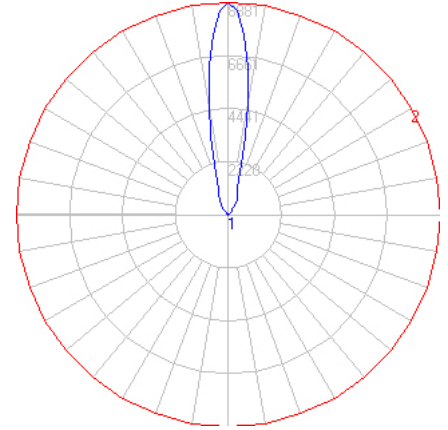


BEGA

File: 84896K4_BEGA_IES.ies

TEST: BE_84896K4
TEST LAB: BEGA
DATE: 07/22/2021
LUMINAIRE: 84896K4
LAMP: 17.7W LED

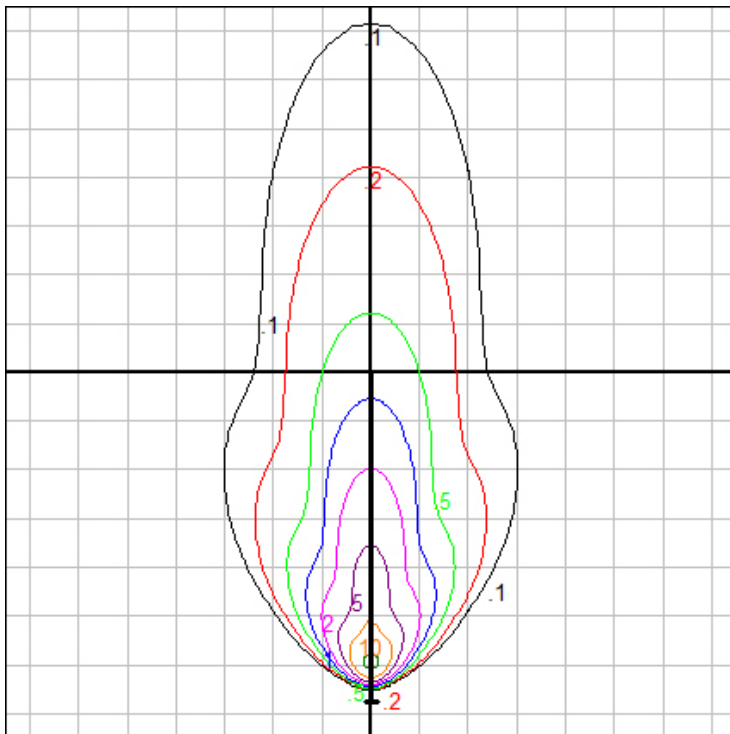


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	8881.1
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	21.2
Vertical Beam Angle (50%)	21.2
Horizontal Field Angle (10%)	51.4
Vertical Field Angle (10%)	51.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	681
Beam Efficiency	N.A.
Field Lumens	1531
Field Efficiency	N.A.
Spill Lumens	596
Luminaire Lumens	2127
Total Efficiency	N.A.
Total Luminaire Watts	21.0
Ballast Factor	1.00

