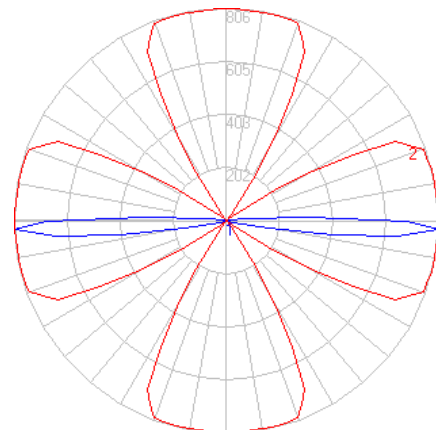
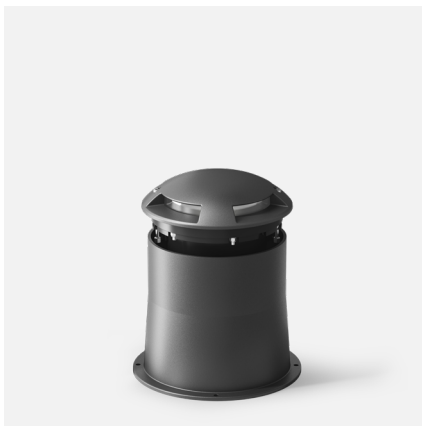


BEGA

File: 84271K4_BEGA_IES.ies

TEST: BE_84271K4
 TEST LAB: BEGA
 DATE: 09/04/2019
 LUMINAIRE: 84 271K4
 LAMP: 20.0W LED



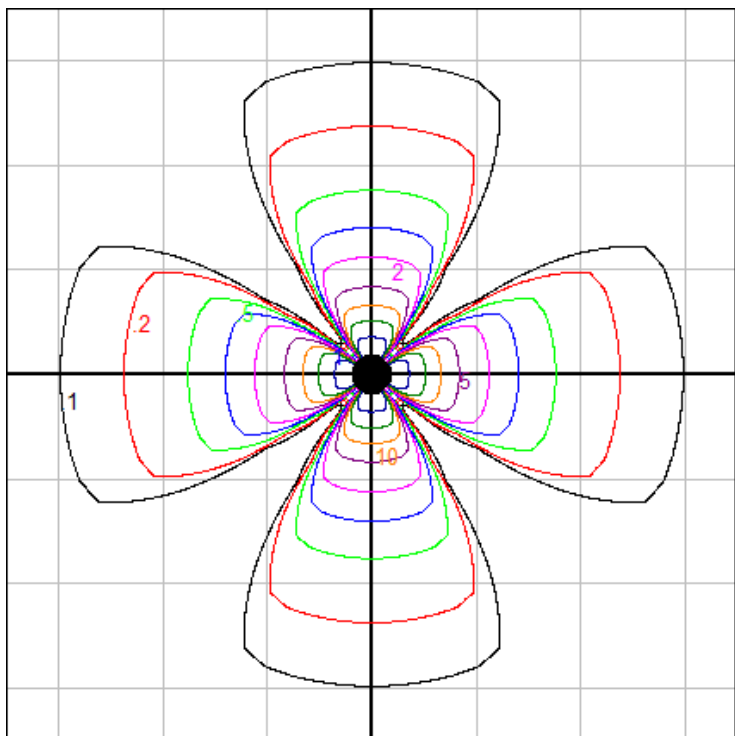
Characteristics

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	579
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	25
Total Luminaire Watts	23
Ballast Factor	1.00
Upward Waste Light Ratio	0.25
Max. Cd.	806.1 (360H, 87.5V)
Max. Cd. (<90 Vert.)	806.1 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	688.9 (119.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	806.1 (139.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

