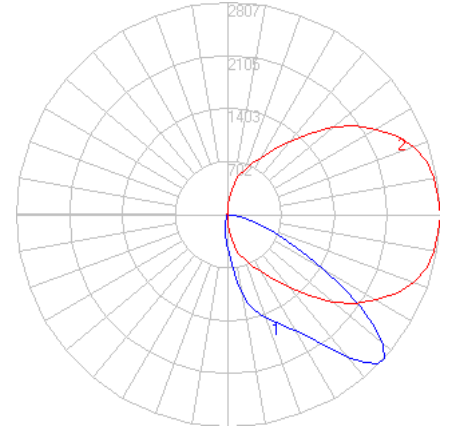


BEGA

File: 84099K4_BEGA_IES.ies

TEST: BE_84099K4
TEST LAB: BEGA
DATE: 4/3/2018
LUMINAIRE: 84 099K4
LAMP: 19.4W LED

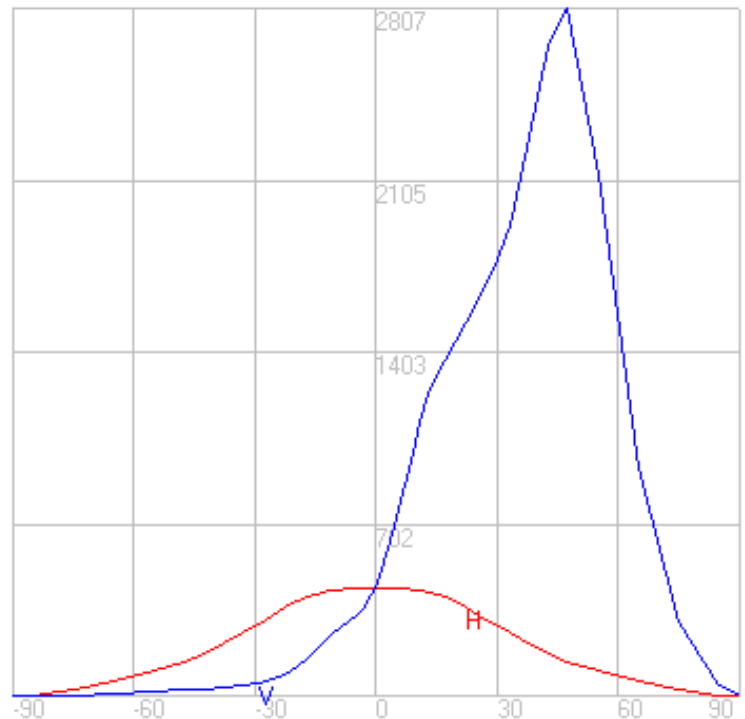
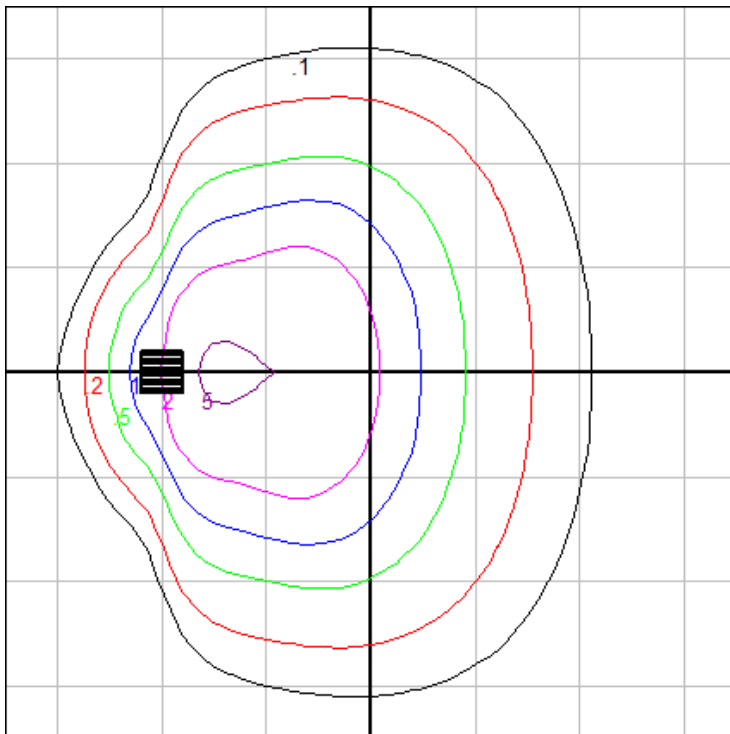