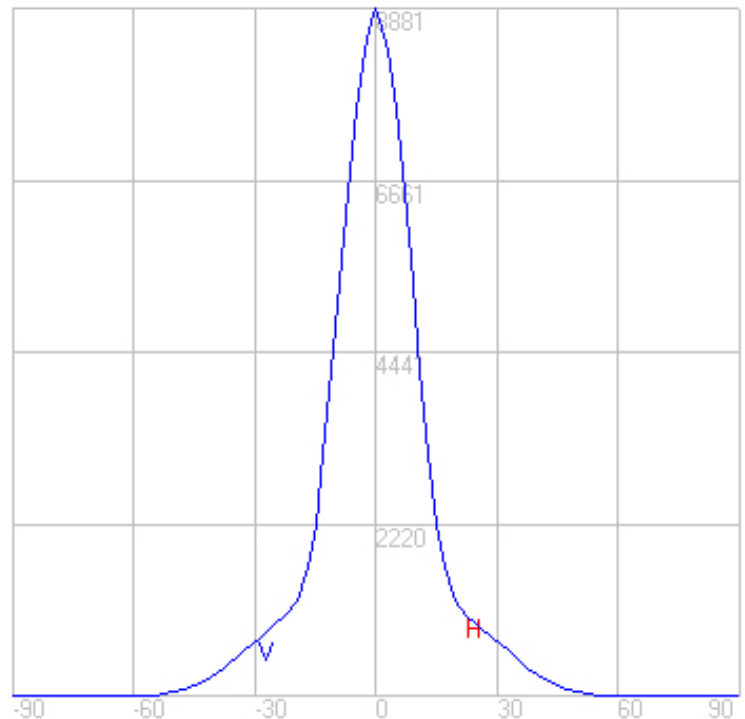
Zonal Lumen Summary

Zone	Lumens
0-10	632.46
10-20	658.69
20-30	421.88
30-40	296.47
40-50	103.69
50-60	15.39
60-70	0.21
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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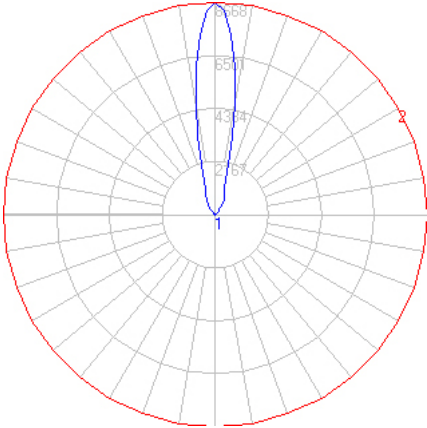
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BEGA

File: 84896K35_BEGA_IES.ies

TEST: BE_84896K4
TEST LAB: BEGA
DATE: 07/22/2021
LUMINAIRE: 84896K35
LAMP: 17.7W LED

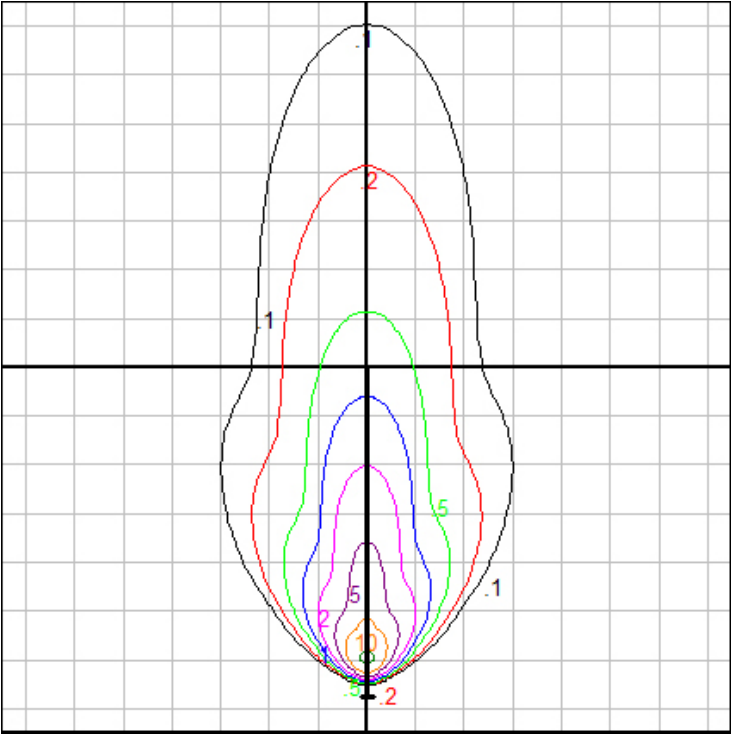


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	8667.953
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	21.2
Vertical Beam Angle (50%)	21.2
Horizontal Field Angle (10%)	51.4
Vertical Field Angle (10%)	51.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	665
Beam Efficiency	N.A.
Field Lumens	1494
Field Efficiency	N.A.
Spill Lumens	582
Luminaire Lumens	2076
Total Efficiency	N.A.
Total Luminaire Watts	21.0
Ballast Factor	1.00

