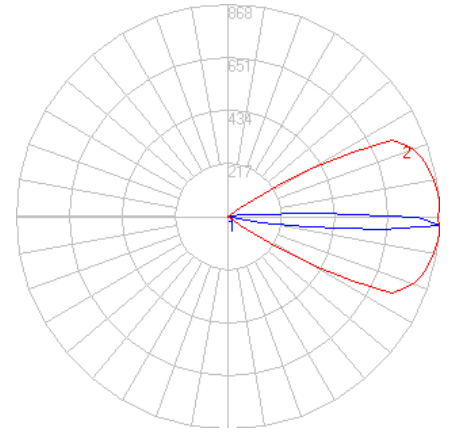


BEGA

File: 84268K4_BEGA_IES.ies

TEST: BE_84268K4
TEST LAB: BEGA
DATE: 09/04/2019
LUMINAIRE: 84 268K4
LAMP: 8.0W LED



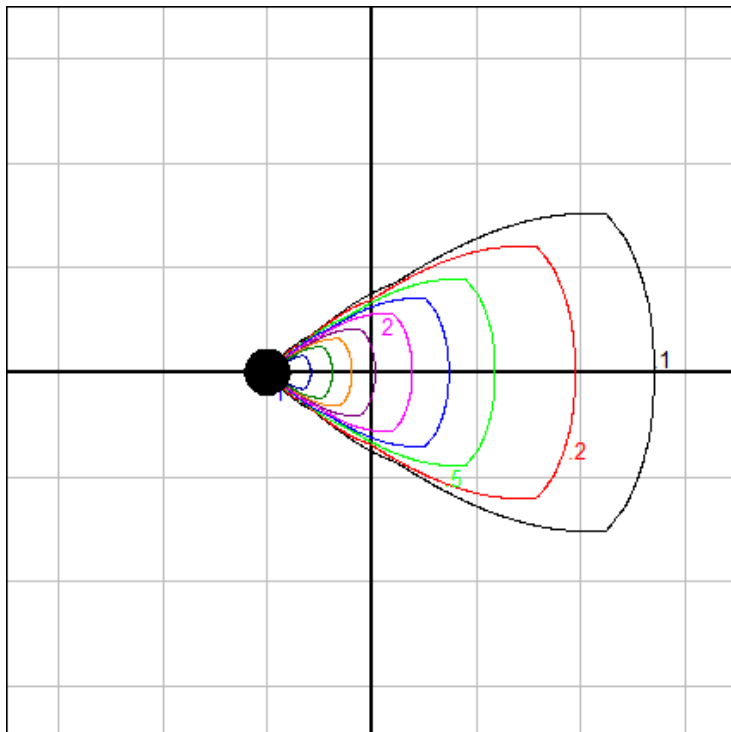
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	146
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	13
Total Luminaire Watts	11
Ballast Factor	1.00
Upward Waste Light Ratio	0.27
Max. Cd.	868.2 (355H, 87.5V)
Max. Cd. (<90 Vert.)	868.2 (355H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	780.7 (534.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	868.2 (594.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

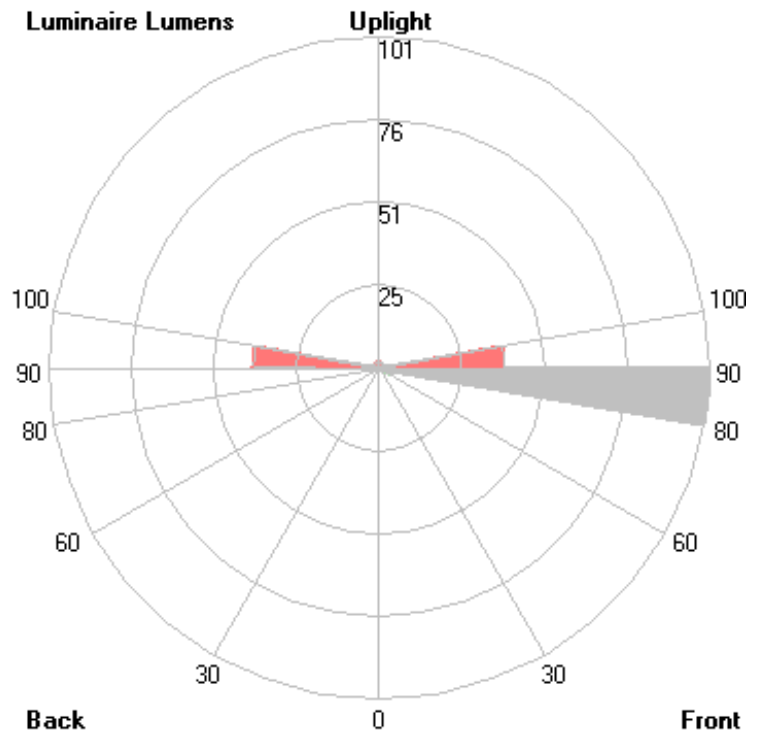
Lum. Classification System (LCS)

