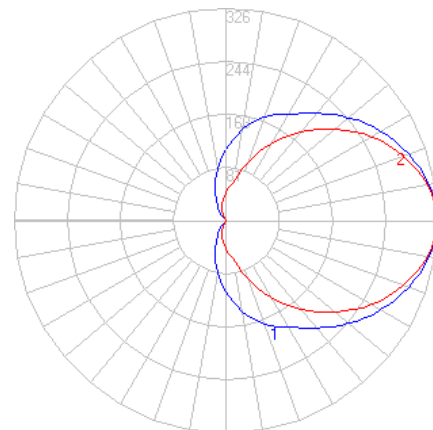


BEGA

File: 24358K4_BEGA_IES.ies

TEST: BEGA_24358K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 24 358K4
 LAMP: 11.9W LED



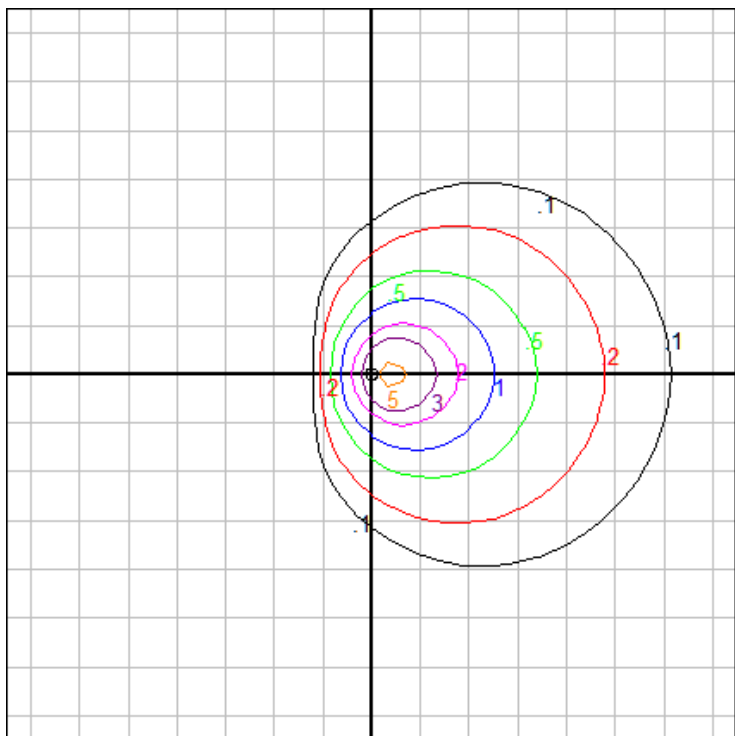
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1222
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	14
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	325.8 (360H, 90V)
Max. Cd. (<90 Vert.)	324.5 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	325.8 (26.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	324.5 (26.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

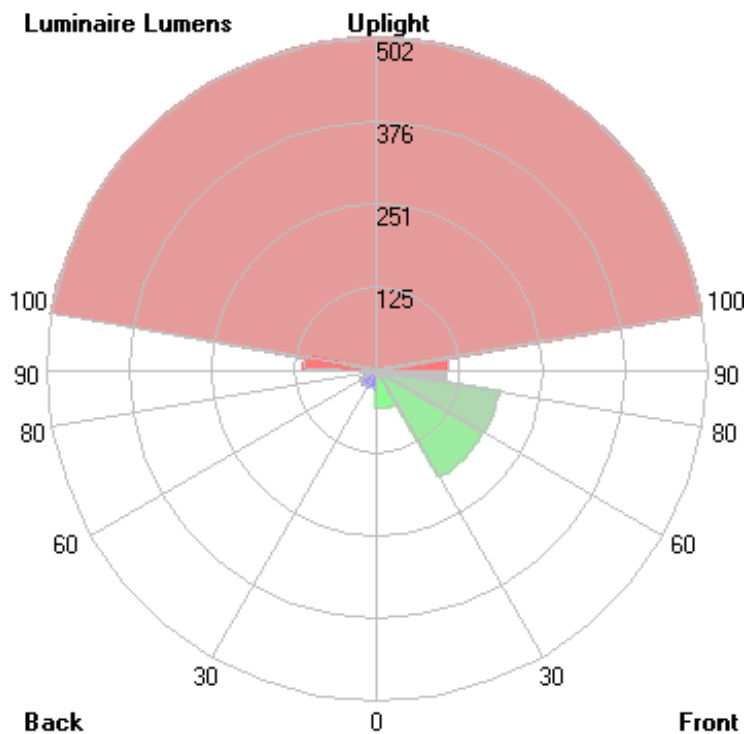
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	58.8	N.A.	4.8
FM (30-60)	187.0	N.A.	15.3
FH (60-80)	188.0	N.A.	15.4
FVH(80-90)	104.4	N.A.	8.5
BL (0-30)	28.3	N.A.	2.3
BM (30-60)	28.9	N.A.	2.4
BH (60-80)	10.8	N.A.	0.9
BVH(80-90)	4.9	N.A.	0.4
UL (90-100)	109.3	N.A.	8.9
UH (100-180)	501.7	N.A.	41.1
Total	1222.1	N.A.	100.0

