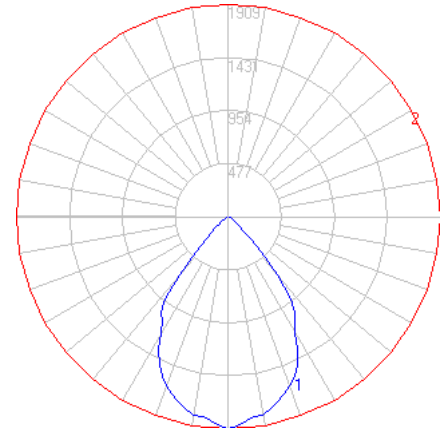


BEGA

File: 24411K4_BEGA_IES.ies

TEST: BE_24411K4
TEST LAB: BEGA
DATE: 7/19/2019
LUMINAIRE: 24 411K4
LAMP: 16.8W LED

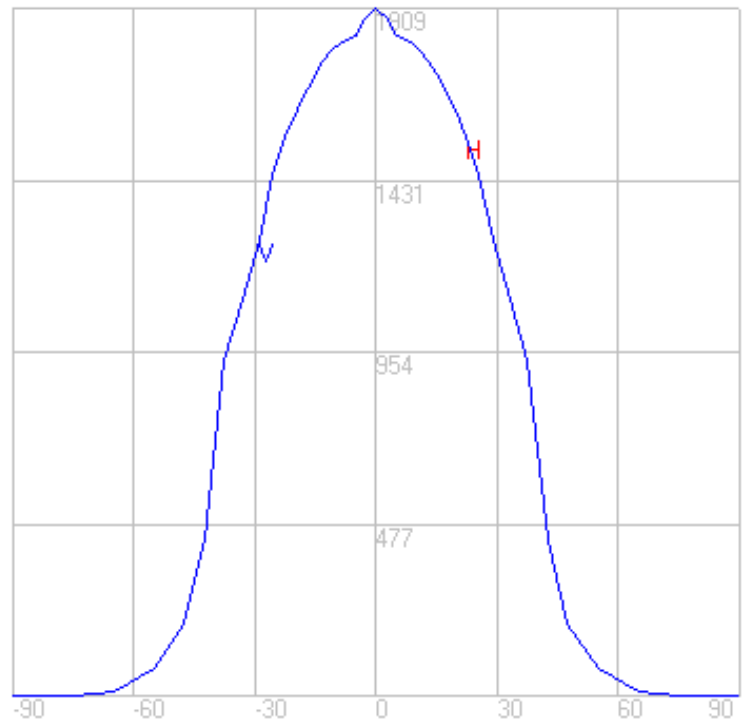
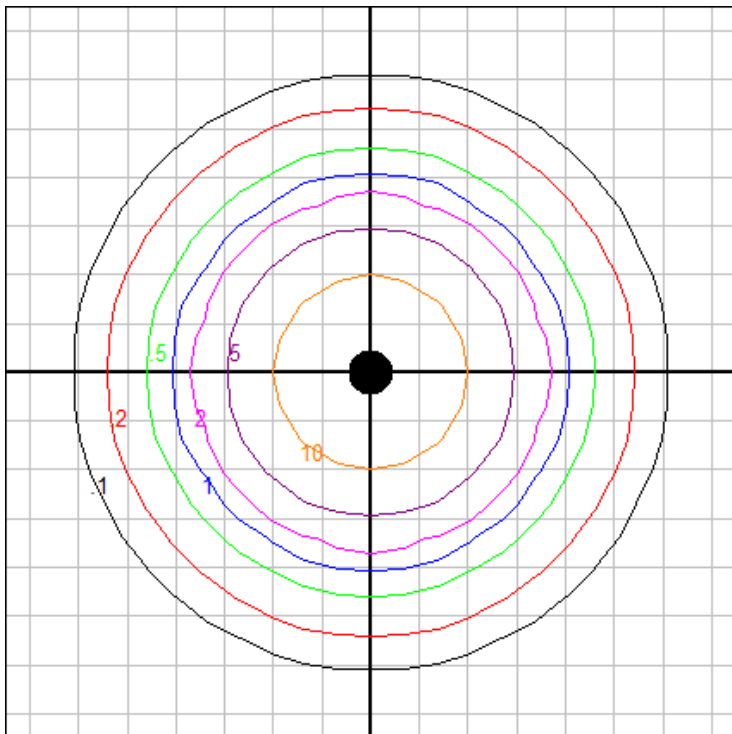


