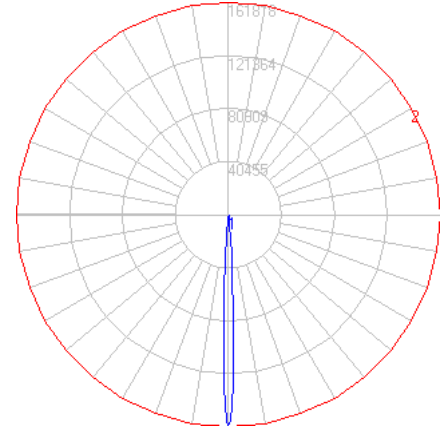


BEGA

File: 84331K4_BEGA_IES.ies

TEST: BE_84331K4
TEST LAB: BEGA
DATE: 10/2/2019
LUMINAIRE: 84 331K4
LAMP: 54.0W LED

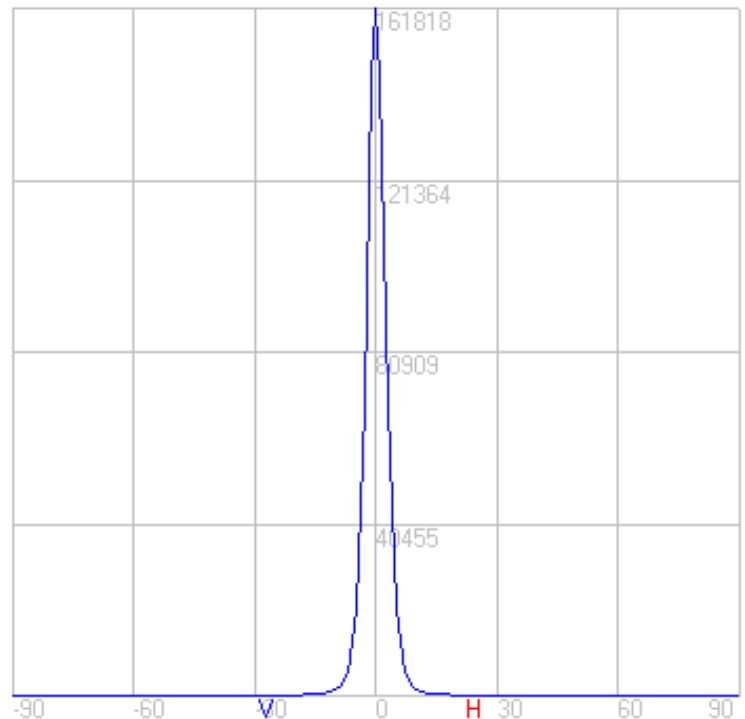
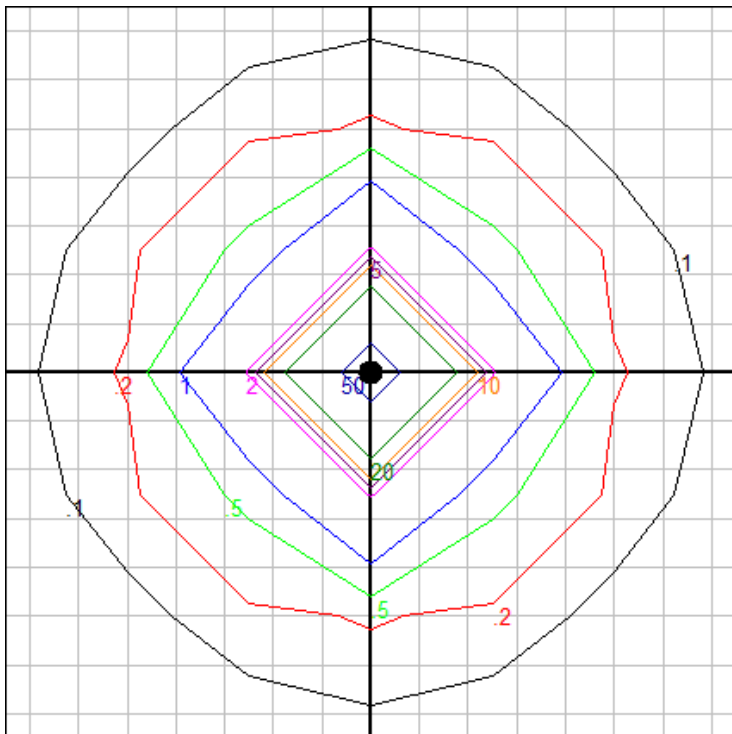