BUG Rating B0-U4-G2



Mounting Height: 5 ft.

Grid Spacing: 4 ft.

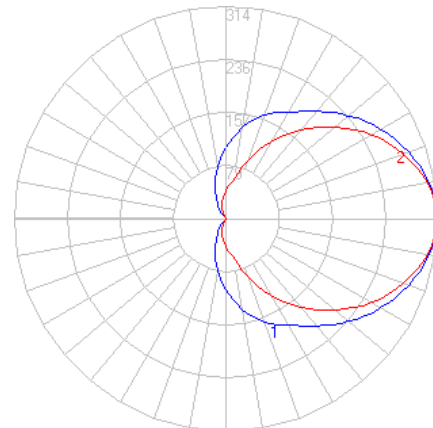


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24358K35_BEGA_IES.ies

TEST: BEGA_24358K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 24 358K35
 LAMP: 11.9W LED

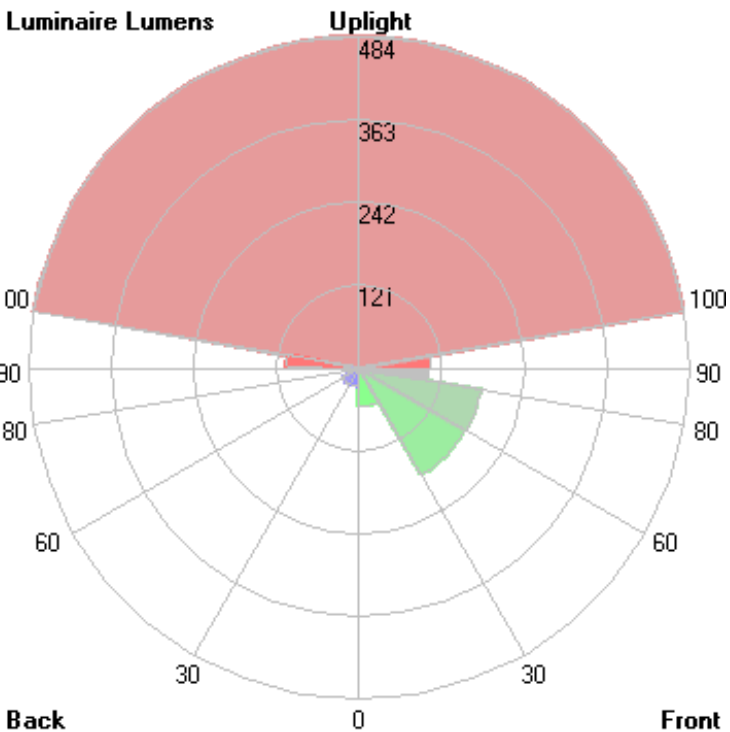
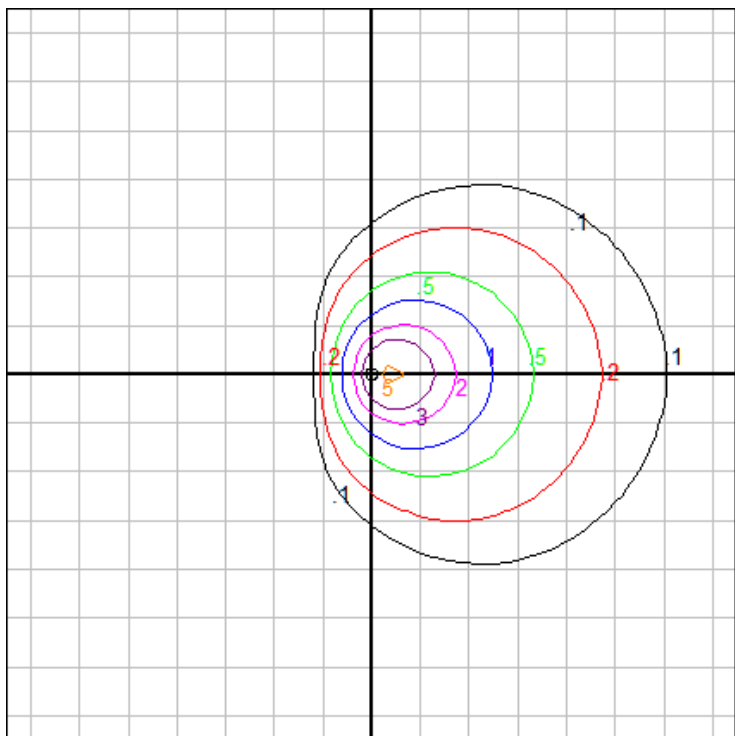


Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1179
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	14
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	314.397 (360H, 90V)
Max. Cd. (<90 Vert.)	313.142 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	314.397 (26.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	313.142 (26.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL(0-30)	56.8	N.A.	4.8
FM(30-60)	180.4	N.A.	15.3
FH(60-80)	181.5	N.A.	15.4
FVH(80-90)	100.8	N.A.	8.5
BL(0-30)	27.3	N.A.	2.3
BM(30-60)	27.8	N.A.	2.4
BH(60-80)	10.4	N.A.	0.9
BVH(80-90)	4.7	N.A.	0.4
UL(90-100)	105.5	N.A.	8.9
UH(100-180)	484.2	N.A.	41.1
Total	1179.4	N.A.	100.0
BUG Rating	B0-U3-G2		



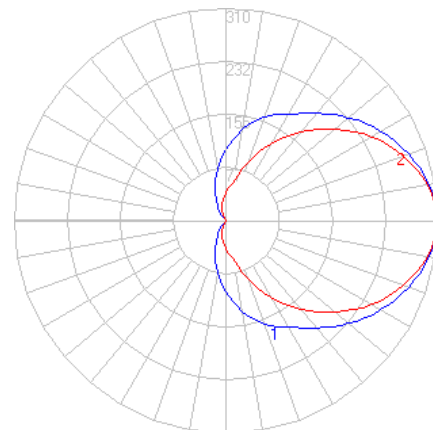
Mounting Height: 5 ft. Grid Spacing: 4 ft.

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

BEGA

File: 24358K3_BEGA_IES.ies

TEST: BEGA_24358K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 24 358K3
 LAMP: 11.9W LED