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	1908.6
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	73.7
Vertical Beam Angle (50%)	73.7
Horizontal Field Angle (10%)	96.0
Vertical Field Angle (10%)	96.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1746
Beam Efficiency	N.A.
Field Lumens	2177
Field Efficiency	N.A.
Spill Lumens	122
Luminaire Lumens	2299
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	175.11
10-20	485.70
20-30	664.86
30-40	628.28
40-50	251.69
50-60	71.21
60-70	13.92
70-80	0.59
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: 10 ft.

Grid Spacing: 2.5 ft.

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

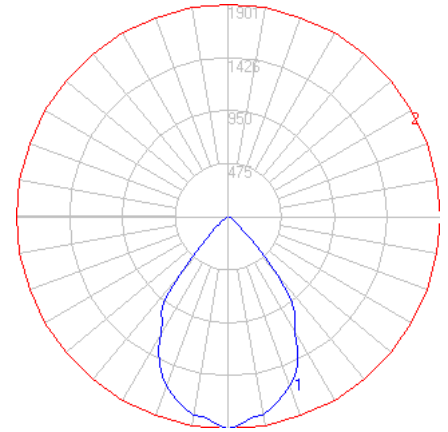
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BEGA

File: 24411K35_BEGA_IES.ies

TEST: BE_24411K4
 TEST LAB: BEGA
 DATE: 7/19/2019
 LUMINAIRE: 24 411K35
 LAMP: 16.8W LED

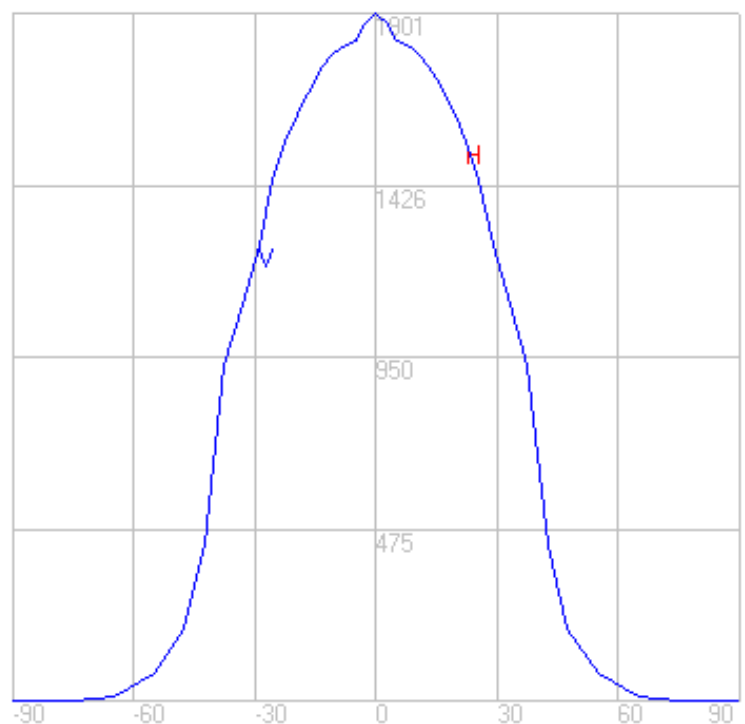
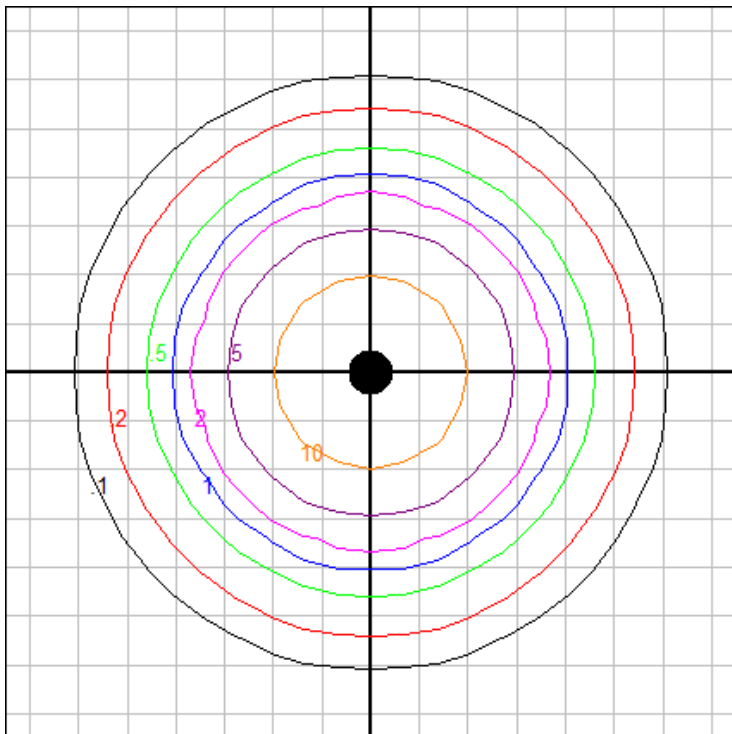


