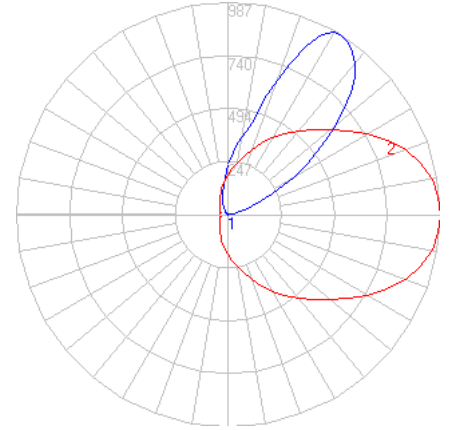


BEGA

File: 84153K4_BEGA_IES.ies

TEST: BE_84153K4
TEST LAB: BEGA
DATE: 7/19/2019
LUMINAIRE: 84 153K4
LAMP: 7.8W LED

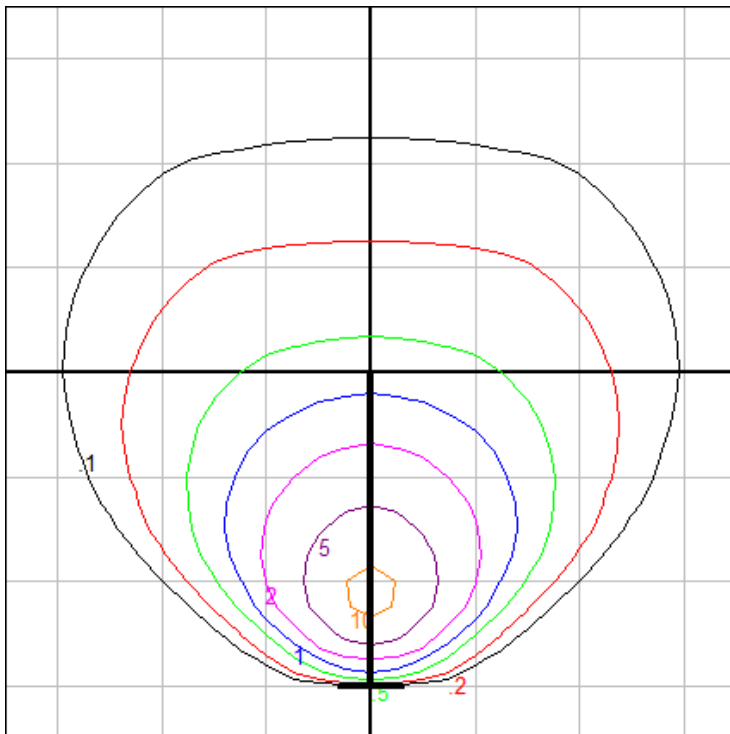


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	984.7
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	55.1
Vertical Beam Angle (50%)	39.6
Horizontal Field Angle (10%)	101.6
Vertical Field Angle (10%)	89.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	374
Beam Efficiency	N.A.
Field Lumens	758
Field Efficiency	N.A.
Spill Lumens	80
Luminaire Lumens	838
Total Efficiency	N.A.
Total Luminaire Watts	12
Ballast Factor	1.00