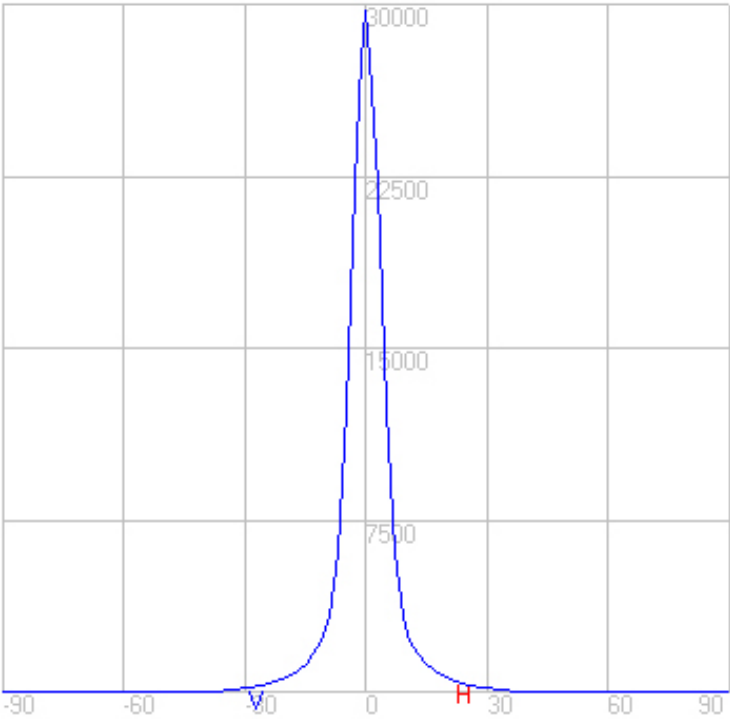
Zonal Lumen Summary

Zone	Lumens
0-10	617.28
10-20	642.88
20-30	411.76
30-40	289.36
40-50	101.20
50-60	15.02
60-70	0.20
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.

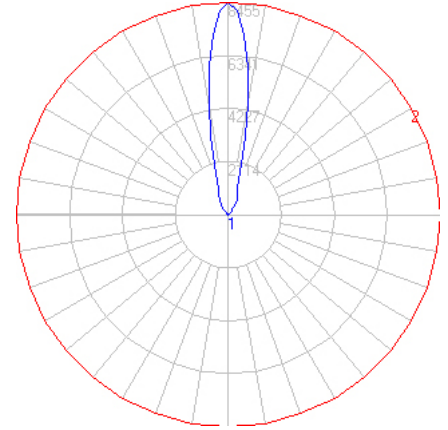


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BEGA

File: 84896K3_BEGA_IES.ies

TEST: BE_84896K4
TEST LAB: BEGA
DATE: 07/22/2021
LUMINAIRE: 84896K3
LAMP: 17.7W LED

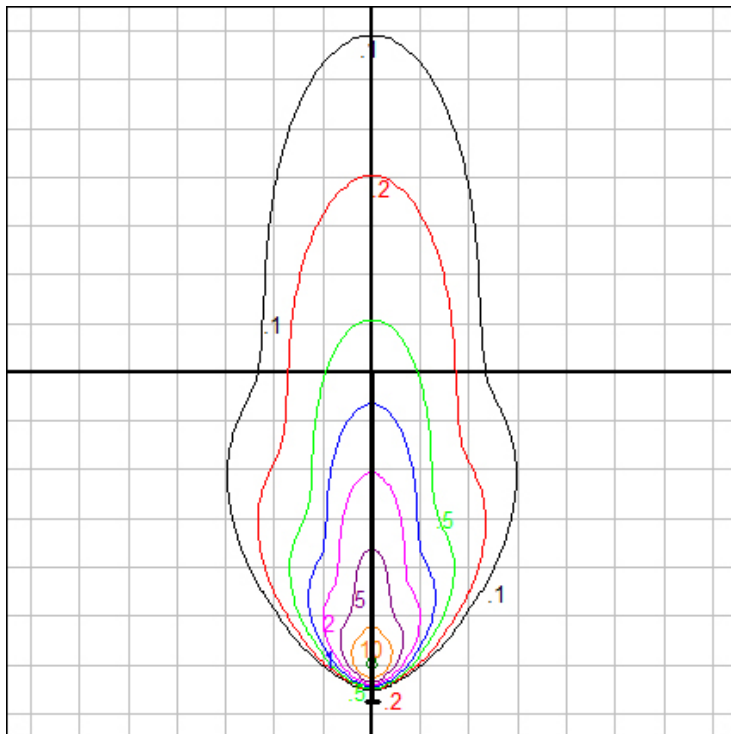


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	8454.807
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	21.2
Vertical Beam Angle (50%)	21.2
Horizontal Field Angle (10%)	51.4
Vertical Field Angle (10%)	51.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	648
Beam Efficiency	N.A.
Field Lumens	1457
Field Efficiency	N.A.
Spill Lumens	567
Luminaire Lumens	2025
Total Efficiency	N.A.
Total Luminaire Watts	21.0
Ballast Factor	1.00