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)	4.8	N.A.	3.3
FVH (80-90)	101.2	N.A.	69.3
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	38.4	N.A.	26.3
UH (100-180)	1.7	N.A.	1.2
Total	146.1	N.A.	100.0

BUG Rating B0-U2-G2



Grid Spacing: 2.5 ft.



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

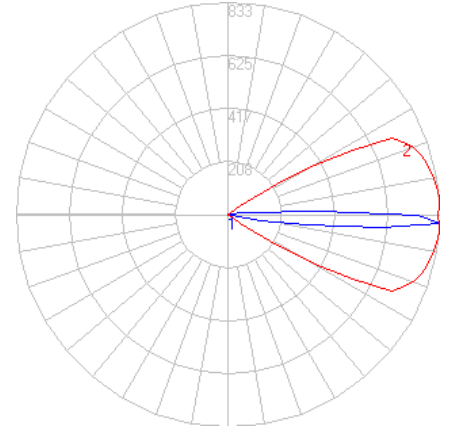
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BEGA

File: 84268K35_BEGA_IES.ies

TEST: BE_84268K4
TEST LAB: BEGA
DATE: 09/04/2019
LUMINAIRE: 84 268K35
LAMP: 8.0W LED



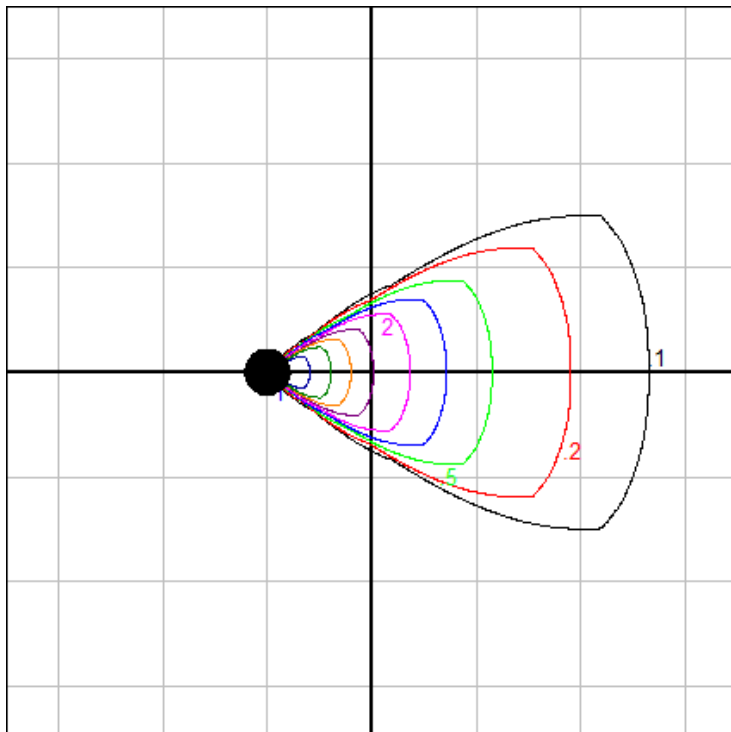
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	140
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	13
Total Luminaire Watts	11
Ballast Factor	1.00
Upward Waste Light Ratio	0.27
Max. Cd.	833.472 (355H, 87.5V)
Max. Cd. (<90 Vert.)	833.472 (355H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	749.472 (535.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	833.472 (595.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

