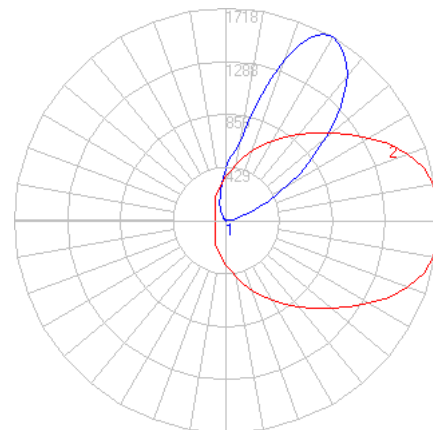


BEGA

File: 84230K4_BEGA_IES.ies

TEST: BE_84230K4
 TEST LAB: BEGA
 DATE: 7/12/2018
 LUMINAIRE: 84 230K4
 LAMP: 13.7W LED

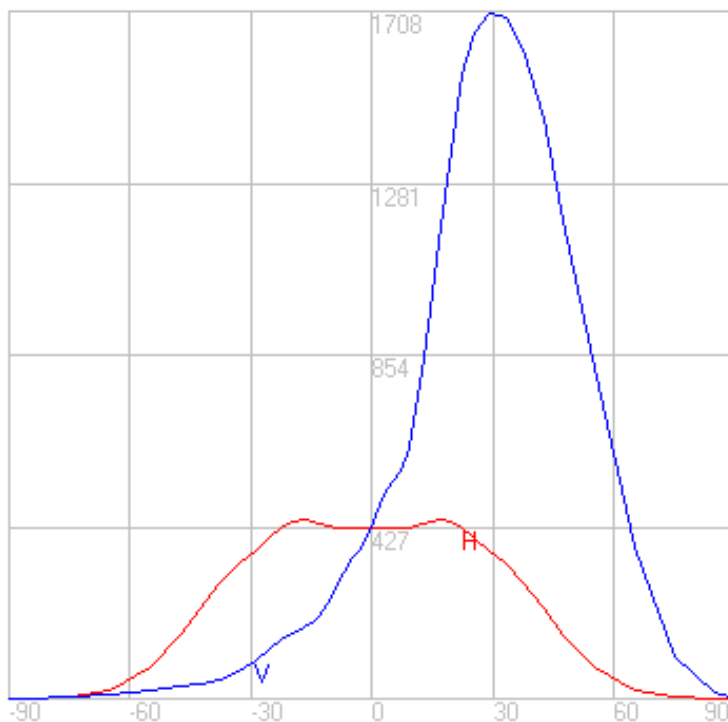
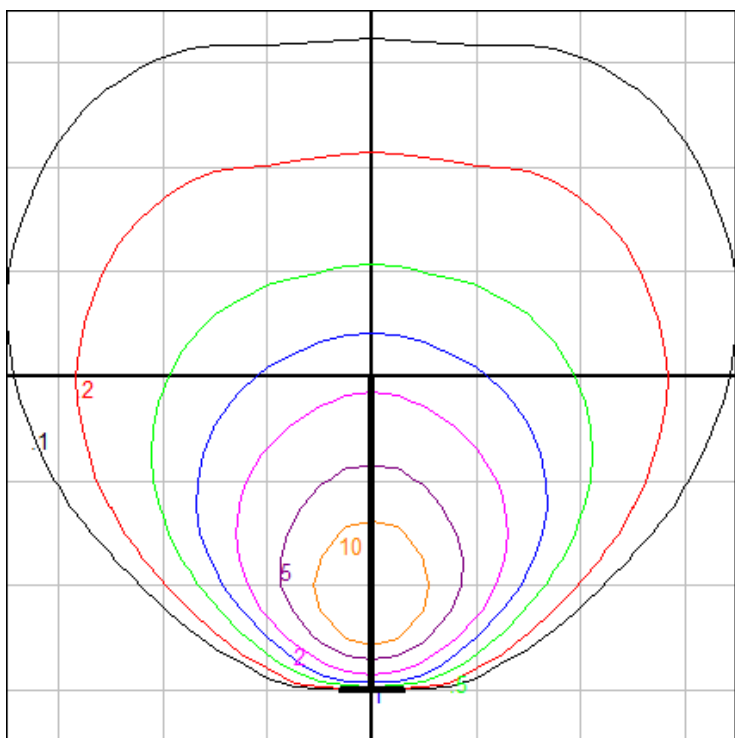