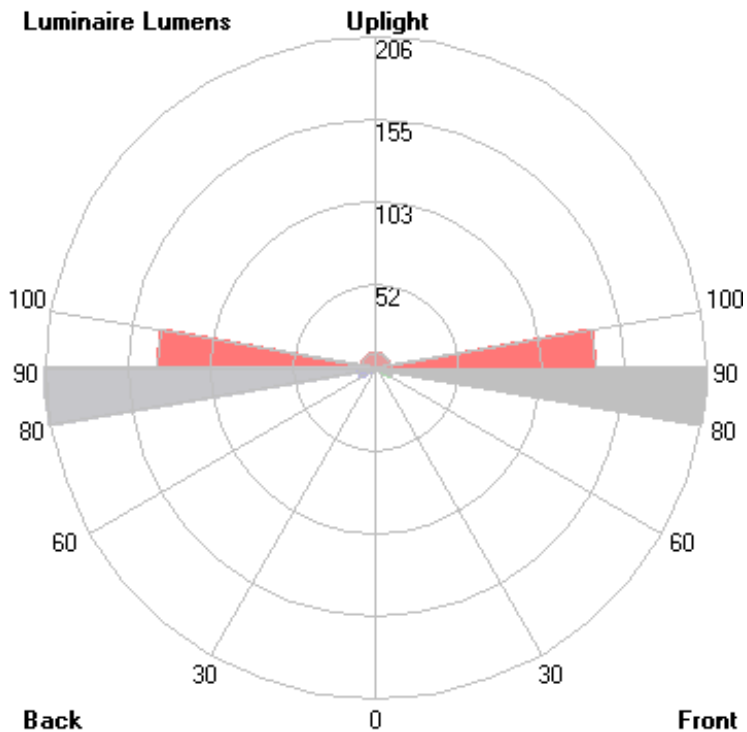
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	0.0	N.A.	0.0
FH (60-80)	10.7	N.A.	1.9
FVH (80-90)	206.0	N.A.	35.6
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	10.7	N.A.	1.9
BVH (80-90)	206.0	N.A.	35.6
UL (90-100)	136.4	N.A.	23.6
UH (100-180)	9.0	N.A.	1.6
Total	578.8	N.A.	100.0

BUG Rating B0-U3-G2



Grid Spacing: 3 ft.

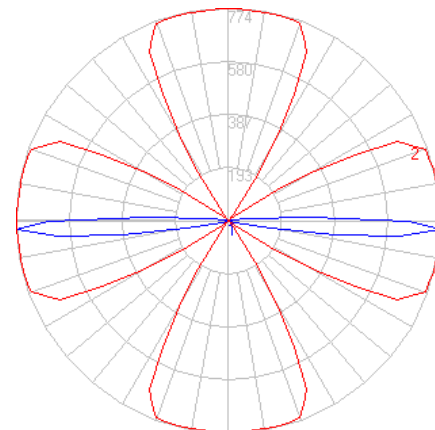
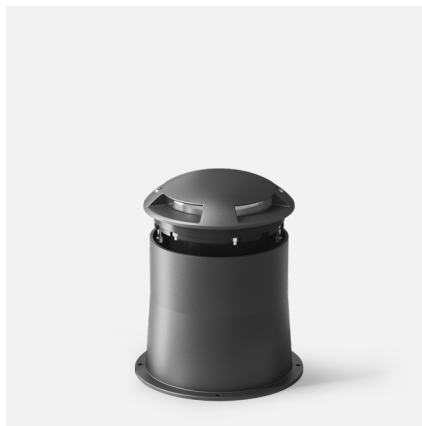


