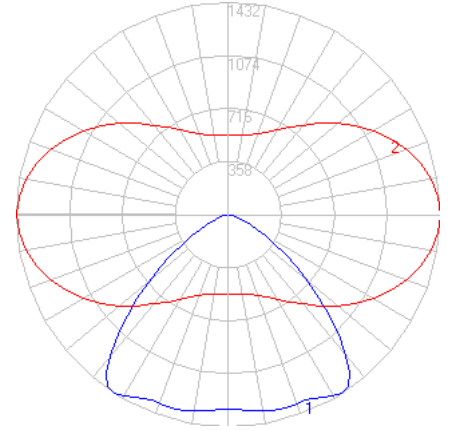


BEGA

File: 24514K4_BEGA_IES.ies

TEST: BE_24514K4
TEST LAB: BEGA
DATE: 12/12/2022
LUMINAIRE: 24 514K4
LAMP: 16.8W LED

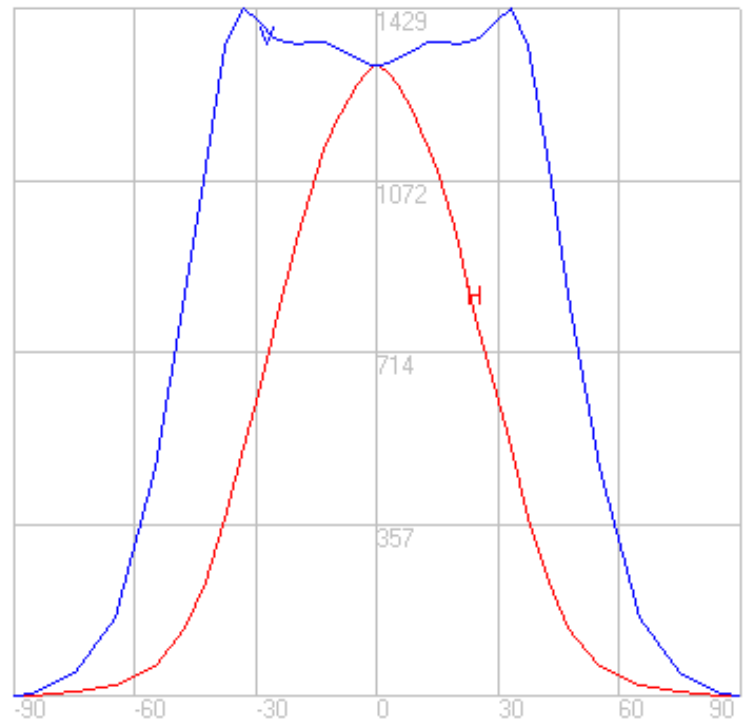
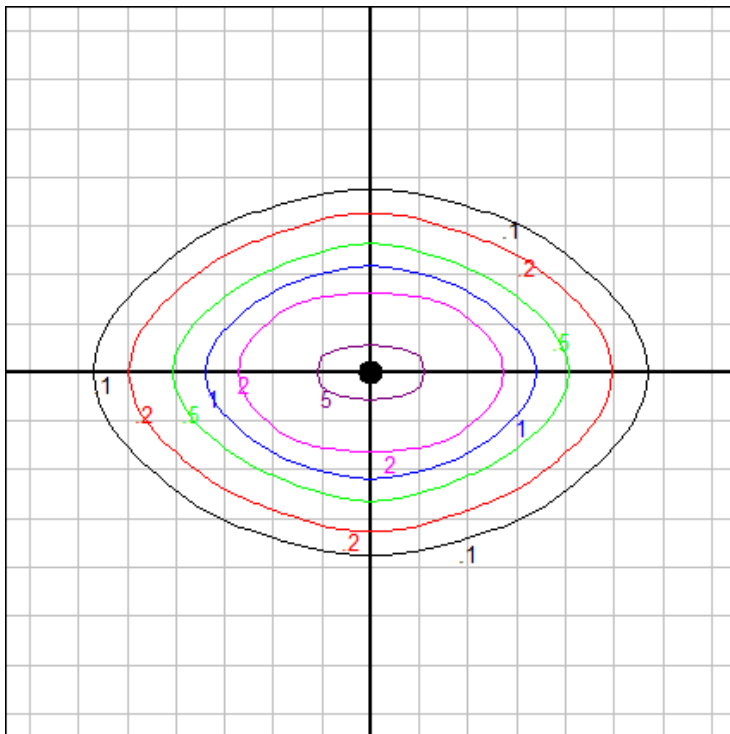


