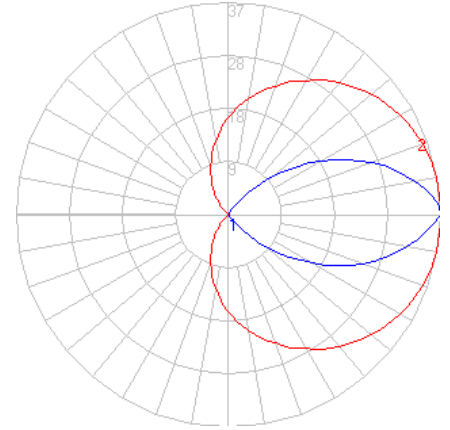


BEGA

File: 84316K4_BEGA_IES.ies

TEST: BE_84316K4
TEST LAB: BEGA
DATE: 09/24/2020
LUMINAIRE: 84 316K4
LAMP: 3.9W LED



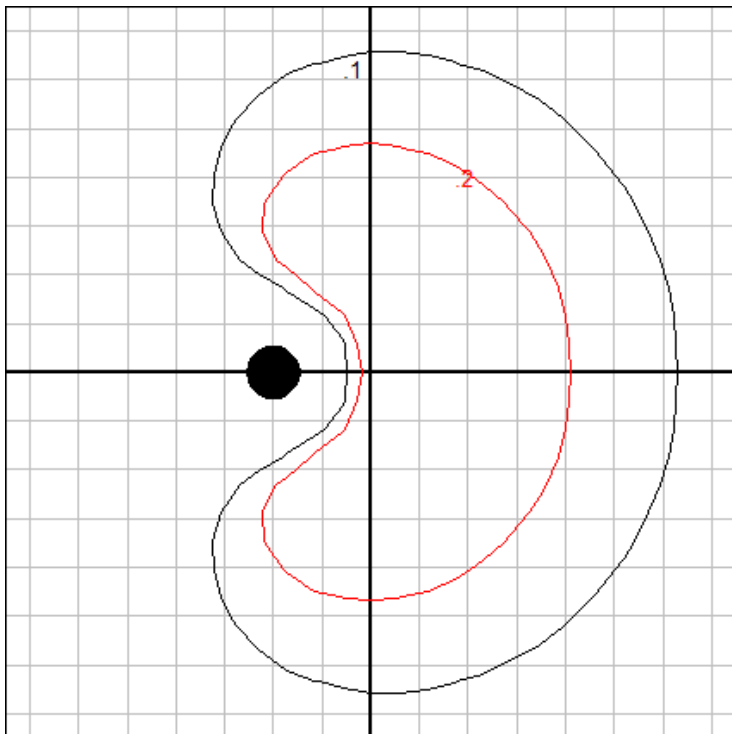
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	101
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	13
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.51
Max. Cd.	36.7 (360H, 90V)
Max. Cd. (<90 Vert.)	35.7 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	36.7 (36.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	35.7 (35.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

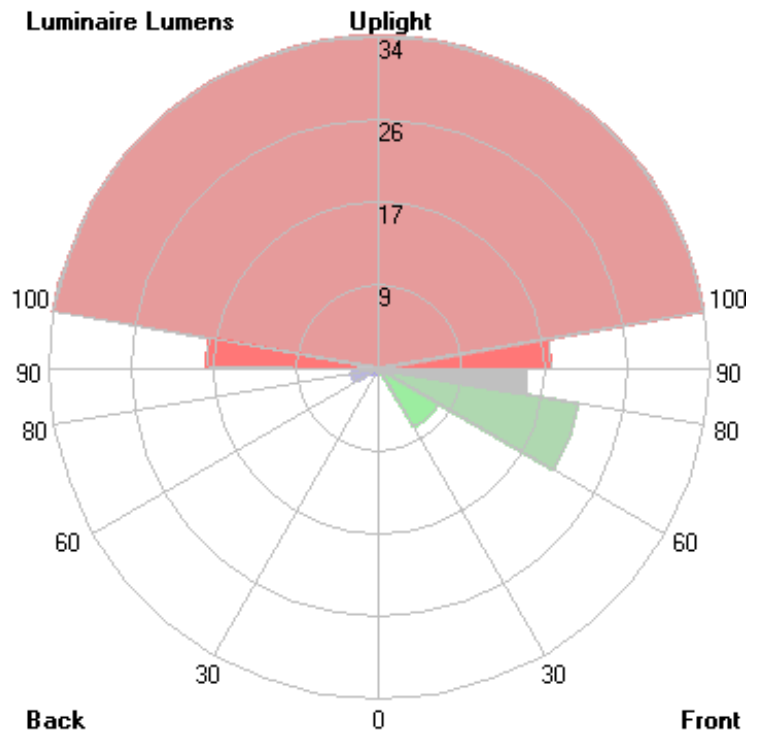
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.1	N.A.	0.1
FM (30-60)	7.1	N.A.	7.0
FH (60-80)	20.9	N.A.	20.6
FVH (80-90)	15.3	N.A.	15.1
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	0.8	N.A.	0.8
BH (60-80)	2.9	N.A.	2.8
BVH (80-90)	2.2	N.A.	2.1
UL (90-100)	17.7	N.A.	17.5
UH (100-180)	34.1	N.A.	33.7
Total	101.1	N.A.	100.0

