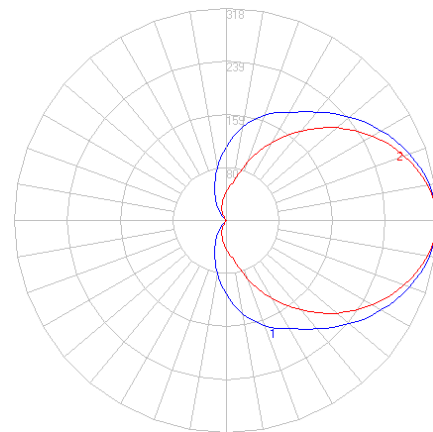


BEGA

File: 24354K4_BEGA_IES.ies

TEST: BEGA_24354K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 24 354K4
 LAMP: 11.9W LED



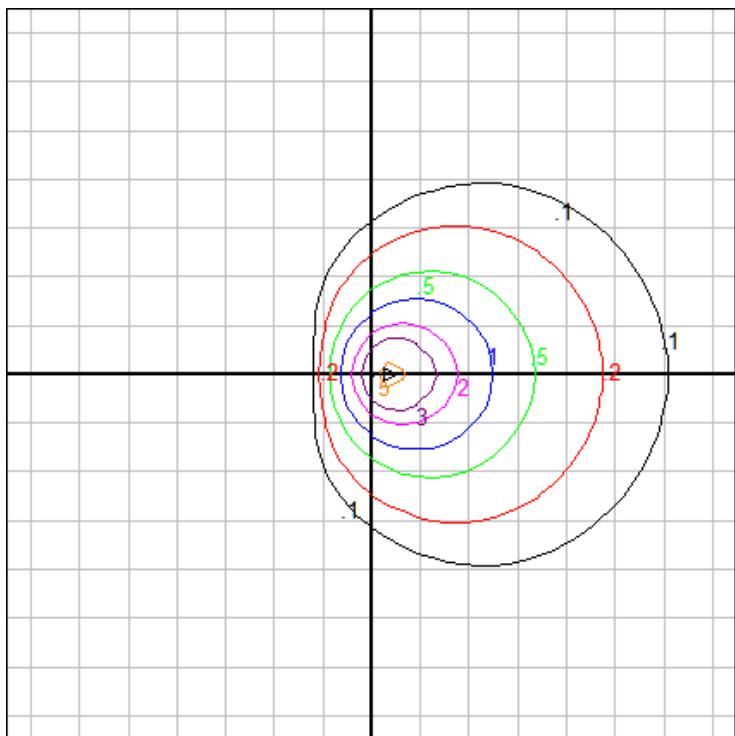
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1210
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	14
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	318.3 (360H, 90V)
Max. Cd. (<90 Vert.)	317.2 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	318.3 (26.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	317.2 (26.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

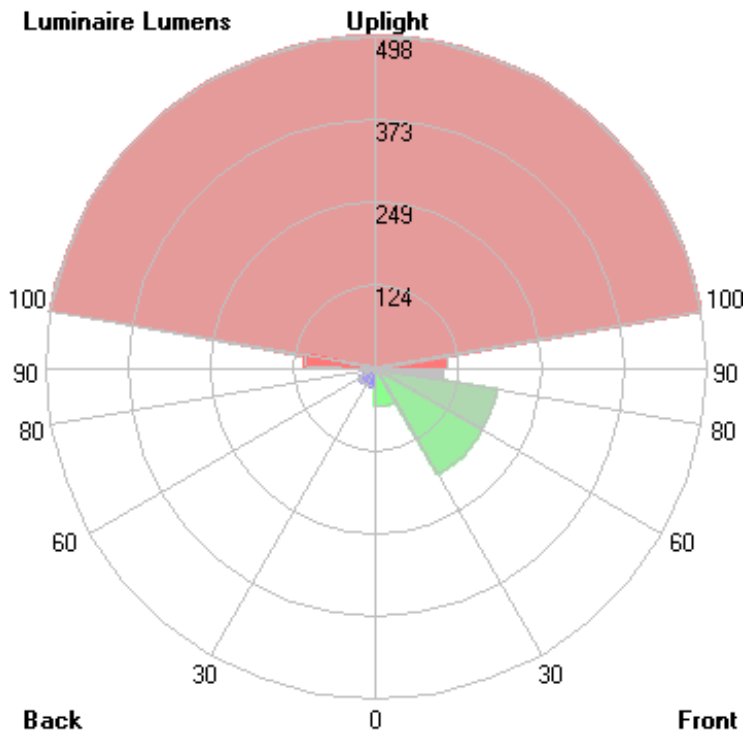
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	58.7	N.A.	4.9
FM (30-60)	185.0	N.A.	15.3
FH (60-80)	184.9	N.A.	15.3
FVH(80-90)	102.6	N.A.	8.5
BL (0-30)	28.7	N.A.	2.4
BM (30-60)	29.3	N.A.	2.4
BH (60-80)	10.9	N.A.	0.9
BVH(80-90)	5.0	N.A.	0.4
UL (90-100)	107.6	N.A.	8.9
UH (100-180)	497.5	N.A.	41.1
Total	1210.2	N.A.	100.0