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	1708.1
Maximum Candela Angle	-3 H 29 V
Horizontal Beam Angle (50%)	54.4
Vertical Beam Angle (50%)	41.2
Horizontal Field Angle (10%)	102.9
Vertical Field Angle (10%)	91.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	663
Beam Efficiency	N.A.
Field Lumens	1348
Field Efficiency	N.A.
Spill Lumens	140
Luminaire Lumens	1488
Total Efficiency	N.A.
Total Luminaire Watts	17
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	42.07
10-20	143.58
20-30	280.88
30-40	348.78
40-50	315.33
50-60	213.60
60-70	100.37
70-80	31.78
80-90	5.37
90-100	0.05
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



Setback: 5 ft.

Grid Spacing: 5 ft.

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

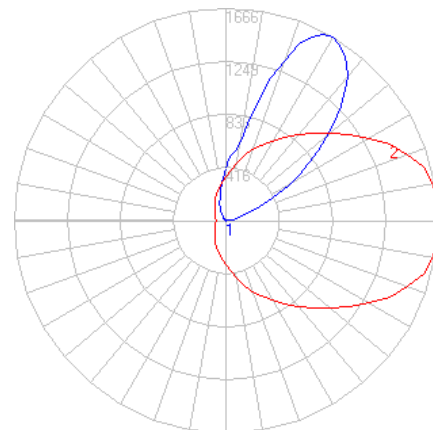
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BEGA

File: 84230K35_BEGA_IES.ies

TEST: BE_84230K4
 TEST LAB: BEGA
 DATE: 7/12/2018
 LUMINAIRE: 84 230K35
 LAMP: 13.7W LED

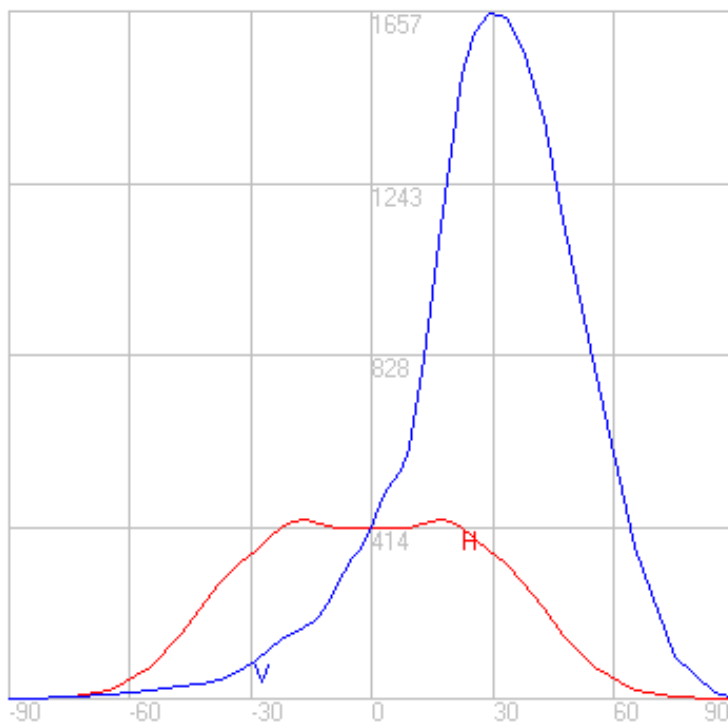
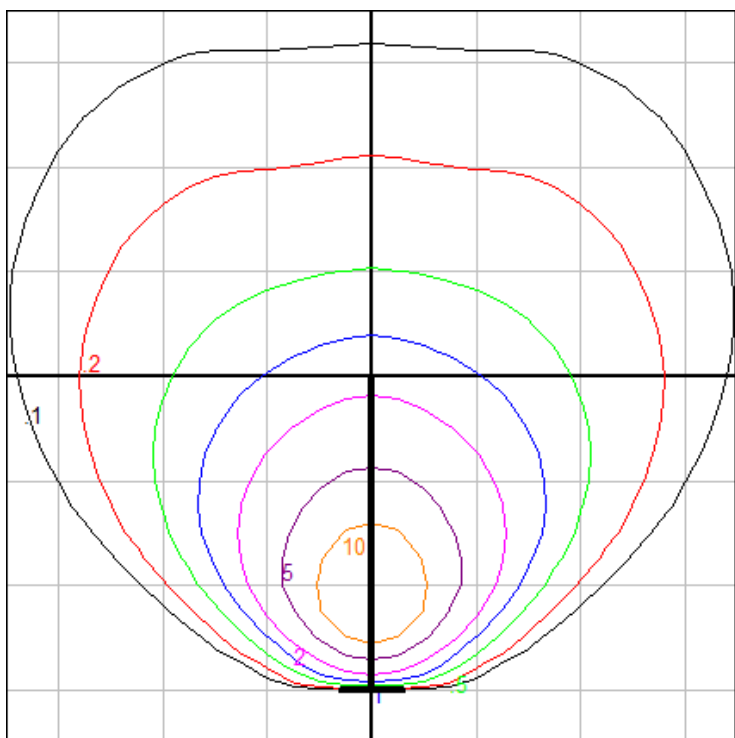


