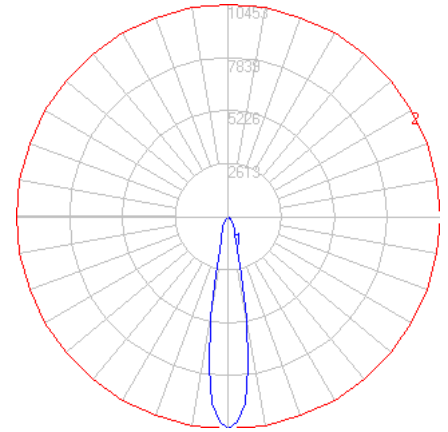


BEGA

File: 24237K4_BEGA_IES.ies

TEST: BE_24237K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 237K4
LAMP: 16.8W LED

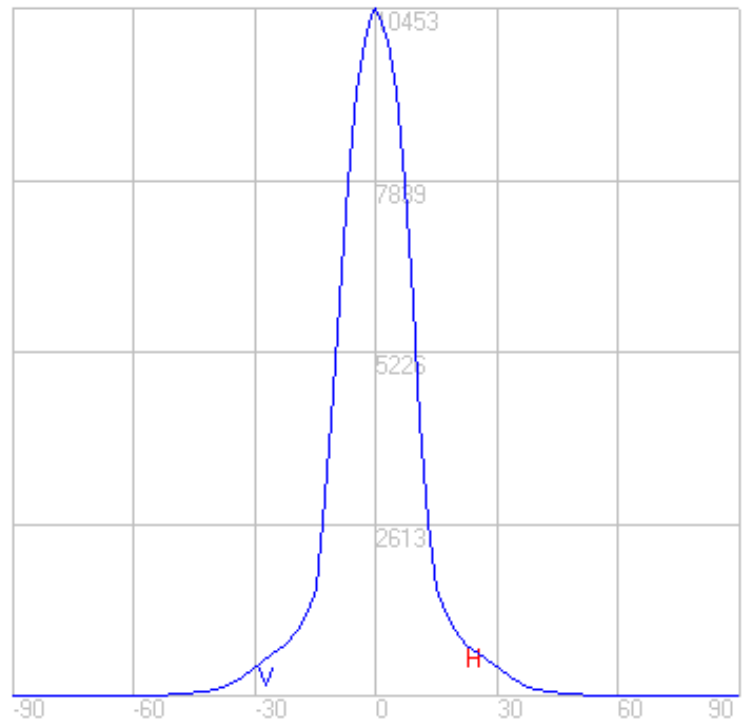
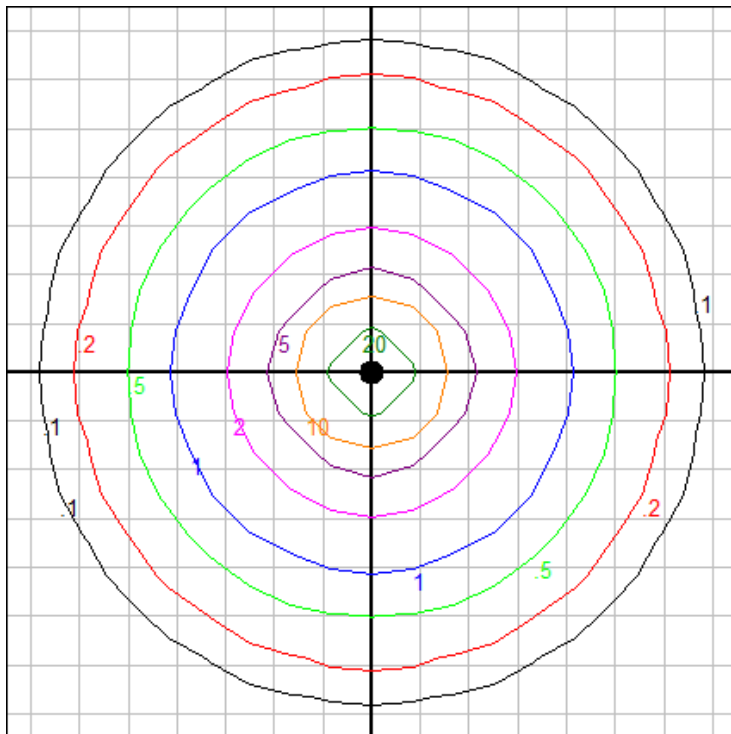


