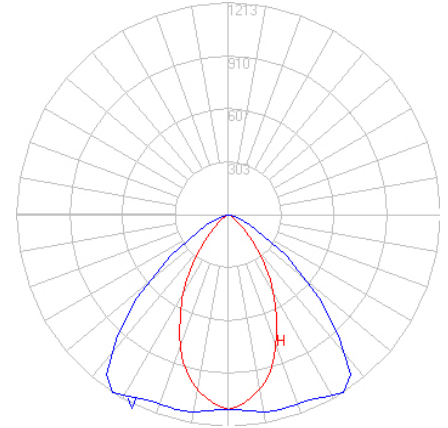


BEGA

File: 24136K4_BEGA_IES.ies

TEST: BE_24136K4
TEST LAB: BEGA
DATE: 3/21/2019
LUMINAIRE: 24 136K4
LAMP: 16.8W LED

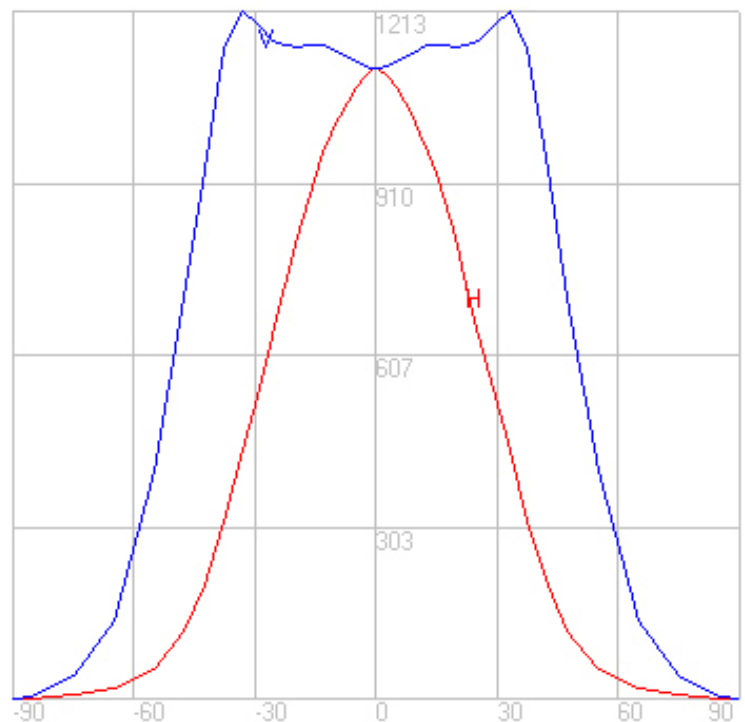
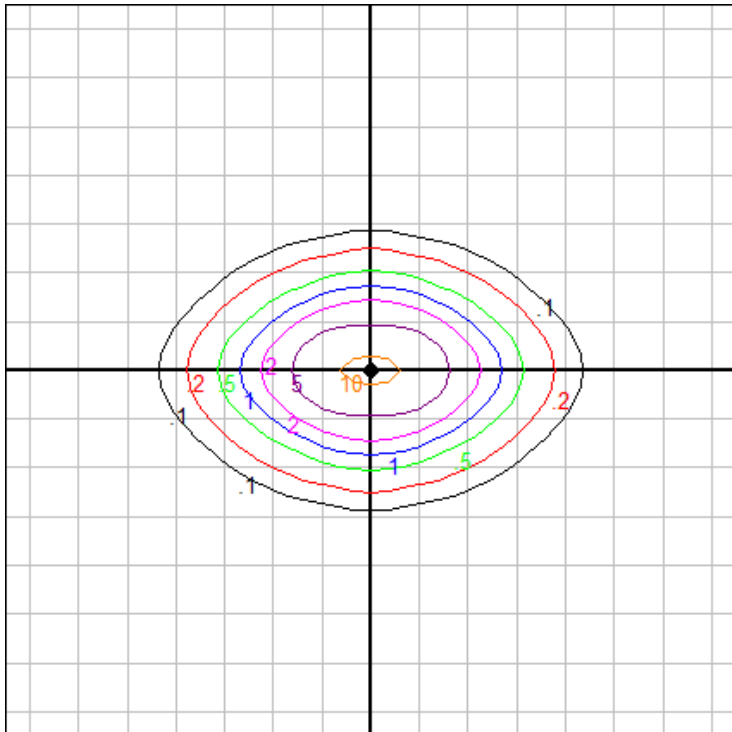