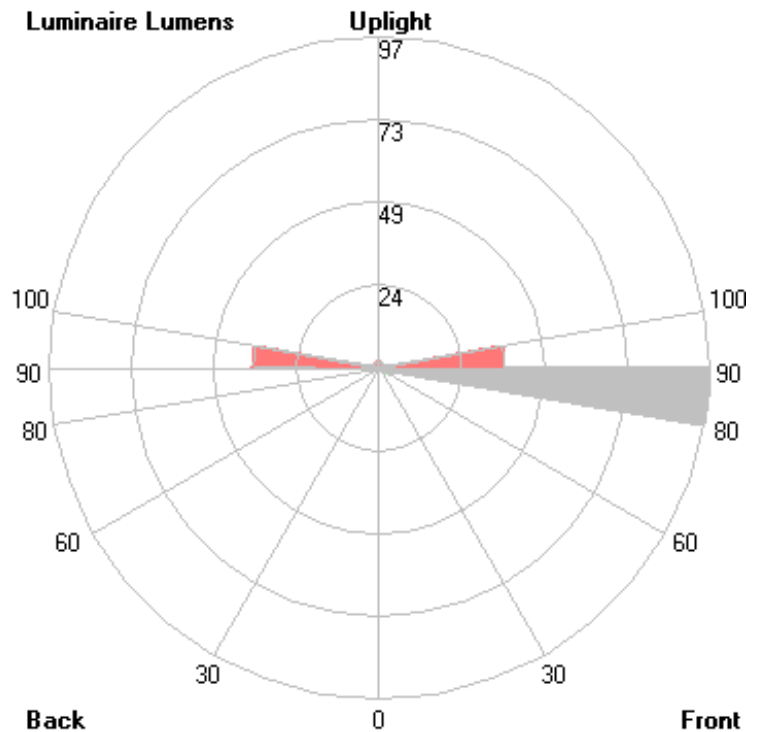
Lum. Classification System (LCS)

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)	4.6	N.A.	3.3
FVH (80-90)	97.1	N.A.	69.3
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	36.8	N.A.	26.3
UH (100-180)	1.6	N.A.	1.2
Total	140.1	N.A.	100.0

BUG Rating B0-U2-G1



Grid Spacing: 2.5 ft.



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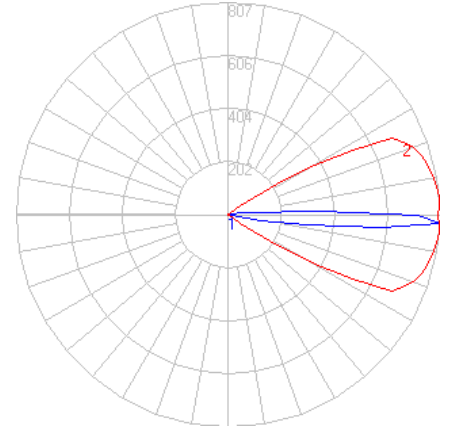
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BEGA

File: 84268K3_BEGA_IES.ies

TEST: BE_84268K4
TEST LAB: BEGA
DATE: 09/04/2019
LUMINAIRE: 84 268K3
LAMP: 8.0W LED



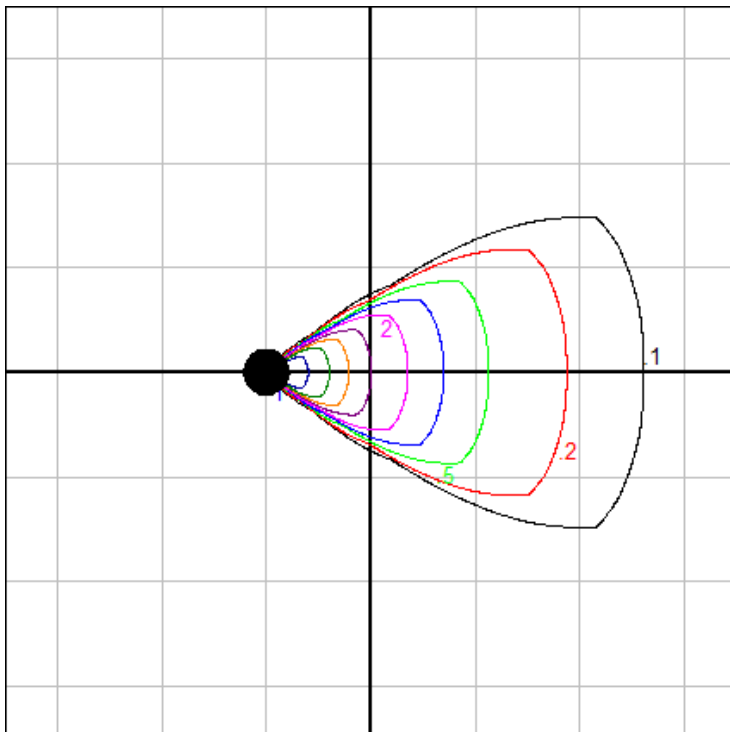
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	136
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	12
Total Luminaire Watts	11
Ballast Factor	1.00
Upward Waste Light Ratio	0.27
Max. Cd.	807.426 (355H, 87.5V)
Max. Cd. (<90 Vert.)	807.426 (355H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	726.051 (533.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	807.426 (593.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

