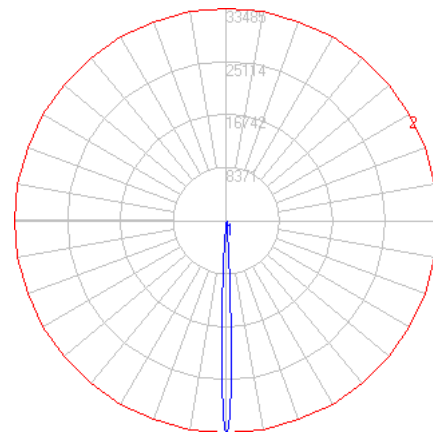


BEGA

File: 84660K4_BEGA_IES.ies

TEST: BE_84660K4
TEST LAB: BEGA
DATE: 12/13/2019
LUMINAIRE: 84 660K4
LAMP: 7.0W LED

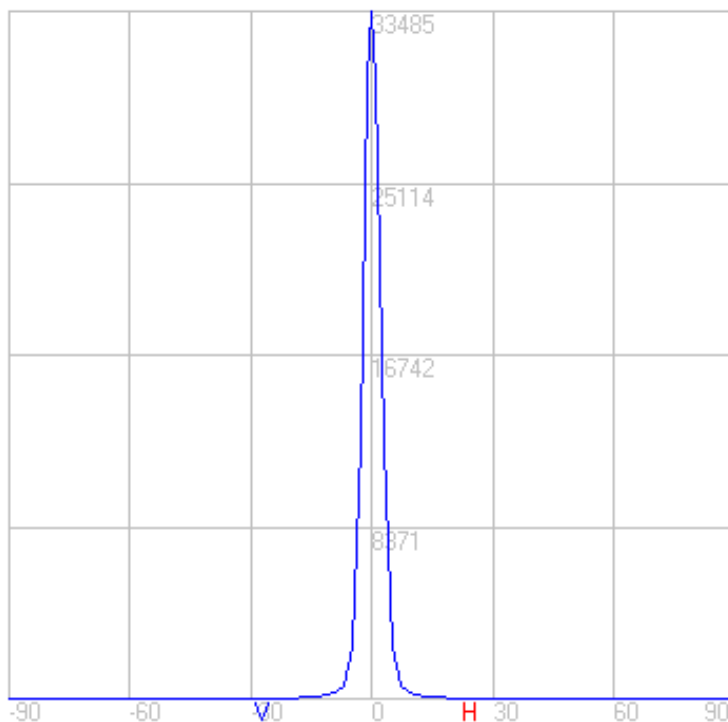
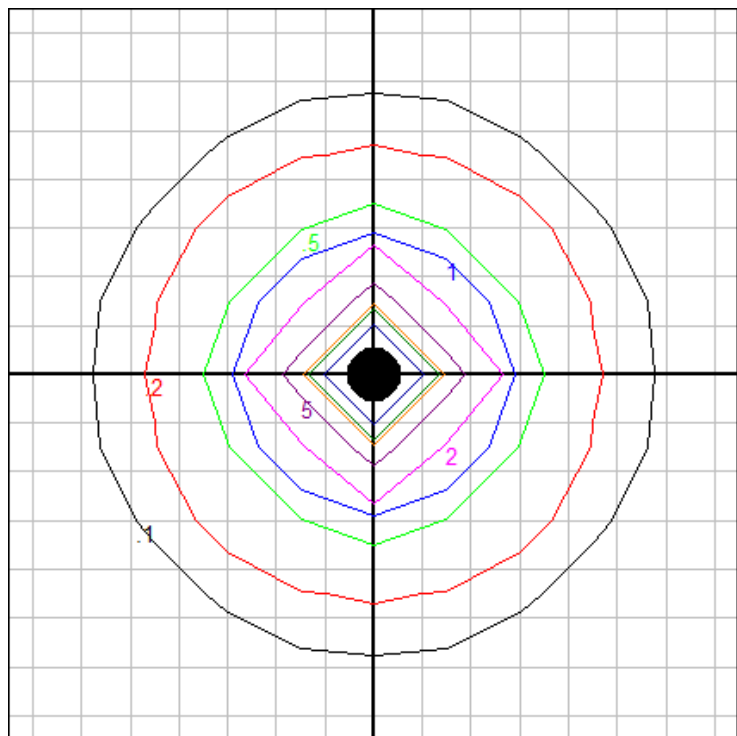


