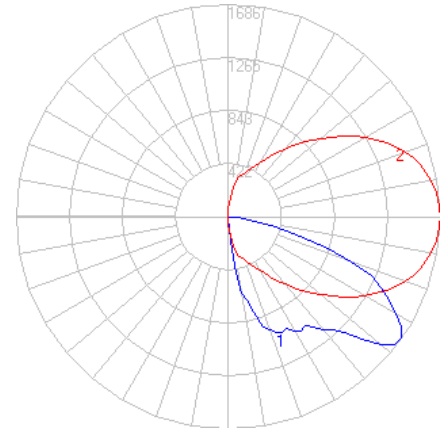


BEGA

File: 84239K4_BEGA_IES

TEST: BE_84239K4
TEST LAB: BEGA
DATE: 12/6/2018
LUMINAIRE: 84 239K4
LAMP: 11.5W LED



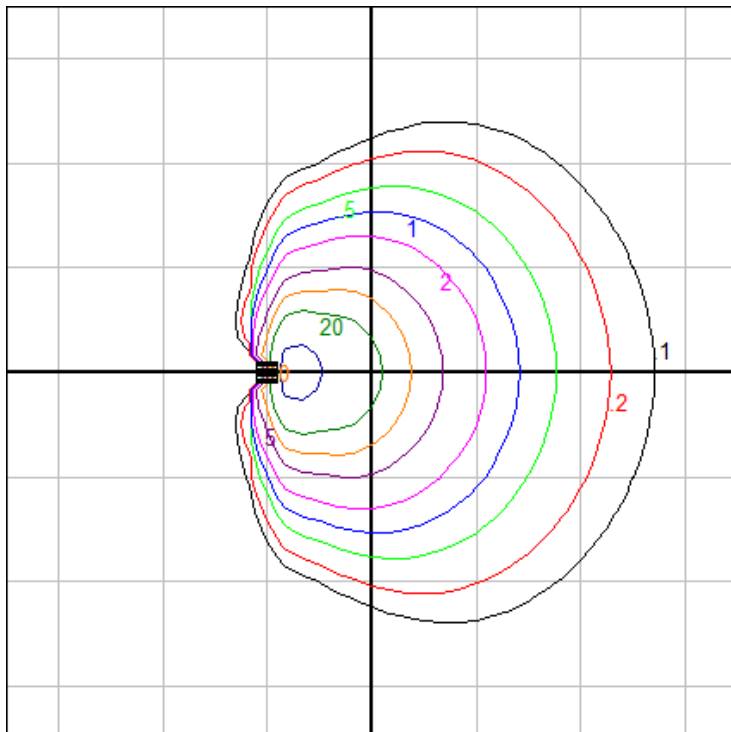
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1743
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1686.3 (360H, 55V)
Max. Cd. (<90 Vert.)	1686.3 (360H, 55V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	207.6 (11.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

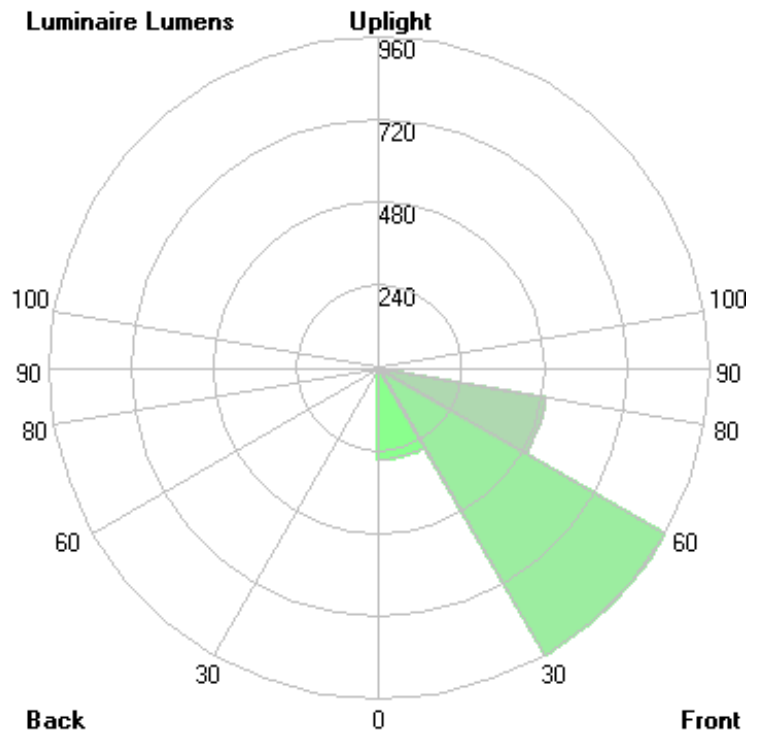
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	264.9	N.A.	15.2
FM (30-60)	960.3	N.A.	55.1
FH (60-80)	492.4	N.A.	28.3
FVH (80-90)	11.6	N.A.	0.7
BL (0-30)	5.2	N.A.	0.3
BM (30-60)	6.7	N.A.	0.4
BH (60-80)	1.3	N.A.	0.1
BVH (80-90)	0.2	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1742.5	N.A.	100.0

