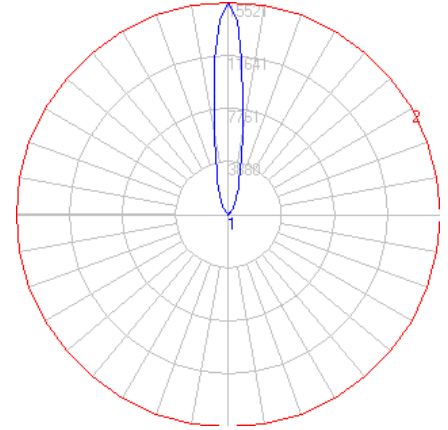


BEGA

File: 84899K4_BEGA_IES.ies

TEST: BE_84899K4
TEST LAB: BEGA
DATE: 06/24/2021
LUMINAIRE: 84899K4
LAMP: 29.7W LED

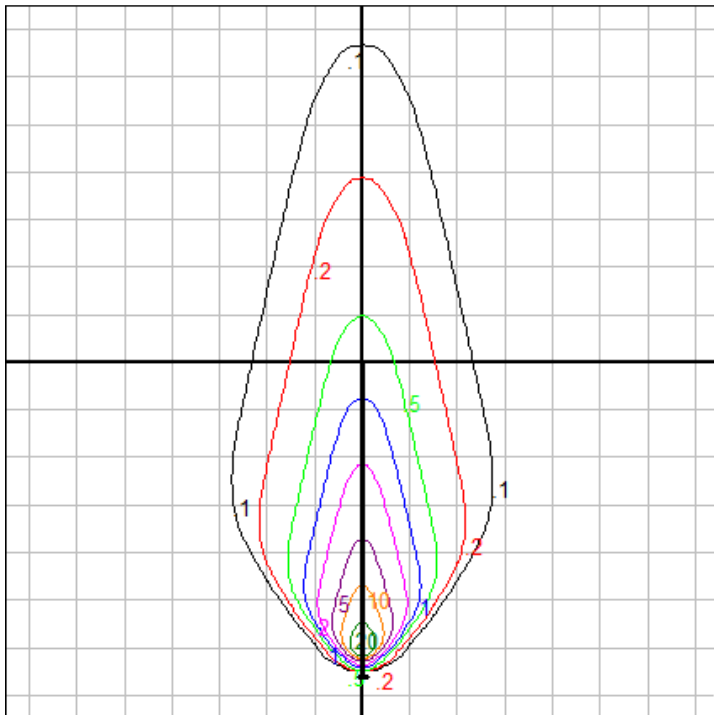


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	15521.3
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	16.0
Vertical Beam Angle (50%)	16.0
Horizontal Field Angle (10%)	47.8
Vertical Field Angle (10%)	47.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	606
Beam Efficiency	N.A.
Field Lumens	2089
Field Efficiency	N.A.
Spill Lumens	1037
Luminaire Lumens	3126
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

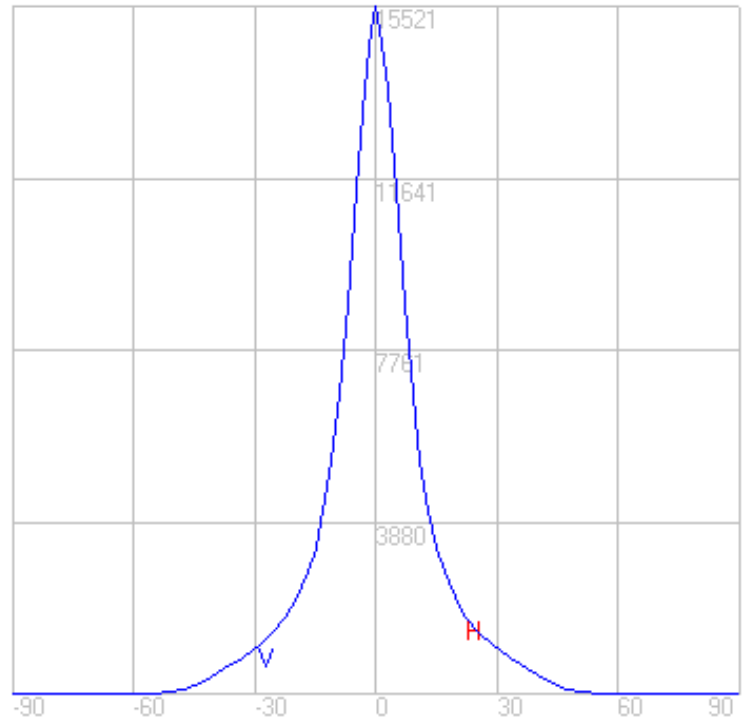
Zonal Lumen Summary

Zone	Lumens
0-10	902.29
10-20	954.51
20-30	666.36
30-40	438.13
40-50	140.96
50-60	21.40
60-70	6.32
70-80	0.49
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



Setback Distance: 2 ft.