Characteristics

NEMA Type	0 H x 0 V
Maximum Candela	33484.718
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	5.0
Vertical Beam Angle (50%)	5.0
Horizontal Field Angle (10%)	9.7
Vertical Field Angle (10%)	9.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	135
Beam Efficiency	N.A.
Field Lumens	286
Field Efficiency	N.A.
Spill Lumens	79
Luminaire Lumens	365
Total Efficiency	N.A.
Total Luminaire Watts	10
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	324.34
10-20	22.80
20-30	5.15
30-40	0.07
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
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: 15 ft.

Grid Spacing: 1 ft.

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

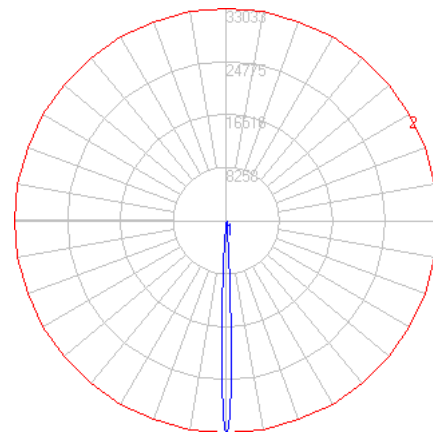
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BEGA

File: 84660K35_BEGA_IES.ies

TEST: BE_84660K4
TEST LAB: BEGA
DATE: 12/13/2019
LUMINAIRE: 84 660K35
LAMP: 7.0W LED

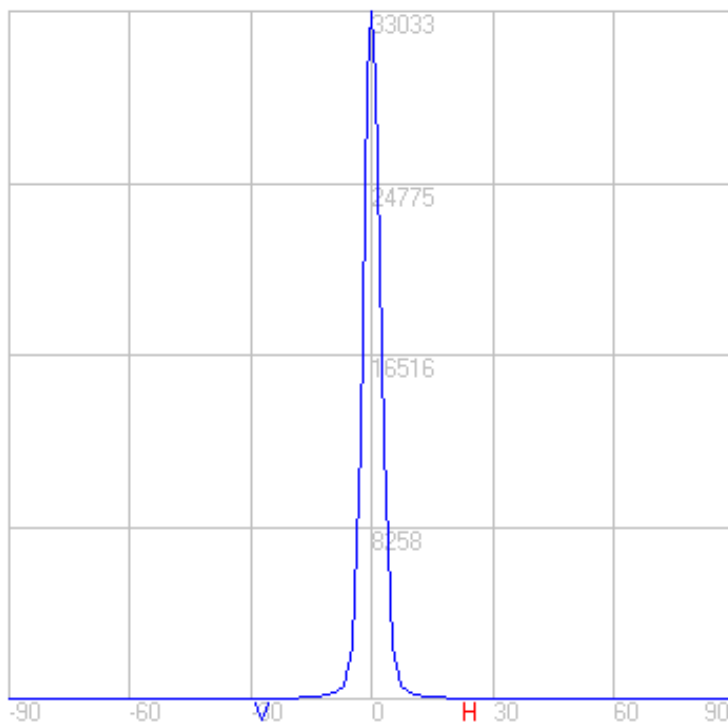
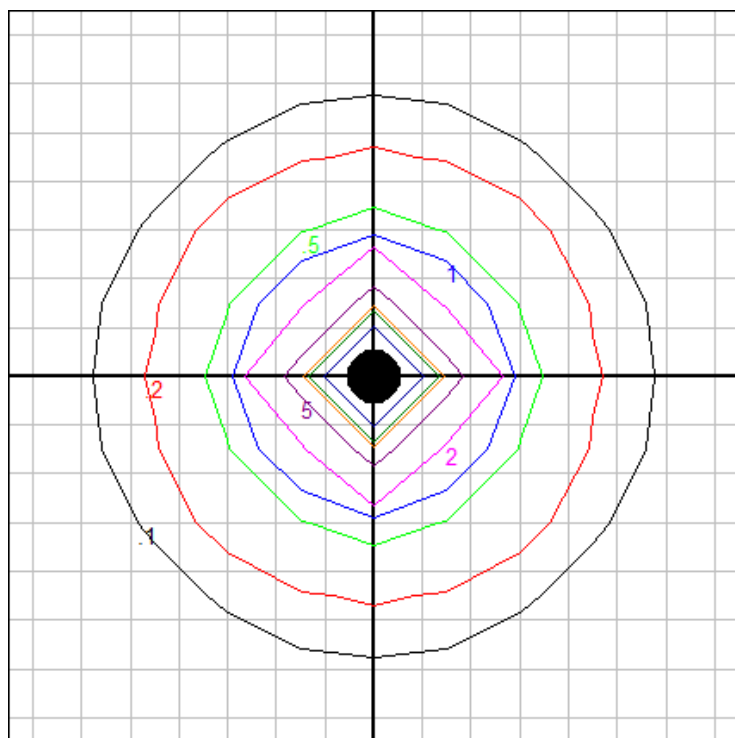