BUG Rating B0-U3-G2



Mounting Height: 5 ft.

Grid Spacing: 4 ft.

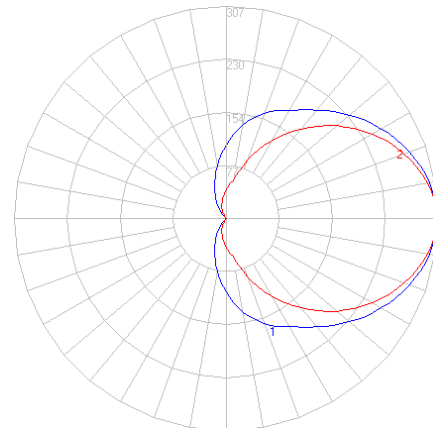


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24354K35_BEGA_IES.ies

TEST: BEGA_24354K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 24 354K35
 LAMP: 11.9W LED



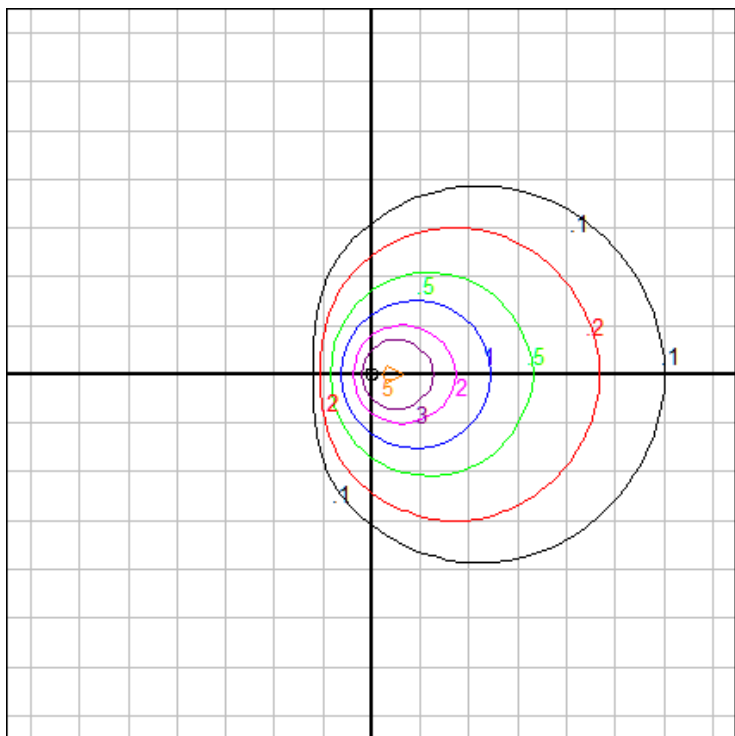
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1168
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.	307.159 (360H, 90V)
Max. Cd. (<90 Vert.)	306.098 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	307.159 (26.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	306.098 (26.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