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1213.153
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	1188
Beam Efficiency	N.A.
Field Lumens	1649
Field Efficiency	N.A.
Spill Lumens	101
Luminaire Lumens	1749
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	104.38
10-20	292.14
20-30	421.81
30-40	434.87
40-50	277.23
50-60	137.02
60-70	53.82
70-80	17.84
80-90	2.57
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.

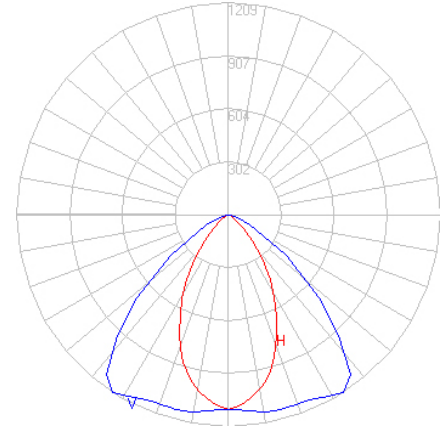
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BEGA

File: 24136K35_BEGA_IES.ies

TEST: BE_24136K4
TEST LAB: BEGA
DATE: 3/21/2019
LUMINAIRE: 24 136K35
LAMP: 16.8W LED

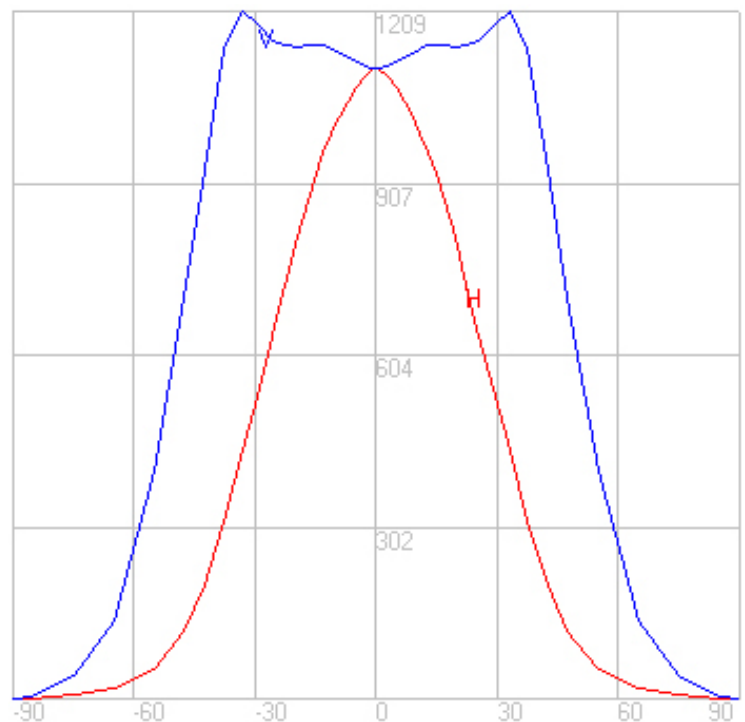
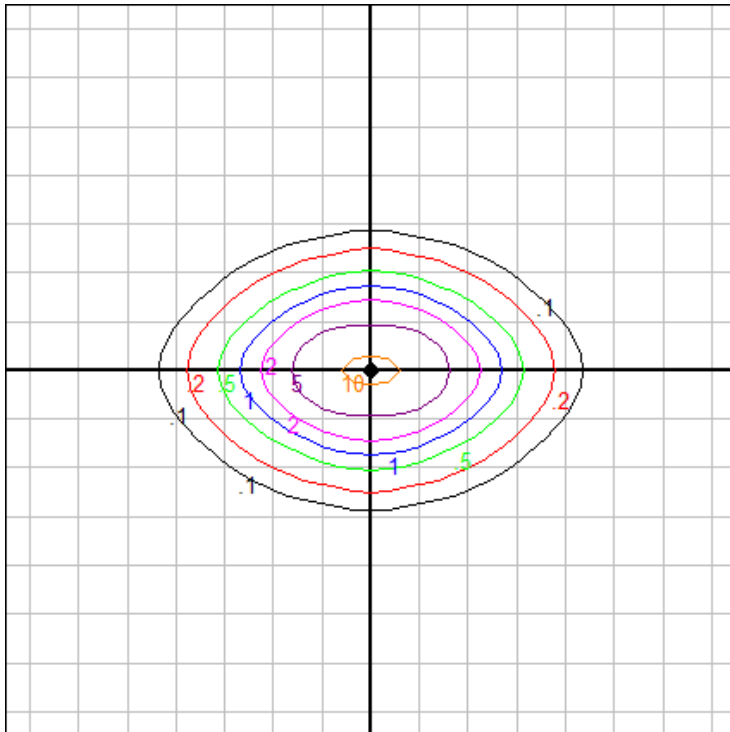