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 84271K35_BEGA_IES.ies

TEST: BE_84271K4
 TEST LAB: BEGA
 DATE: 09/04/2019
 LUMINAIRE: 84 271K35
 LAMP: 20.0W LED



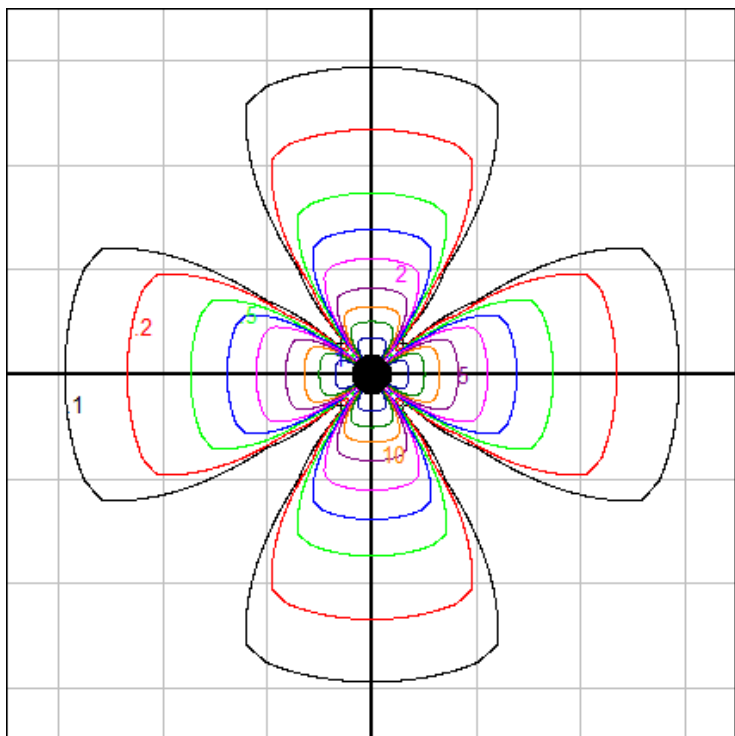
Characteristics

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	556
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	24
Total Luminaire Watts	23
Ballast Factor	1.00
Upward Waste Light Ratio	0.25
Max. Cd.	773.856 (360H, 87.5V)
Max. Cd. (<90 Vert.)	773.856 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	661.344 (118.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	773.856 (139.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

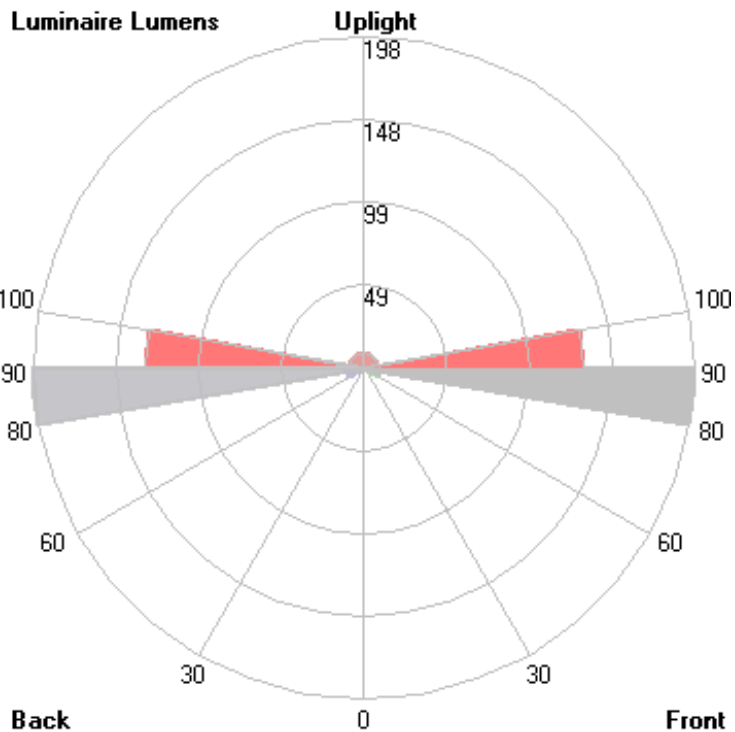
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	0.0	N.A.	0.0
FH (60-80)	10.3	N.A.	1.9
FVH (80-90)	197.8	N.A.	35.6
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	10.3	N.A.	1.9
BVH (80-90)	197.8	N.A.	35.6
UL (90-100)	130.9	N.A.	23.6
UH (100-180)	8.7	N.A.	1.6
Total	555.8	N.A.	100.0

BUG Rating B0-U3-G2



Grid Spacing: 3 ft.