Characteristics

NEMA Type	1 H x 1 V
Maximum Candela	161818
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	5.4
Vertical Beam Angle (50%)	5.4
Horizontal Field Angle (10%)	11.2
Vertical Field Angle (10%)	11.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	677
Beam Efficiency	N.A.
Field Lumens	1560
Field Efficiency	N.A.
Spill Lumens	603
Luminaire Lumens	2163
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	1918.51
10-20	151.55
20-30	31.93
30-40	1.67
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: 50 ft.

Grid Spacing: 2.5 ft.

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

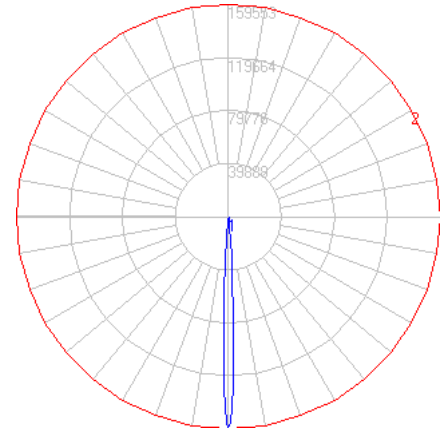
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File: 84331K35_BEGA_IES.ies

TEST: BE_84331K4
TEST LAB: BEGA
DATE: 10/2/2019
LUMINAIRE: 84 331K35
LAMP: 54.0W LED

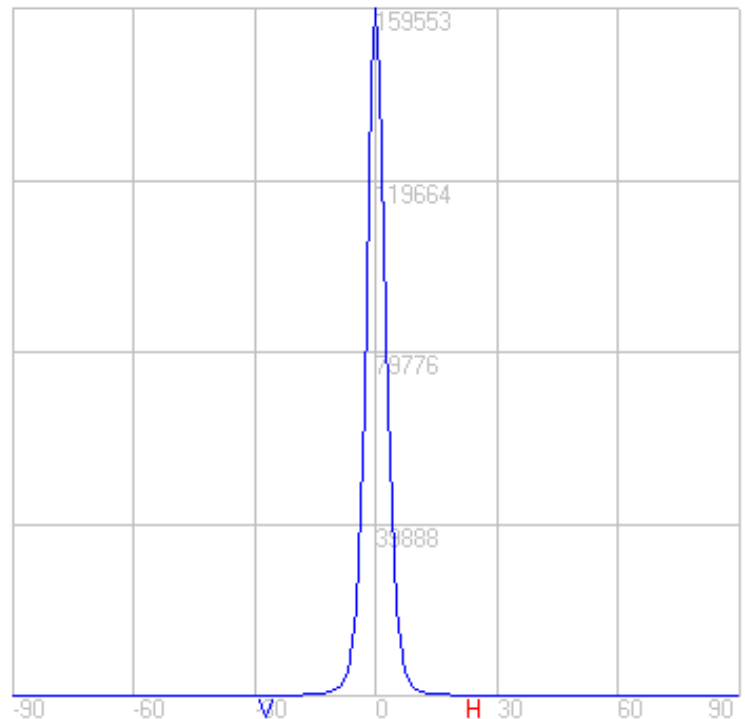
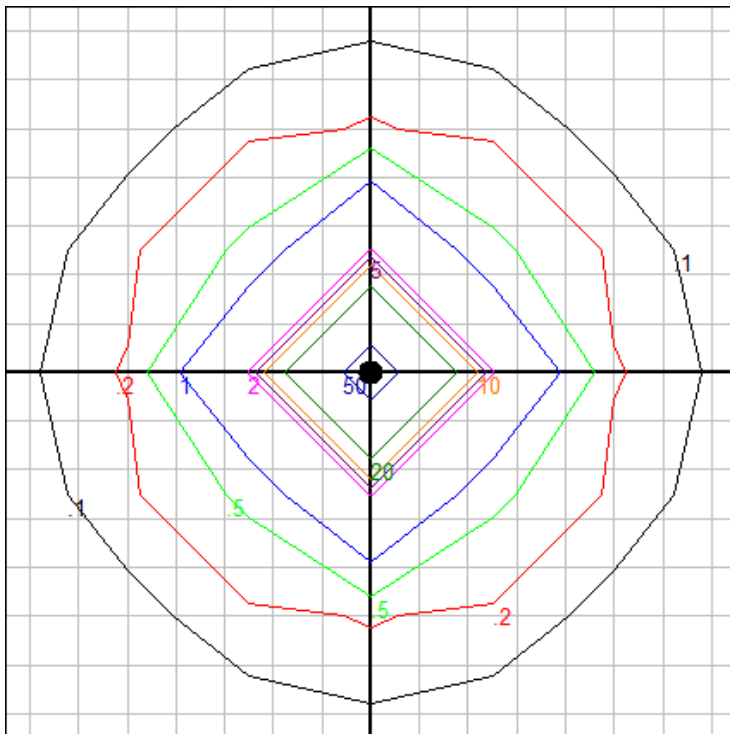