BUG Rating B0-U2-G1



Grid Spacing: 1 ft.



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

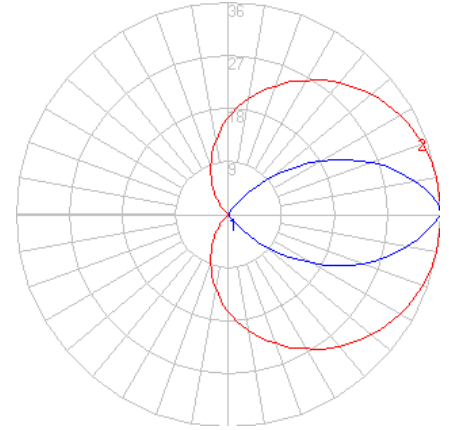
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BEGA

File: 84316K35_BEGA_IES.ies

TEST: BE_84316K4
TEST LAB: BEGA
DATE: 09/24/2020
LUMINAIRE: 84 316K35
LAMP: 3.9W LED



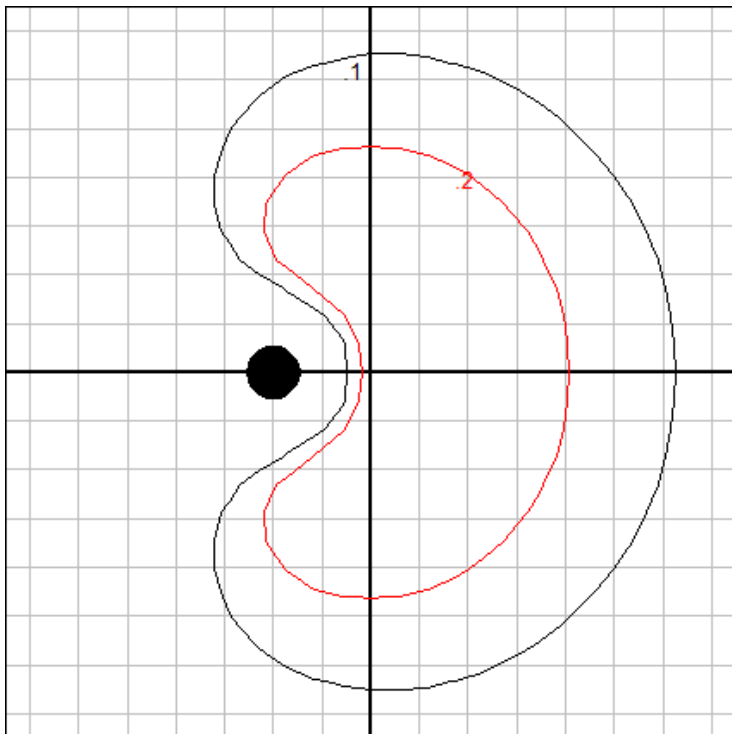
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	100
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	12
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.51
Max. Cd.	36.223 (360H, 90V)
Max. Cd. (<90 Vert.)	35.236 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	36.223 (36.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	35.236 (35.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