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	1656.872
Maximum Candela Angle	-3 H 29 V
Horizontal Beam Angle (50%)	54.4
Vertical Beam Angle (50%)	41.1
Horizontal Field Angle (10%)	102.9
Vertical Field Angle (10%)	91.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	643
Beam Efficiency	N.A.
Field Lumens	1307
Field Efficiency	N.A.
Spill Lumens	136
Luminaire Lumens	1443
Total Efficiency	N.A.
Total Luminaire Watts	17
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	40.81
10-20	139.27
20-30	272.45
30-40	338.31
40-50	305.86
50-60	207.19
60-70	97.35
70-80	30.81
80-90	5.20
90-100	0.05
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



Setback: 5 ft.

Grid Spacing: 5 ft.

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

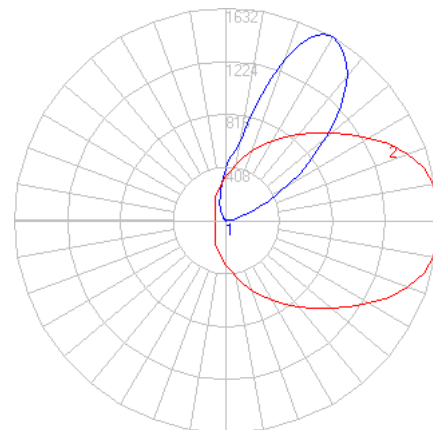
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BEGA