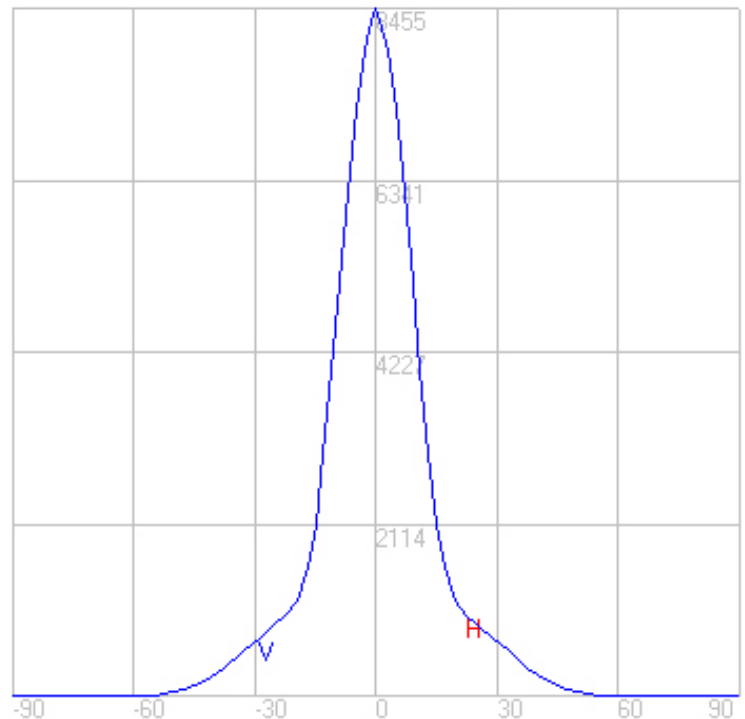
Zonal Lumen Summary

Zone	Lumens
0-10	602.10
10-20	627.07
20-30	401.63
30-40	282.24
40-50	98.71
50-60	14.65
60-70	0.20
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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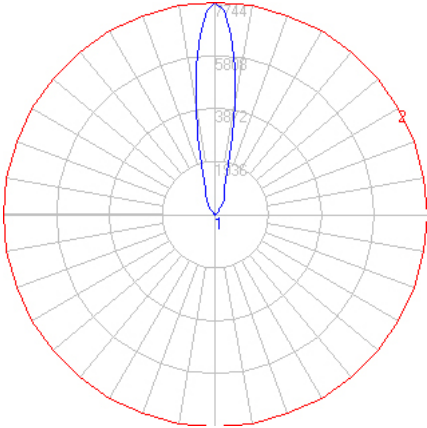
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BEGA

