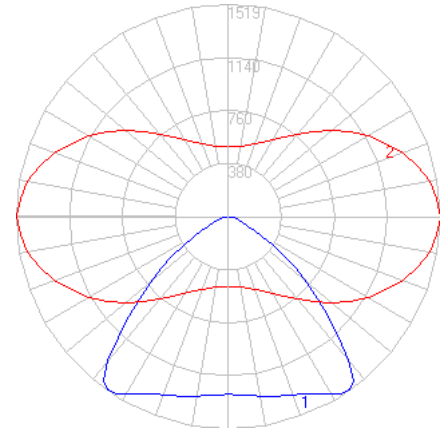


BEGA

File: 24430K4_BEGA_IES.ies

TEST: BE_24430K4
TEST LAB: BEGA
DATE: 7/26/2019
LUMINAIRE: 24 430K4
LAMP: 16.8W LED

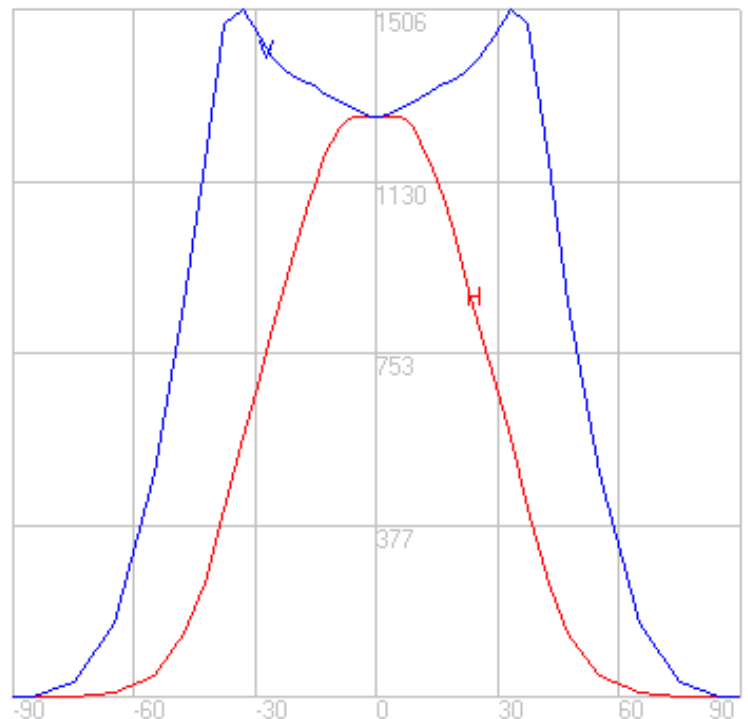
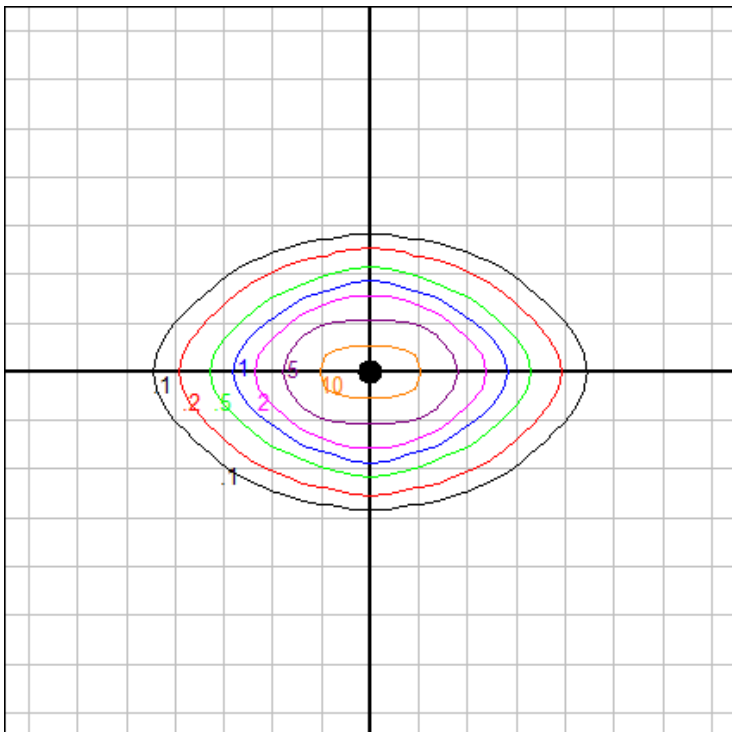