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	1900.966
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	73.7
Vertical Beam Angle (50%)	73.7
Horizontal Field Angle (10%)	96.0
Vertical Field Angle (10%)	96.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1739
Beam Efficiency	N.A.
Field Lumens	2168
Field Efficiency	N.A.
Spill Lumens	122
Luminaire Lumens	2290
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	174.41
10-20	483.75
20-30	662.20
30-40	625.77
40-50	250.68
50-60	70.92
60-70	13.87
70-80	0.58
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: 10 ft.

Grid Spacing: 2.5 ft.

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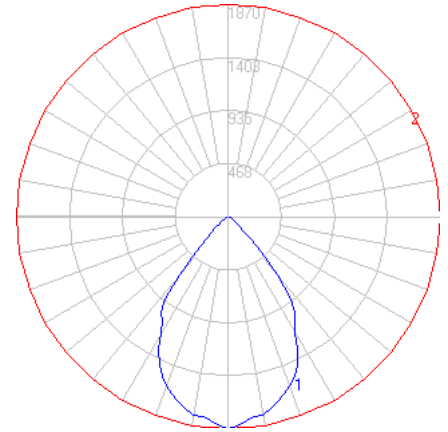
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File: 24411K3_BEGA_IES.ies

TEST: BE_24411K4
TEST LAB: BEGA
DATE: 7/19/2019
LUMINAIRE: 24 411K3
LAMP: 16.8W LED

