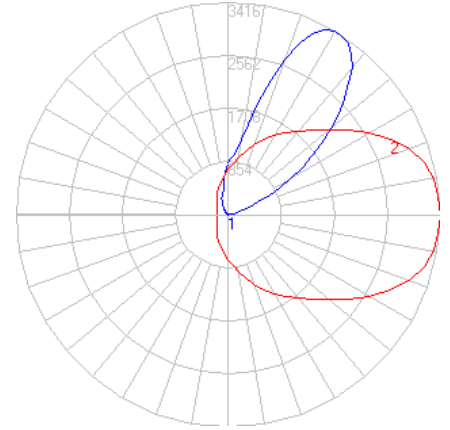


BEGA

File: 84231K4_BEGA_IES.ies

TEST: BE_84231K4
TEST LAB: BEGA
DATE: 8/27/2018
LUMINAIRE: 84 231K4
LAMP: 27.4W LED

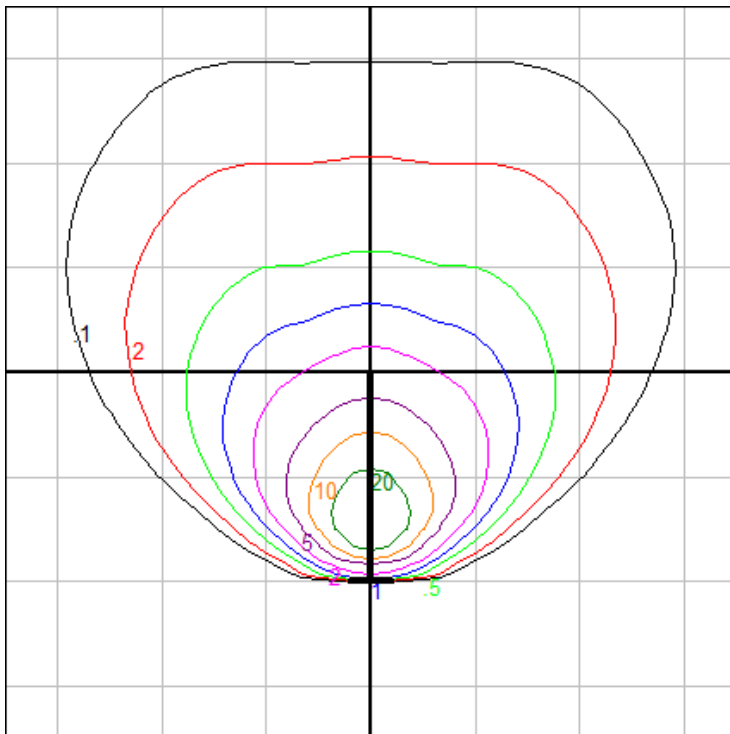


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	3405.9
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	54.8
Vertical Beam Angle (50%)	40.6
Horizontal Field Angle (10%)	102.6
Vertical Field Angle (10%)	87.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1296
Beam Efficiency	N.A.
Field Lumens	2654
Field Efficiency	N.A.
Spill Lumens	288
Luminaire Lumens	2941
Total Efficiency	N.A.
Total Luminaire Watts	32
Ballast Factor	1.00