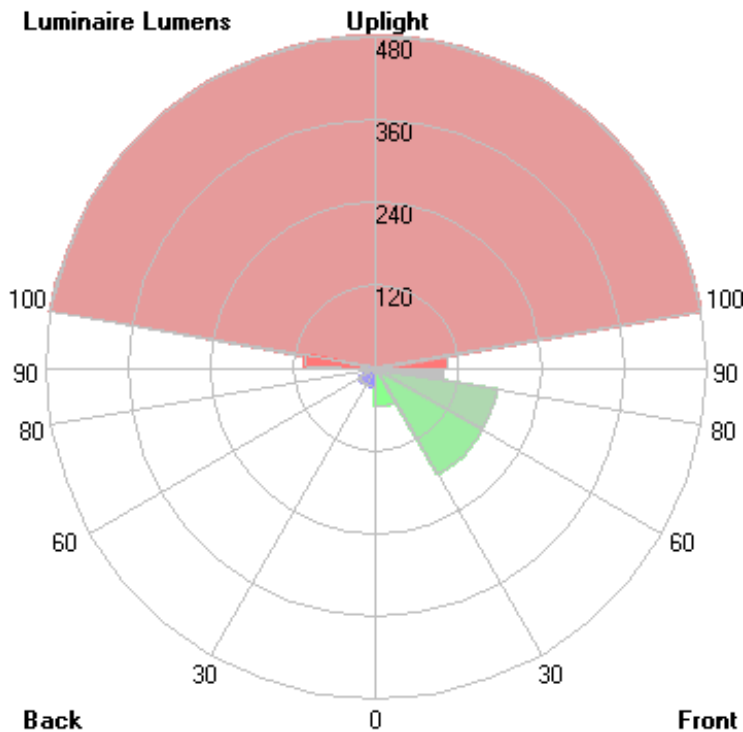
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	56.7	N.A.	4.9
FM (30-60)	178.5	N.A.	15.3
FH (60-80)	178.5	N.A.	15.3
FVH(80-90)	99.0	N.A.	8.5
BL (0-30)	27.7	N.A.	2.4
BM (30-60)	28.3	N.A.	2.4
BH (60-80)	10.5	N.A.	0.9
BVH(80-90)	4.8	N.A.	0.4
UL (90-100)	103.8	N.A.	8.9
UH (100-180)	480.1	N.A.	41.1
Total	1167.9	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 5 ft.

Grid Spacing: 4 ft.

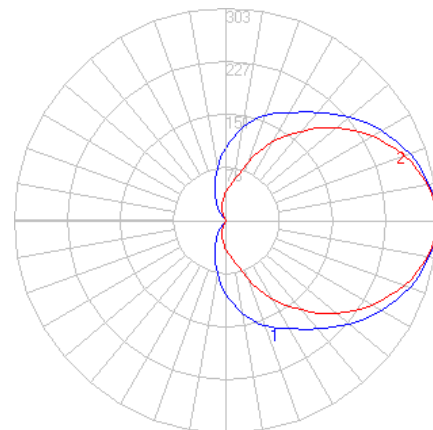


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24354K3_BEGA_IES.ies

TEST: BEGA_24354K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 24 354K3
 LAMP: 11.9W LED



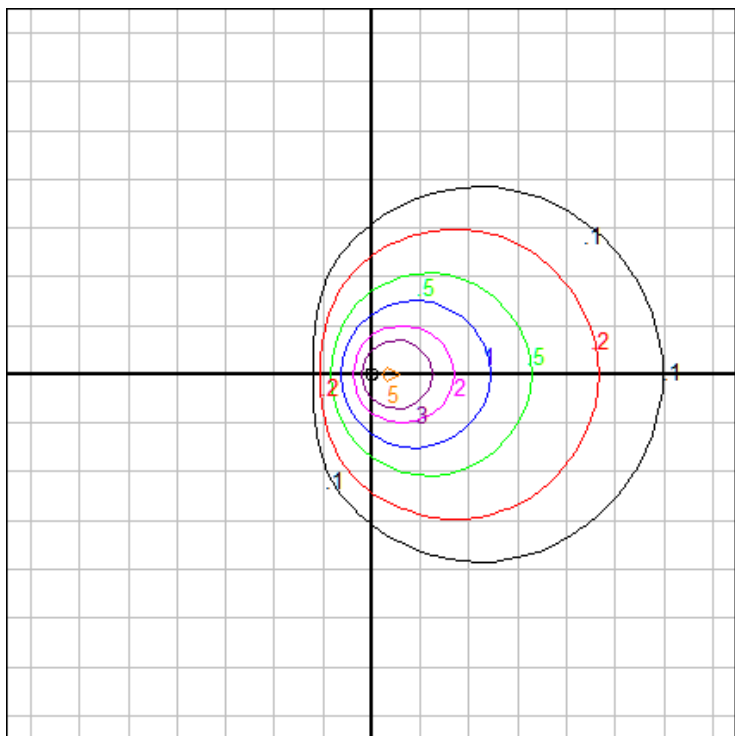
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1151
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	14
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	302.703 (360H, 90V)
Max. Cd. (<90 Vert.)	301.657 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	302.703 (26.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	301.657 (26.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