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1428.9
Maximum Candela Angle	0 H -33 V
Horizontal Beam Angle (50%)	42.3
Vertical Beam Angle (50%)	99.9
Horizontal Field Angle (10%)	79.6
Vertical Field Angle (10%)	133.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1399
Beam Efficiency	N.A.
Field Lumens	1942
Field Efficiency	N.A.
Spill Lumens	119
Luminaire Lumens	2061
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	122.95
10-20	344.09
20-30	496.83
30-40	512.21
40-50	326.54
50-60	161.39
60-70	63.39
70-80	21.02
80-90	3.02
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: 5 ft.

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

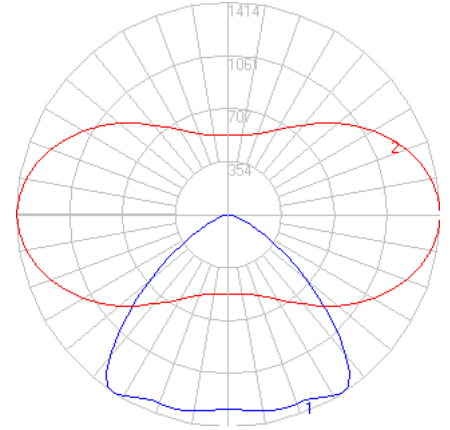
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BEGA

File: 24514K35_BEGA_IES.ies

TEST: BE_24514K4
TEST LAB: BEGA
DATE: 12/12/2022
LUMINAIRE: 24 514K35
LAMP: 16.8W LED

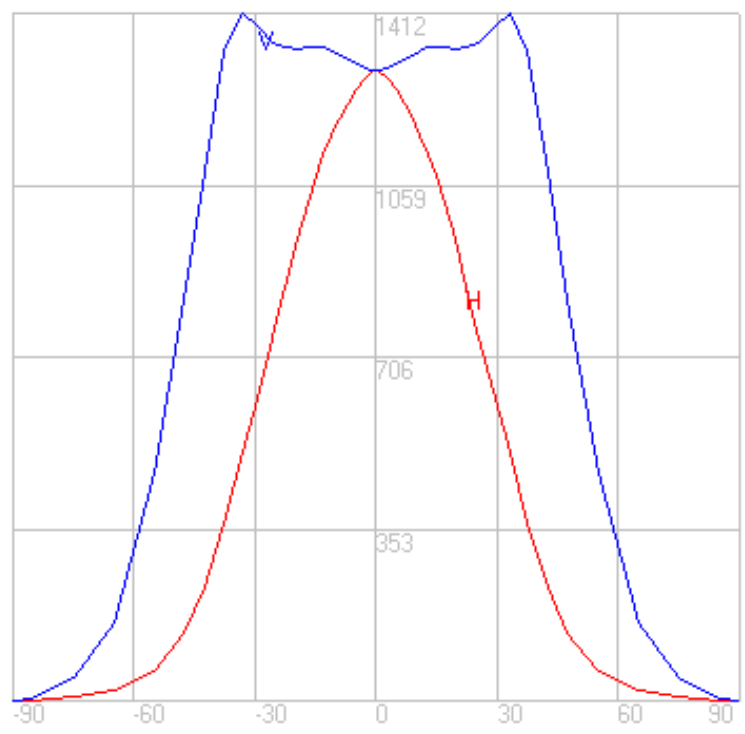
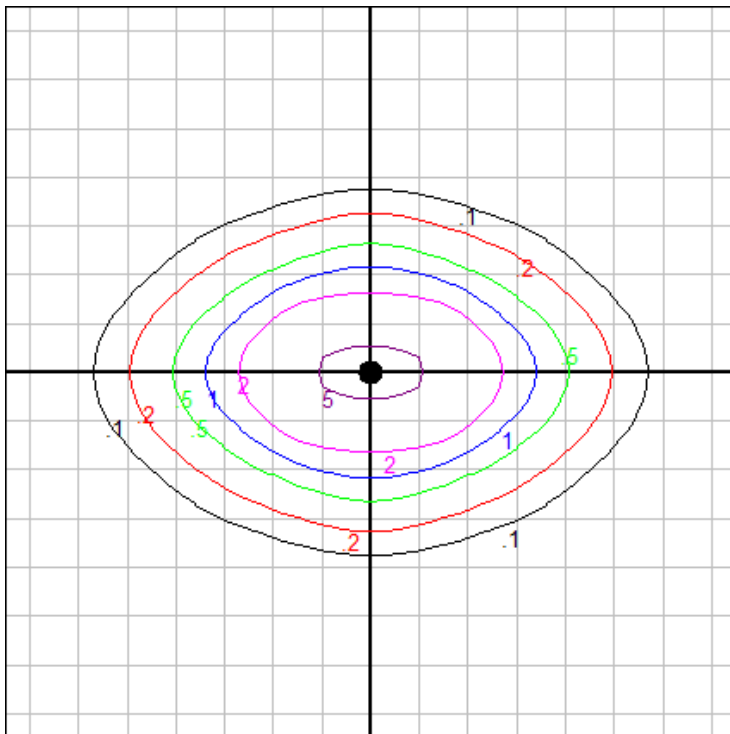