File: 84230K3_BEGA_IES.ies

TEST: BE_84230K4
 TEST LAB: BEGA
 DATE: 7/12/2018
 LUMINAIRE: 84 230K3
 LAMP: 13.7W LED

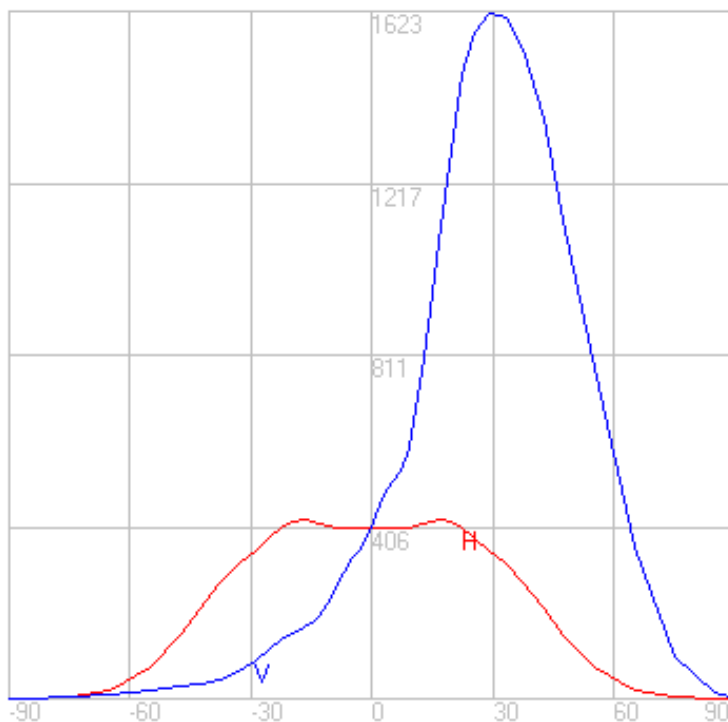
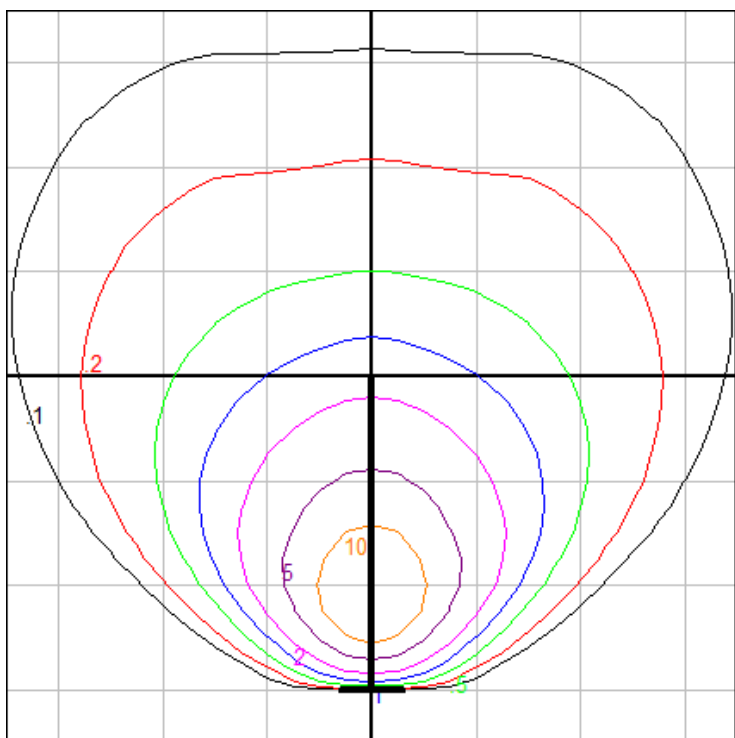


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	1622.71
Maximum Candela Angle	-3 H 29 V
Horizontal Beam Angle (50%)	54.4
Vertical Beam Angle (50%)	41.1
Horizontal Field Angle (10%)	102.9
Vertical Field Angle (10%)	91.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	630
Beam Efficiency	N.A.
Field Lumens	1280
Field Efficiency	N.A.
Spill Lumens	133
Luminaire Lumens	1413
Total Efficiency	N.A.
Total Luminaire Watts	17
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	39.97
10-20	136.40
20-30	266.83
30-40	331.33
40-50	299.55
50-60	202.91
60-70	95.34
70-80	30.18
80-90	5.09
90-100	0.05
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



Setback: 5 ft.

Grid Spacing: 5 ft.

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

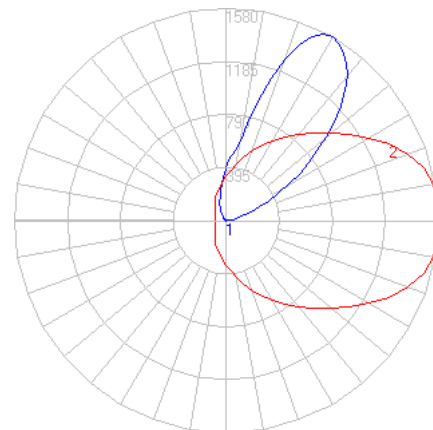
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File: 84230K27_BEGA_IES.ies