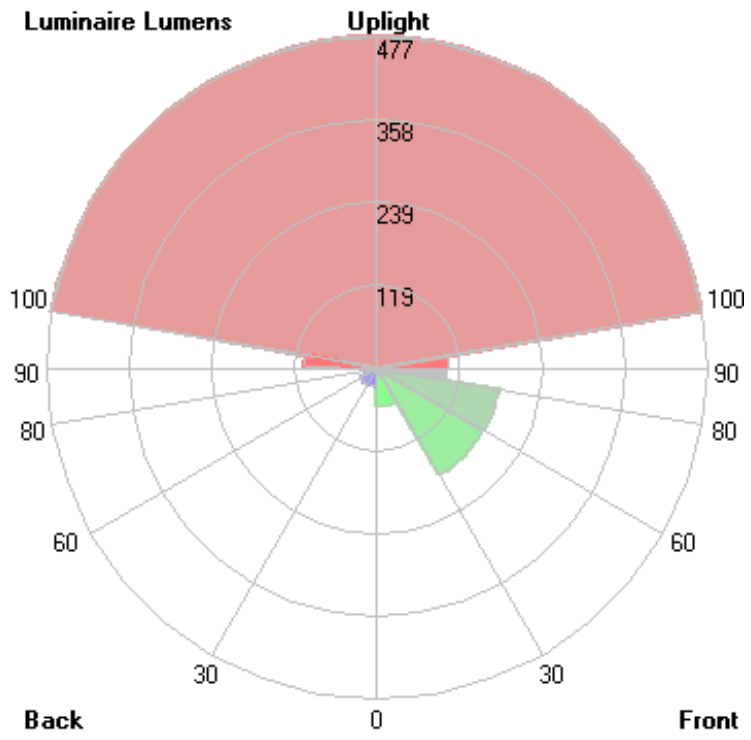
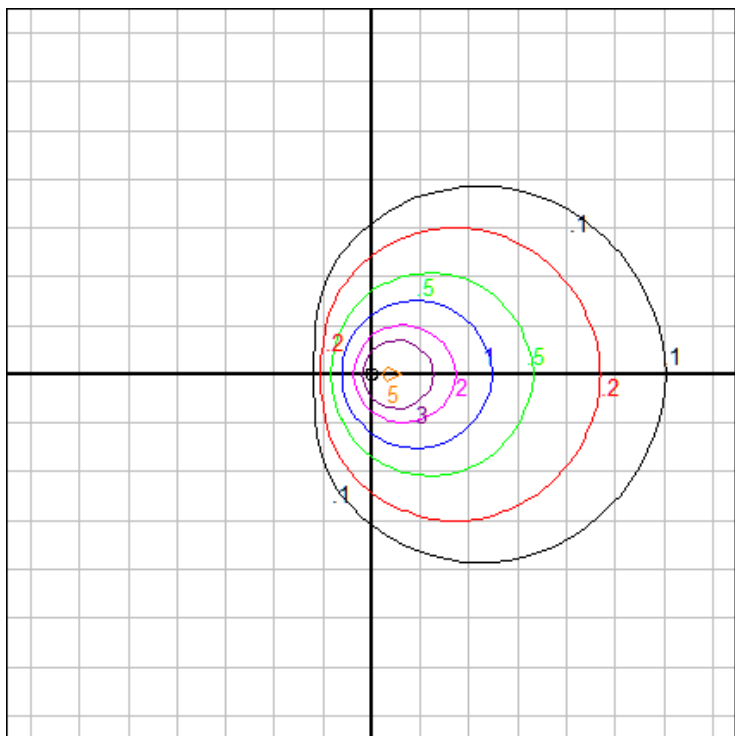


Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1162
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	83
Total Luminaire Watts	14
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	309.836 (360H, 90V)
Max. Cd. (<90 Vert.)	308.599 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	309.836 (26.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	308.599 (26.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL(0-30)	56.0	N.A.	4.8
FM(30-60)	177.8	N.A.	15.3
FH(60-80)	178.8	N.A.	15.4
FVH(80-90)	99.3	N.A.	8.5
BL(0-30)	26.9	N.A.	2.3
BM(30-60)	27.4	N.A.	2.4
BH(60-80)	10.3	N.A.	0.9
BVH(80-90)	4.7	N.A.	0.4
UL(90-100)	104.0	N.A.	8.9
UH(100-180)	477.2	N.A.	41.0
Total	1162.4	N.A.	100.0
BUG Rating	B0-U3-G1		



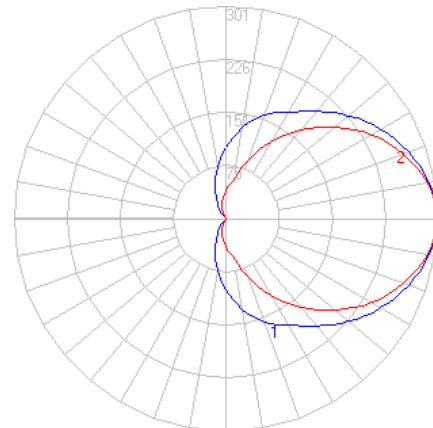
Mounting Height: 5 ft. Grid Spacing: 4 ft.