BUG Rating B0-U0-G1



Grid Spacing: 5 ft.



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

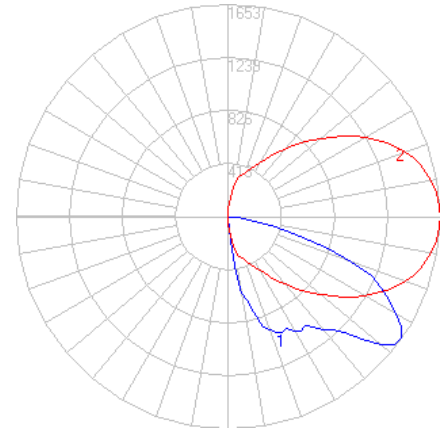
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BEGA

File: 84239K35_BEGA_IES

TEST: BE_84239K4
TEST LAB: BEGA
DATE: 12/6/2018
LUMINAIRE: 84 239K35
LAMP: 11.5W LED



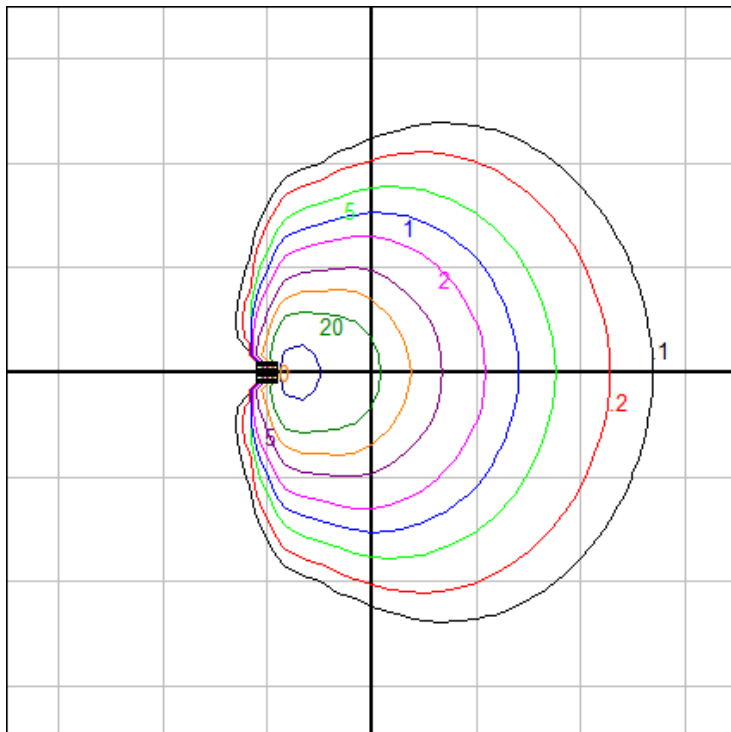
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1708
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1652.574 (360H, 55V)
Max. Cd. (<90 Vert.)	1652.574 (360H, 55V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	203.448 (11.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