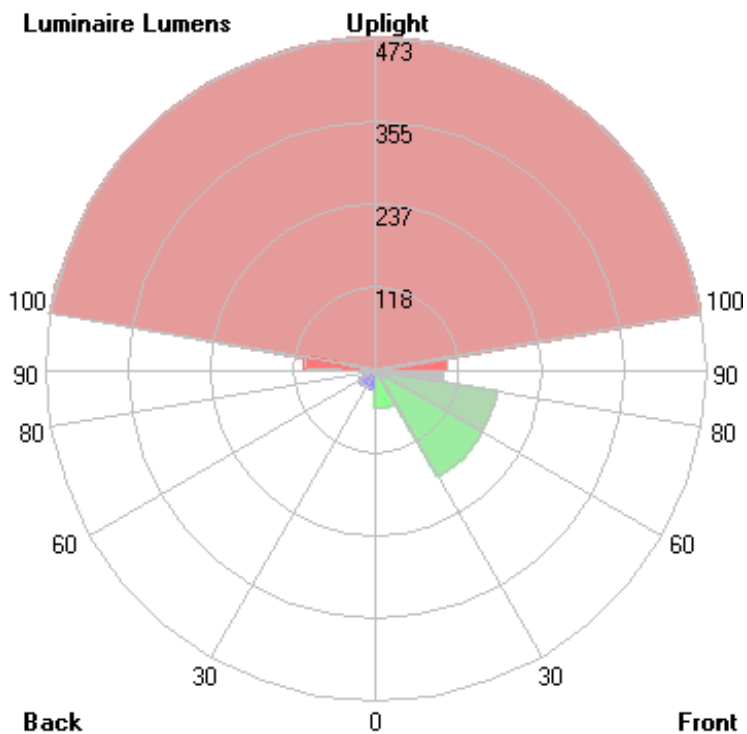
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	55.8	N.A.	4.9
FM (30-60)	175.9	N.A.	15.3
FH (60-80)	175.9	N.A.	15.3
FVH(80-90)	97.6	N.A.	8.5
BL (0-30)	27.3	N.A.	2.4
BM (30-60)	27.9	N.A.	2.4
BH (60-80)	10.3	N.A.	0.9
BVH(80-90)	4.7	N.A.	0.4
UL (90-100)	102.3	N.A.	8.9
UH (100-180)	473.1	N.A.	41.1
Total	1150.8	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 5 ft.

Grid Spacing: 4 ft.

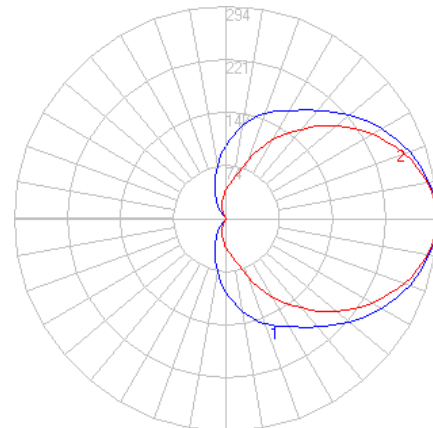


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24354K27_BEGA_IES.ies

TEST: BEGA_24354K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 24 354K27
 LAMP: 11.9W LED