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	10452.548
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	19.7
Vertical Beam Angle (50%)	19.7
Horizontal Field Angle (10%)	38.1
Vertical Field Angle (10%)	38.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	671
Beam Efficiency	N.A.
Field Lumens	1268
Field Efficiency	N.A.
Spill Lumens	528
Luminaire Lumens	1796
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	744.65
10-20	562.66
20-30	301.62
30-40	141.56
40-50	41.01
50-60	9.74
60-70	0.06
70-80	0.07
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: 20 ft.

Grid Spacing: 2.5 ft.

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

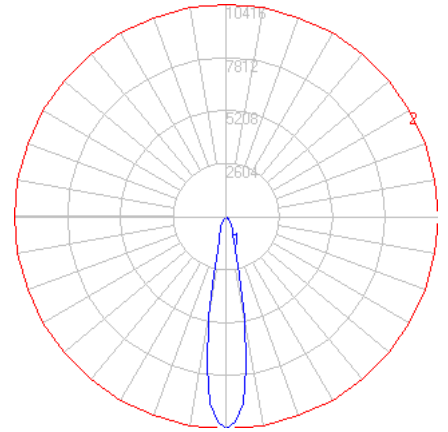
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BEGA

File: 24237K35_BEGA_IES.ies

TEST: BE_24237K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 237K35
LAMP: 16.8W LED

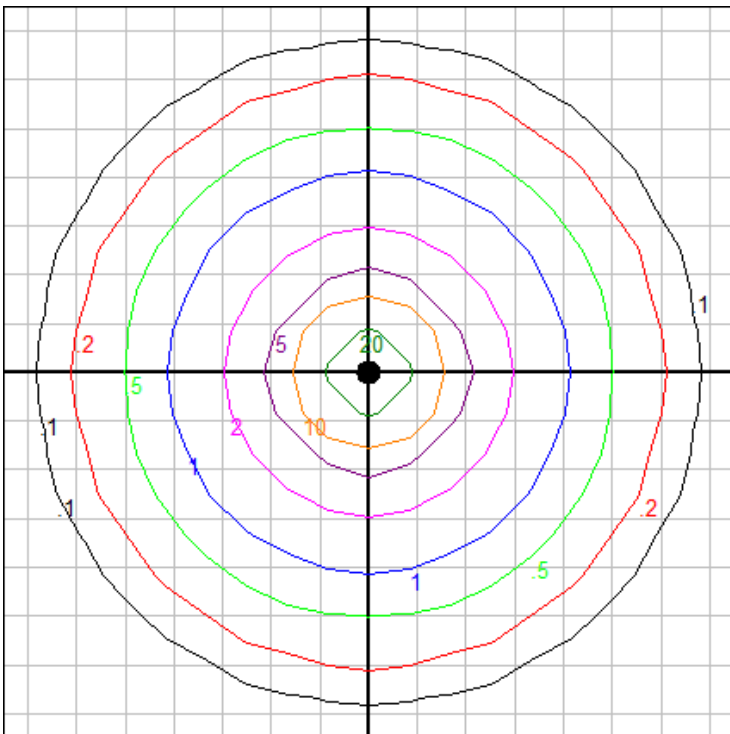


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	10415.614
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	19.7
Vertical Beam Angle (50%)	19.7
Horizontal Field Angle (10%)	38.1
Vertical Field Angle (10%)	38.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	669
Beam Efficiency	N.A.
Field Lumens	1263
Field Efficiency	N.A.
Spill Lumens	527
Luminaire Lumens	1790
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