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1506.2
Maximum Candela Angle	0 H -33 V
Horizontal Beam Angle (50%)	44.6
Vertical Beam Angle (50%)	99.5
Horizontal Field Angle (10%)	77.5
Vertical Field Angle (10%)	131.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1526
Beam Efficiency	N.A.
Field Lumens	2032
Field Efficiency	N.A.
Spill Lumens	103
Luminaire Lumens	2134
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	122.14
10-20	351.27
20-30	523.11
30-40	565.60
40-50	343.21
50-60	155.87
60-70	51.66
70-80	10.64
80-90	0.19
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: 10 ft.

Grid Spacing: 5 ft.

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

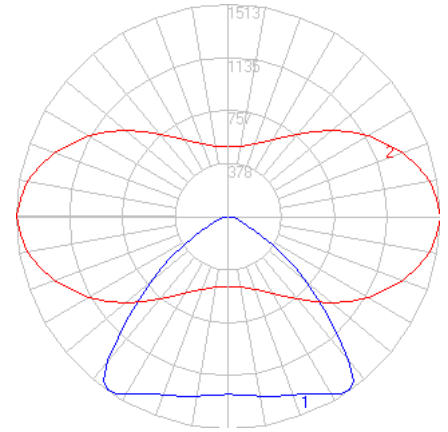
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BEGA

File: 24430K35_BEGA_IES.ies

TEST: BE_24430K4
TEST LAB: BEGA
DATE: 7/26/2019
LUMINAIRE: 24 430K35
LAMP: 16.8W LED

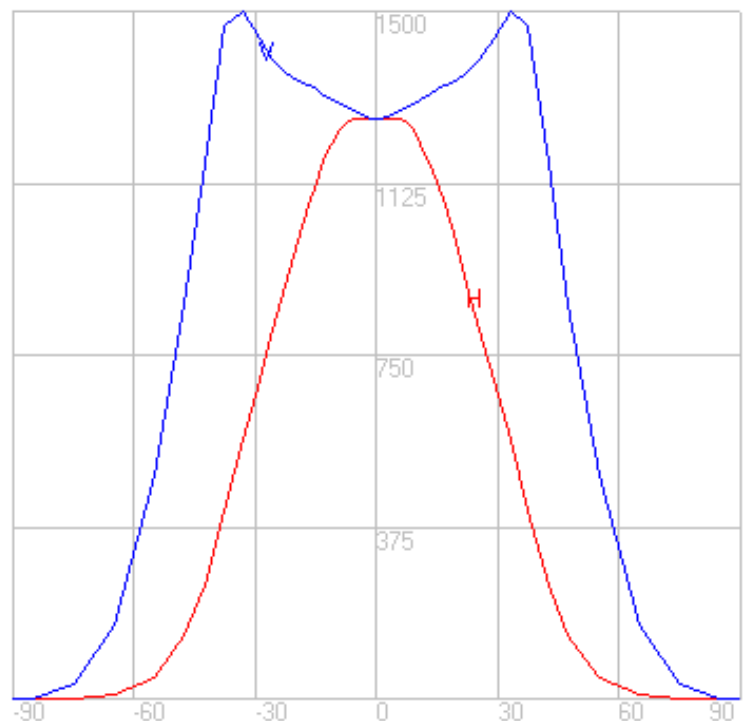
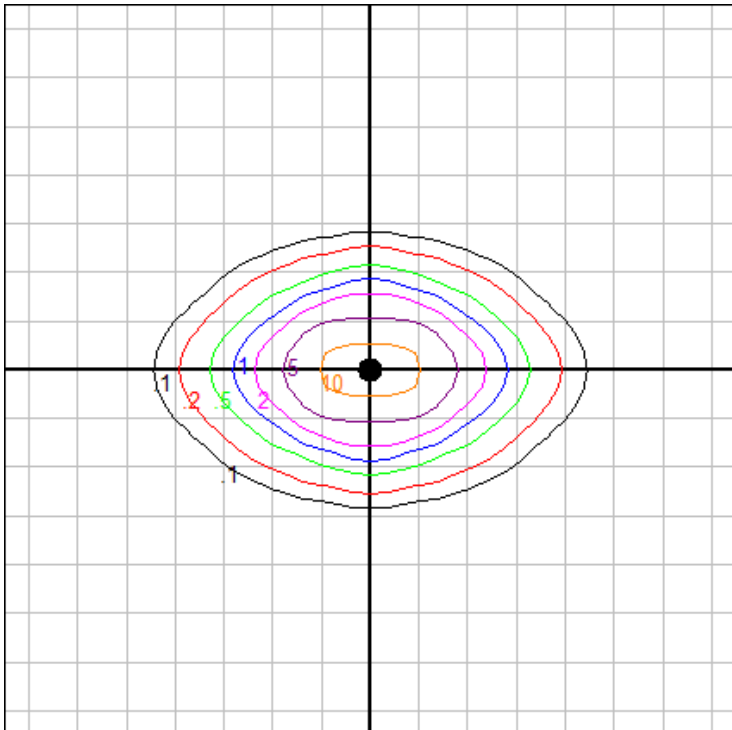