Characteristics

NEMA Type	0 H x 0 V
Maximum Candela	33032.73
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	5.0
Vertical Beam Angle (50%)	5.0
Horizontal Field Angle (10%)	9.7
Vertical Field Angle (10%)	9.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	133
Beam Efficiency	N.A.
Field Lumens	282
Field Efficiency	N.A.
Spill Lumens	78
Luminaire Lumens	360
Total Efficiency	N.A.
Total Luminaire Watts	10
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	319.96
10-20	22.49
20-30	5.08
30-40	0.06
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
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: 15 ft.

Grid Spacing: 1 ft.

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

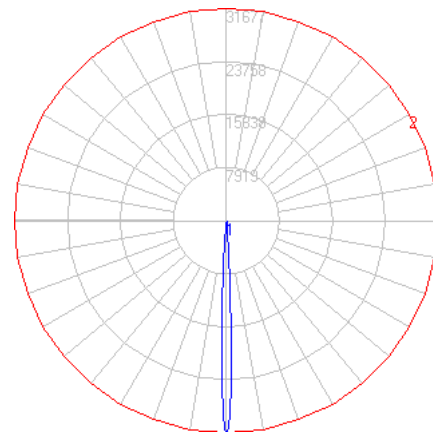
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File: 84660K3_BEGA_IES.ies