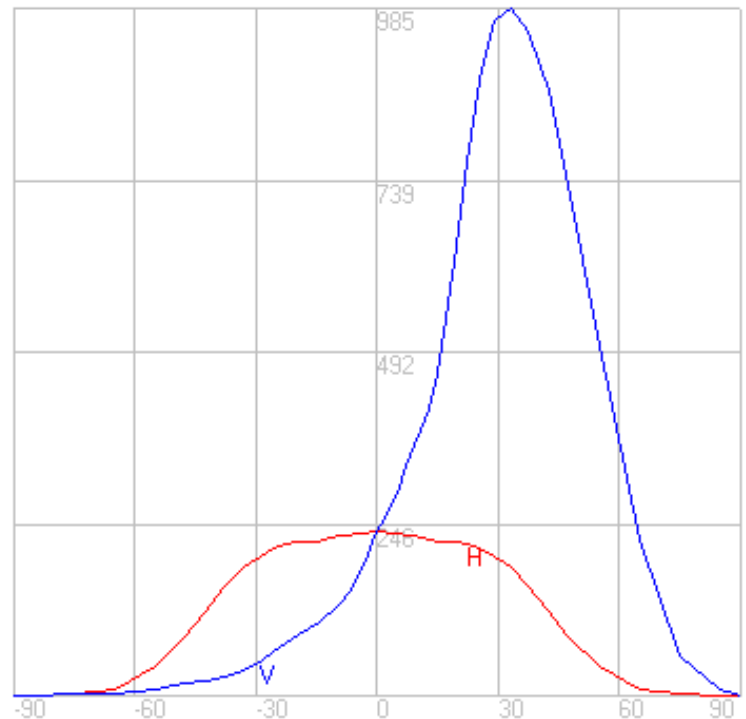
Zonal Lumen Summary

Zone	Lumens
0-10	22.23
10-20	73.71
20-30	148.32
30-40	198.75
40-50	186.84
50-60	127.59
60-70	57.58
70-80	16.52
80-90	2.82
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: 5 ft.

Grid Spacing: 5 ft.



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

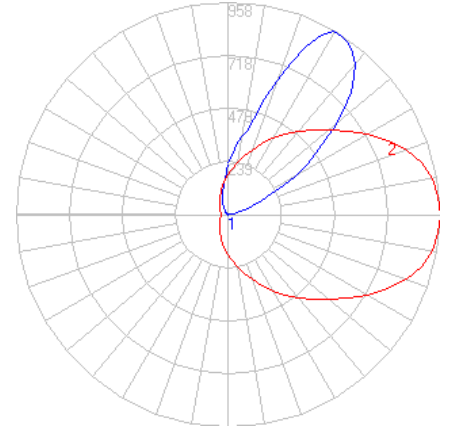
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BEGA

File: 84153K35_BEGA_IES.ies

TEST: BE_84153K4
TEST LAB: BEGA
DATE: 7/19/2019
LUMINAIRE: 84 153K35
LAMP: 7.8W LED

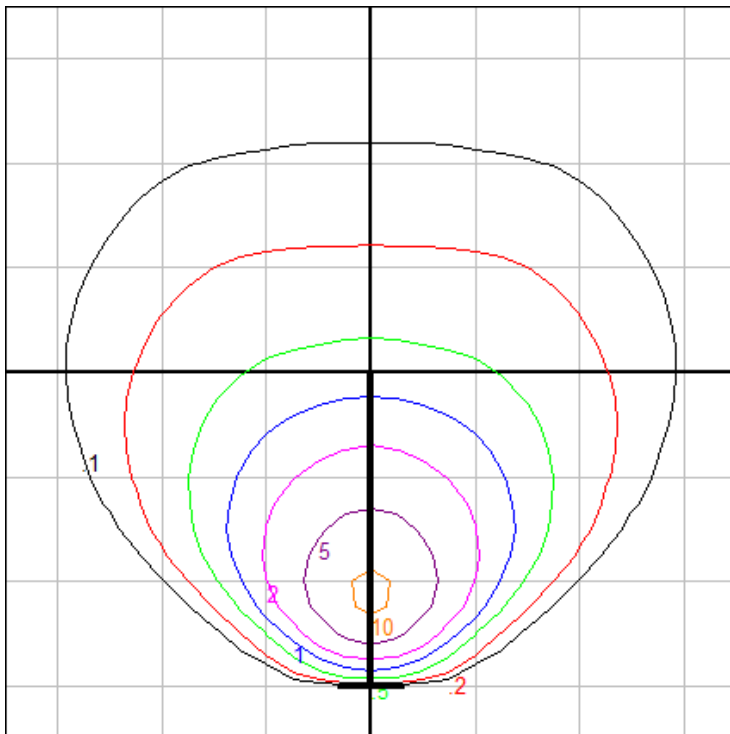


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	955.178
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	55.1
Vertical Beam Angle (50%)	39.6
Horizontal Field Angle (10%)	101.6
Vertical Field Angle (10%)	89.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	363
Beam Efficiency	N.A.
Field Lumens	735
Field Efficiency	N.A.
Spill Lumens	78
Luminaire Lumens	813
Total Efficiency	N.A.
Total Luminaire Watts	12
Ballast Factor	1.00