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1500.175
Maximum Candela Angle	0 H -33 V
Horizontal Beam Angle (50%)	44.6
Vertical Beam Angle (50%)	99.5
Horizontal Field Angle (10%)	77.5
Vertical Field Angle (10%)	131.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1520
Beam Efficiency	N.A.
Field Lumens	2024
Field Efficiency	N.A.
Spill Lumens	102
Luminaire Lumens	2126
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	121.66
10-20	349.86
20-30	521.02
30-40	563.34
40-50	341.83
50-60	155.24
60-70	51.45
70-80	10.60
80-90	0.19
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: 10 ft.

Grid Spacing: 5 ft.

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

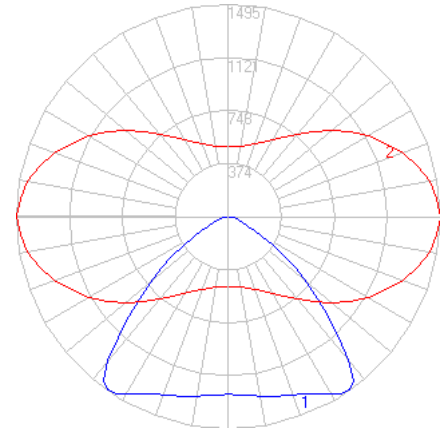
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File: 24430K3_BEGA_IES.ies