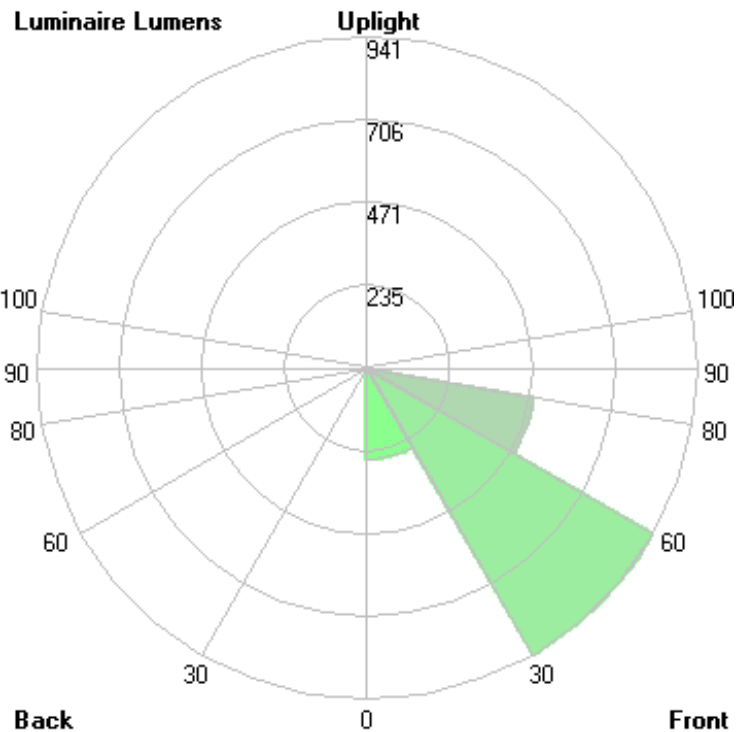
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	259.6	N.A.	15.2
FM (30-60)	941.1	N.A.	55.1
FH (60-80)	482.6	N.A.	28.3
FVH (80-90)	11.4	N.A.	0.7
BL (0-30)	5.1	N.A.	0.3
BM (30-60)	6.6	N.A.	0.4
BH (60-80)	1.3	N.A.	0.1
BVH (80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1707.8	N.A.	100.0

BUG Rating B0-U0-G1



Grid Spacing: 5 ft.



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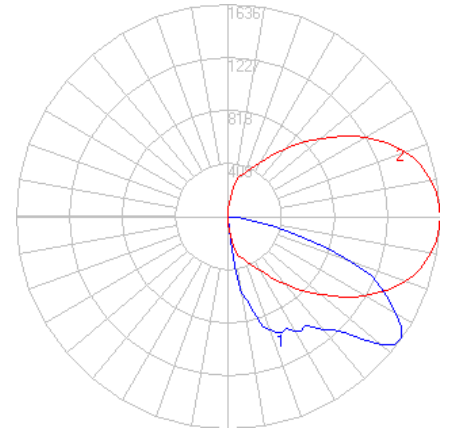
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BEGA

File: 84239K3_BEGA_IES

TEST: BE_84239K4
 TEST LAB: BEGA
 DATE: 12/6/2018
 LUMINAIRE: 84 239K3
 LAMP: 11.5W LED



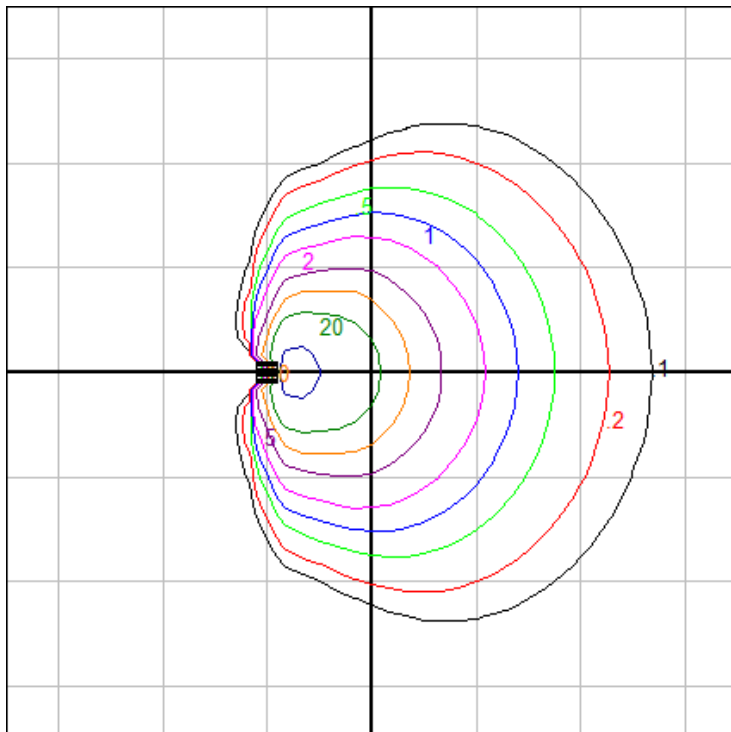
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1690
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1635.711 (360H, 55V)
Max. Cd. (<90 Vert.)	1635.711 (360H, 55V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	201.372 (11.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