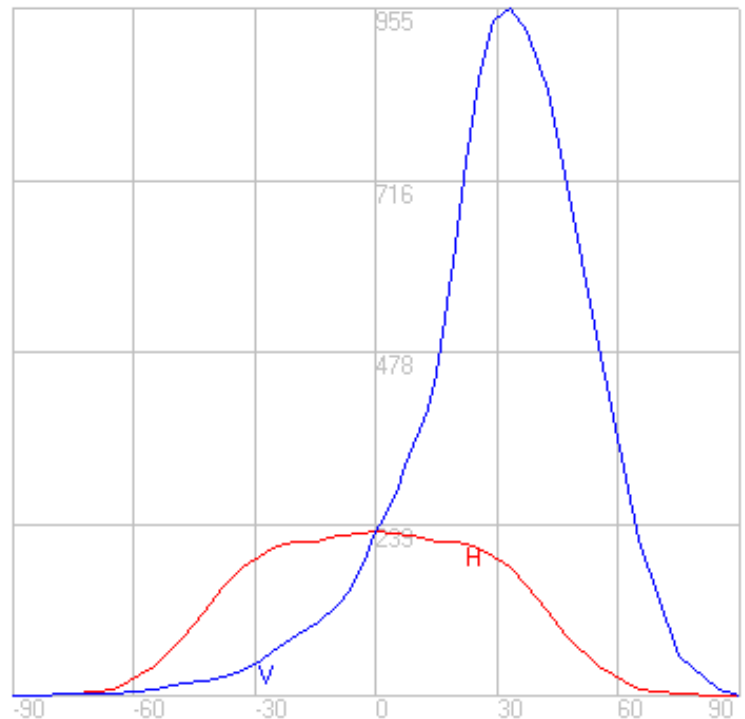
Zonal Lumen Summary

Zone	Lumens
0-10	21.56
10-20	71.49
20-30	143.87
30-40	192.78
40-50	181.23
50-60	123.76
60-70	55.84
70-80	16.01
80-90	2.73
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: 5 ft.

Grid Spacing: 5 ft.



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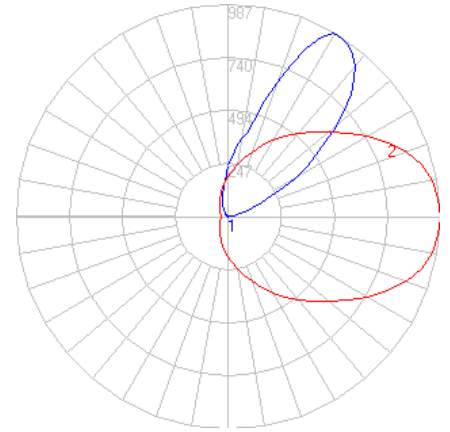
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BEGA