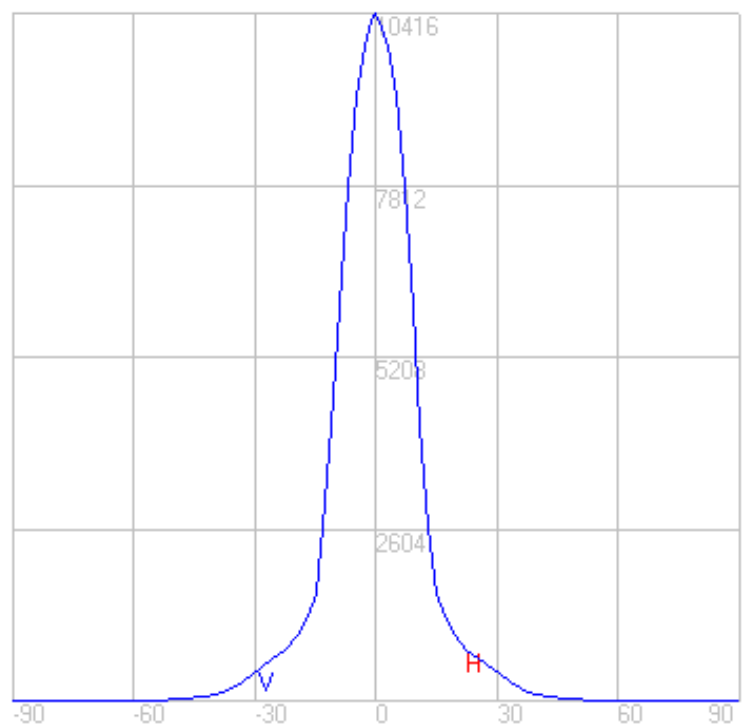
Zonal Lumen Summary

Zone	Lumens
0-10	742.01
10-20	560.67
20-30	300.56
30-40	141.06
40-50	40.86
50-60	9.70
60-70	0.06
70-80	0.07
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: 20 ft.

Grid Spacing: 2.5 ft.



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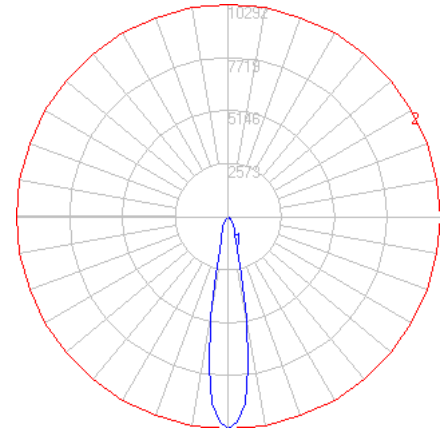
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File: 24237K3_BEGA_IES.ies

TEST: BE_24237K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 237K3
LAMP: 16.8W LED

