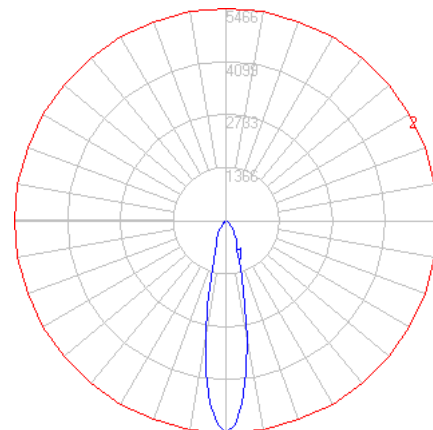


BEGA

File: 84715K4_BEGA_IES.ies

TEST: BE_84715K4
TEST LAB: BEGA
DATE: 03/25/2021
LUMINAIRE: 84 715K4
LAMP: 12.0W LED

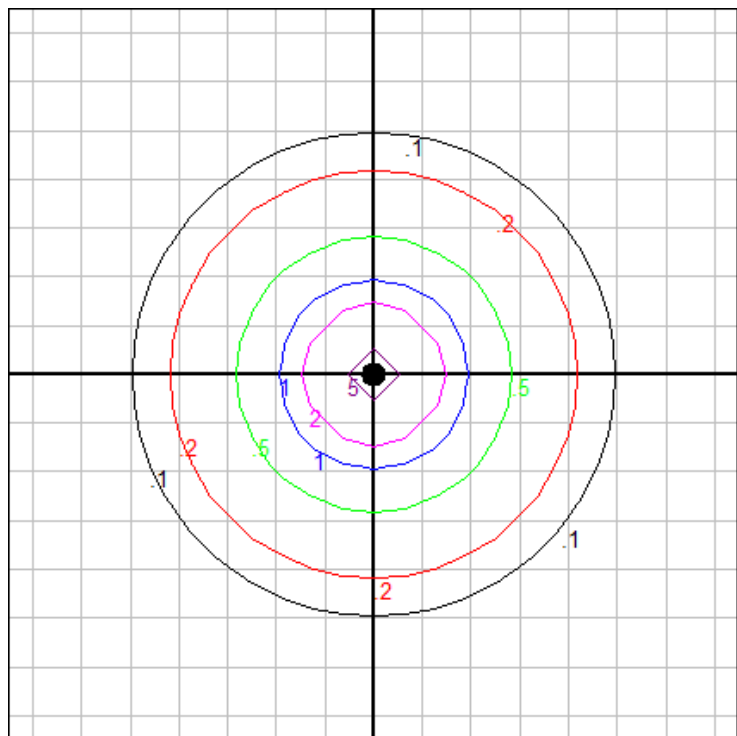


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	5465.731
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	22.0
Vertical Beam Angle (50%)	22.0
Horizontal Field Angle (10%)	54.5
Vertical Field Angle (10%)	54.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	456
Beam Efficiency	N.A.
Field Lumens	1030
Field Efficiency	N.A.
Spill Lumens	383
Luminaire Lumens	1412
Total Efficiency	N.A.
Total Luminaire Watts	14
Ballast Factor	1.00

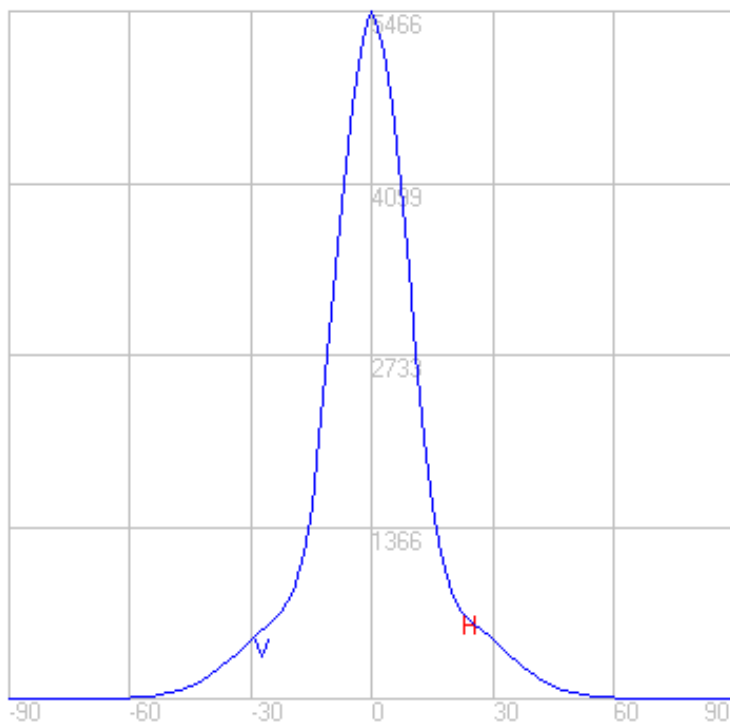
Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	843.77	N.A.	59.70
0-30	1126.11	N.A.	79.70
0-40	1323.7	N.A.	93.70
0-60	1412.12	N.A.	100.00
0-80	1412.54	N.A.	100.00
0-90	1412.54	N.A.	100.00
10-90	1015.53	N.A.	71.90
20-40	479.94	N.A.	34.00
20-50	554.68	N.A.	39.30
40-70	88.84	N.A.	6.30
60-80	0.42	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1412.54	N.A.	100.00