File: 84896K27_BEGA_IES.ies

TEST: BE_84896K4
TEST LAB: BEGA
DATE: 07/22/2021
LUMINAIRE: 84896K27
LAMP: 17.7W LED

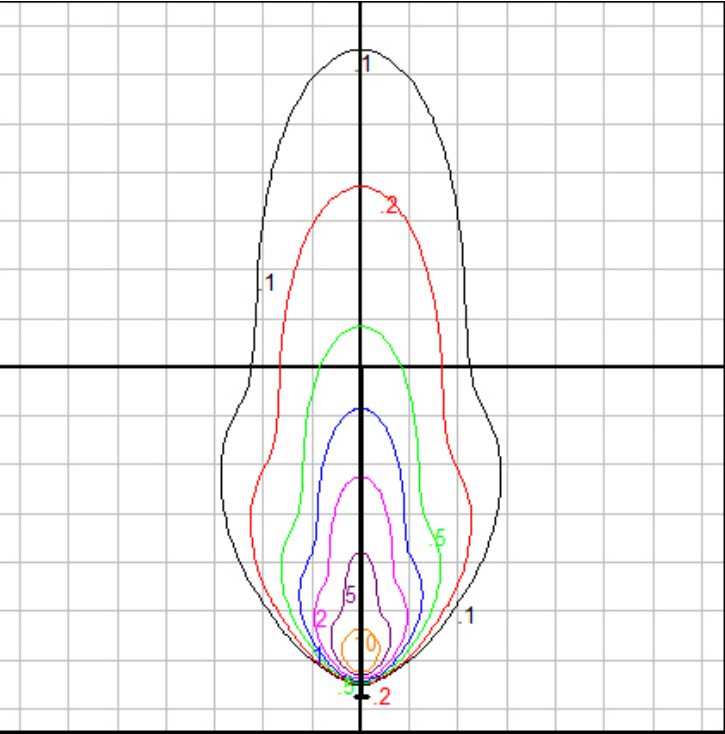


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	7744.319
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	21.2
Vertical Beam Angle (50%)	21.2
Horizontal Field Angle (10%)	51.4
Vertical Field Angle (10%)	51.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	594
Beam Efficiency	N.A.
Field Lumens	1335
Field Efficiency	N.A.
Spill Lumens	520
Luminaire Lumens	1854
Total Efficiency	N.A.
Total Luminaire Watts	21.0
Ballast Factor	1.00

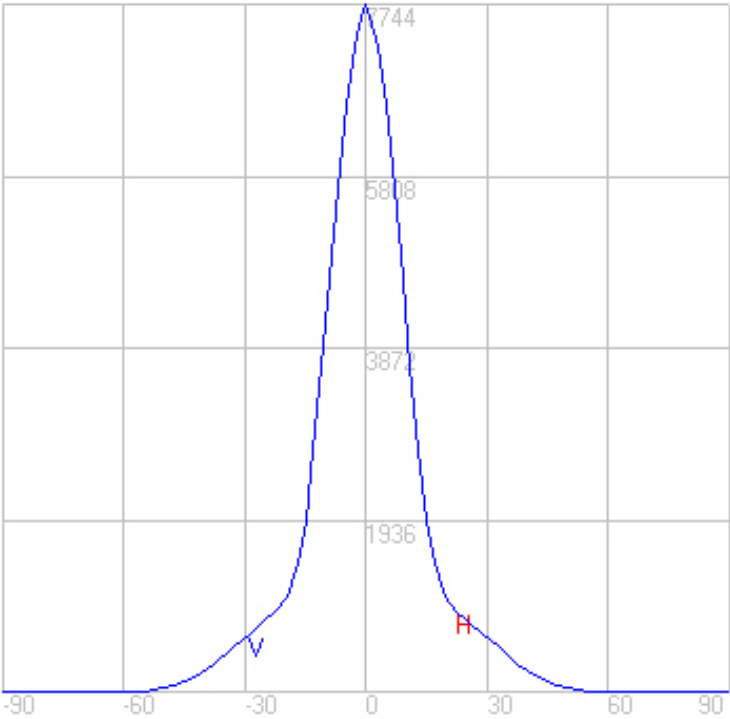
Zonal Lumen Summary

Zone	Lumens
0-10	551.50
10-20	574.37
20-30	367.88
30-40	258.52
40-50	90.42
50-60	13.42
60-70	0.18
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.

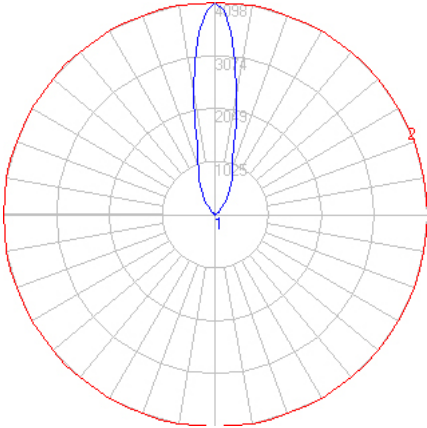


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BEGA

File: 84896K4_10014_BEGA_IES.ies

TEST: BE_84896K4
TEST LAB: BEGA
DATE: 07/22/2021
LUMINAIRE: 84896K4 + 10014 Elliptical Spread Lens
LAMP: 17.7W LED