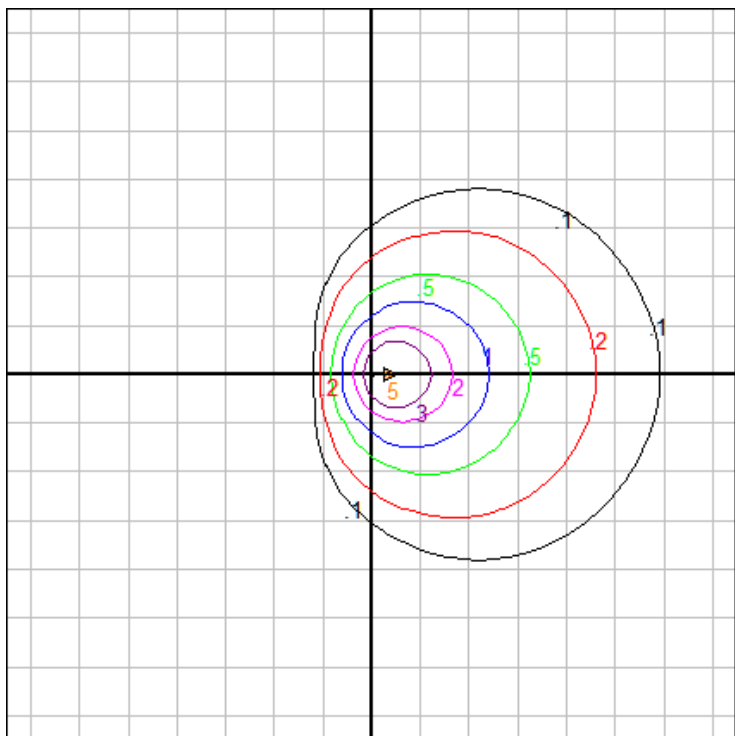
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1118
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	14
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	294.109 (360H, 90V)
Max. Cd. (<90 Vert.)	293.093 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	294.109 (26.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	293.093 (26.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

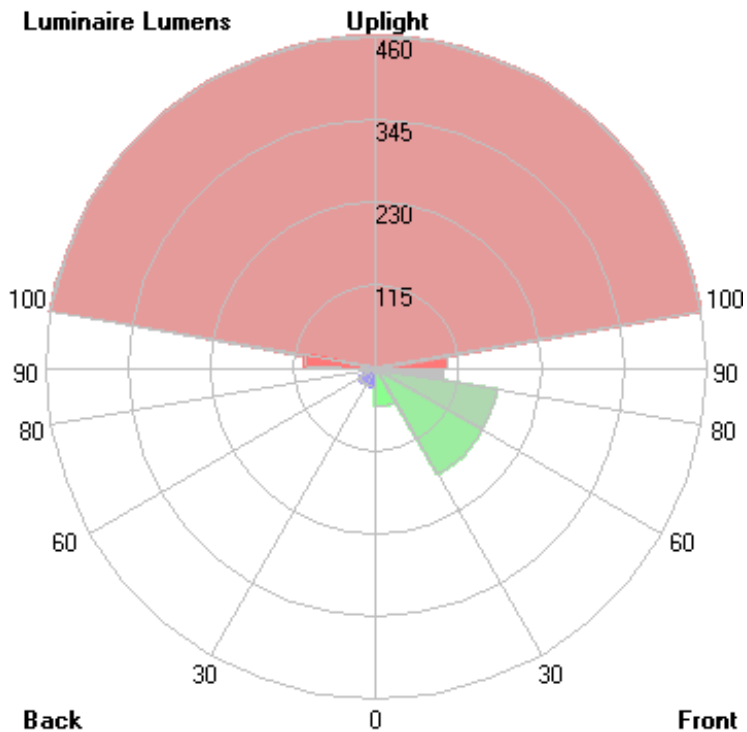
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	54.3	N.A.	4.9
FM (30-60)	170.9	N.A.	15.3
FH (60-80)	170.9	N.A.	15.3
FVH(80-90)	94.8	N.A.	8.5
BL (0-30)	26.5	N.A.	2.4
BM (30-60)	27.1	N.A.	2.4
BH (60-80)	10.0	N.A.	0.9
BVH(80-90)	4.6	N.A.	0.4
UL (90-100)	99.4	N.A.	8.9
UH (100-180)	459.7	N.A.	41.1
Total	1118.2	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 5 ft.

Grid Spacing: 4 ft.



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11/08/22