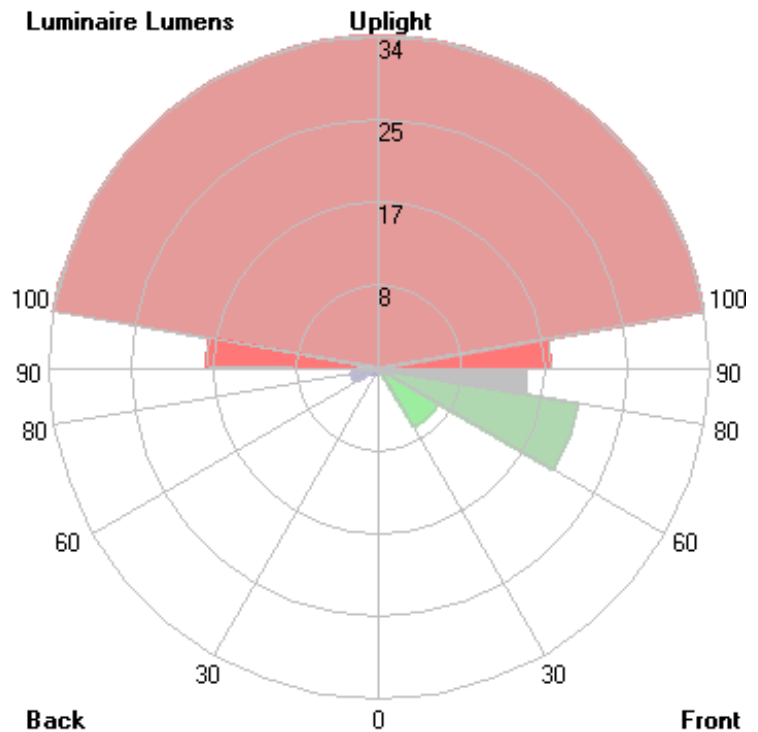
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.1	N.A.	0.1
FM (30-60)	7.0	N.A.	7.0
FH (60-80)	20.6	N.A.	20.7
FVH (80-90)	15.1	N.A.	15.1
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	0.8	N.A.	0.8
BH (60-80)	2.8	N.A.	2.8
BVH (80-90)	2.1	N.A.	2.1
UL (90-100)	17.5	N.A.	17.6
UH (100-180)	33.7	N.A.	33.8
Total	99.7	N.A.	100.0

BUG Rating B0-U2-G1



Grid Spacing: 1 ft.



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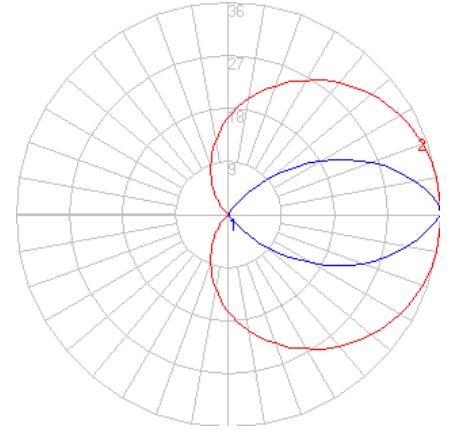
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File: 84316K3_BEGA_IES.ies

TEST: BE_84316K4
TEST LAB: BEGA
DATE: 09/24/2020
LUMINAIRE: 84 316K3
LAMP: 3.9W LED



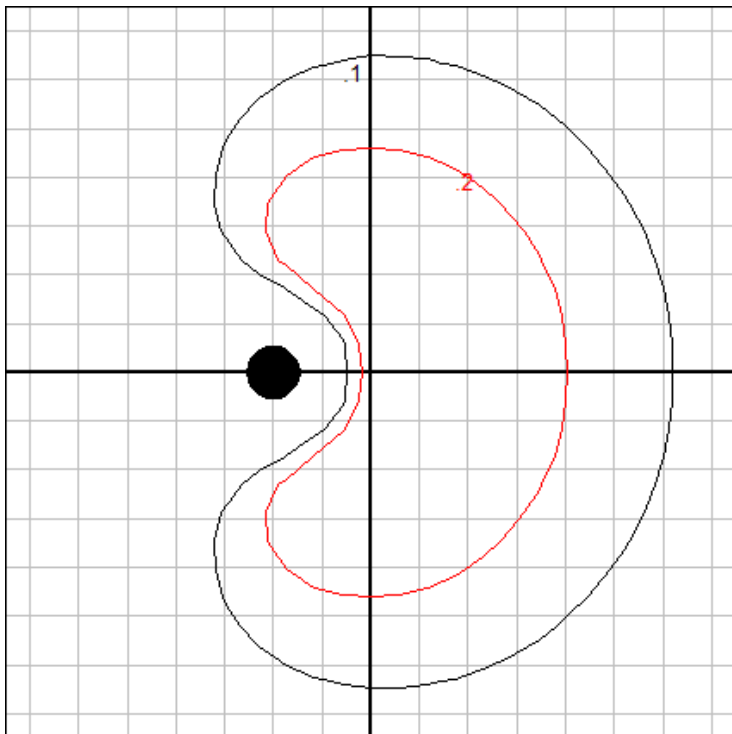
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	98
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	12
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.51
Max. Cd.	35.746 (360H, 90V)
Max. Cd. (<90 Vert.)	34.772 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	35.746 (36.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	34.772 (35.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