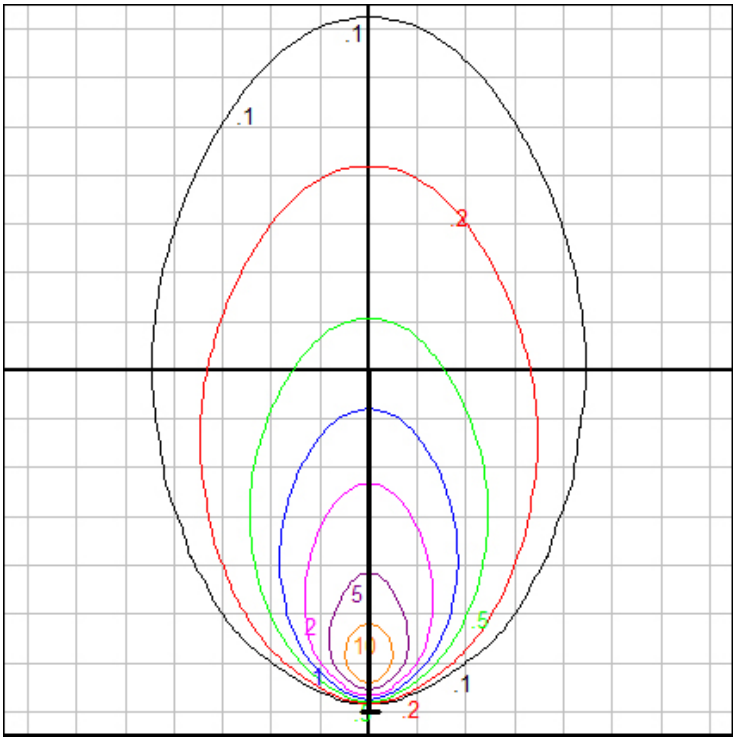


Characteristics

NEMA Type	5 H x 4 V
Maximum Candela	4098.2
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	38.7
Vertical Beam Angle (50%)	22.9
Horizontal Field Angle (10%)	81.5
Vertical Field Angle (10%)	68.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	594
Beam Efficiency	N.A.
Field Lumens	1484
Field Efficiency	N.A.
Spill Lumens	304
Luminaire Lumens	1789
Total Efficiency	N.A.
Total Luminaire Watts	21.0
Ballast Factor	1.00

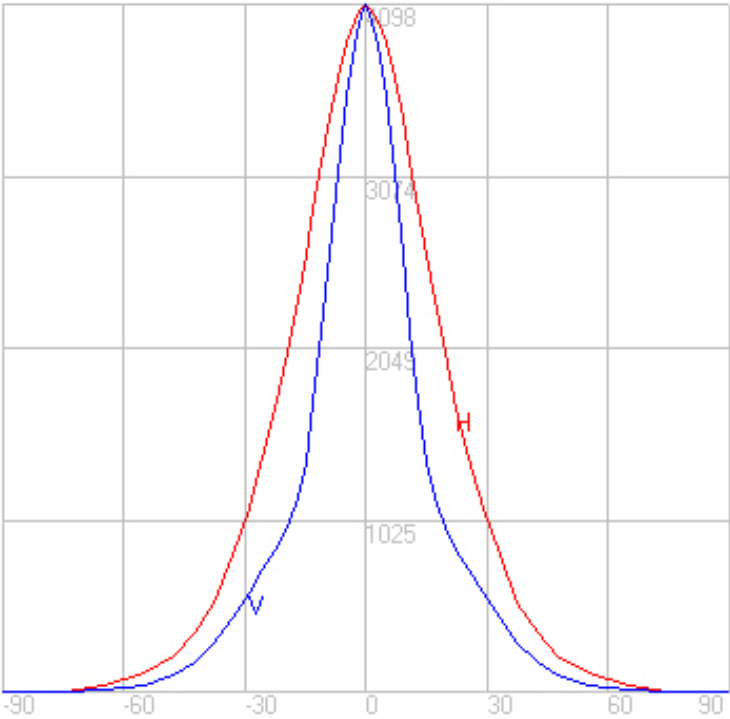
Zonal Lumen Summary

Zone	Lumens
0-10	324.70
10-20	534.79
20-30	433.50
30-40	285.57
40-50	141.71
50-60	50.05
60-70	14.17
70-80	1.26
80-90	0.01
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: 2ft.

Grid Spacing: 3ft.



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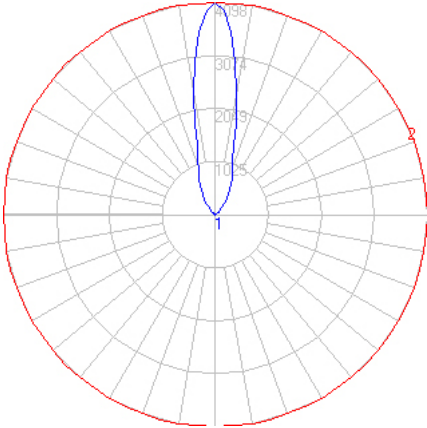
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File: 84896K4_71215_BEGA_IES.ies