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1411.773
Maximum Candela Angle	0 H -33 V
Horizontal Beam Angle (50%)	42.3
Vertical Beam Angle (50%)	99.9
Horizontal Field Angle (10%)	79.6
Vertical Field Angle (10%)	133.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1382
Beam Efficiency	N.A.
Field Lumens	1918
Field Efficiency	N.A.
Spill Lumens	117
Luminaire Lumens	2036
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	121.47
10-20	339.97
20-30	490.87
30-40	506.06
40-50	322.62
50-60	159.45
60-70	62.63
70-80	20.76
80-90	2.99
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: 5 ft.

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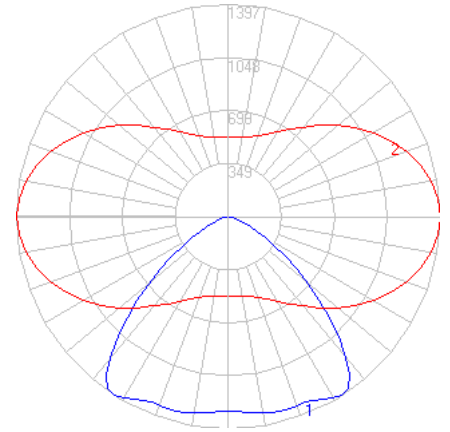
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File: 24514K3_BEGA_IES.ies