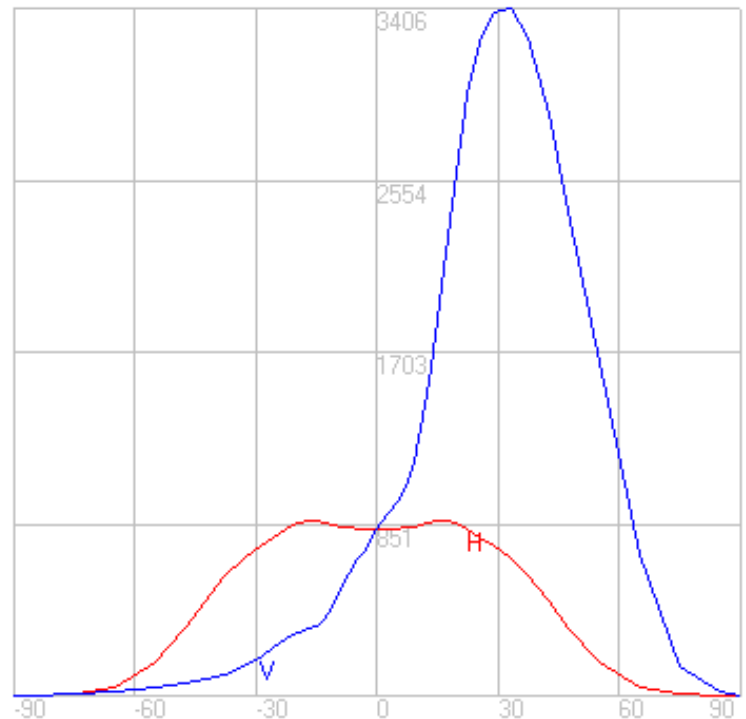
Zonal Lumen Summary

Zone	Lumens
0-10	79.23
10-20	268.33
20-30	543.59
30-40	697.85
40-50	642.90
50-60	437.81
60-70	198.00
70-80	52.77
80-90	8.61
90-100	0.18
100-110	0.06
110-120	0.02
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Setback: 5 ft.

Grid Spacing: 7.5 ft.



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

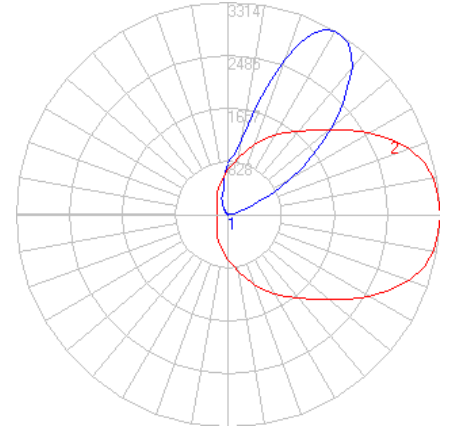
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BEGA

File: 84231K35_BEGA_IES.ies

TEST: BE_84231K4
 TEST LAB: BEGA
 DATE: 8/27/2018
 LUMINAIRE: 84 231K35
 LAMP: 27.4W LED

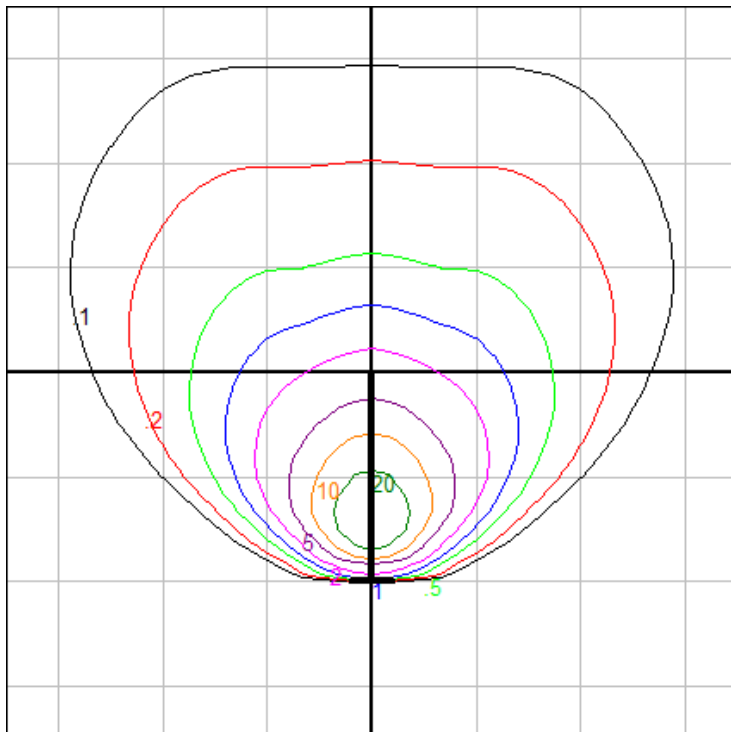


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	3303.762
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	54.8
Vertical Beam Angle (50%)	40.6
Horizontal Field Angle (10%)	102.6
Vertical Field Angle (10%)	87.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1258
Beam Efficiency	N.A.
Field Lumens	2574
Field Efficiency	N.A.
Spill Lumens	279
Luminaire Lumens	2853
Total Efficiency	N.A.
Total Luminaire Watts	32
Ballast Factor	1.00