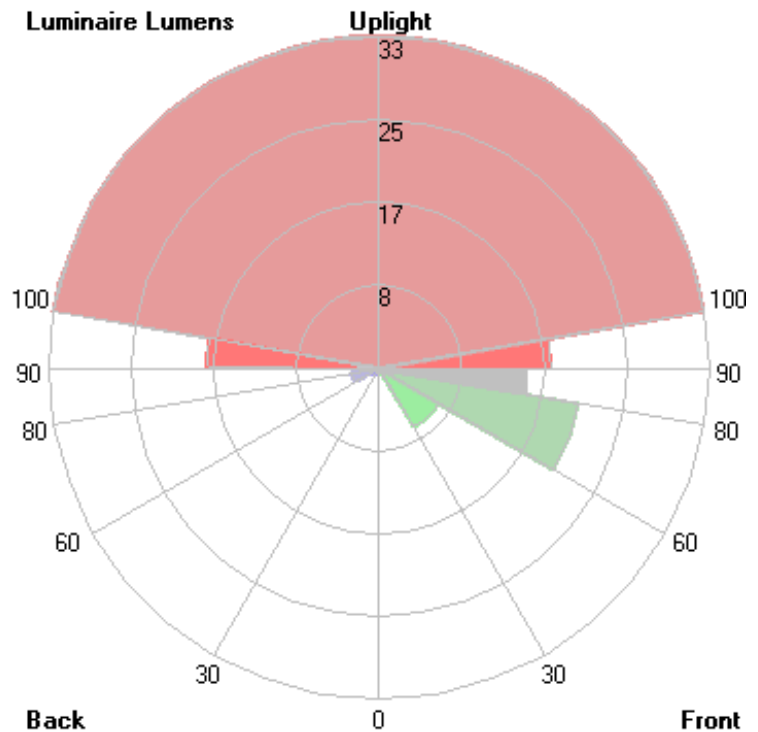
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.1	N.A.	0.1
FM (30-60)	6.9	N.A.	7.0
FH (60-80)	20.3	N.A.	20.7
FVH (80-90)	14.9	N.A.	15.1
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	0.8	N.A.	0.8
BH (60-80)	2.8	N.A.	2.8
BVH (80-90)	2.1	N.A.	2.1
UL (90-100)	17.3	N.A.	17.6
UH (100-180)	33.2	N.A.	33.8
Total	98.4	N.A.	100.0

BUG Rating B0-U2-G1



Grid Spacing: 1 ft.



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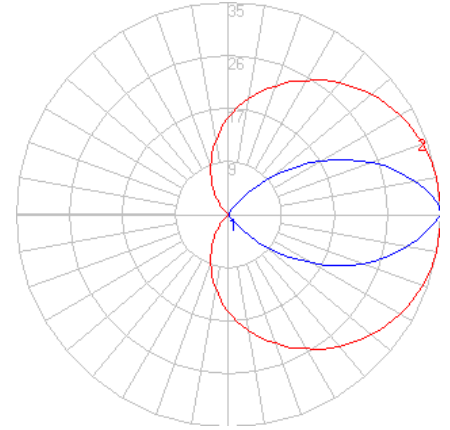
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BEGA