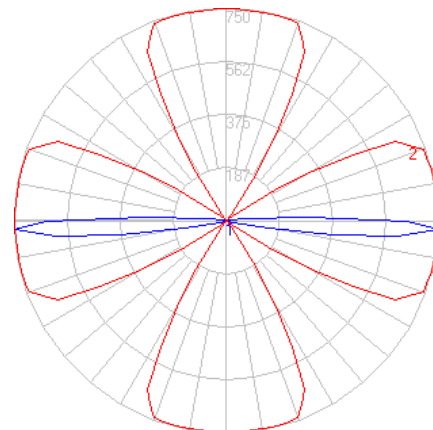
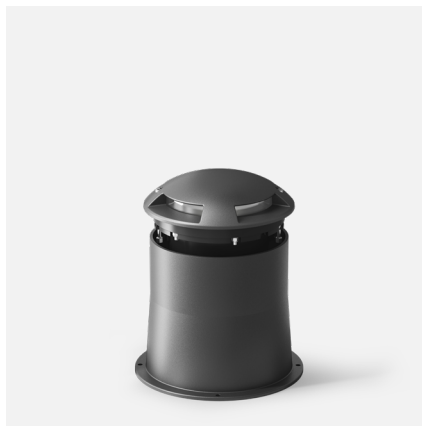


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 84271K3_BEGA_IES.ies

TEST: BE_84271K4
 TEST LAB: BEGA
 DATE: 09/04/2019
 LUMINAIRE: 84 271K3
 LAMP: 20.0W LED



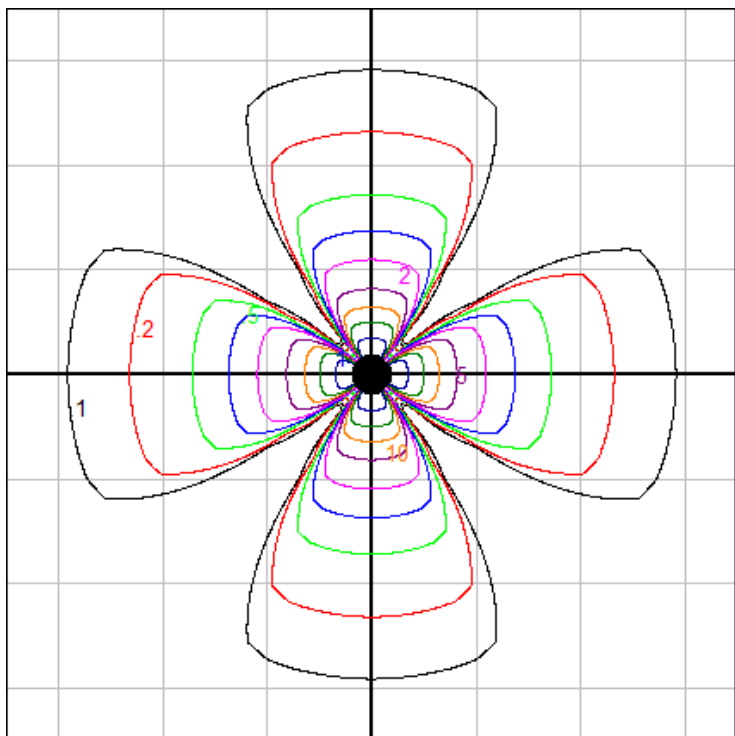
Characteristics

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	538
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	23
Total Luminaire Watts	23
Ballast Factor	1.00
Upward Waste Light Ratio	0.25
Max. Cd.	749.673 (360H, 87.5V)
Max. Cd. (<90 Vert.)	749.673 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	640.677 (119.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	749.673 (139.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