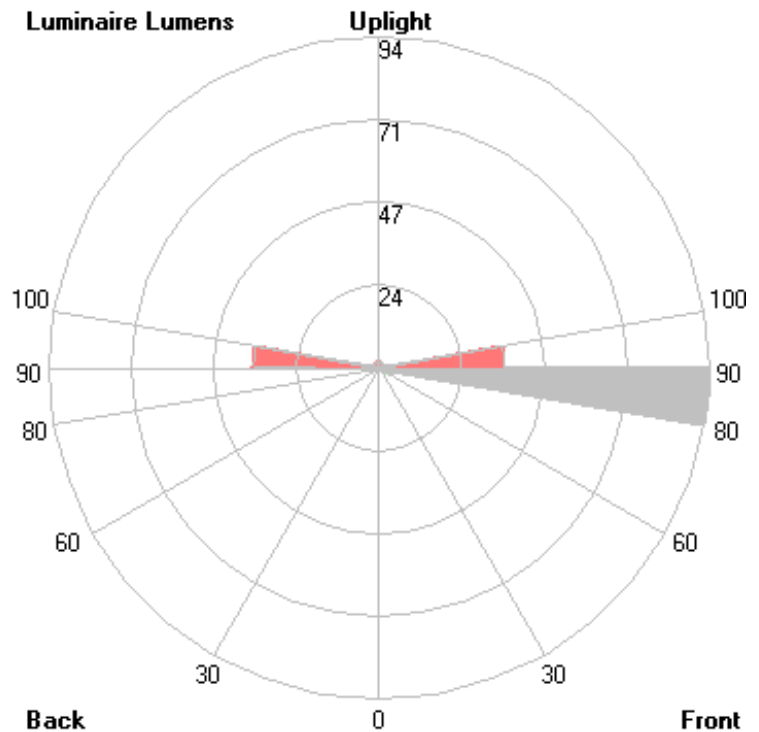
Lum. Classification System (LCS)

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)	4.4	N.A.	3.3
FVH (80-90)	94.1	N.A.	69.3
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	35.7	N.A.	26.3
UH (100-180)	1.6	N.A.	1.2
Total	135.8	N.A.	100.0

BUG Rating B0-U2-G1



Grid Spacing: 2.5 ft.



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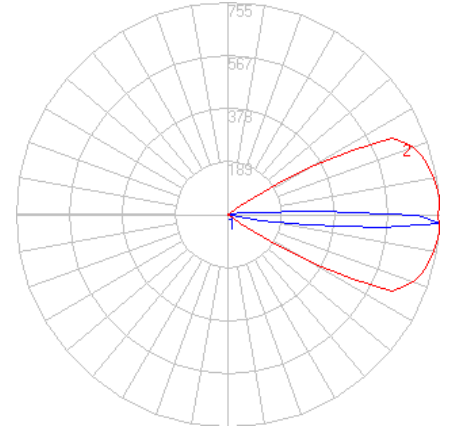
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BEGA