Grid Spacing: 5 ft.



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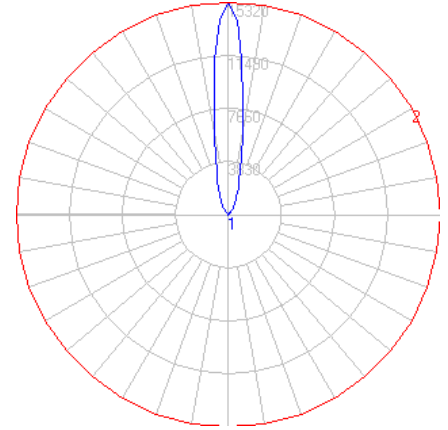
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BEGA

File: 84899K35_BEGA_IES.ies

TEST: BE_84899K4
TEST LAB: BEGA
DATE: 06/24/2021
LUMINAIRE: 84899K35
LAMP: 29.7W LED

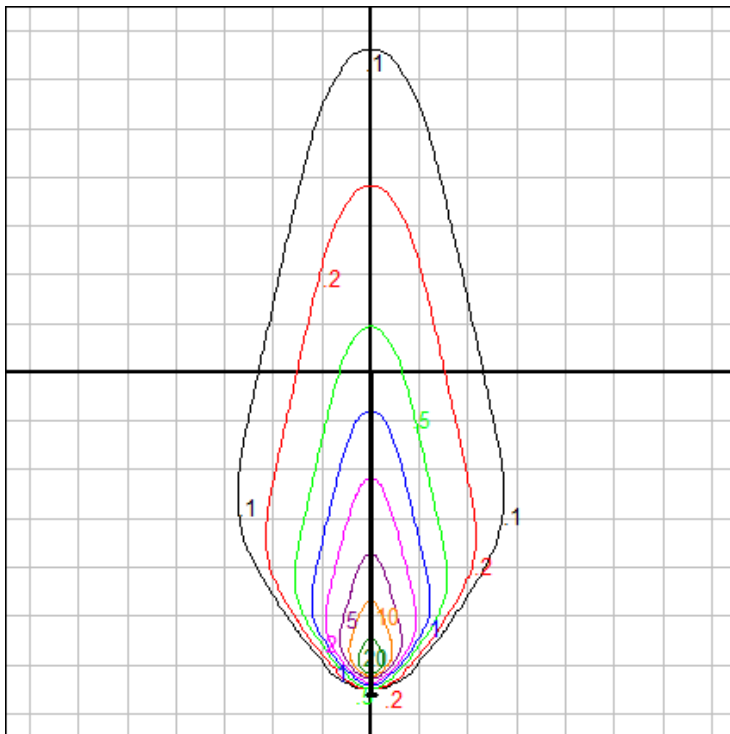


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	15319.523
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	16.0
Vertical Beam Angle (50%)	16.0
Horizontal Field Angle (10%)	47.8
Vertical Field Angle (10%)	47.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	598
Beam Efficiency	N.A.
Field Lumens	2062
Field Efficiency	N.A.
Spill Lumens	1024
Luminaire Lumens	3086
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