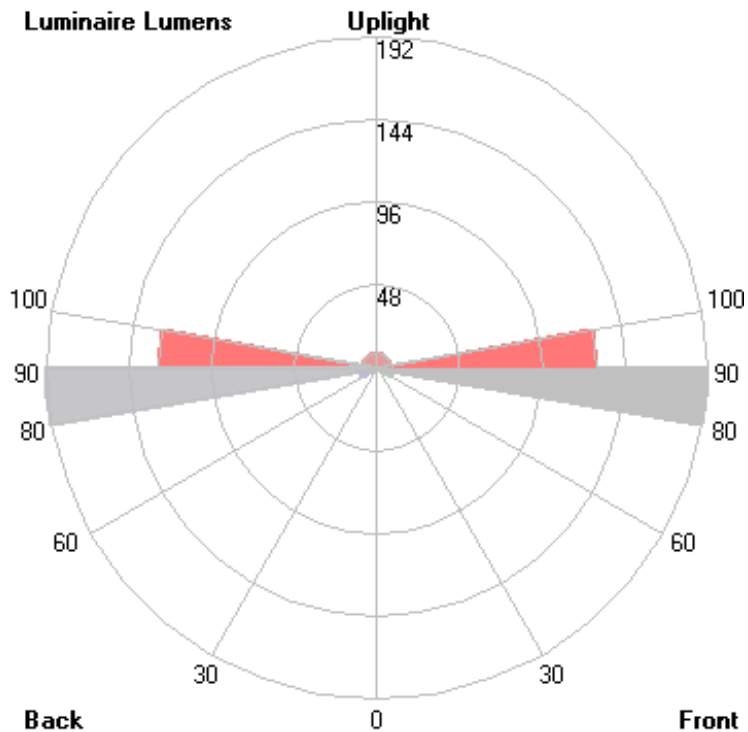
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	0.0	N.A.	0.0
FH (60-80)	10.0	N.A.	1.9
FVH (80-90)	191.6	N.A.	35.6
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	10.0	N.A.	1.9
BVH (80-90)	191.6	N.A.	35.6
UL (90-100)	126.8	N.A.	23.6
UH (100-180)	8.4	N.A.	1.6
Total	538.4	N.A.	100.0

BUG Rating B0-U3-G2



Grid Spacing: 3 ft.

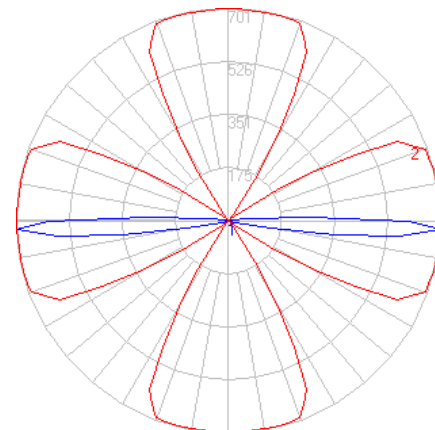


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 84271K27_BEGA_IES.ies

TEST: BE_84271K4
 TEST LAB: BEGA
 DATE: 09/04/2019
 LUMINAIRE: 84 271K27
 LAMP: 20.0W LED



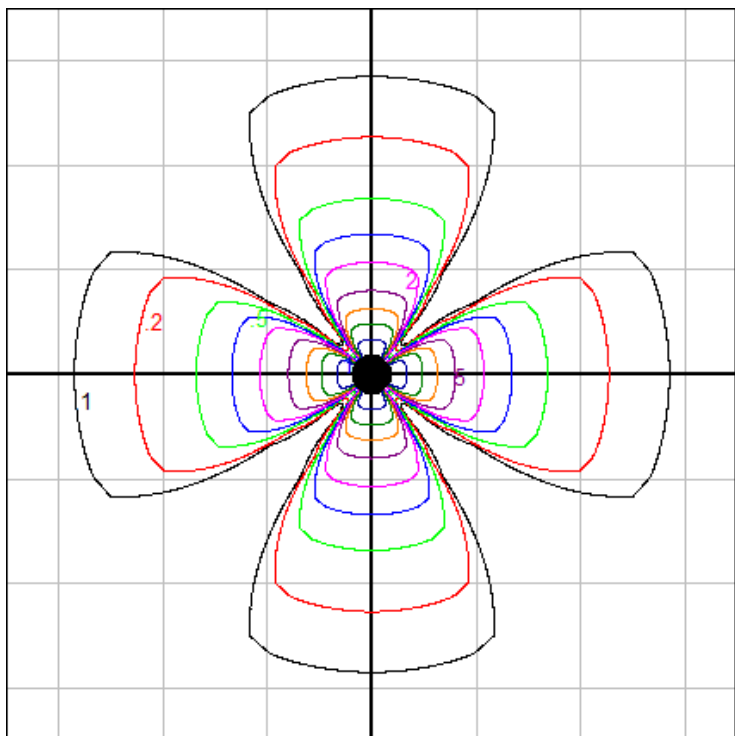
Characteristics

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	504
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	22
Total Luminaire Watts	23
Ballast Factor	1.00
Upward Waste Light Ratio	0.25
Max. Cd.	701.307 (360H, 87.5V)
Max. Cd. (<90 Vert.)	701.307 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	599.343 (118.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	701.307 (139.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