TEST: BE_84660K4
TEST LAB: BEGA
DATE: 12/13/2019
LUMINAIRE: 84 660K3
LAMP: 7.0W LED

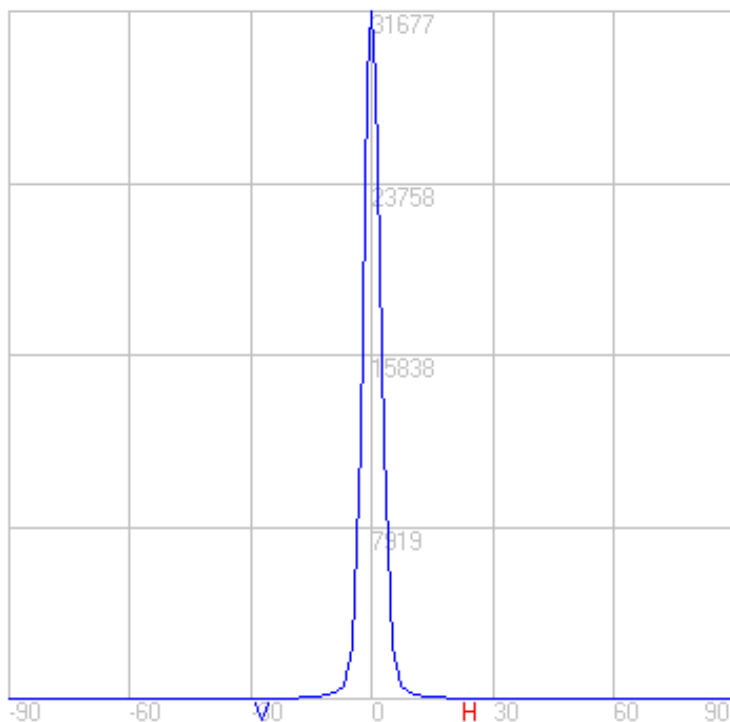
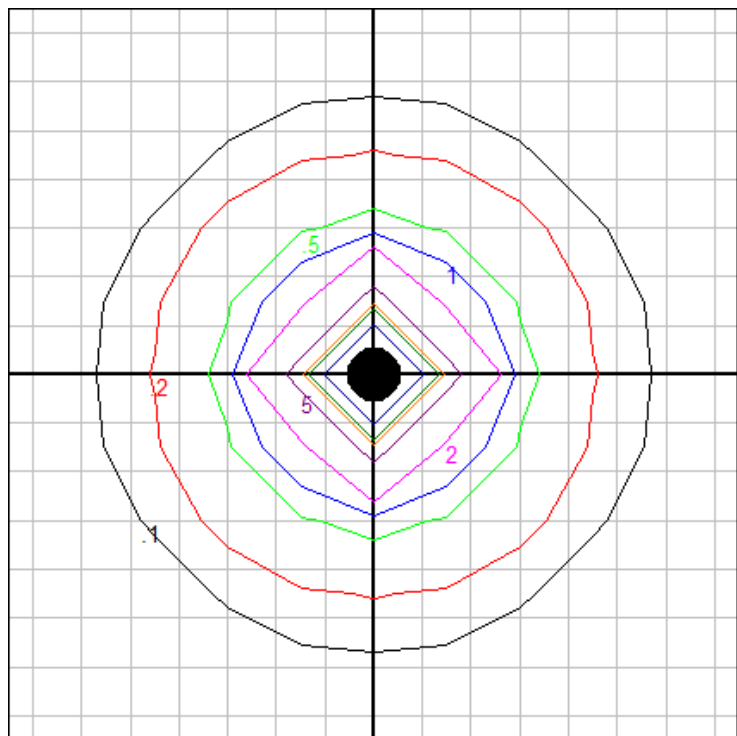


Characteristics

NEMA Type	0 H x 0 V
Maximum Candela	31676.77
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	5.0
Vertical Beam Angle (50%)	5.0
Horizontal Field Angle (10%)	9.7
Vertical Field Angle (10%)	9.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	128
Beam Efficiency	N.A.
Field Lumens	270
Field Efficiency	N.A.
Spill Lumens	75
Luminaire Lumens	345
Total Efficiency	N.A.
Total Luminaire Watts	10
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	306.83
10-20	21.57
20-30	4.87
30-40	0.06
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
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: 15 ft.

Grid Spacing: 1 ft.

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

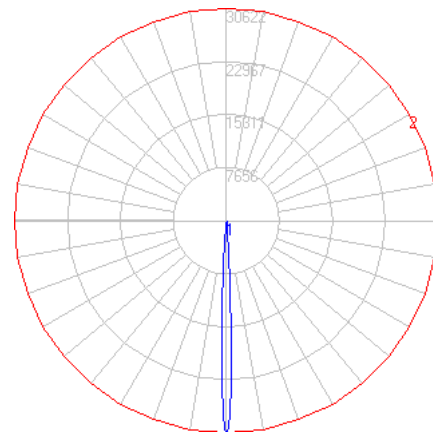
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BEGA