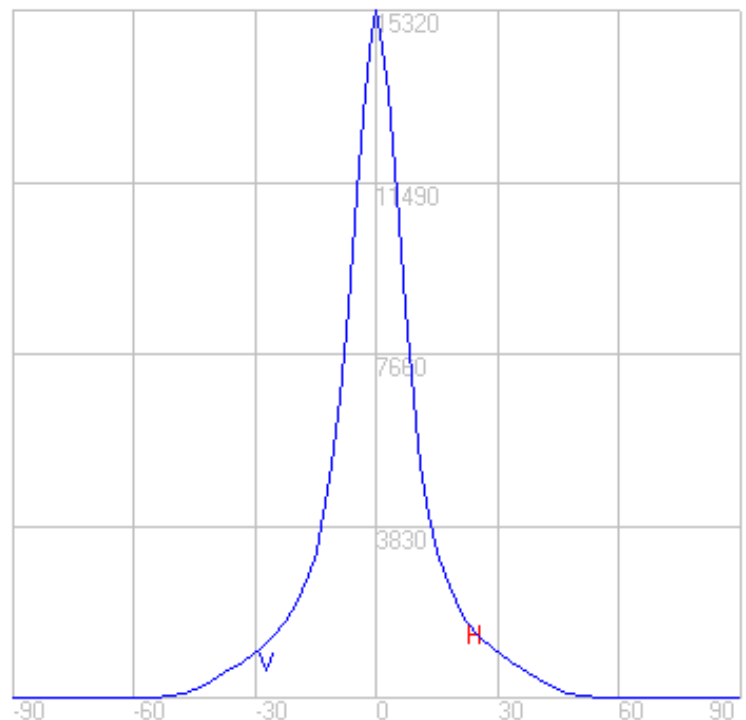
Zonal Lumen Summary

Zone	Lumens
0-10	890.56
10-20	942.10
20-30	657.70
30-40	432.43
40-50	139.13
50-60	21.12
60-70	6.24
70-80	0.49
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



Setback Distance: 2 ft.

Grid Spacing: 5 ft.



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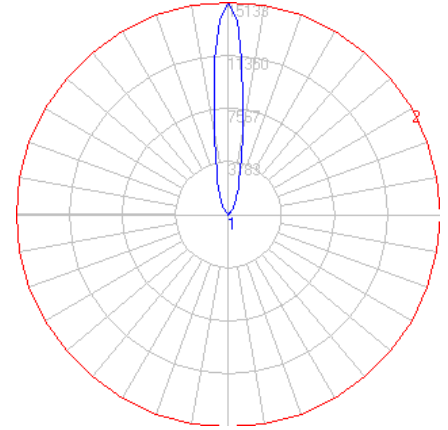
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BEGA

File: 84899K3_BEGA_IES.ies

TEST: BE_84899K4
TEST LAB: BEGA
DATE: 06/24/2021
LUMINAIRE: 84899K3
LAMP: 29.7W LED

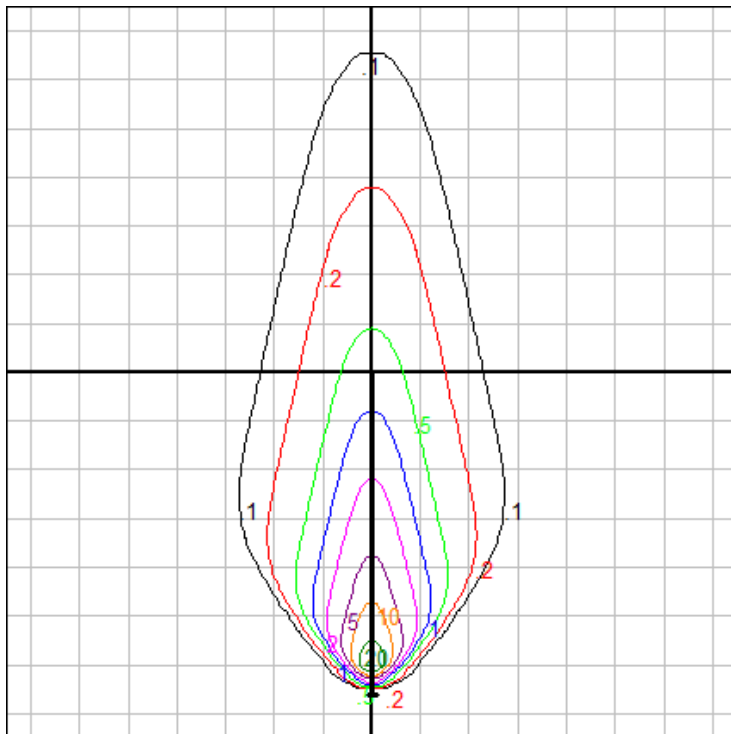


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	15133.268
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	16.0
Vertical Beam Angle (50%)	16.0
Horizontal Field Angle (10%)	47.8
Vertical Field Angle (10%)	47.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	591
Beam Efficiency	N.A.
Field Lumens	2037
Field Efficiency	N.A.
Spill Lumens	1011
Luminaire Lumens	3048
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