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	2806.8
Maximum Candela Angle	0H 47.5 V
Horizontal Beam Angle (50%)	72.1
Vertical Beam Angle (50%)	43.1
Horizontal Field Angle (10%)	116.1
Vertical Field Angle (10%)	84.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1352
Beam Efficiency	N.A.
Field Lumens	2440
Field Efficiency	N.A.
Spill Lumens	228
Luminaire Lumens	2668
Total Efficiency	N.A.
Total Luminaire Watts	24
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	49.06
10-20	176.48
20-30	302.56
30-40	433.21
40-50	605.12
50-60	595.63
60-70	345.94
70-80	130.48
80-90	22.27
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: 15 ft.

Grid Spacing: 10 ft.

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

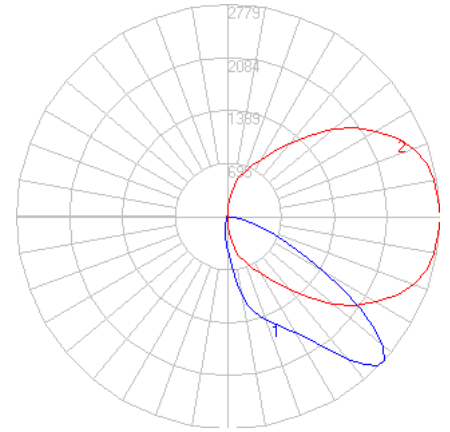
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BEGA

File: 84099K35_BEGA_IES.ies

TEST: BE_84099K4
TEST LAB: BEGA
DATE: 4/3/2018
LUMINAIRE: 84 099K35
LAMP: 19.4W LED

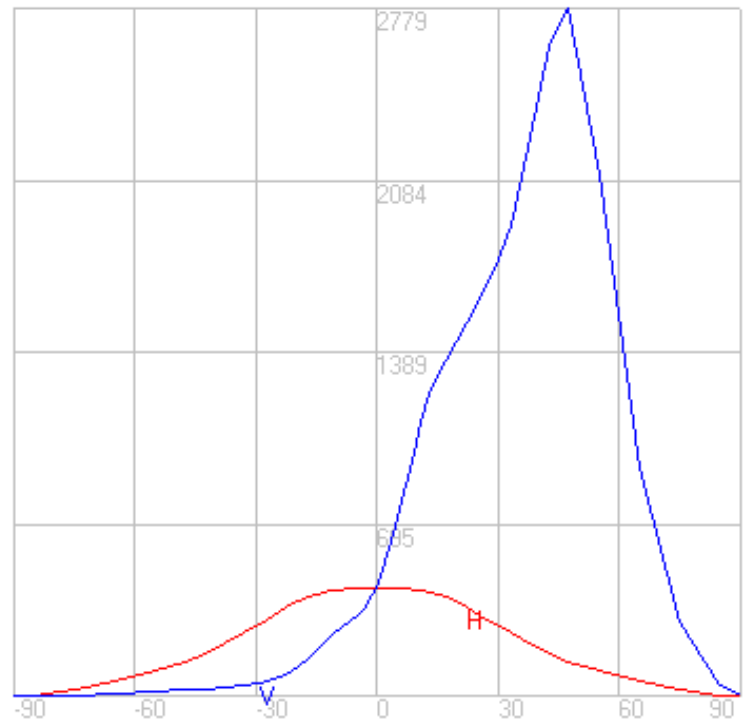
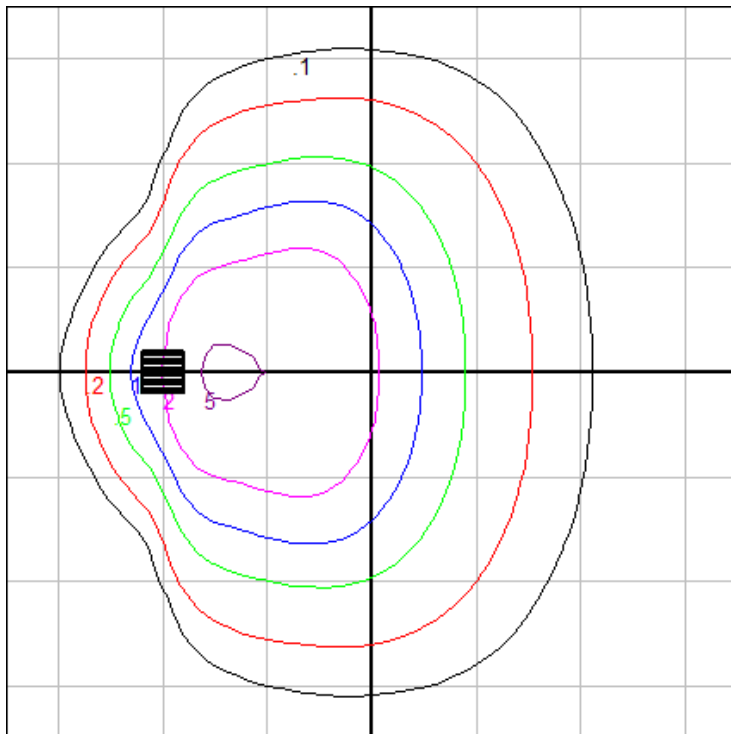