File: 84316K27_BEGA_IES.ies

TEST: BE_84316K4
TEST LAB: BEGA
DATE: 09/24/2020
LUMINAIRE: 84 316K27
LAMP: 3.9W LED



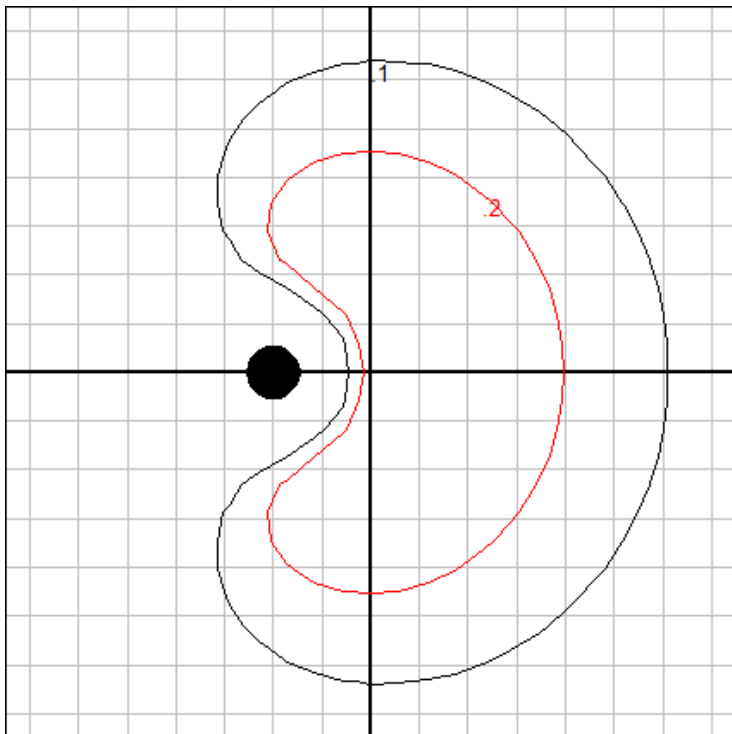
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	95
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	12
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.51
Max. Cd.	34.571 (360H, 90V)
Max. Cd. (<90 Vert.)	33.629 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	34.571 (36.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	33.629 (35.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

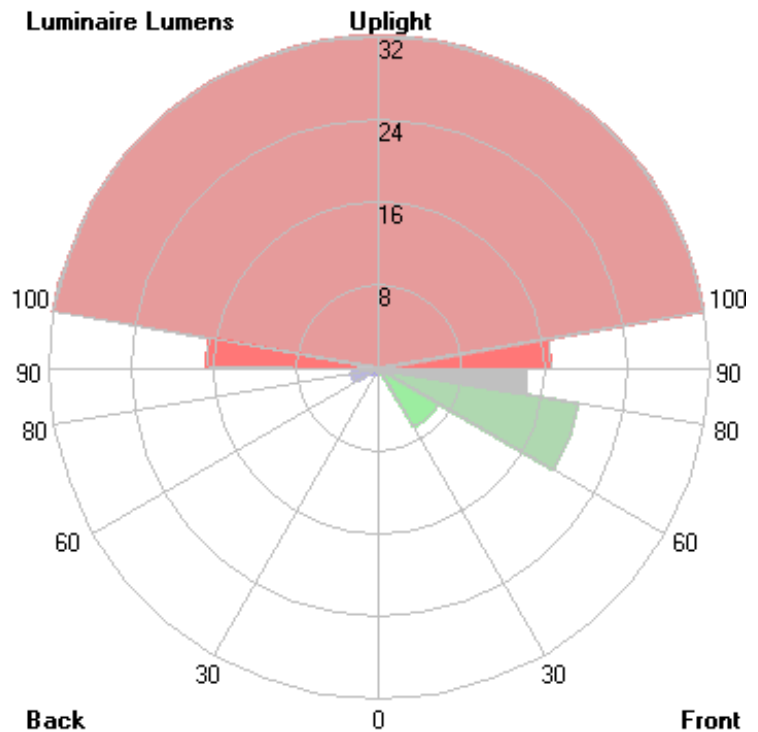
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.1	N.A.	0.1
FM (30-60)	6.7	N.A.	7.0
FH (60-80)	19.7	N.A.	20.7
FVH (80-90)	14.4	N.A.	15.1
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	0.8	N.A.	0.8
BH (60-80)	2.7	N.A.	2.8
BVH (80-90)	2.0	N.A.	2.1
UL (90-100)	16.7	N.A.	17.6
UH (100-180)	32.1	N.A.	33.7
Total	95.2	N.A.	100.0

BUG Rating B0-U2-G1



Grid Spacing: 1 ft.



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