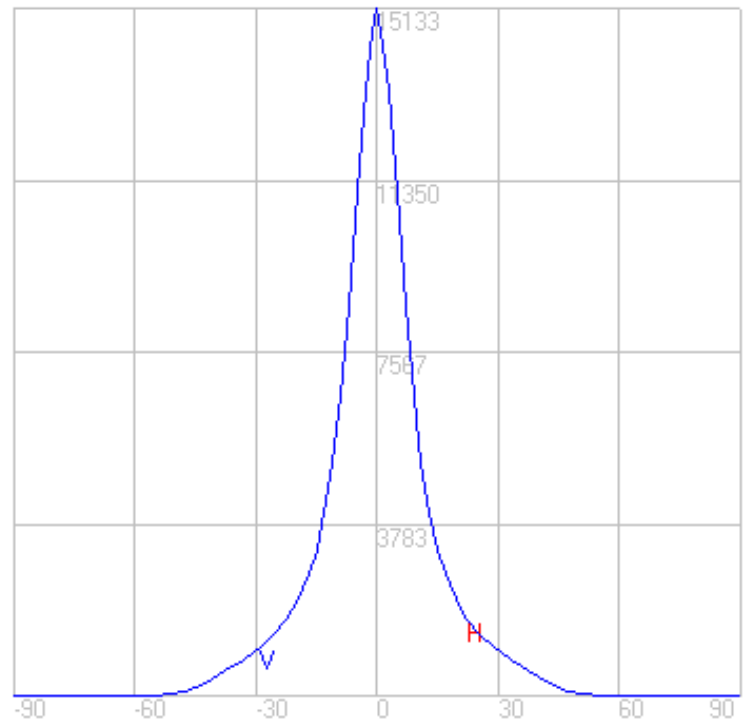
Zonal Lumen Summary

Zone	Lumens
0-10	879.73
10-20	930.64
20-30	649.70
30-40	427.17
40-50	137.44
50-60	20.87
60-70	6.17
70-80	0.48
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



Setback Distance: 2 ft.

Grid Spacing: 5 ft.



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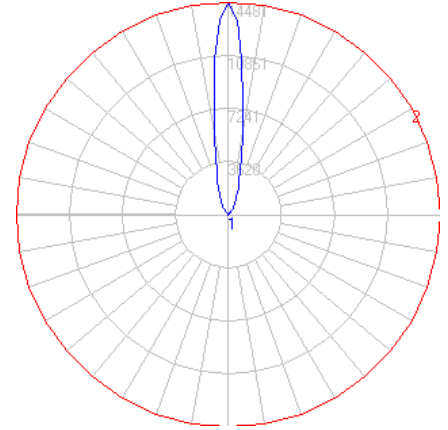
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BEGA