File: 84268K27_BEGA_IES.ies

TEST: BE_84268K4
TEST LAB: BEGA
DATE: 09/04/2019
LUMINAIRE: 84 268K27
LAMP: 8.0W LED



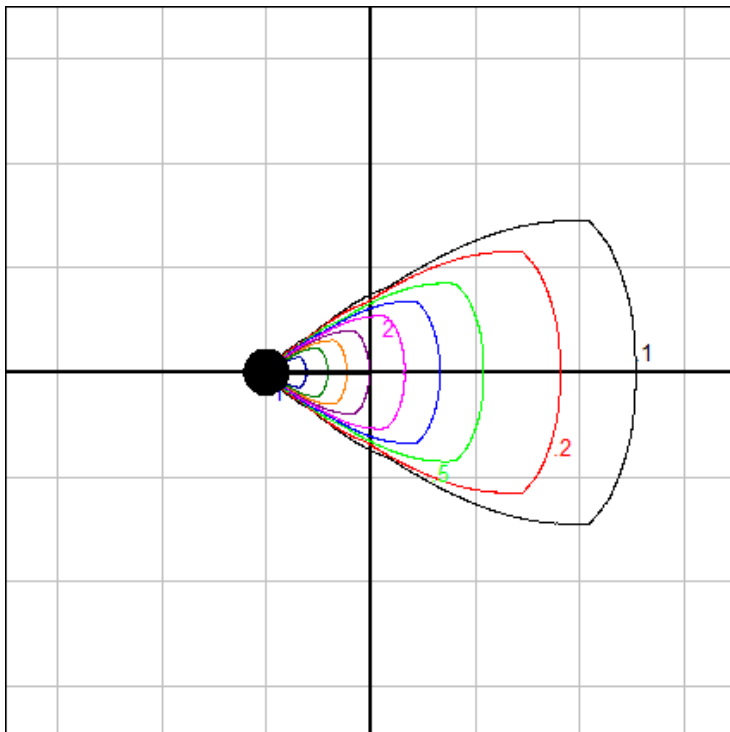
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	127
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	12
Total Luminaire Watts	11
Ballast Factor	1.00
Upward Waste Light Ratio	0.27
Max. Cd.	755.334 (355H, 87.5V)
Max. Cd. (<90 Vert.)	755.334 (355H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	679.209 (534.8%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	755.334 (594.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

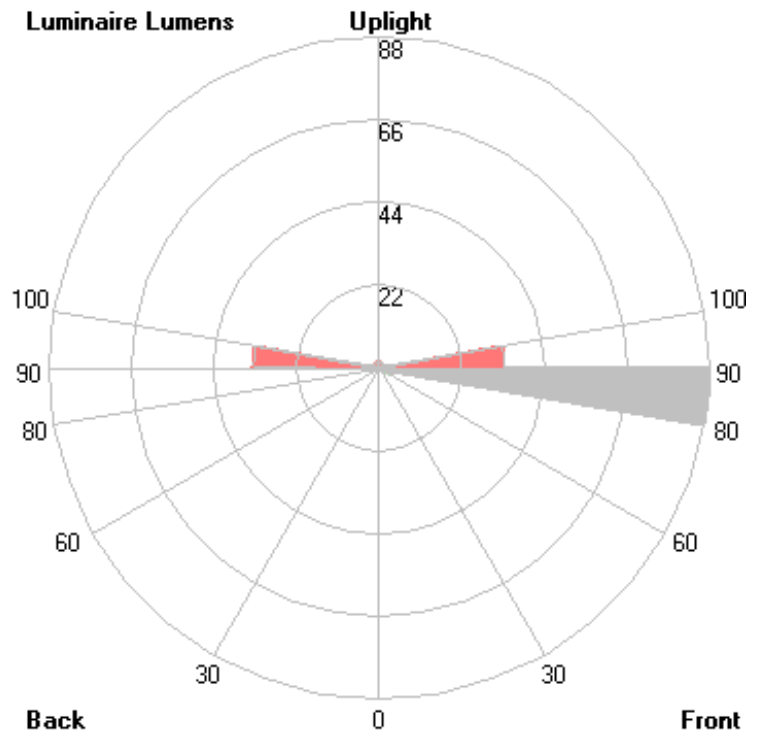
Lum. Classification System (LCS)

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)	4.1	N.A.	3.3
FVH (80-90)	88.0	N.A.	69.3
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	33.4	N.A.	26.3
UH (100-180)	1.5	N.A.	1.2
Total	127.0	N.A.	100.0

BUG Rating B0-U2-G1



Grid Spacing: 2.5 ft.



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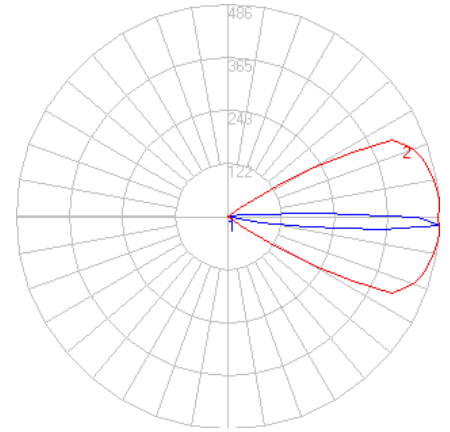
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BEGA