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	2778.732
Maximum Candela Angle	0 H 47.5 V
Horizontal Beam Angle (50%)	72.1
Vertical Beam Angle (50%)	43.1
Horizontal Field Angle (10%)	116.1
Vertical Field Angle (10%)	84.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1339
Beam Efficiency	N.A.
Field Lumens	2416
Field Efficiency	N.A.
Spill Lumens	226
Luminaire Lumens	2642
Total Efficiency	N.A.
Total Luminaire Watts	24
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	48.57
10-20	174.72
20-30	299.54
30-40	428.88
40-50	599.07
50-60	589.67
60-70	342.48
70-80	129.18
80-90	22.05
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: 15 ft.

Grid Spacing: 10 ft.

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

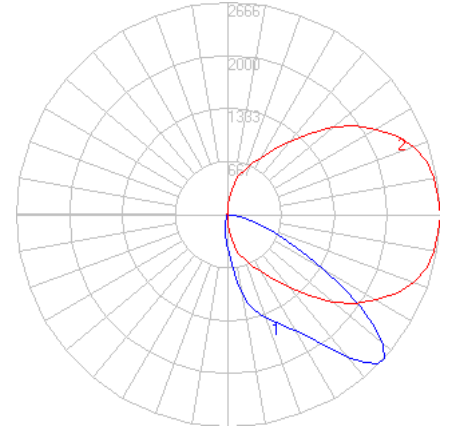
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BEGA