File: 84899K27_BEGA_IES.ies

TEST: BE_84899K4
TEST LAB: BEGA
DATE: 06/24/2021
LUMINAIRE: 84899K27
LAMP: 29.7W LED

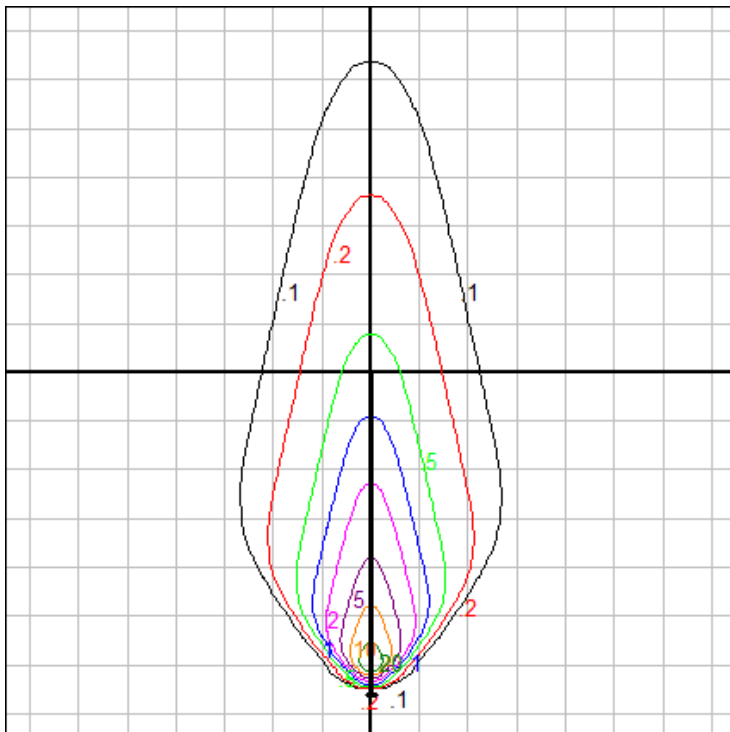


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	14481.373
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	16.0
Vertical Beam Angle (50%)	16.0
Horizontal Field Angle (10%)	47.8
Vertical Field Angle (10%)	47.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	565
Beam Efficiency	N.A.
Field Lumens	1949
Field Efficiency	N.A.
Spill Lumens	968
Luminaire Lumens	2917
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

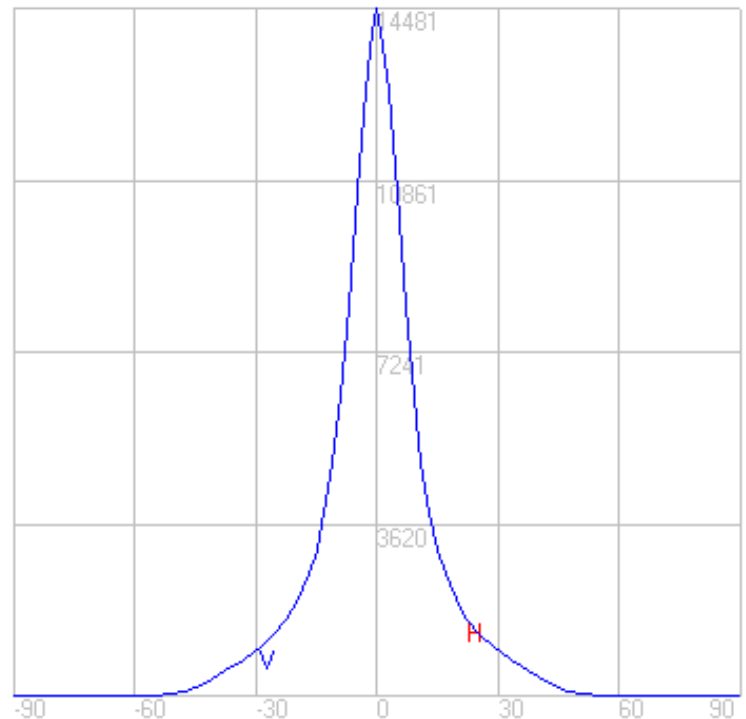
Zonal Lumen Summary

Zone	Lumens
0-10	841.84
10-20	890.55
20-30	621.71
30-40	408.77
40-50	131.52
50-60	19.97
60-70	5.90
70-80	0.46
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



Setback Distance: 2 ft.

Grid Spacing: 5 ft.



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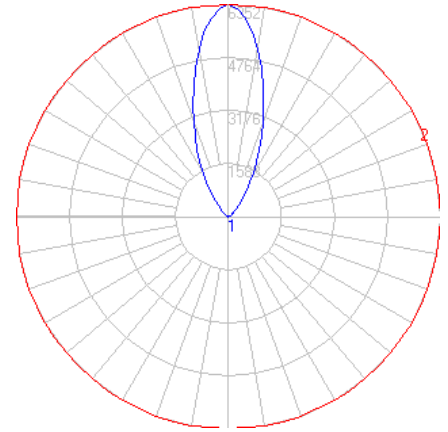
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BEGA

File: 84899K4_13608_BEGA_IES.ies

TEST: BE_84899K4
TEST LAB: BEGA
DATE: 06/24/2021
LUMINAIRE: 84899K4 + 13608 Elliptical Spread Lens
LAMP: 29.7W LED