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1208.867
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	1183
Beam Efficiency	N.A.
Field Lumens	1643
Field Efficiency	N.A.
Spill Lumens	100
Luminaire Lumens	1743
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	104.02
10-20	291.10
20-30	420.32
30-40	433.33
40-50	276.25
50-60	136.54
60-70	53.63
70-80	17.78
80-90	2.56
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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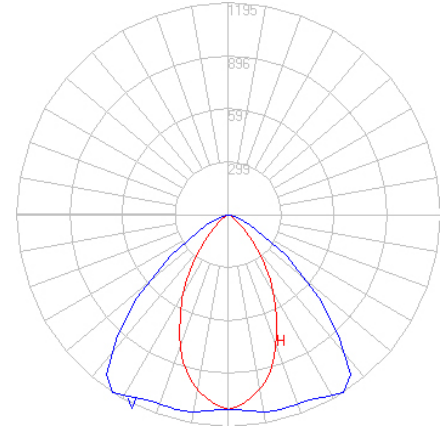
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File: 24136K3_BEGA_IES.ies

TEST: BE_24136K4
TEST LAB: BEGA
DATE: 3/21/2019
LUMINAIRE: 24 136K3
LAMP: 16.8W LED

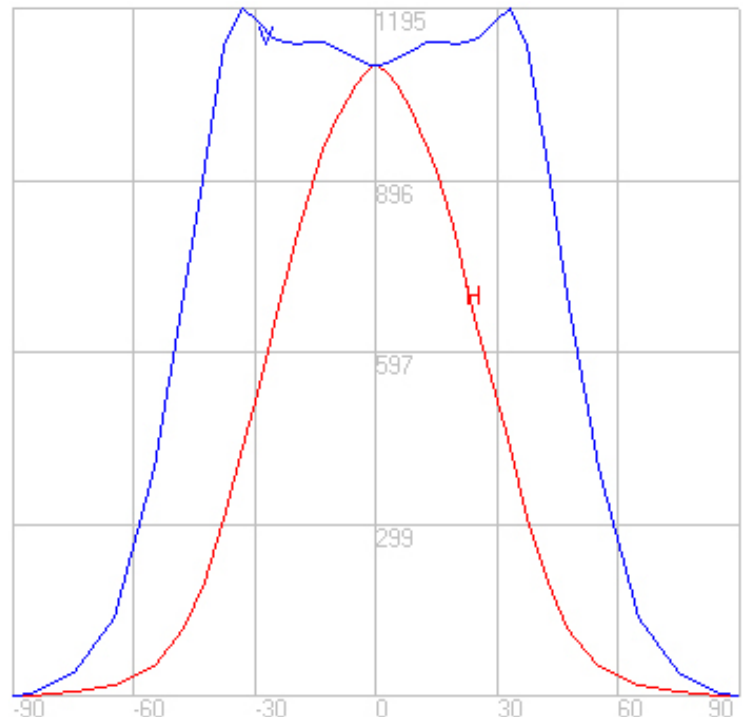
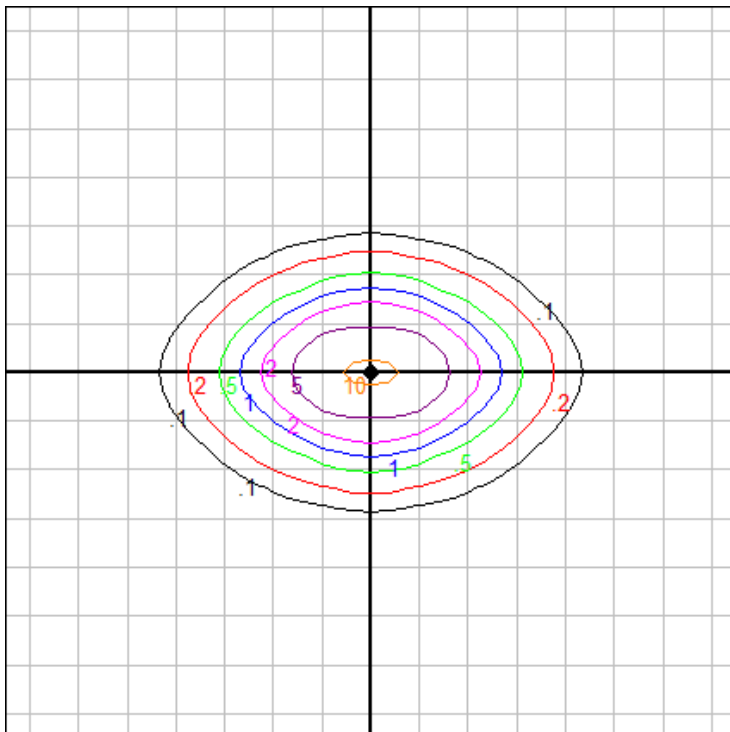


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1194.577
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	1169
Beam Efficiency	N.A.
Field Lumens	1623
Field Efficiency	N.A.
Spill Lumens	99
Luminaire Lumens	1723
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	102.79
10-20	287.66
20-30	415.35
30-40	428.21
40-50	272.99
50-60	134.92
60-70	52.99
70-80	17.57
80-90	2.53
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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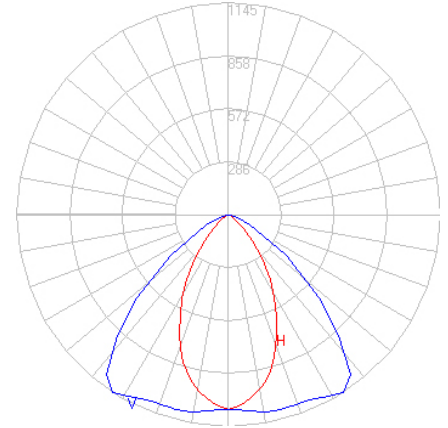
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BEGA

