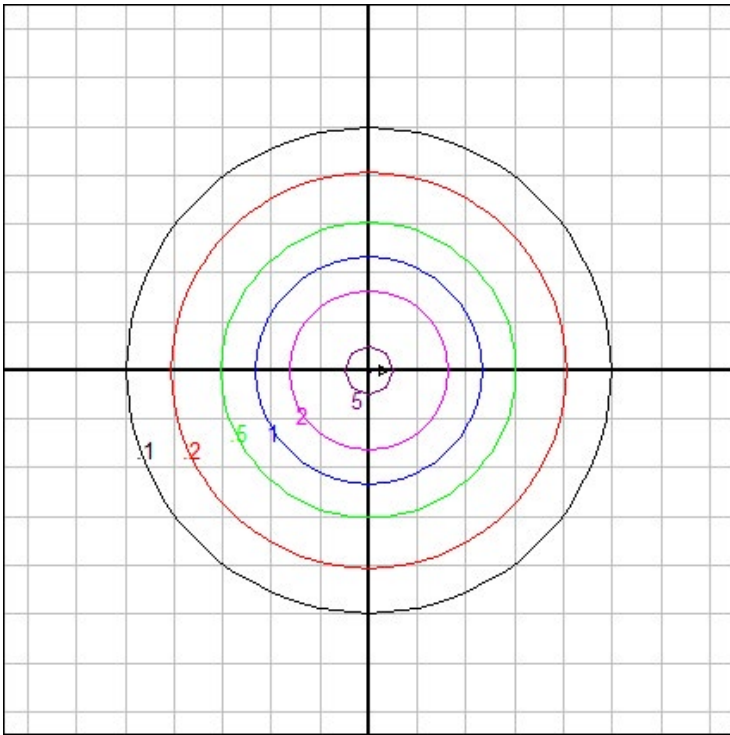


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2113
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	73
Total Luminaire Watts	29
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.38 ft (Diameter)
Luminous Height	0.29 ft

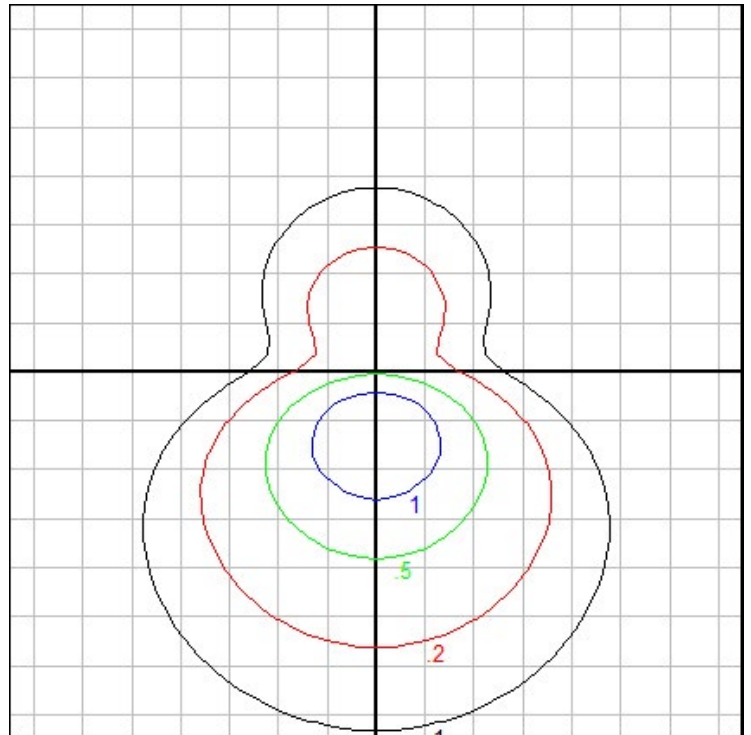
Zonal Lumen Summary

Zone	Lumens
0-10	53.67
10-20	154.09
20-30	234.76
30-40	285.57
40-50	300.13
50-60	276.37
60-70	217.95
70-80	139.42
80-90	71.19
90-100	39.73
100-110	38.98
110-120	48.34
120-130	56.58
130-140	59.40
140-150	55.72
150-160	45.76
160-170	28.46
170-180	6.88



Mounting Height: 10 ft.

Grid Spacing: 3 ft.



Mounting Height: 10 ft.

Grid Spacing: 5 ft.

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