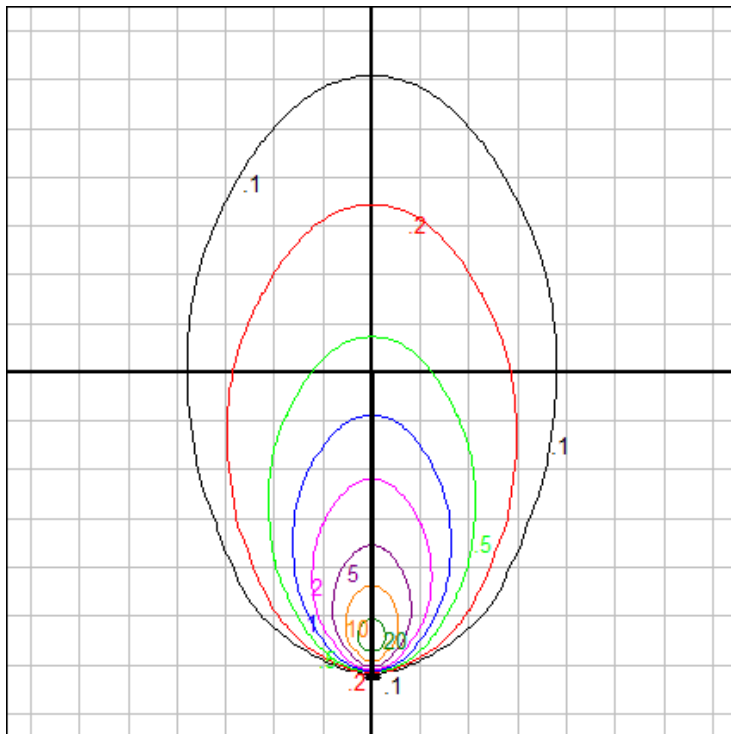


Characteristics

NEMA Type	5 H x 4 V
Maximum Candela	6352.1
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	38.6
Vertical Beam Angle (50%)	21.9
Horizontal Field Angle (10%)	78.7
Vertical Field Angle (10%)	70.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	856
Beam Efficiency	N.A.
Field Lumens	2301
Field Efficiency	N.A.
Spill Lumens	496
Luminaire Lumens	2797
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

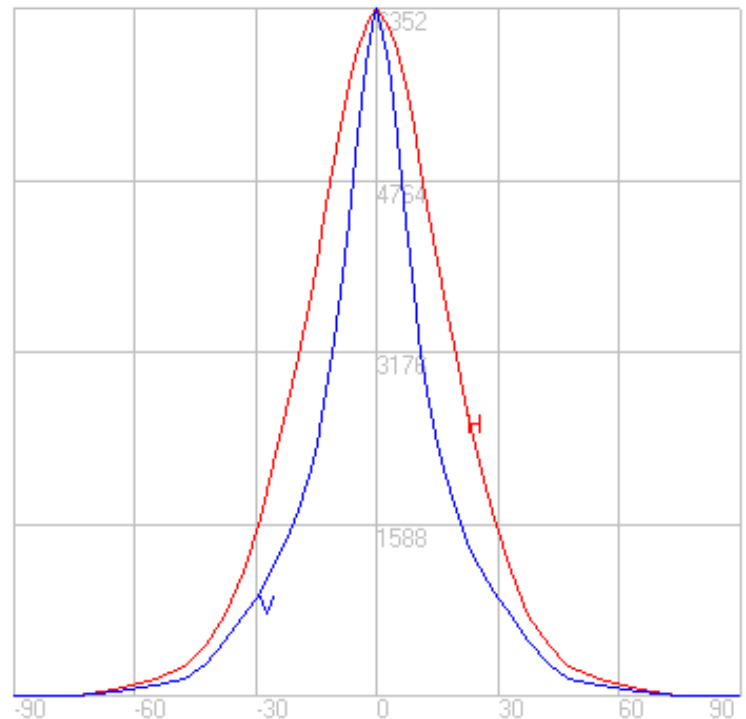
Zonal Lumen Summary

Zone	Lumens
0-10	483.46
10-20	821.21
20-30	697.24
30-40	454.10
40-50	215.69
50-60	85.12
60-70	32.46
70-80	3.42
80-90	0.21
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



Setback Distance: 2 ft.

Grid Spacing: 4 ft.



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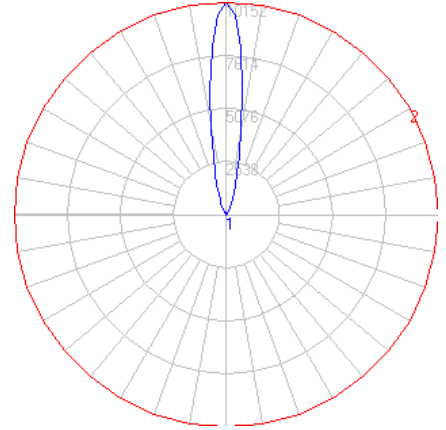
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File: 84899K4_71119_BEGA_IES.ies