File: 84153K3_BEGA_IES.ies

TEST: BE_84153K4
TEST LAB: BEGA
DATE: 7/19/2019
LUMINAIRE: 84 153K3
LAMP: 7.8W LED

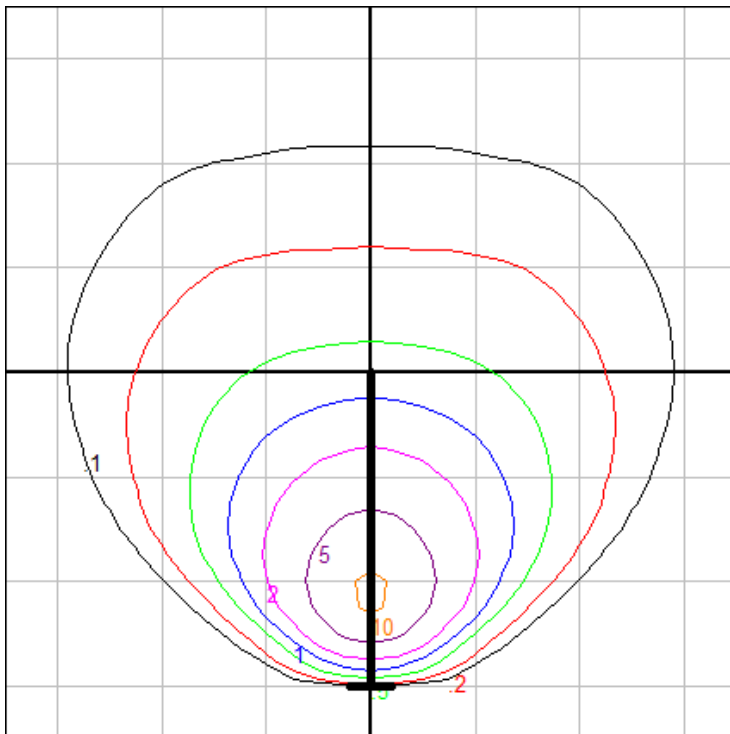


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	935.484
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	55.1
Vertical Beam Angle (50%)	39.6
Horizontal Field Angle (10%)	101.6
Vertical Field Angle (10%)	89.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	355
Beam Efficiency	N.A.
Field Lumens	720
Field Efficiency	N.A.
Spill Lumens	76
Luminaire Lumens	796
Total Efficiency	N.A.
Total Luminaire Watts	12
Ballast Factor	1.00

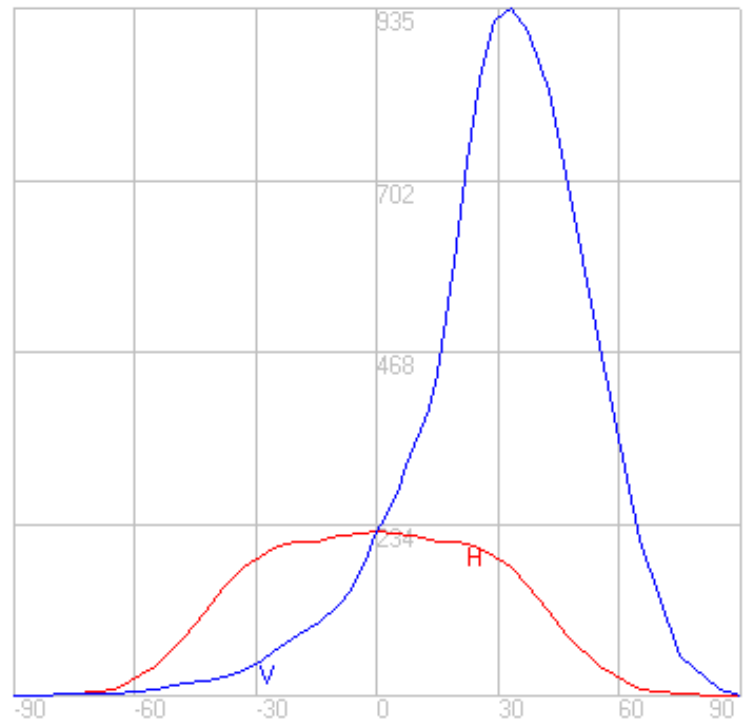
Zonal Lumen Summary

Zone	Lumens
0-10	21.12
10-20	70.02
20-30	140.90
30-40	188.81
40-50	177.49
50-60	121.20
60-70	54.69
70-80	15.68
80-90	2.67
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: 5 ft.

Grid Spacing: 5 ft.



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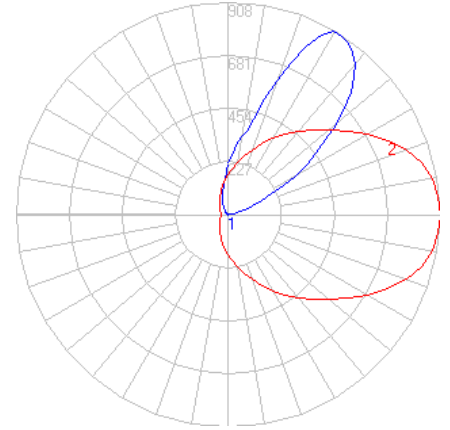
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BEGA