File: 84660K27_BEGA_IES.ies

TEST: BE_84660K4
TEST LAB: BEGA
DATE: 12/13/2019
LUMINAIRE: 84 660K27
LAMP: 7.0W LED

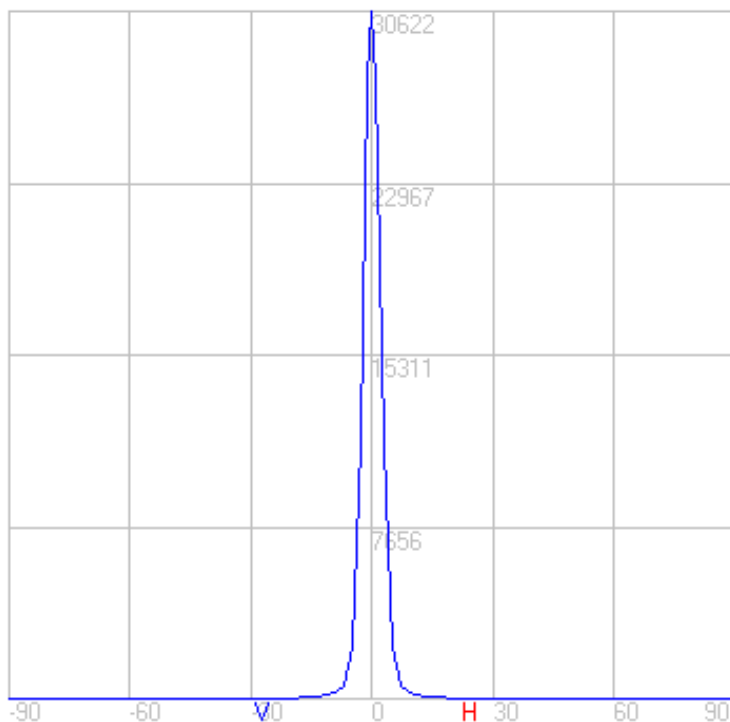
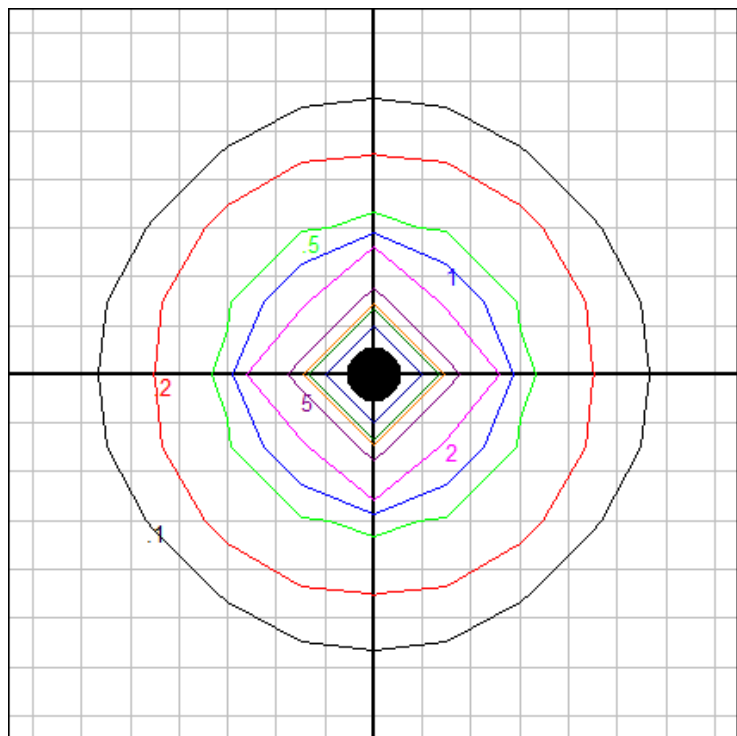


Characteristics

NEMA Type	0 H x 0 V
Maximum Candela	30622.134
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	5.0
Vertical Beam Angle (50%)	5.0
Horizontal Field Angle (10%)	9.7
Vertical Field Angle (10%)	9.7
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	123
Beam Efficiency	N.A.
Field Lumens	261
Field Efficiency	N.A.
Spill Lumens	73
Luminaire Lumens	334
Total Efficiency	N.A.
Total Luminaire Watts	10
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	296.61
10-20	20.85
20-30	4.71
30-40	0.06
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.00
80-90	0.00
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: 15 ft.

Grid Spacing: 1 ft.

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