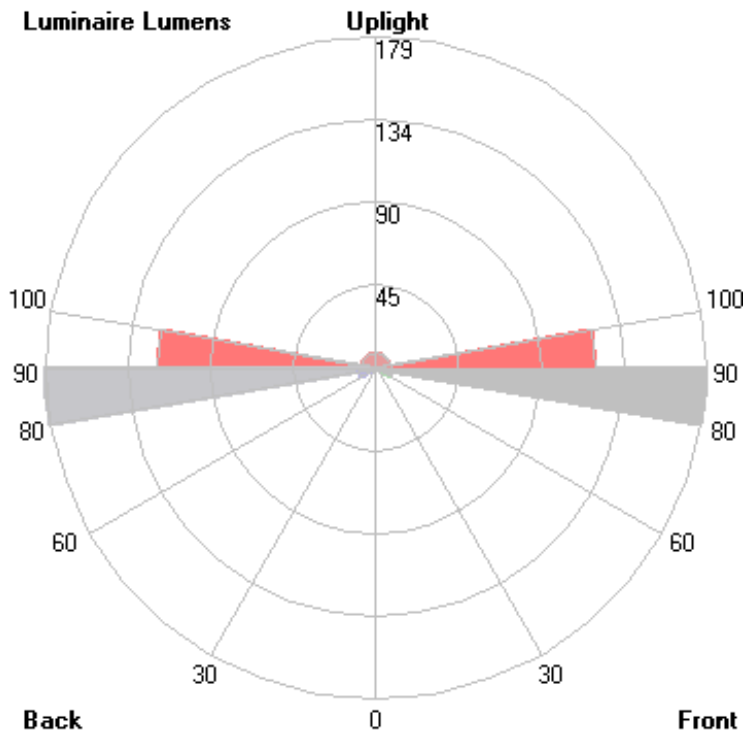
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	0.0	N.A.	0.0
FH (60-80)	9.3	N.A.	1.9
FVH (80-90)	179.2	N.A.	35.6
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	9.3	N.A.	1.9
BVH (80-90)	179.2	N.A.	35.6
UL (90-100)	118.6	N.A.	23.6
UH (100-180)	7.8	N.A.	1.6
Total	503.4	N.A.	100.0

BUG Rating B0-U3-G2



Grid Spacing: 3 ft.



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

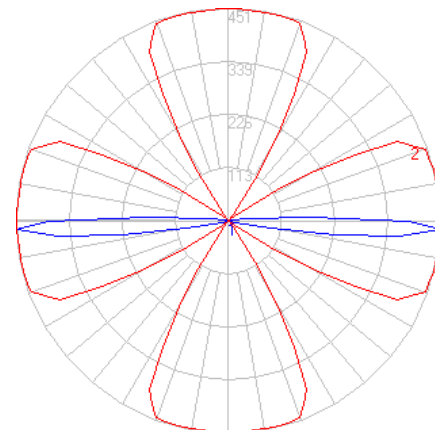
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6/17/2021