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

BEGA

File: 24358K27_BEGA_IES.ies

TEST: BEGA_24358K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 24 358K27
 LAMP: 11.9W LED



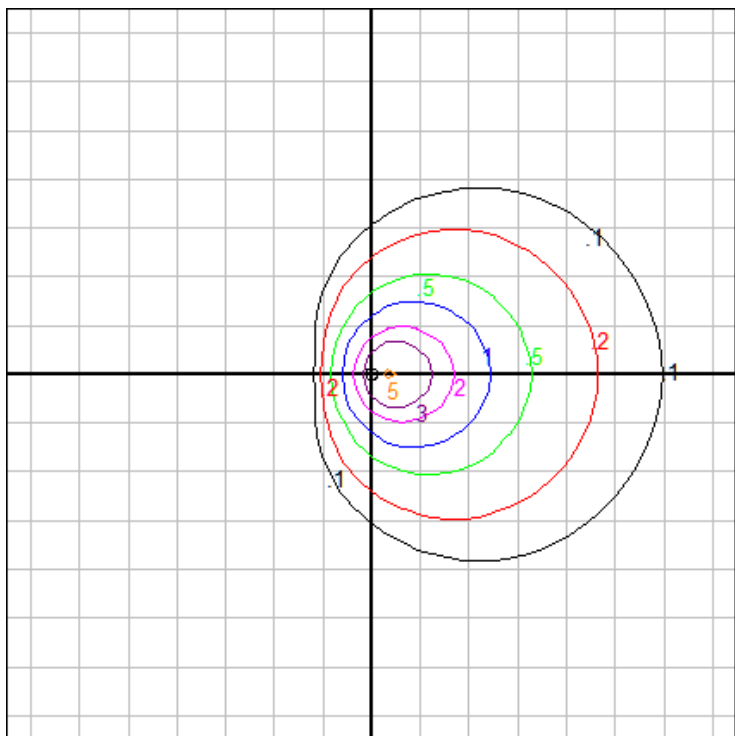
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1129
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	14
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	301.039 (360H, 90V)
Max. Cd. (<90 Vert.)	299.838 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	301.039 (26.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	299.838 (26.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

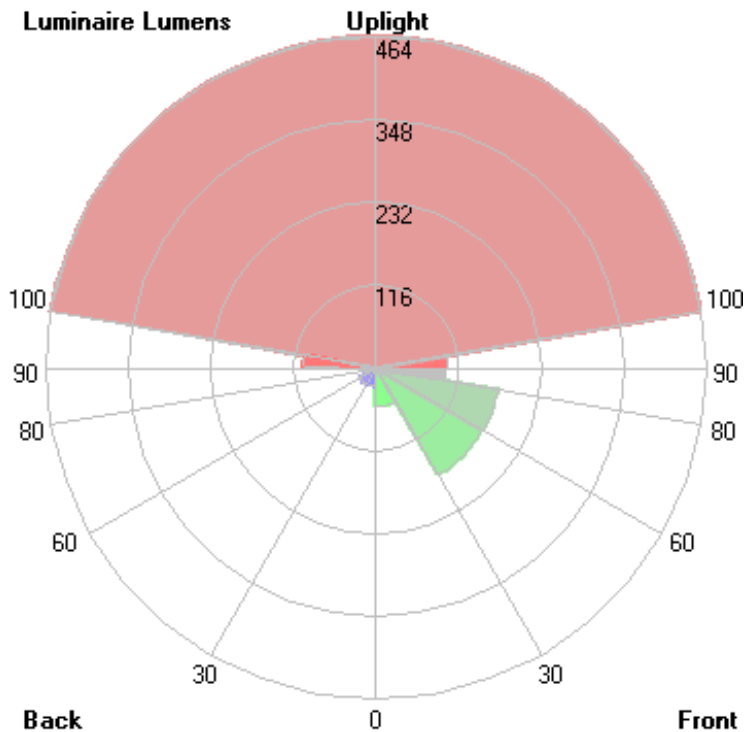
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	54.4	N.A.	4.8
FM (30-60)	172.8	N.A.	15.3
FH (60-80)	173.8	N.A.	15.4
FVH(80-90)	96.5	N.A.	8.5
BL (0-30)	26.1	N.A.	2.3
BM (30-60)	26.7	N.A.	2.4
BH (60-80)	10.0	N.A.	0.9
BVH(80-90)	4.5	N.A.	0.4
UL (90-100)	101.0	N.A.	8.9
UH (100-180)	463.6	N.A.	41.0
Total	1129.4	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 5 ft.

Grid Spacing: 4 ft.



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