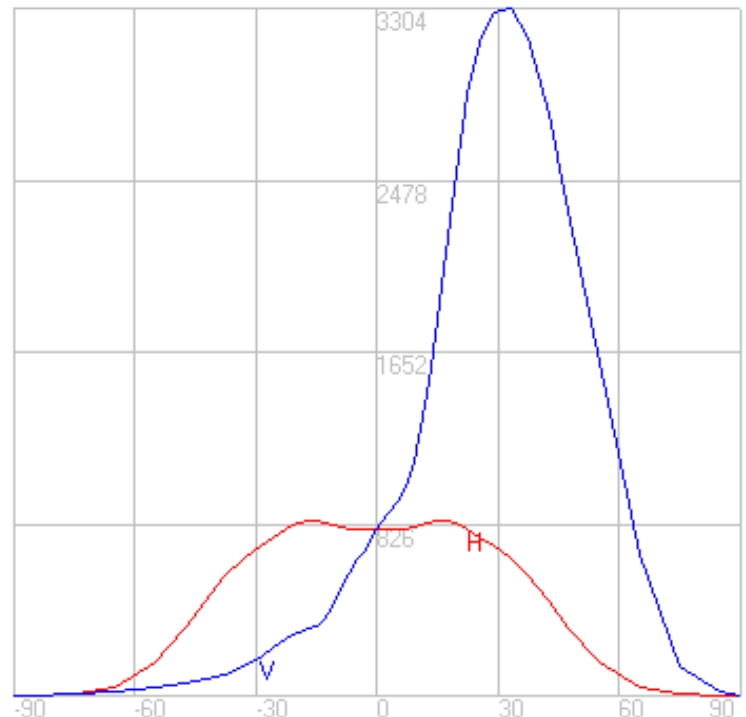
Zonal Lumen Summary

Zone	Lumens
0-10	76.85
10-20	260.28
20-30	527.27
30-40	676.90
40-50	623.61
50-60	424.67
60-70	192.05
70-80	51.17
80-90	8.34
90-100	0.17
100-110	0.05
110-120	0.01
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Setback: 5 ft.

Grid Spacing: 7.5 ft.



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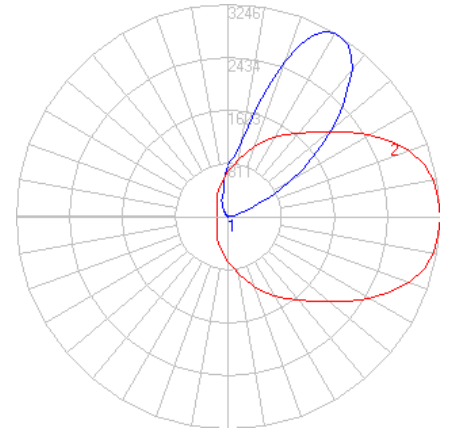
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BEGA