File: 84268_AMB_BEGA_IES.ies

TEST: BE_84268K4
TEST LAB: BEGA
DATE: 09/04/2019
LUMINAIRE: 84 268 AMBER
LAMP: 6.0W LED



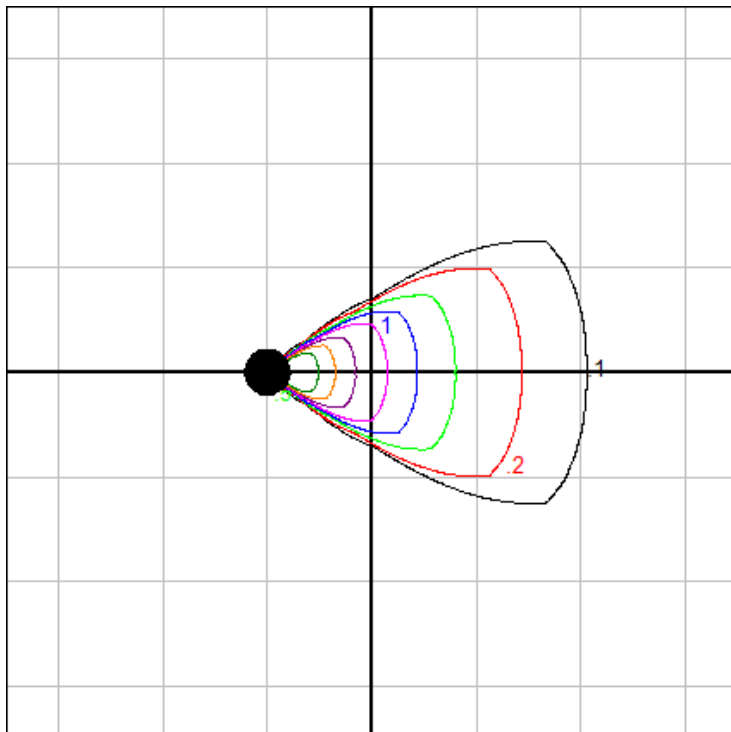
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	82
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	10
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.27
Max. Cd.	486.192 (355H, 87.5V)
Max. Cd. (<90 Vert.)	486.192 (355H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	437.192 (533.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	486.192 (592.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

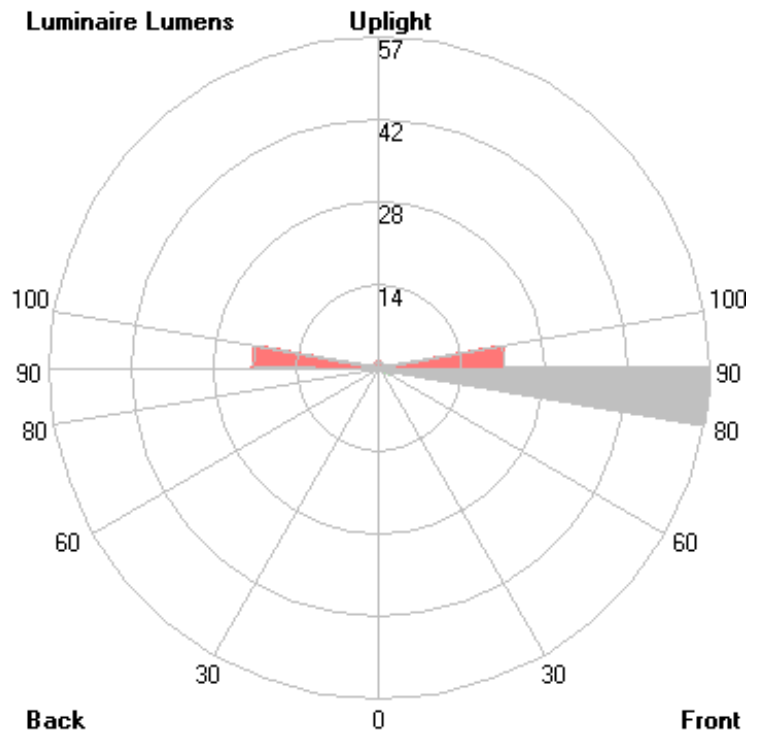
Lum. Classification System (LCS)

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)	2.7	N.A.	3.3
FVH (80-90)	56.7	N.A.	69.3
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	21.5	N.A.	26.3
UH (100-180)	0.9	N.A.	1.2
Total	81.8	N.A.	100.0

BUG Rating B0-U2-G1



Grid Spacing: 2.5 ft.



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