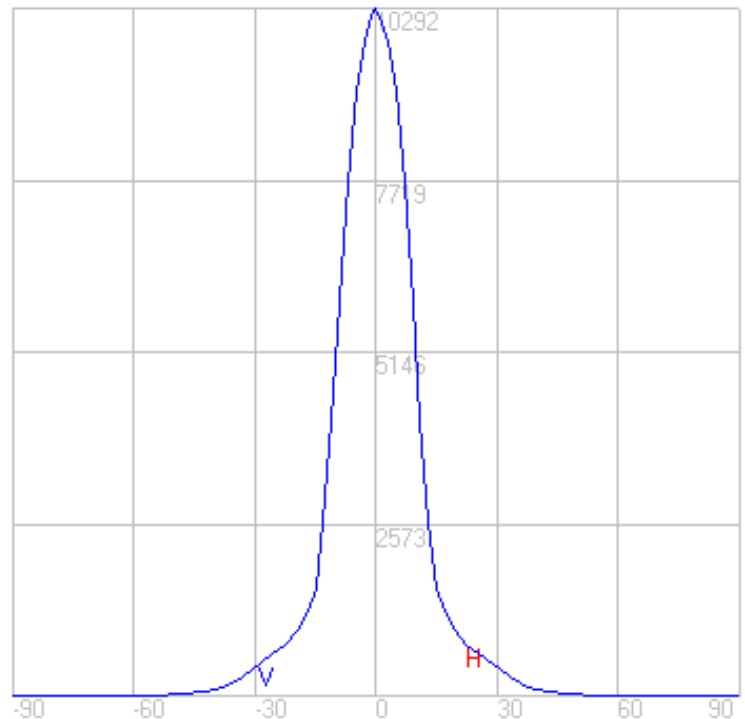
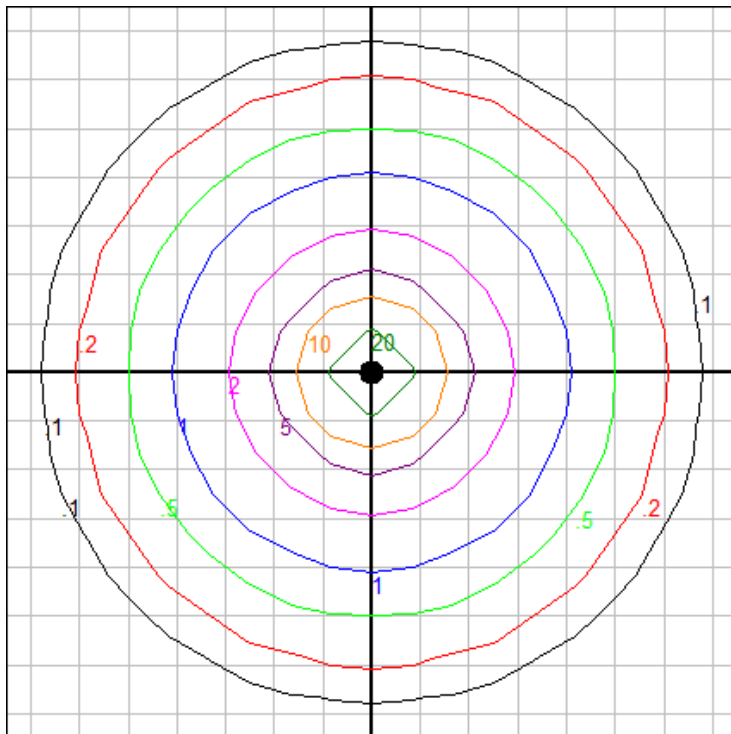


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	10292.498
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	19.7
Vertical Beam Angle (50%)	19.7
Horizontal Field Angle (10%)	38.1
Vertical Field Angle (10%)	38.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	661
Beam Efficiency	N.A.
Field Lumens	1248
Field Efficiency	N.A.
Spill Lumens	520
Luminaire Lumens	1769
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	733.24
10-20	554.04
20-30	297.00
30-40	139.39
40-50	40.38
50-60	9.59
60-70	0.06
70-80	0.07
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: 20 ft.

Grid Spacing: 2.5 ft.

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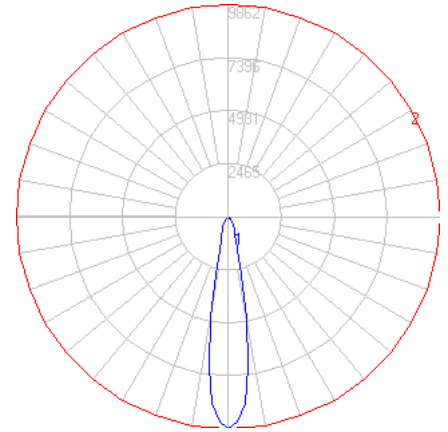
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BEGA