TEST: BE_24514K4
TEST LAB: BEGA
DATE: 12/12/2022
LUMINAIRE: 24 514K3
LAMP: 16.8W LED

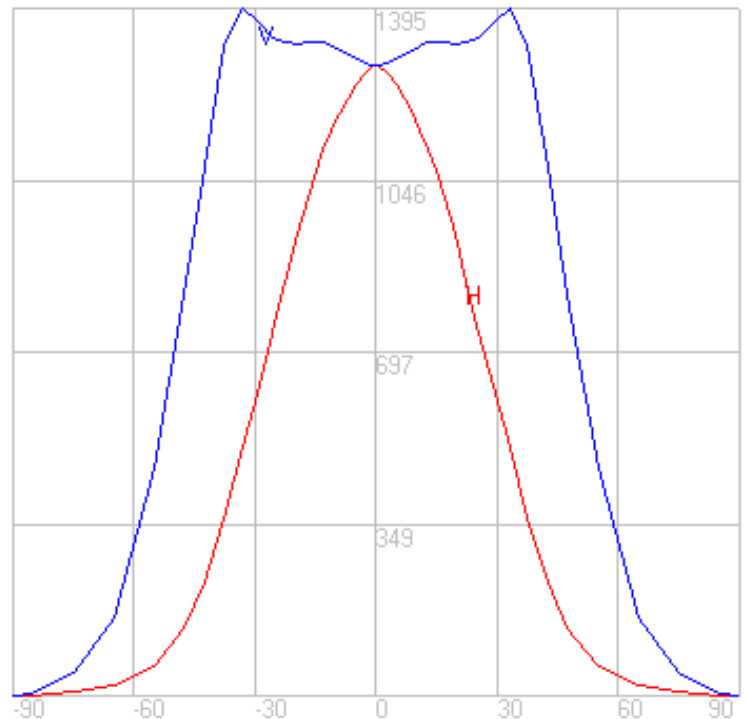
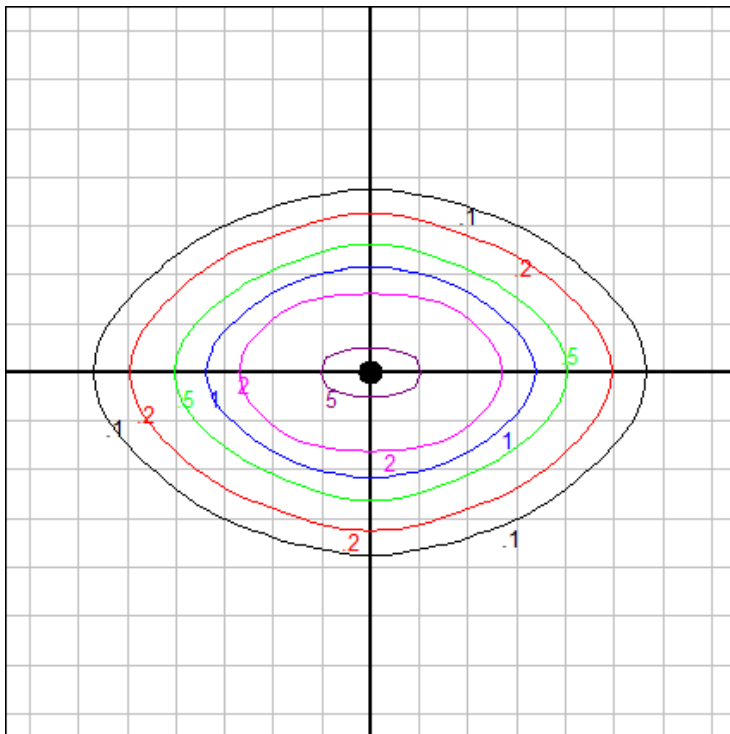


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1394.626
Maximum Candela Angle	0 H -33 V
Horizontal Beam Angle (50%)	42.3
Vertical Beam Angle (50%)	99.9
Horizontal Field Angle (10%)	79.6
Vertical Field Angle (10%)	133.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1365
Beam Efficiency	N.A.
Field Lumens	1895
Field Efficiency	N.A.
Spill Lumens	116
Luminaire Lumens	2011
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	120.00
10-20	335.84
20-30	484.91
30-40	499.92
40-50	318.70
50-60	157.52
60-70	61.87
70-80	20.51
80-90	2.95
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: 5 ft.

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

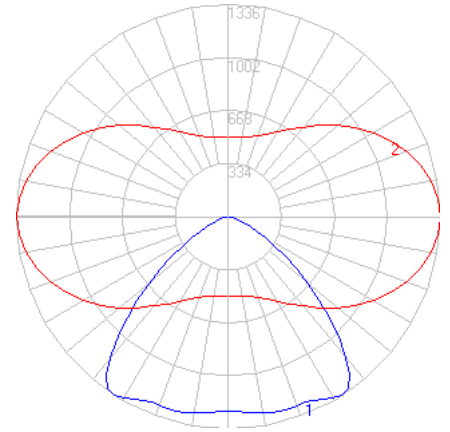
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BEGA