File: 84099K3_BEGA_IES.ies

TEST: BE_84099K4
TEST LAB: BEGA
DATE: 4/3/2018
LUMINAIRE: 84 099K3
LAMP: 19.4W LED

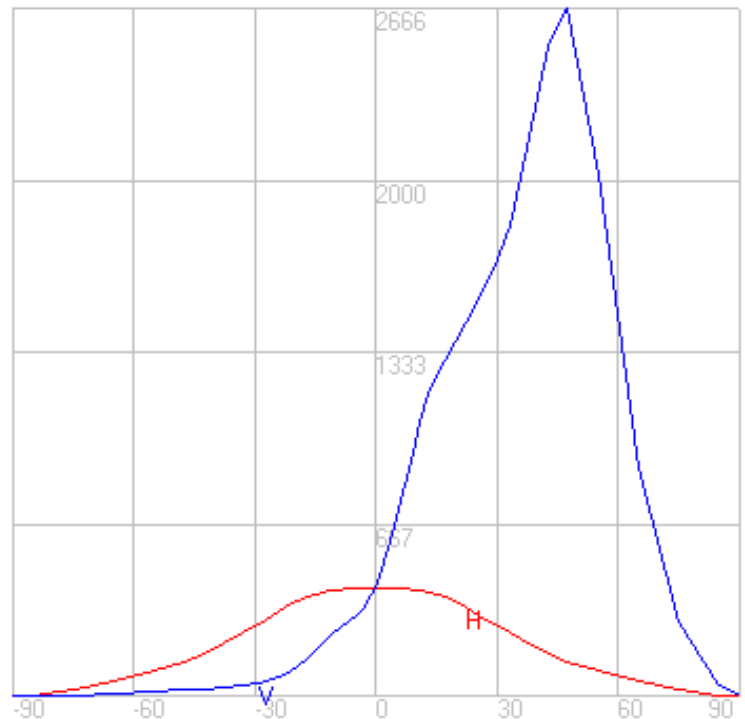
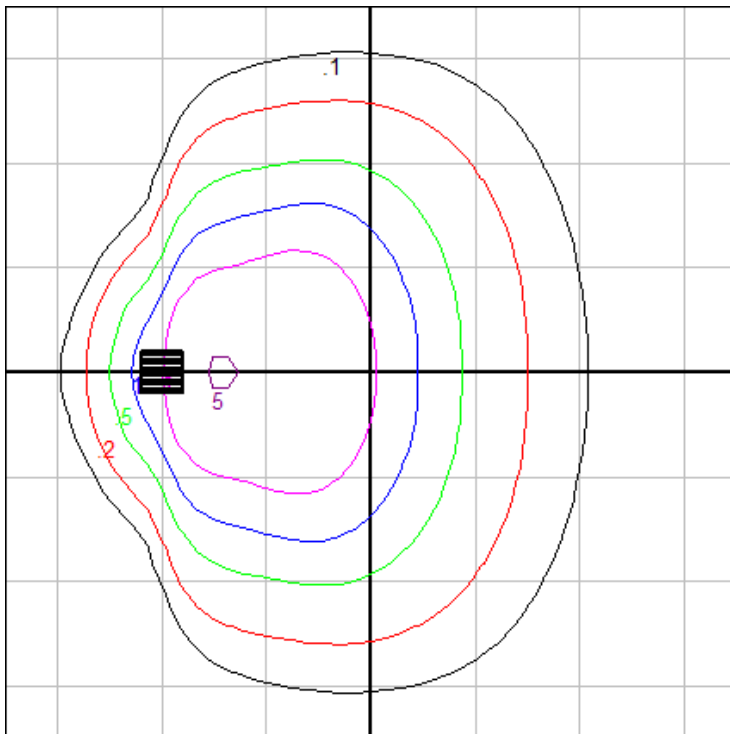


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	2666.46
Maximum Candela Angle	0 H 47.5 V
Horizontal Beam Angle (50%)	72.1
Vertical Beam Angle (50%)	43.1
Horizontal Field Angle (10%)	116.1
Vertical Field Angle (10%)	84.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1284
Beam Efficiency	N.A.
Field Lumens	2318
Field Efficiency	N.A.
Spill Lumens	216
Luminaire Lumens	2535
Total Efficiency	N.A.
Total Luminaire Watts	24
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	46.60
10-20	167.66
20-30	287.43
30-40	411.55
40-50	574.87
50-60	565.84
60-70	328.64
70-80	123.96
80-90	21.16
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: 15 ft.

Grid Spacing: 10 ft.

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

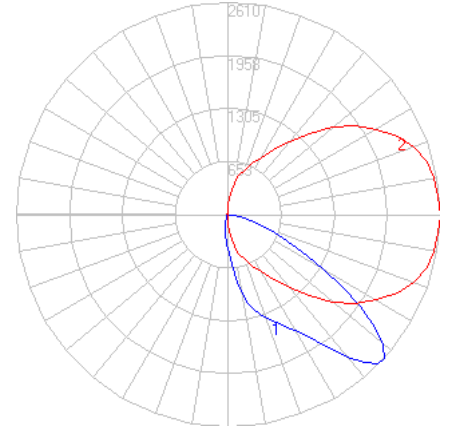
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BEGA