File: 84231K3_BEGA_IES.ies

TEST: BE_84231K4
TEST LAB: BEGA
DATE: 8/27/2018
LUMINAIRE: 84 231K3
LAMP: 27.4W LED

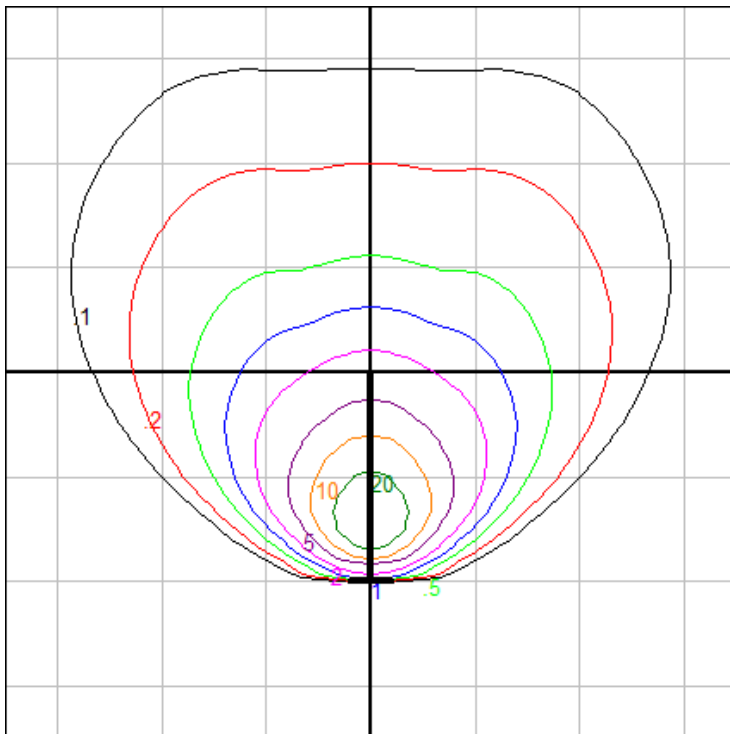


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	3235.643
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	54.8
Vertical Beam Angle (50%)	40.6
Horizontal Field Angle (10%)	102.6
Vertical Field Angle (10%)	87.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1232
Beam Efficiency	N.A.
Field Lumens	2521
Field Efficiency	N.A.
Spill Lumens	273
Luminaire Lumens	2794
Total Efficiency	N.A.
Total Luminaire Watts	32
Ballast Factor	1.00

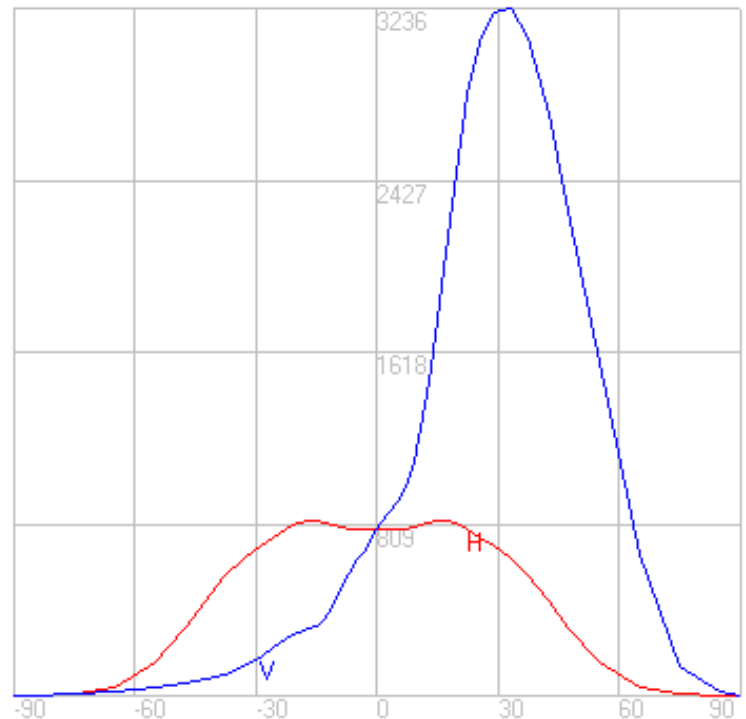
Zonal Lumen Summary

Zone	Lumens
0-10	75.27
10-20	254.91
20-30	516.40
30-40	662.95
40-50	610.75
50-60	415.91
60-70	188.09
70-80	50.12
80-90	8.17
90-100	0.16
100-110	0.05
110-120	0.01
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Setback: 5 ft.

Grid Spacing: 7.5 ft.



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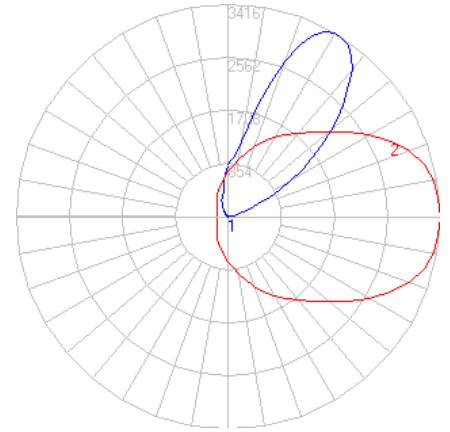
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BEGA