BEGA

File: 84271_AMB_BEGA_IES.ies

TEST: BE_84271K4
 TEST LAB: BEGA
 DATE: 09/04/2019
 LUMINAIRE: 84 271 AMBER
 LAMP: 15.1W LED



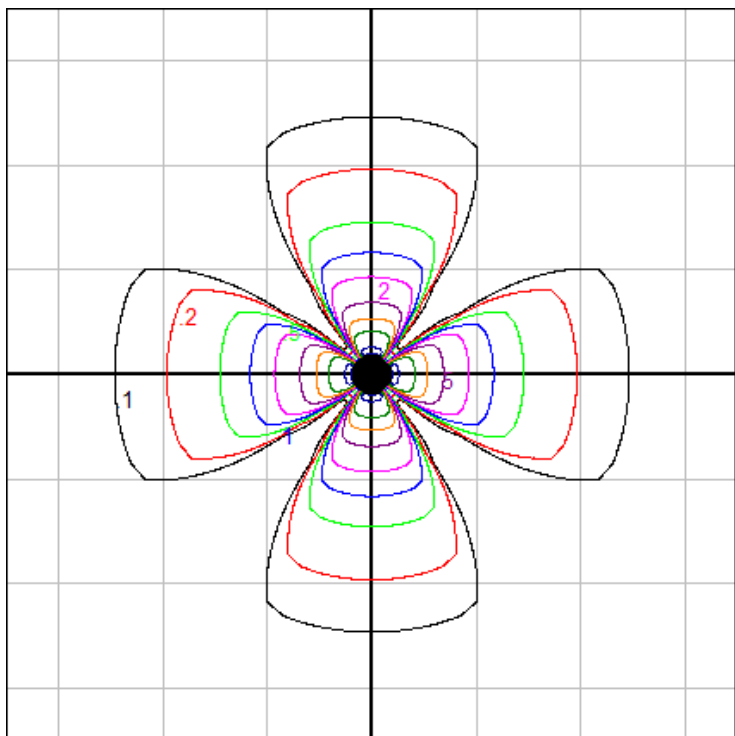
Characteristics

IES Classification	Type VS
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	324
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	19
Total Luminaire Watts	17
Ballast Factor	1.00
Upward Waste Light Ratio	0.25
Max. Cd.	451.416 (360H, 87.5V)
Max. Cd. (<90 Vert.)	451.416 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	385.784 (119.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	451.416 (139.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

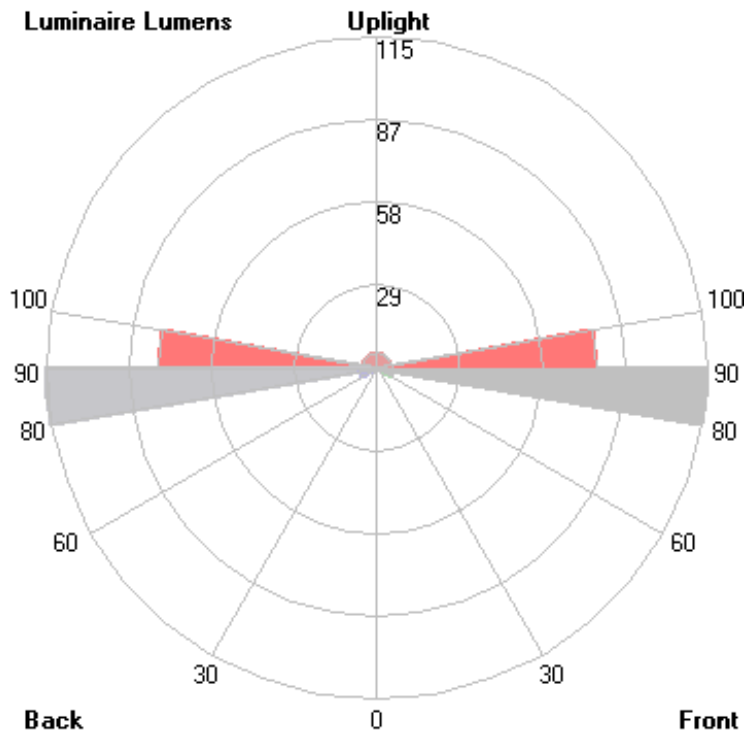
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	0.0	N.A.	0.0
FH (60-80)	6.0	N.A.	1.9
FVH (80-90)	115.4	N.A.	35.6
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	6.0	N.A.	1.9
BVH (80-90)	115.4	N.A.	35.6
UL (90-100)	76.4	N.A.	23.6
UH (100-180)	5.0	N.A.	1.6
Total	324.2	N.A.	100.0

BUG Rating B0-U3-G2



Grid Spacing: 3 ft.



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