Characteristics

NEMA Type	1 H x 1 V
Maximum Candela	159552.548
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	5.4
Vertical Beam Angle (50%)	5.4
Horizontal Field Angle (10%)	11.2
Vertical Field Angle (10%)	11.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	668
Beam Efficiency	N.A.
Field Lumens	1538
Field Efficiency	N.A.
Spill Lumens	595
Luminaire Lumens	2132
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	1891.65
10-20	149.42
20-30	31.48
30-40	1.65
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: 50 ft.

Grid Spacing: 2.5 ft.

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

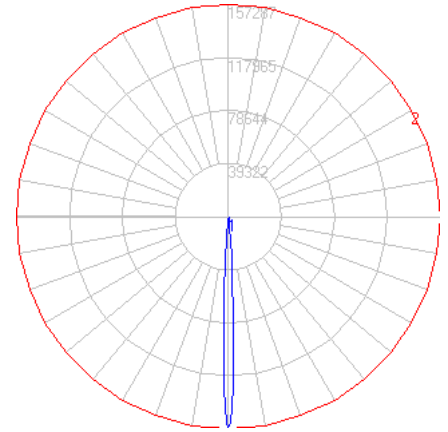
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File: 84331K3_BEGA_IES.ies

TEST: BE_84331K4
TEST LAB: BEGA
DATE: 10/2/2019
LUMINAIRE: 84 331K3