Setback: 30 ft.

Grid Spacing: 5 ft.



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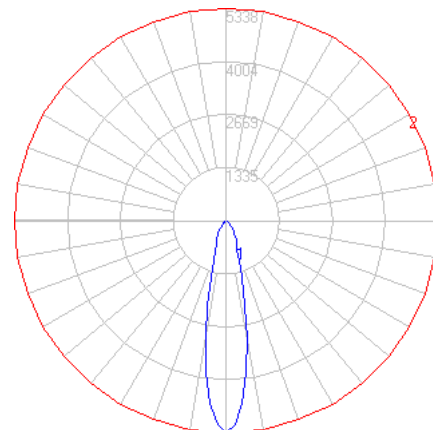
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File: 84715K35_BEGA_IES.ies

TEST: BE_84715K4
TEST LAB: BEGA
DATE: 03/25/2021
LUMINAIRE: 84 715K35
LAMP: 12.0W LED

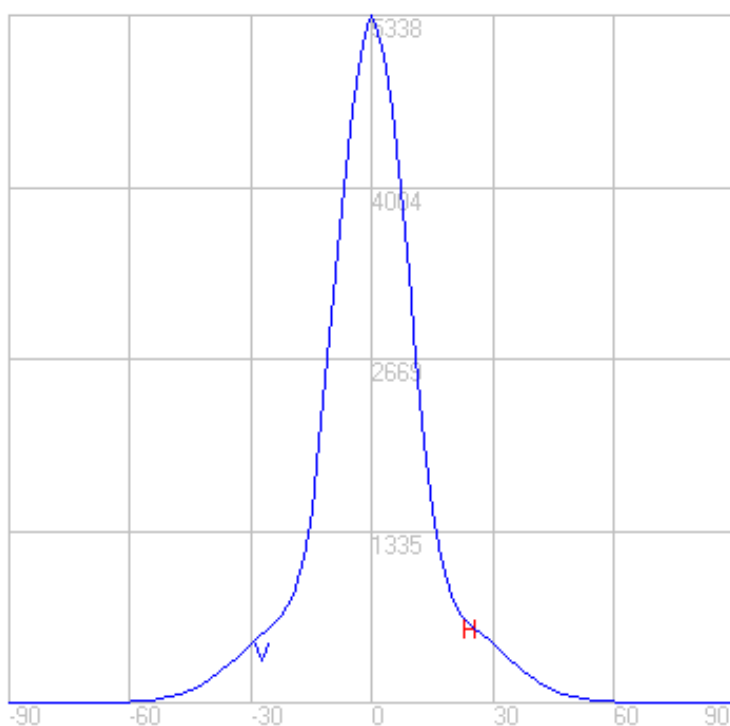
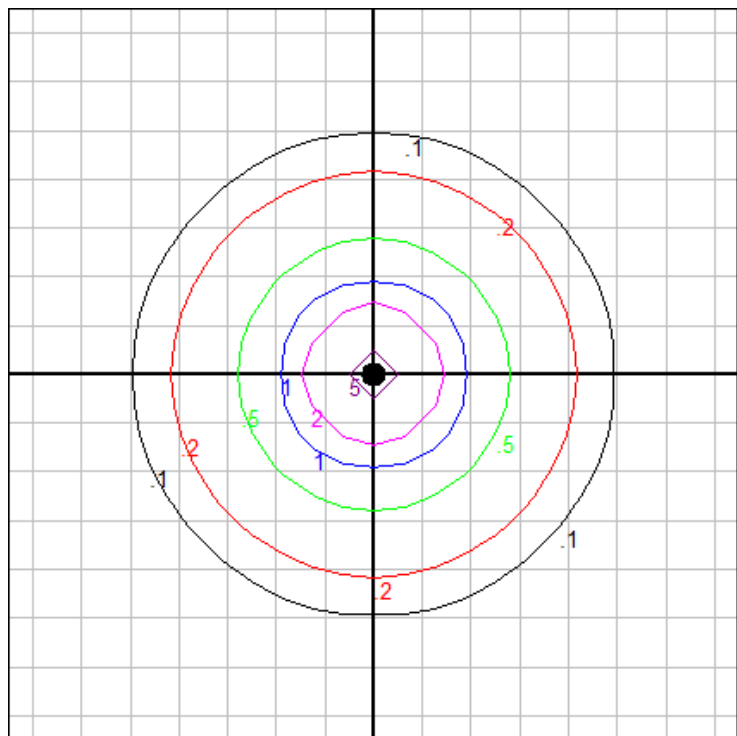