File: 84099K27_BEGA_IES.ies

TEST: BE_84099K4
TEST LAB: BEGA
DATE: 4/3/2018
LUMINAIRE: 84 099K27
LAMP: 19.4W LED

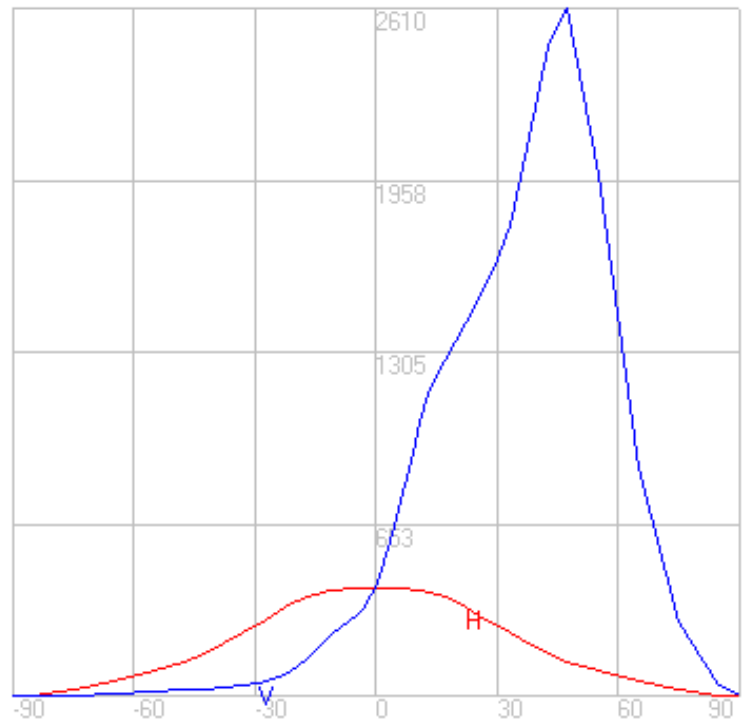
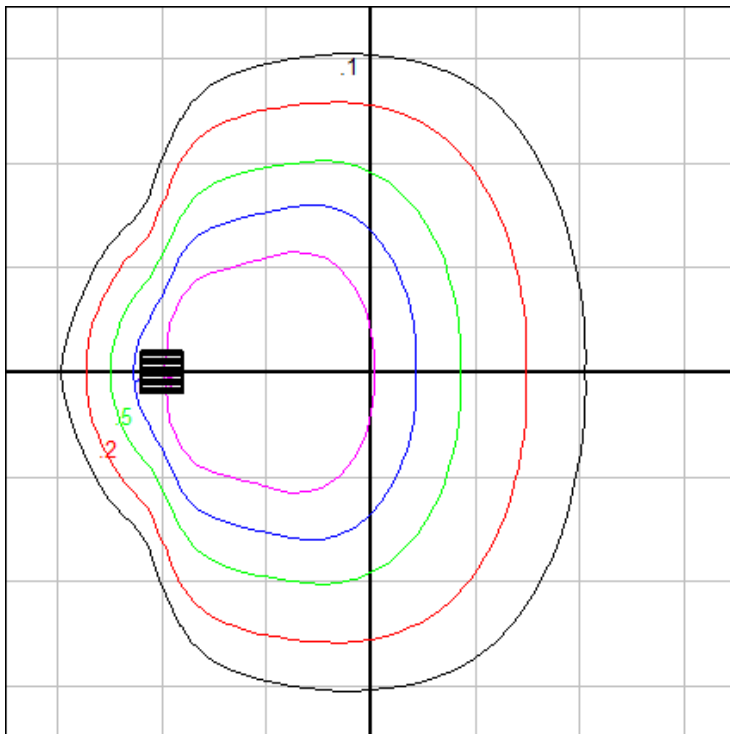


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	2610.324
Maximum Candela Angle	0 H 47.5 V
Horizontal Beam Angle (50%)	72.1
Vertical Beam Angle (50%)	43.1
Horizontal Field Angle (10%)	116.1
Vertical Field Angle (10%)	84.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1257
Beam Efficiency	N.A.
Field Lumens	2270
Field Efficiency	N.A.
Spill Lumens	212
Luminaire Lumens	2482
Total Efficiency	N.A.
Total Luminaire Watts	24
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	45.62
10-20	164.13
20-30	281.38
30-40	402.89
40-50	562.76
50-60	553.93
60-70	321.72
70-80	121.35
80-90	20.71
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: 15 ft.

Grid Spacing: 10 ft.

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