TEST: BE_24430K4
TEST LAB: BEGA
DATE: 7/26/2019
LUMINAIRE: 24 430K3
LAMP: 16.8W LED

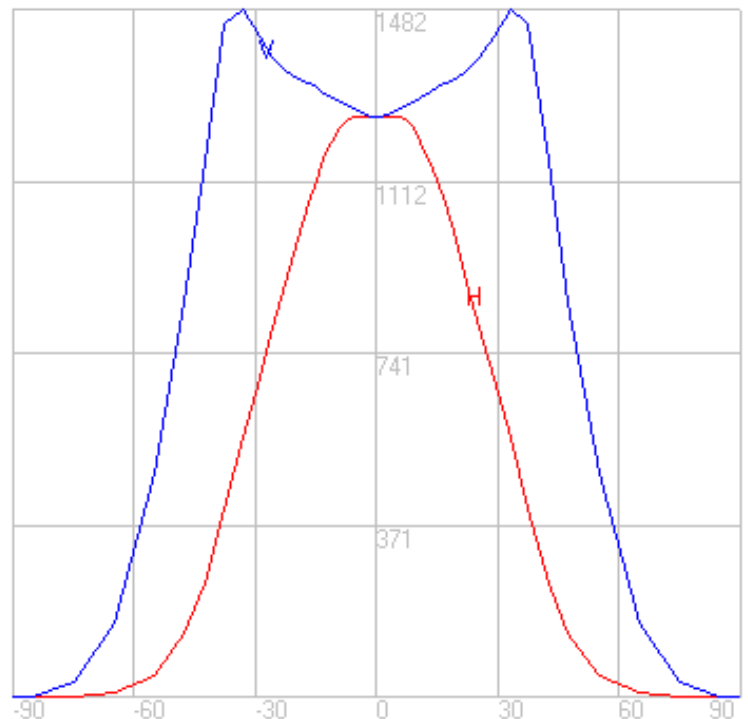
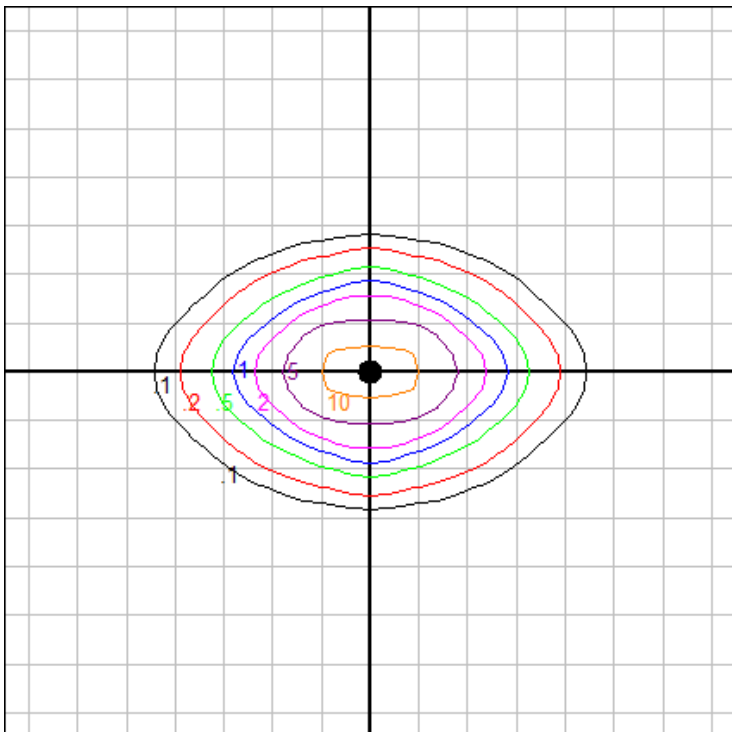


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1482.101
Maximum Candela Angle	0 H -33 V
Horizontal Beam Angle (50%)	44.6
Vertical Beam Angle (50%)	99.5
Horizontal Field Angle (10%)	77.5
Vertical Field Angle (10%)	131.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1502
Beam Efficiency	N.A.
Field Lumens	1999
Field Efficiency	N.A.
Spill Lumens	101
Luminaire Lumens	2100
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	120.19
10-20	345.65
20-30	514.74
30-40	556.55
40-50	337.72
50-60	153.37
60-70	50.83
70-80	10.47
80-90	0.19
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: 10 ft.

Grid Spacing: 5 ft.

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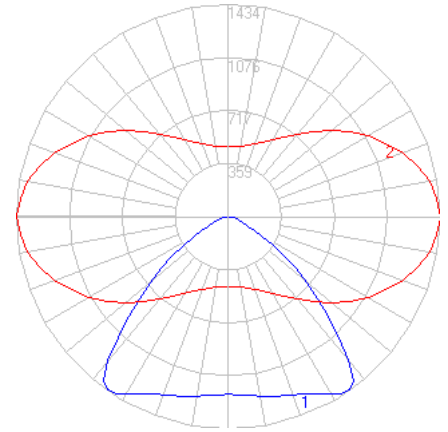
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BEGA