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	5338.027
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	22.0
Vertical Beam Angle (50%)	22.0
Horizontal Field Angle (10%)	54.5
Vertical Field Angle (10%)	54.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	445
Beam Efficiency	N.A.
Field Lumens	1006
Field Efficiency	N.A.
Spill Lumens	374
Luminaire Lumens	1379
Total Efficiency	N.A.
Total Luminaire Watts	14
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	824.05	N.A.	59.70
0-30	1099.8	N.A.	79.70
0-40	1292.77	N.A.	93.70
0-60	1379.13	N.A.	100.00
0-80	1379.54	N.A.	100.00
0-90	1379.54	N.A.	100.00
10-90	991.81	N.A.	71.90
20-40	468.72	N.A.	34.00
20-50	541.72	N.A.	39.30
40-70	86.76	N.A.	6.30
60-80	0.41	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1379.54	N.A.	100.00



Setback: 30 ft.

Grid Spacing: 5 ft.

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

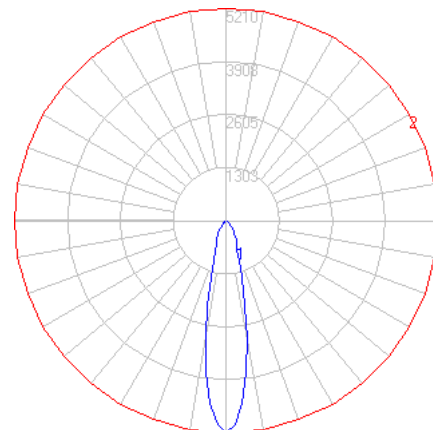
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File: 84715K3_BEGA_IES.ies