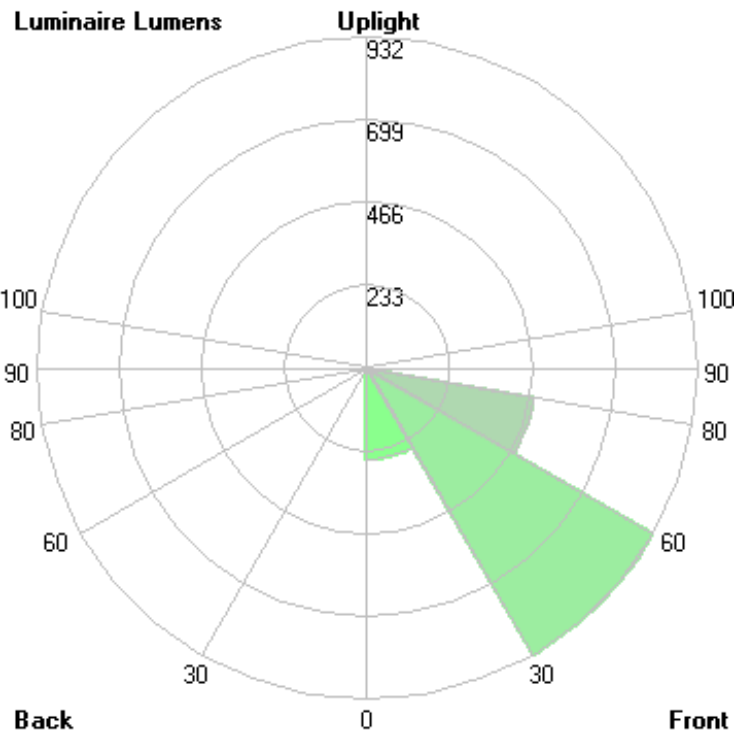
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	257.0	N.A.	15.2
FM (30-60)	931.5	N.A.	55.1
FH (60-80)	477.6	N.A.	28.3
FVH (80-90)	11.3	N.A.	0.7
BL (0-30)	5.0	N.A.	0.3
BM (30-60)	6.5	N.A.	0.4
BH (60-80)	1.3	N.A.	0.1
BVH (80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1690.3	N.A.	100.0

BUG Rating B0-U0-G1



Grid Spacing: 5 ft.



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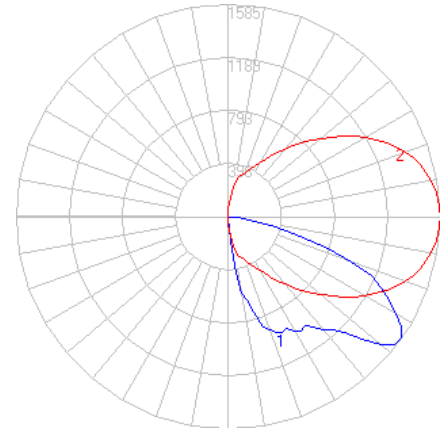
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BEGA