TEST: BE_84899K4
TEST LAB: BEGA
DATE: 06/24/2021
LUMINAIRE: 84899K4 + 71119 Concentric Ring Louver
LAMP: 29.7W LED

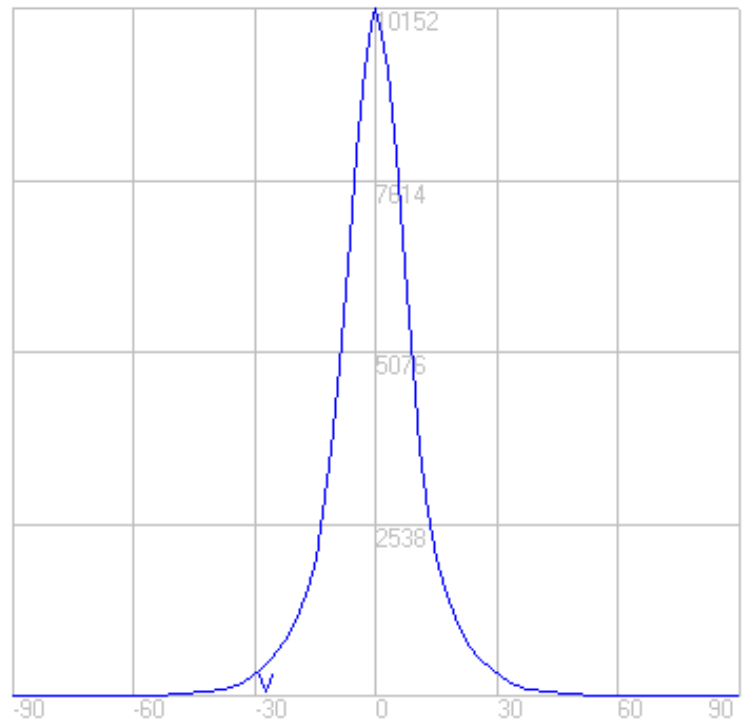
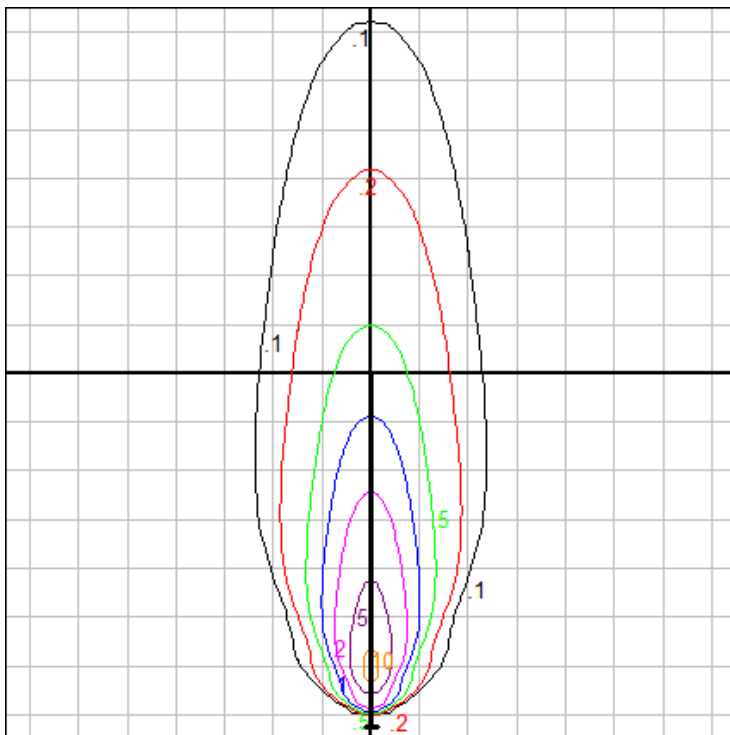


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	10152.4
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	17.4
Vertical Beam Angle (50%)	17.4
Horizontal Field Angle (10%)	41.5
Vertical Field Angle (10%)	41.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	527
Beam Efficiency	N.A.
Field Lumens	1229
Field Efficiency	N.A.
Spill Lumens	417
Luminaire Lumens	1646
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	635.17
10-20	595.83
20-30	283.80
30-40	91.40
40-50	32.35
50-60	10.60
60-70	0.64
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



Setback Distance: 2 ft.

Grid Spacing: 4 ft.

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