TEST: BE_84230K4
 TEST LAB: BEGA
 DATE: 7/12/2018
 LUMINAIRE: 84 230K27
 LAMP: 13.7W LED

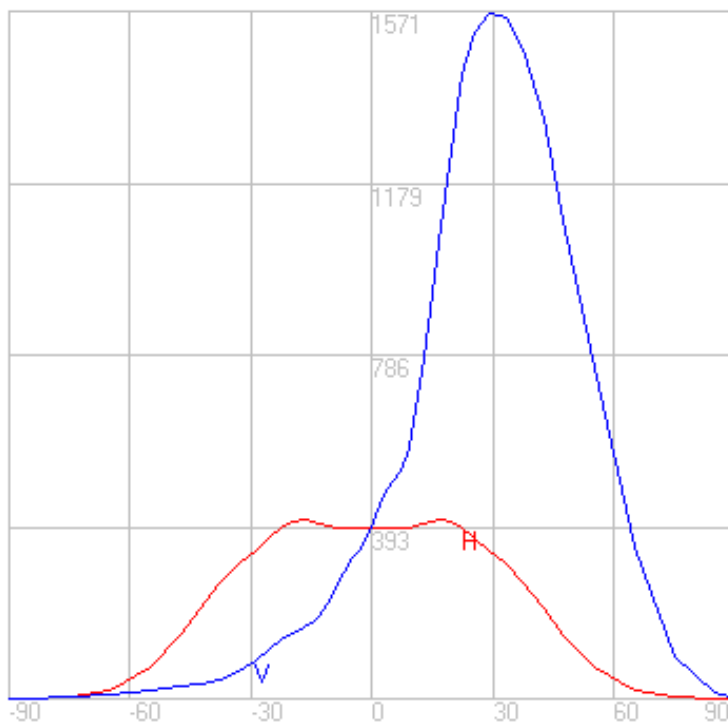
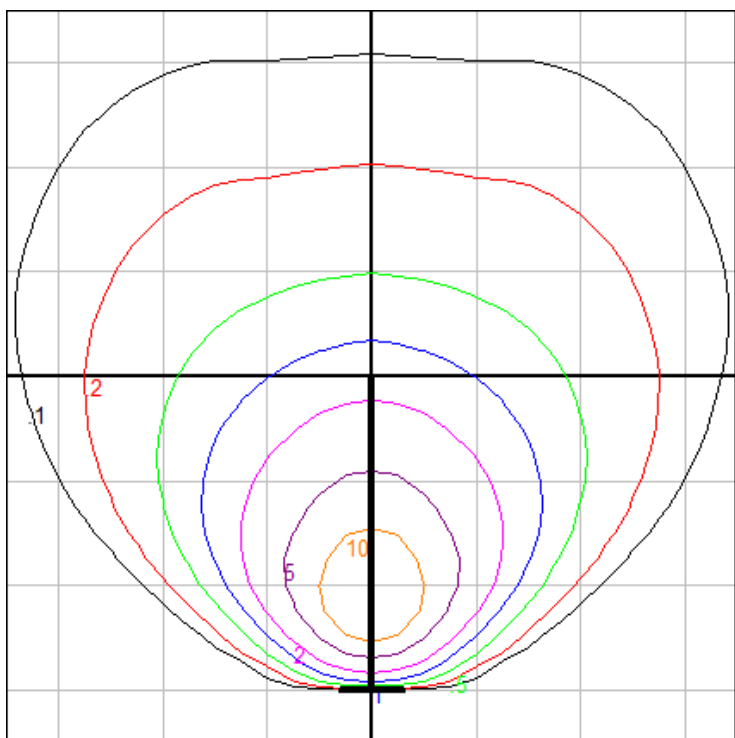


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	1571.466
Maximum Candela Angle	-3 H 29 V
Horizontal Beam Angle (50%)	54.4
Vertical Beam Angle (50%)	41.1
Horizontal Field Angle (10%)	102.9
Vertical Field Angle (10%)	91.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	610
Beam Efficiency	N.A.
Field Lumens	1240
Field Efficiency	N.A.
Spill Lumens	129
Luminaire Lumens	1368
Total Efficiency	N.A.
Total Luminaire Watts	17
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	38.71
10-20	132.09
20-30	258.41
30-40	320.87
40-50	290.10
50-60	196.51
60-70	92.33
70-80	29.22
80-90	4.93
90-100	0.04
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



Setback: 5 ft.

Grid Spacing: 5 ft.

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