LAMP: 54.0W LED

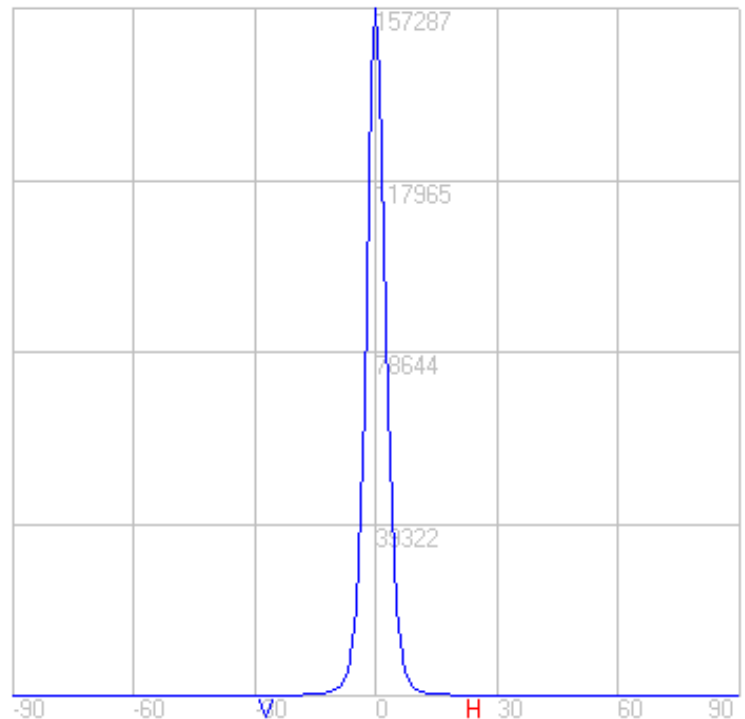
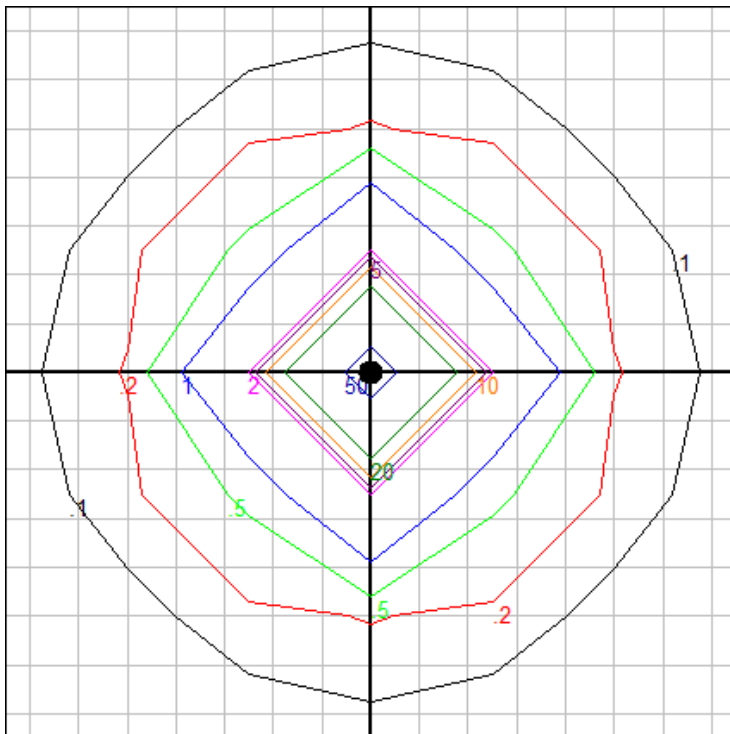


Characteristics

NEMA Type	1 H x 1 V
Maximum Candela	157287.096
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	5.4
Vertical Beam Angle (50%)	5.4
Horizontal Field Angle (10%)	11.2
Vertical Field Angle (10%)	11.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	658
Beam Efficiency	N.A.
Field Lumens	1516
Field Efficiency	N.A.
Spill Lumens	586
Luminaire Lumens	2102
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	1864.79
10-20	147.30
20-30	31.03
30-40	1.62
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: 50 ft.

Grid Spacing: 2.5 ft.

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

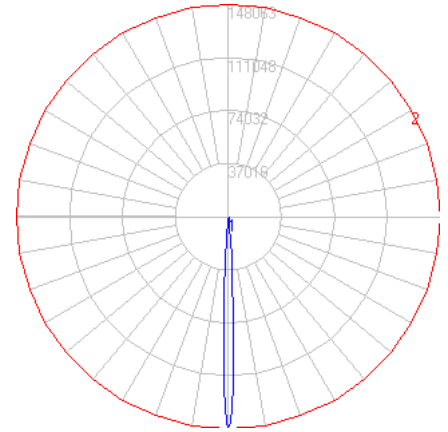
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BEGA