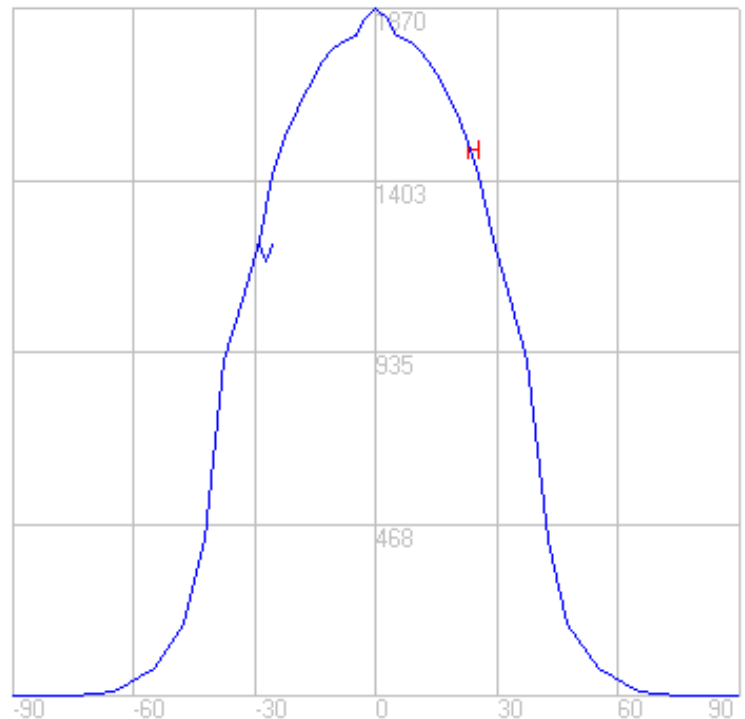
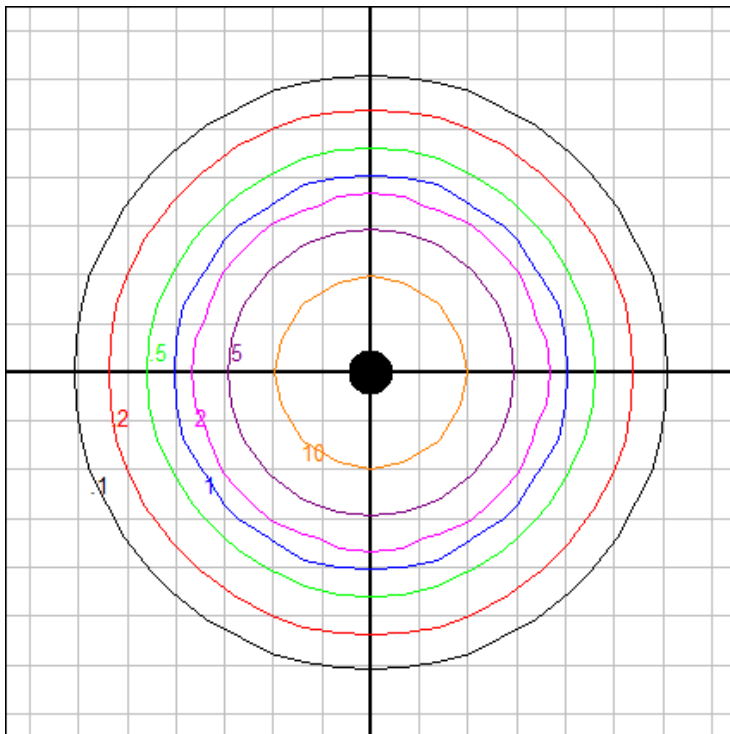


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	1870.428
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	73.7
Vertical Beam Angle (50%)	73.7
Horizontal Field Angle (10%)	96.0
Vertical Field Angle (10%)	96.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1711
Beam Efficiency	N.A.
Field Lumens	2133
Field Efficiency	N.A.
Spill Lumens	120
Luminaire Lumens	2253
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	171.61
10-20	475.98
20-30	651.56
30-40	615.72
40-50	246.66
50-60	69.78
60-70	13.64
70-80	0.57
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: 10 ft.

Grid Spacing: 2.5 ft.

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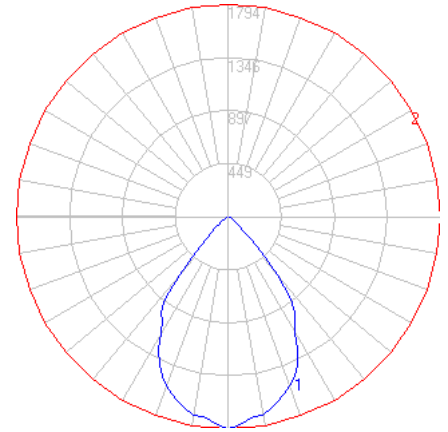
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File: 24411K27_BEGA_IES.ies