File: 84239K27_BEGA_IES

TEST: BE_84239K4
TEST LAB: BEGA
DATE: 12/6/2018
LUMINAIRE: 84 239K27
LAMP: 11.5W LED



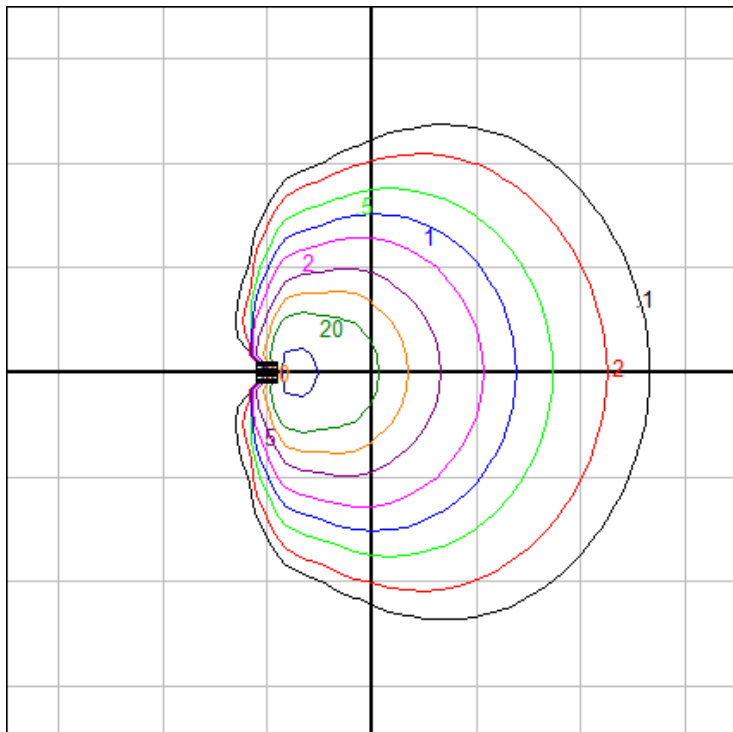
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1638
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	91
Total Luminaire Watts	18
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1585.122 (360H, 55V)
Max. Cd. (<90 Vert.)	1585.122 (360H, 55V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	195.144 (11.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

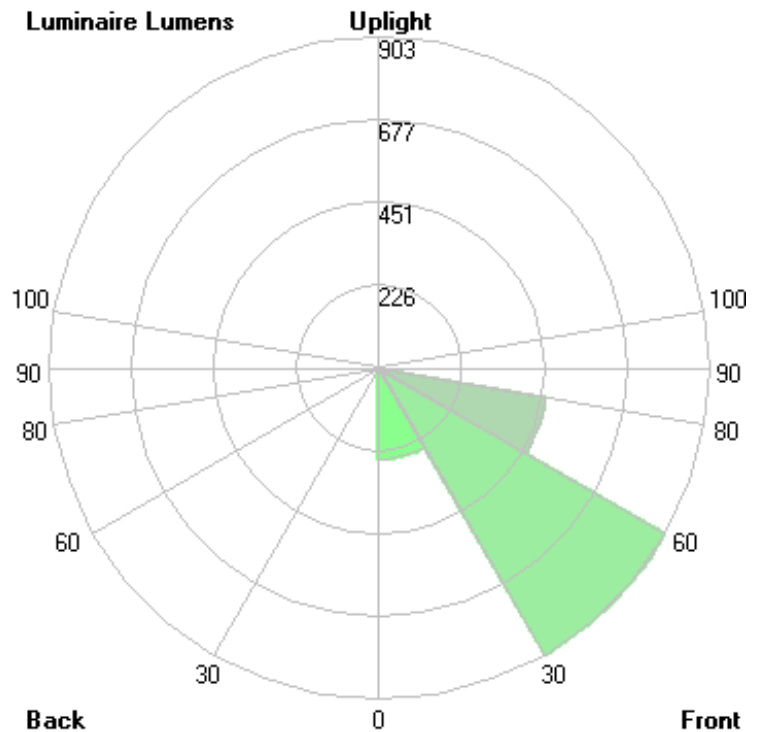
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	249.0	N.A.	15.2
FM (30-60)	902.7	N.A.	55.1
FH (60-80)	462.9	N.A.	28.3
FVH (80-90)	10.9	N.A.	0.7
BL (0-30)	4.9	N.A.	0.3
BM (30-60)	6.3	N.A.	0.4
BH (60-80)	1.2	N.A.	0.1
BVH (80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1638.0	N.A.	100.0

BUG Rating B0-U0-G1



Grid Spacing: 5 ft.



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