TEST: BE_84715K4
TEST LAB: BEGA
DATE: 03/25/2021
LUMINAIRE: 84 715K3
LAMP: 12.0W LED

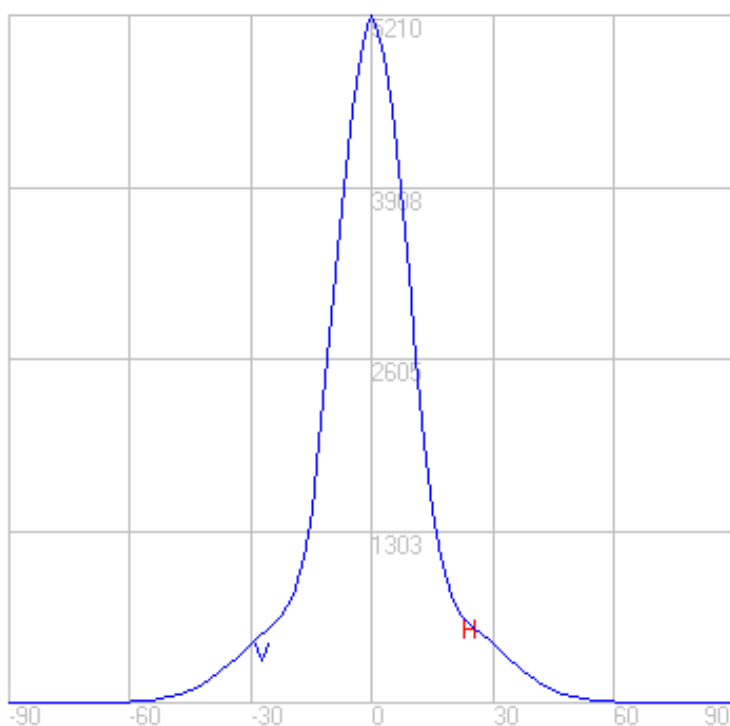
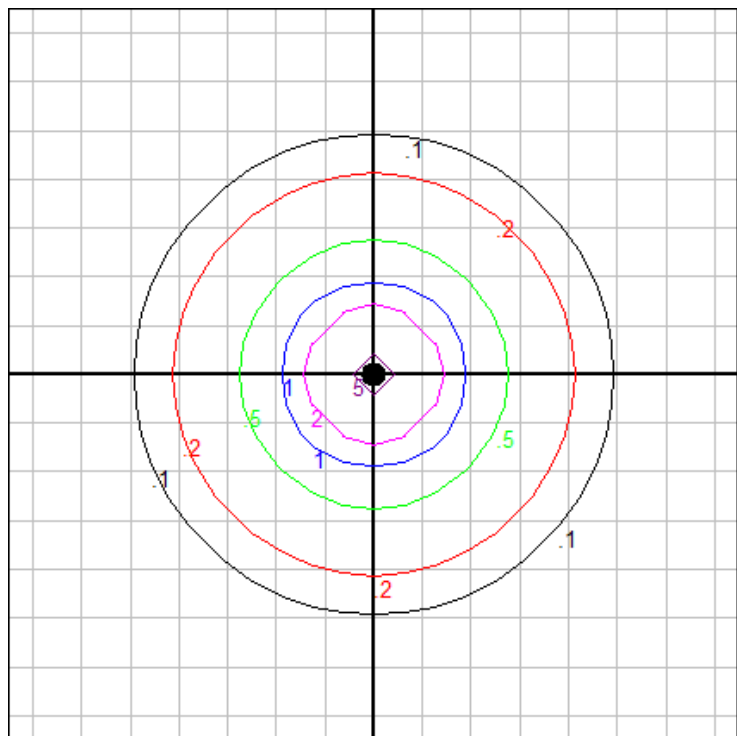


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	5210.323
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	22.0
Vertical Beam Angle (50%)	22.0
Horizontal Field Angle (10%)	54.5
Vertical Field Angle (10%)	54.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	435
Beam Efficiency	N.A.
Field Lumens	982
Field Efficiency	N.A.
Spill Lumens	365
Luminaire Lumens	1346
Total Efficiency	N.A.
Total Luminaire Watts	14
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	804.34	N.A.	59.70
0-30	1073.49	N.A.	79.70
0-40	1261.85	N.A.	93.70
0-60	1346.14	N.A.	100.00
0-80	1346.53	N.A.	100.00
0-90	1346.53	N.A.	100.00
10-90	968.08	N.A.	71.90
20-40	457.51	N.A.	34.00
20-50	528.76	N.A.	39.30
40-70	84.69	N.A.	6.30
60-80	0.40	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1346.53	N.A.	100.00



Setback: 30 ft.

Grid Spacing: 5 ft.

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

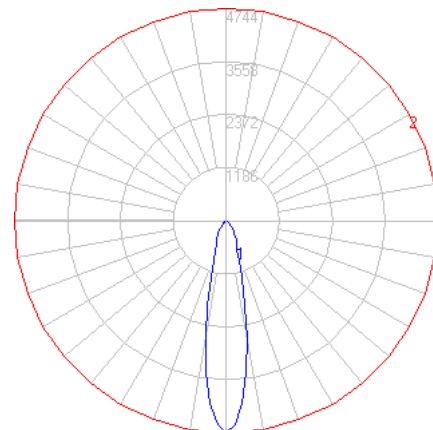
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File: 84715K27_BEGA_IES.ies