File: 84153K27_BEGA_IES.ies

TEST: BE_84153K4
TEST LAB: BEGA
DATE: 7/19/2019
LUMINAIRE: 84 153K27
LAMP: 7.8W LED

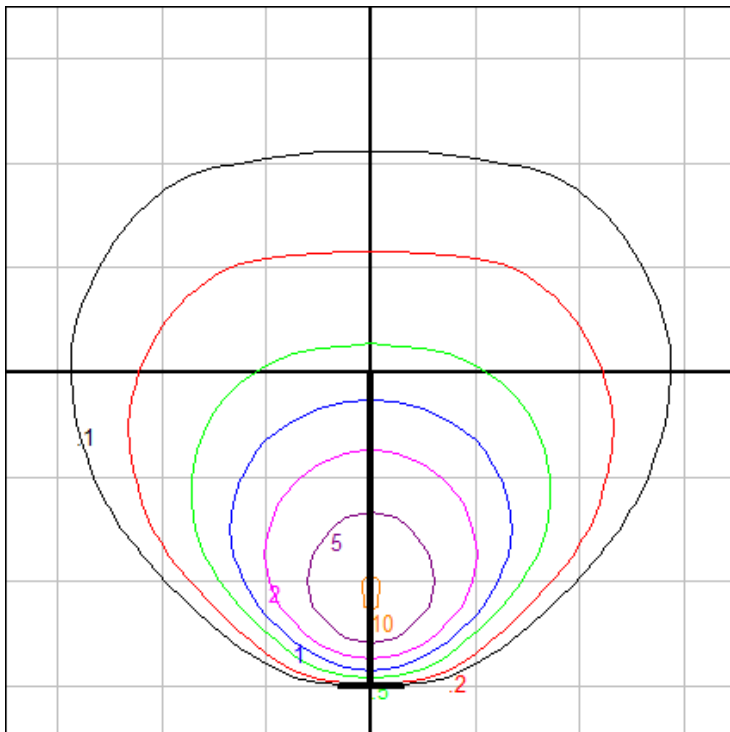


Characteristics

NEMA Type	6 H x 5 V
Maximum Candela	905.942
Maximum Candela Angle	0 H 33 V
Horizontal Beam Angle (50%)	55.1
Vertical Beam Angle (50%)	39.6
Horizontal Field Angle (10%)	101.6
Vertical Field Angle (10%)	89.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	344
Beam Efficiency	N.A.
Field Lumens	697
Field Efficiency	N.A.
Spill Lumens	74
Luminaire Lumens	771
Total Efficiency	N.A.
Total Luminaire Watts	12
Ballast Factor	1.00

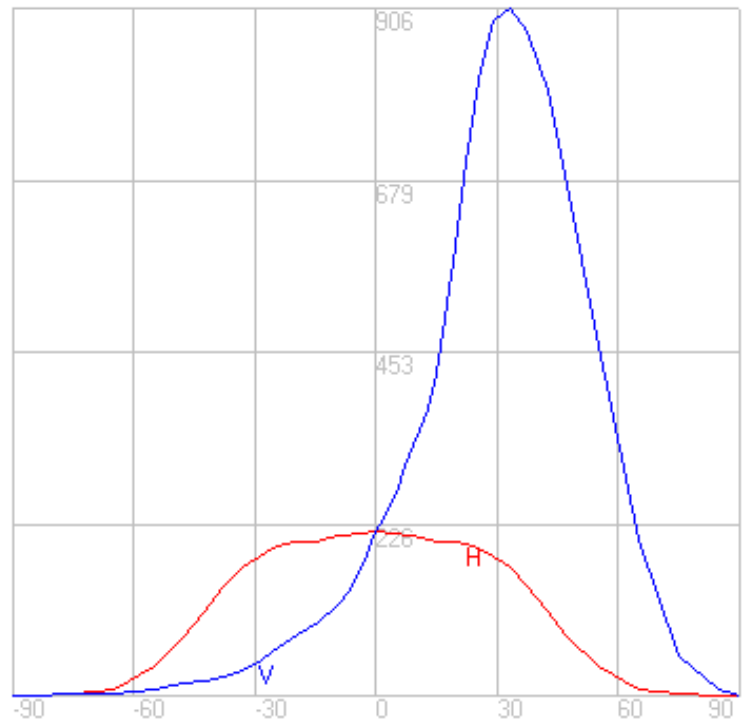
Zonal Lumen Summary

Zone	Lumens
0-10	20.45
10-20	67.81
20-30	136.45
30-40	182.85
40-50	171.89
50-60	117.38
60-70	52.96
70-80	15.19
80-90	2.59
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: 5 ft.

Grid Spacing: 5 ft.



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