File: 84331K27_BEGA_IES.ies

TEST: BE_84331K4
TEST LAB: BEGA
DATE: 10/2/2019
LUMINAIRE: 84 331K27
LAMP: 54.0W LED

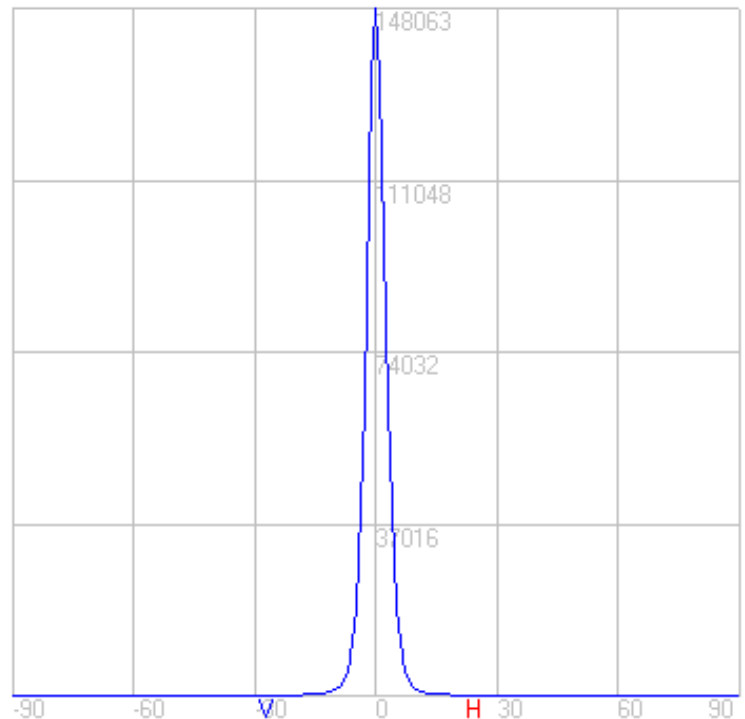
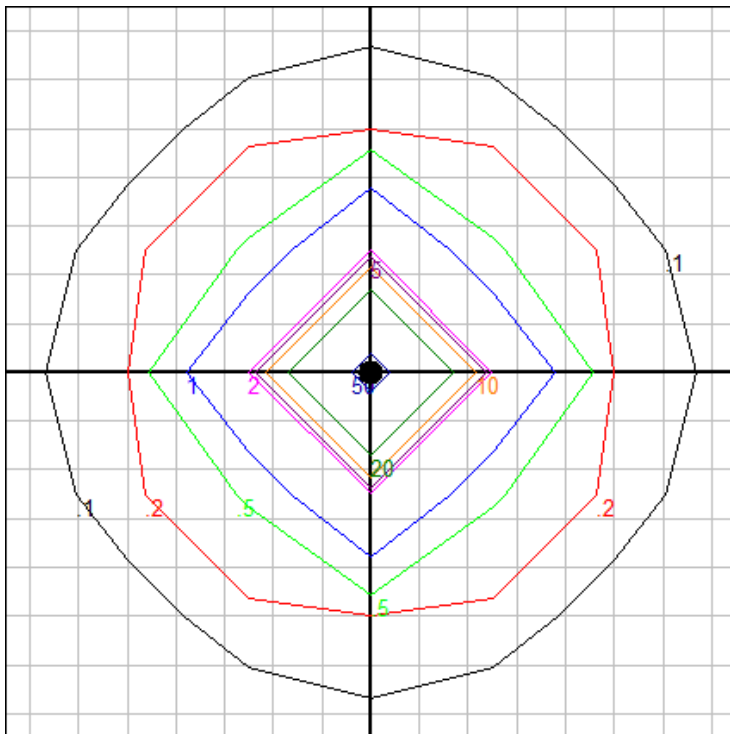


Characteristics

NEMA Type	1 H x 1 V
Maximum Candela	148063.473
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	5.4
Vertical Beam Angle (50%)	5.4
Horizontal Field Angle (10%)	11.2
Vertical Field Angle (10%)	11.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	619
Beam Efficiency	N.A.
Field Lumens	1427
Field Efficiency	N.A.
Spill Lumens	552
Luminaire Lumens	1979
Total Efficiency	N.A.
Total Luminaire Watts	64
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	1755.44
10-20	138.66
20-30	29.21
30-40	1.53
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: 50 ft.

Grid Spacing: 2.5 ft.

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