File: 84231K27_BEGA_IES.ies

TEST: BE_84231K4
TEST LAB: BEGA
DATE: 8/27/2018
LUMINAIRE: 84 231K27
LAMP: 27.4W LED

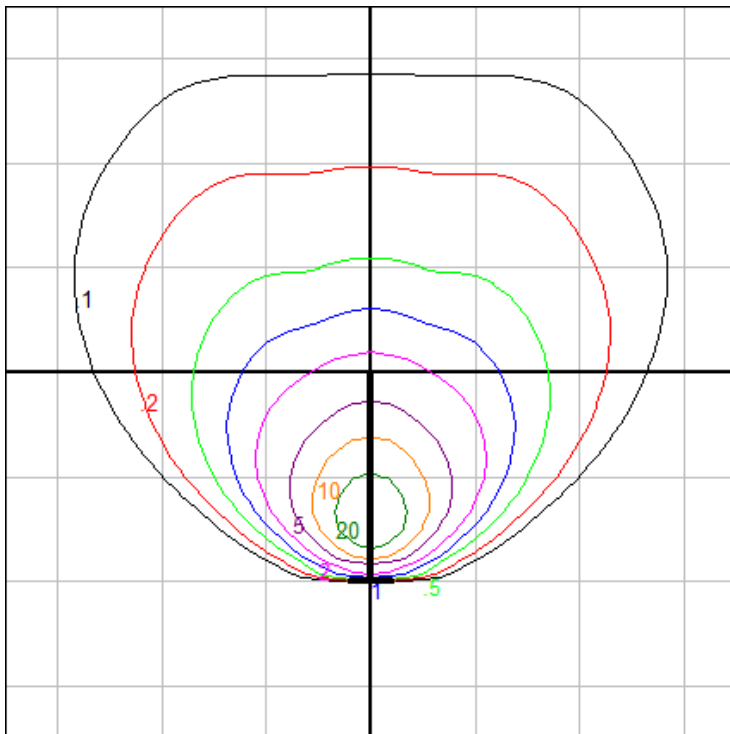


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	3133.465
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	54.8
Vertical Beam Angle (50%)	40.6
Horizontal Field Angle (10%)	102.6
Vertical Field Angle (10%)	87.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1193
Beam Efficiency	N.A.
Field Lumens	2441
Field Efficiency	N.A.
Spill Lumens	265
Luminaire Lumens	2706
Total Efficiency	N.A.
Total Luminaire Watts	32
Ballast Factor	1.00

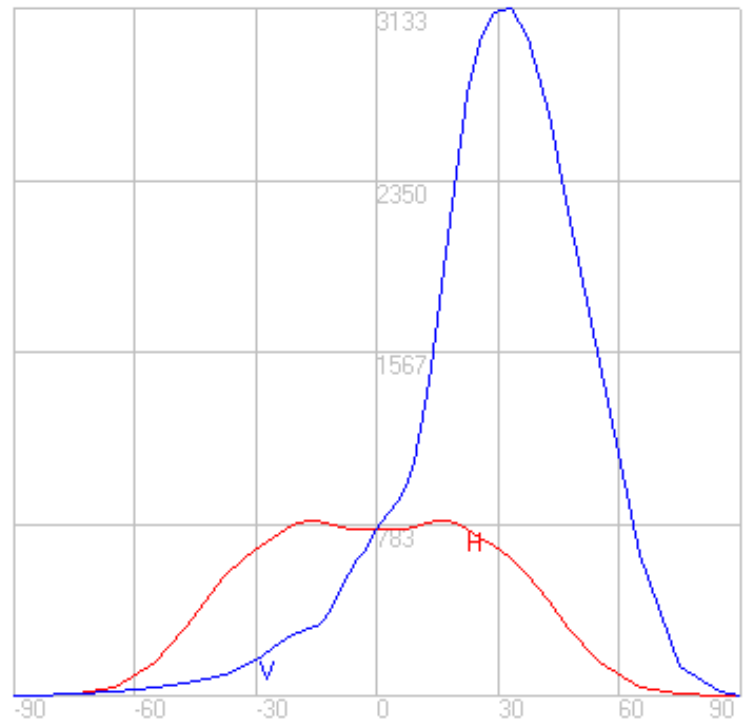
Zonal Lumen Summary

Zone	Lumens
0-10	72.89
10-20	246.86
20-30	500.10
30-40	642.01
40-50	591.46
50-60	402.78
60-70	182.15
70-80	48.54
80-90	7.91
90-100	0.16
100-110	0.05
110-120	0.01
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Setback: 5 ft.

Grid Spacing: 7.5 ft.



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