File: 24237K27_BEGA_IES.ies

TEST: BE_24237K4
TEST LAB: BEGA
DATE: 6/24/2019
LUMINAIRE: 24 237K27
LAMP: 16.8W LED

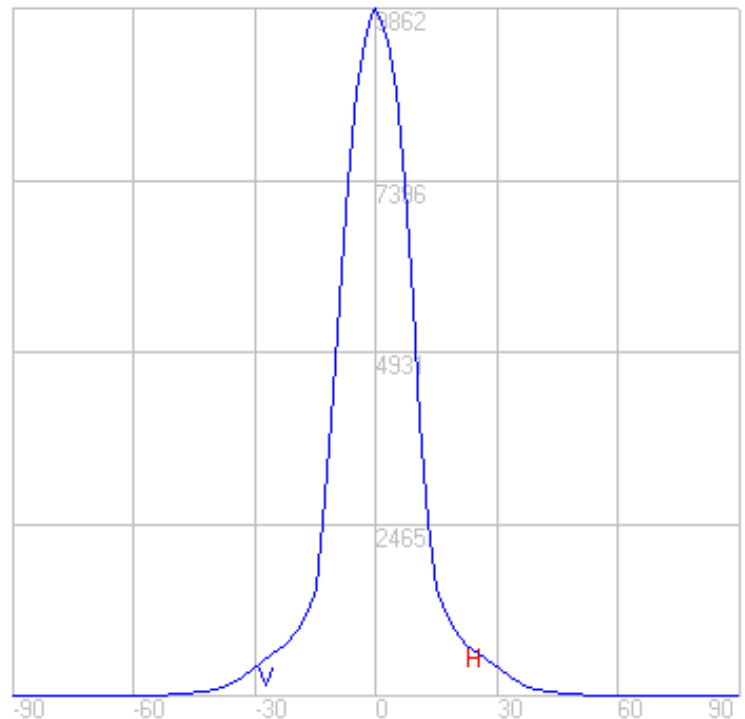
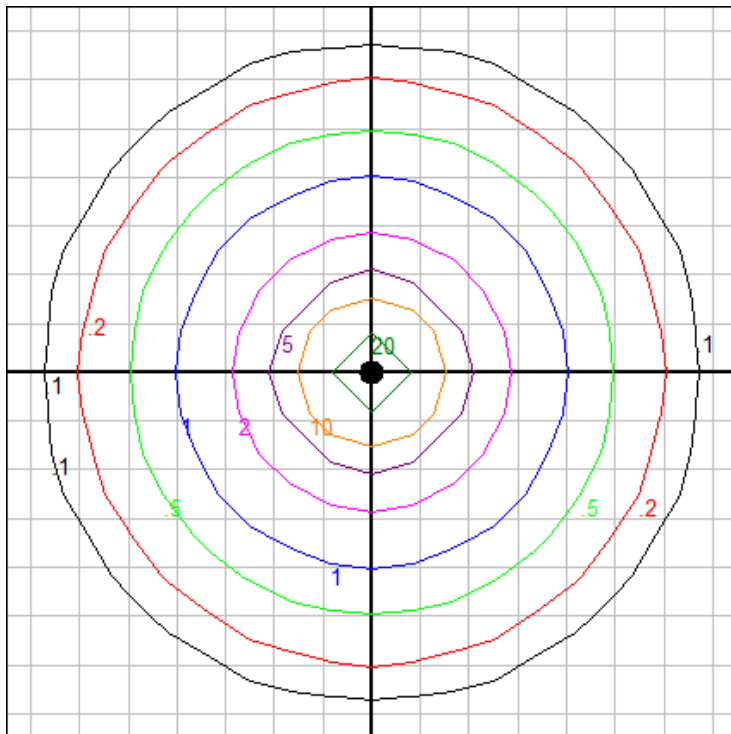


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	9861.592
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	19.7
Vertical Beam Angle (50%)	19.7
Horizontal Field Angle (10%)	38.1
Vertical Field Angle (10%)	38.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	633
Beam Efficiency	N.A.
Field Lumens	1196
Field Efficiency	N.A.
Spill Lumens	499
Luminaire Lumens	1695
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	702.55
10-20	530.85
20-30	284.57
30-40	133.55
40-50	38.69
50-60	9.19
60-70	0.06
70-80	0.06
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: 20 ft.

Grid Spacing: 2.5 ft.

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