File: 24136K27_BEGA_IES.ies

TEST: BE_24136K4
TEST LAB: BEGA
DATE: 3/21/2019
LUMINAIRE: 24 136K27
LAMP: 16.8W LED

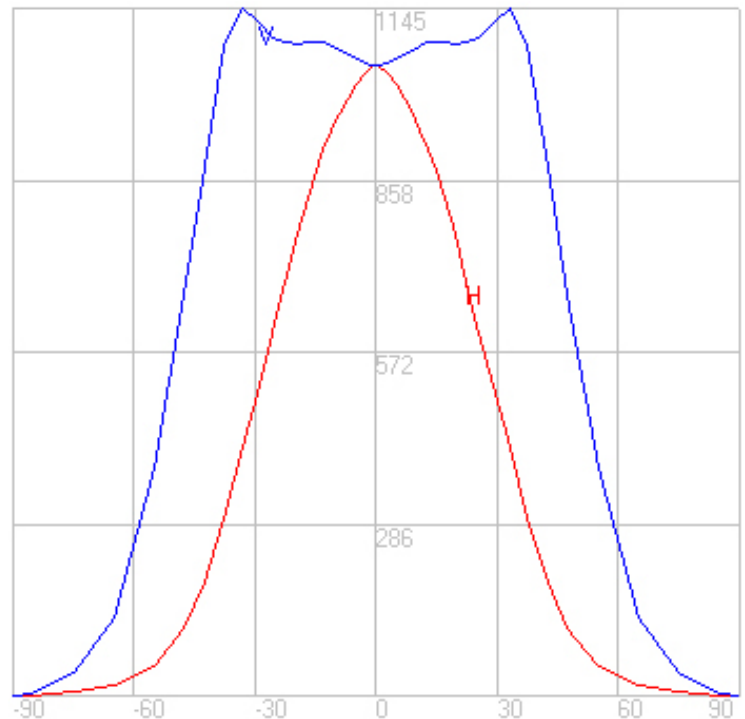
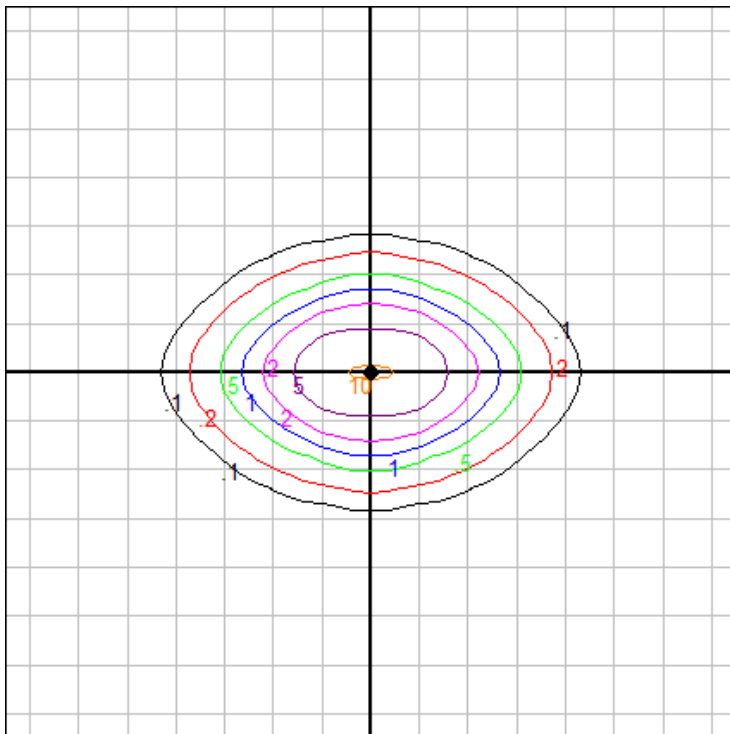


Characteristics

NEMA Type	5 H x 7 V
Maximum Candela	1144.565
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	1120
Beam Efficiency	N.A.
Field Lumens	1555
Field Efficiency	N.A.
Spill Lumens	95
Luminaire Lumens	1650
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	98.48
10-20	275.62
20-30	397.96
30-40	410.28
40-50	261.56
50-60	129.27
60-70	50.77
70-80	16.83
80-90	2.42
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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