TEST: BE_84896K4
TEST LAB: BEGA
DATE: 07/22/2021
LUMINAIRE: 84896K4 + 71215 Integral Louvre
LAMP: 17.7W LED

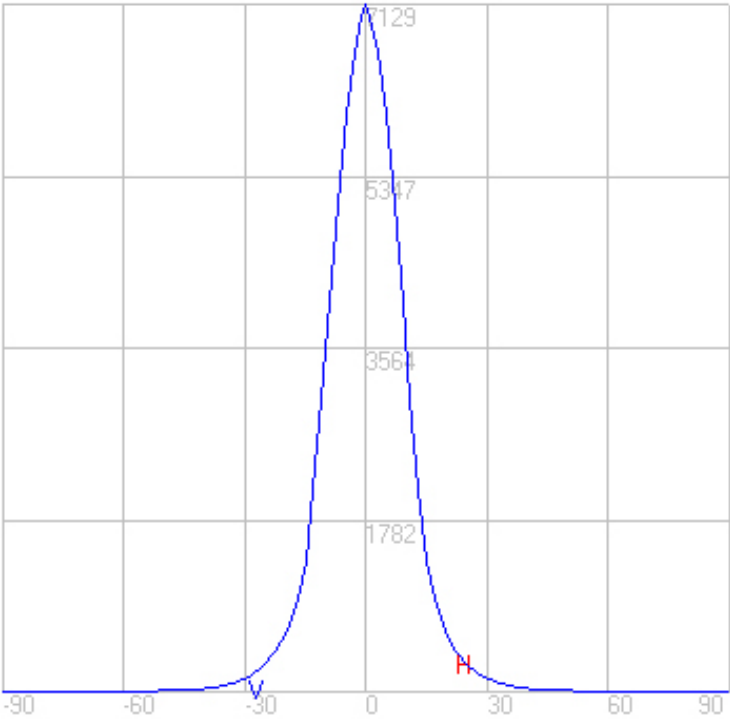
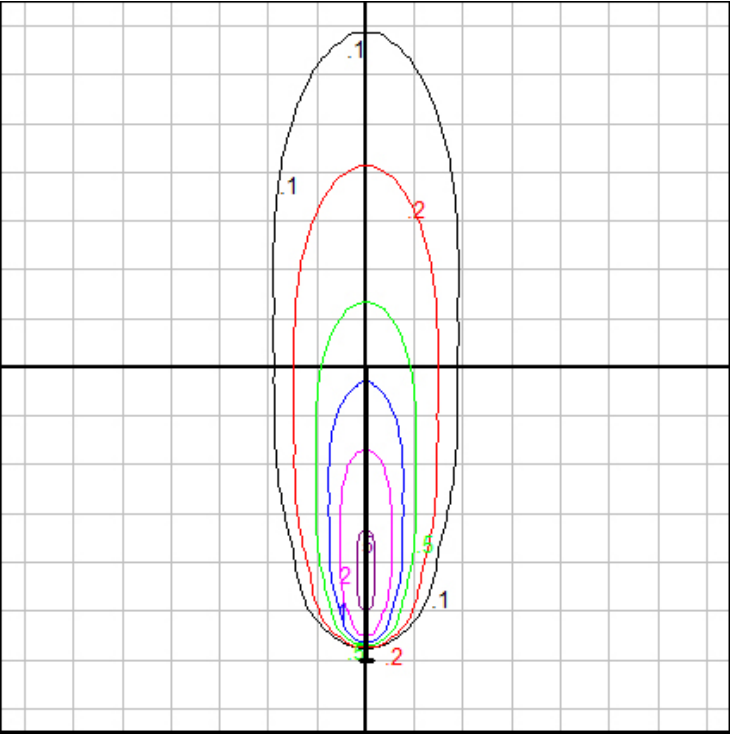


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	7128.9
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	20.0
Vertical Beam Angle (50%)	20.0
Horizontal Field Angle (10%)	37.8
Vertical Field Angle (10%)	37.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	443
Beam Efficiency	N.A.
Field Lumens	890
Field Efficiency	N.A.
Spill Lumens	237
Luminaire Lumens	1127
Total Efficiency	N.A.
Total Luminaire Watts	21.0
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	492.55
10-20	423.90
20-30	140.19
30-40	45.92
40-50	20.12
50-60	7.01
60-70	0.74
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: 2ft.

Grid Spacing: 4ft.

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