File: 24430K27_BEGA_IES.ies

TEST: BE_24430K4
TEST LAB: BEGA
DATE: 7/26/2019
LUMINAIRE: 24 430K27
LAMP: 16.8W LED

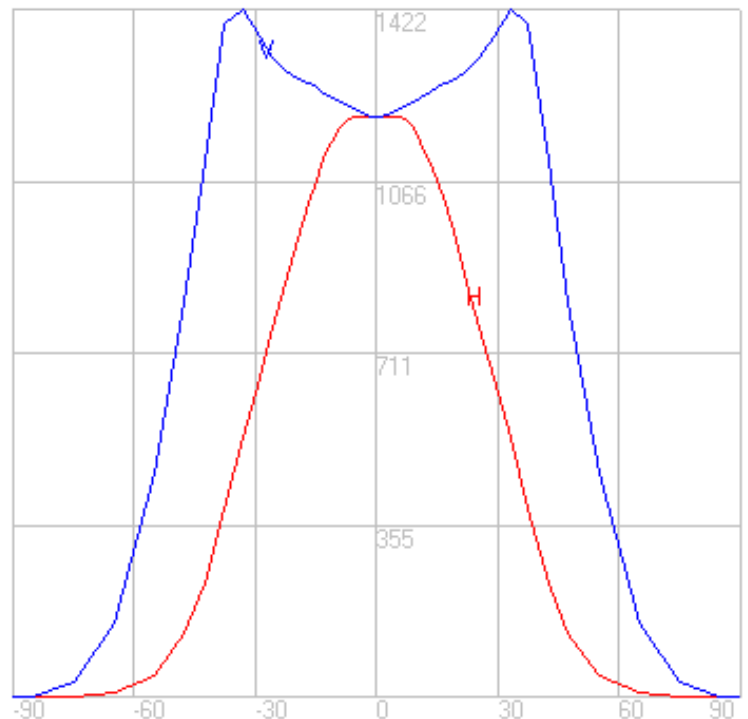
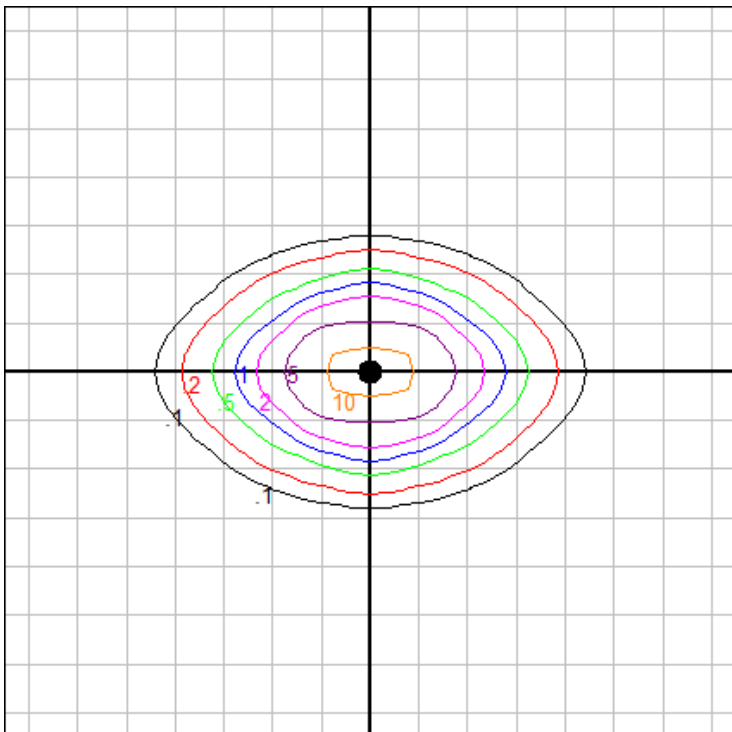


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1421.853
Maximum Candela Angle	0 H -33 V
Horizontal Beam Angle (50%)	44.6
Vertical Beam Angle (50%)	99.5
Horizontal Field Angle (10%)	77.5
Vertical Field Angle (10%)	131.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1441
Beam Efficiency	N.A.
Field Lumens	1918
Field Efficiency	N.A.
Spill Lumens	97
Luminaire Lumens	2015
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	115.30
10-20	331.60
20-30	493.81
30-40	533.92
40-50	323.99
50-60	147.14
60-70	48.77
70-80	10.04
80-90	0.18
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: 10 ft.

Grid Spacing: 5 ft.

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