TEST: BE_24411K4
TEST LAB: BEGA
DATE: 7/19/2019
LUMINAIRE: 24 411K27
LAMP: 16.8W LED

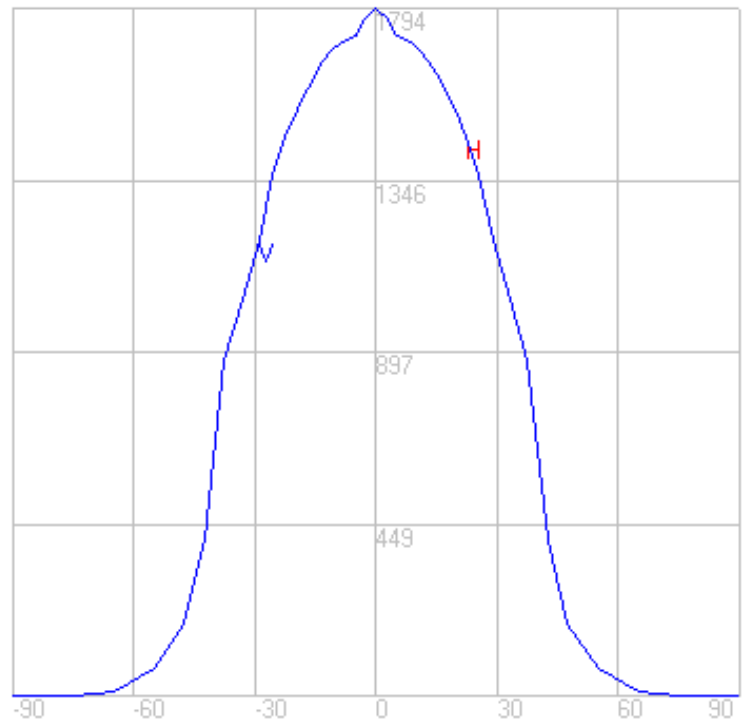
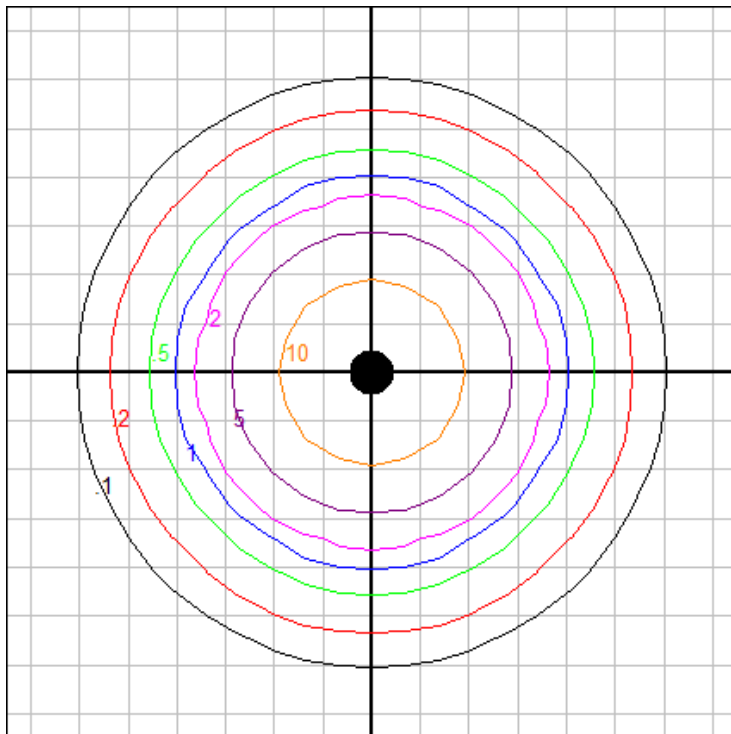


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	1794.084
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	73.7
Vertical Beam Angle (50%)	73.7
Horizontal Field Angle (10%)	96.0
Vertical Field Angle (10%)	96.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1642
Beam Efficiency	N.A.
Field Lumens	2046
Field Efficiency	N.A.
Spill Lumens	115
Luminaire Lumens	2161
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	164.60
10-20	456.55
20-30	624.96
30-40	590.58
40-50	236.59
50-60	66.94
60-70	13.09
70-80	0.55
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: 10 ft.

Grid Spacing: 2.5 ft.

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