File: 24514K27_BEGA_IES.ies

TEST: BE_24514K4
TEST LAB: BEGA
DATE: 12/12/2022
LUMINAIRE: 24 514K27
LAMP: 16.8W LED

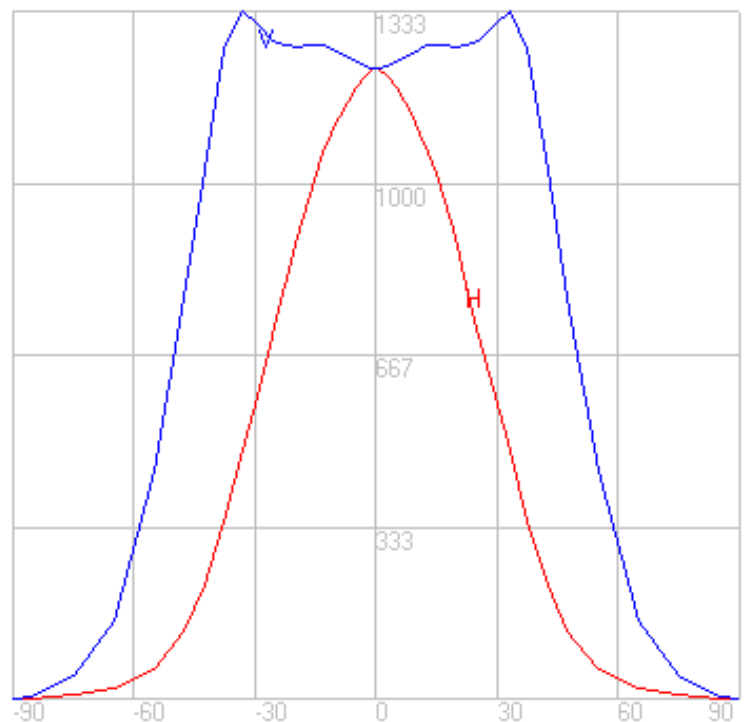
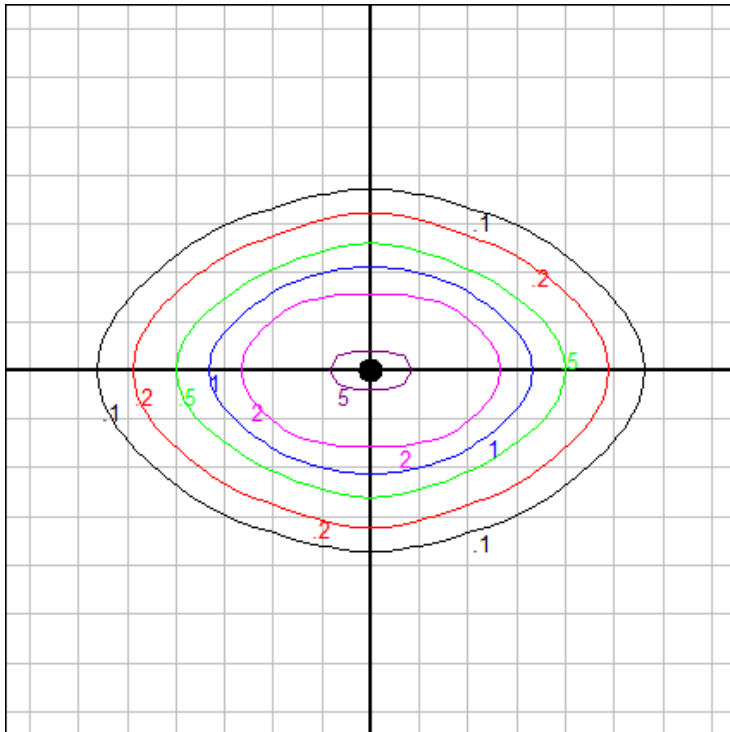


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1333.183
Maximum Candela Angle	0 H -33 V
Horizontal Beam Angle (50%)	42.3
Vertical Beam Angle (50%)	99.9
Horizontal Field Angle (10%)	79.6
Vertical Field Angle (10%)	133.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1305
Beam Efficiency	N.A.
Field Lumens	1812
Field Efficiency	N.A.
Spill Lumens	111
Luminaire Lumens	1922
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	114.71
10-20	321.04
20-30	463.54
30-40	477.89
40-50	304.66
50-60	150.58
60-70	59.14
70-80	19.61
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



Mounting Height: 15 ft.

Grid Spacing: 5 ft.

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