TEST: BE_84715K4
TEST LAB: BEGA
DATE: 03/25/2021
LUMINAIRE: 84 715K27
LAMP: 12.0W LED

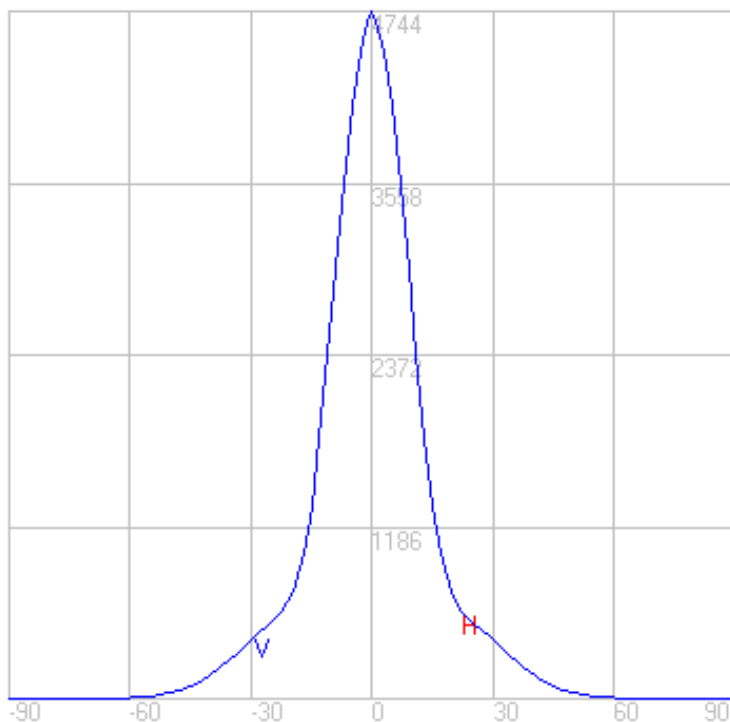
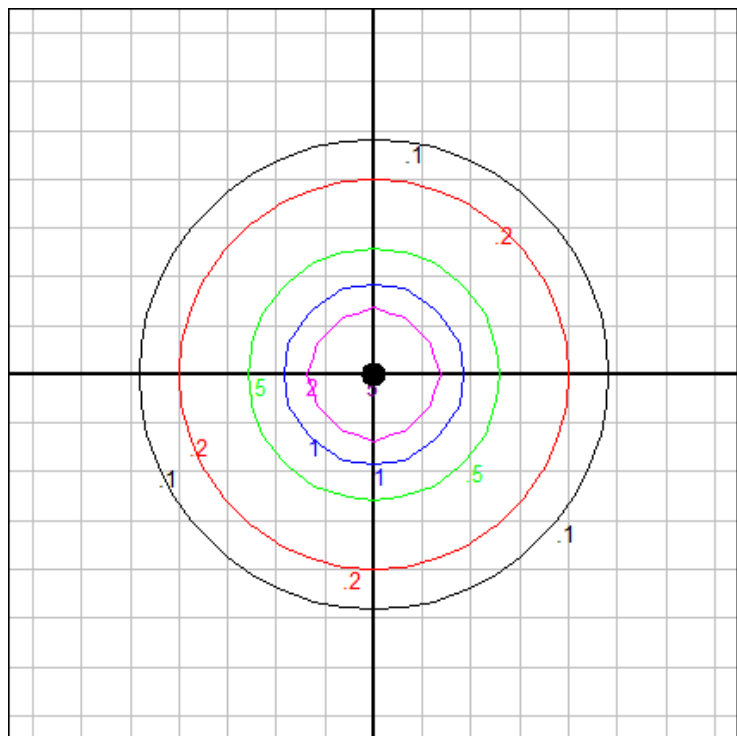


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	4744.203
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	22.0
Vertical Beam Angle (50%)	22.0
Horizontal Field Angle (10%)	54.5
Vertical Field Angle (10%)	54.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	396
Beam Efficiency	N.A.
Field Lumens	894
Field Efficiency	N.A.
Spill Lumens	332
Luminaire Lumens	1226
Total Efficiency	N.A.
Total Luminaire Watts	14
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens	%Lamp	%Fixt
0-20	732.38	N.A.	59.70
0-30	977.45	N.A.	79.70
0-40	1148.96	N.A.	93.70
0-60	1225.71	N.A.	100.00
0-80	1226.07	N.A.	100.00
0-90	1226.07	N.A.	100.00
10-90	881.47	N.A.	71.90
20-40	416.58	N.A.	34.00
20-50	481.45	N.A.	39.30
40-70	77.11	N.A.	6.30
60-80	0.36	N.A.	0.00
70-80	0.00	N.A.	0.00
80-90	0.00	N.A.	0.00
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	1226.07	N.A.	100.00



Setback: 30 ft.

Grid Spacing: 5 ft.

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