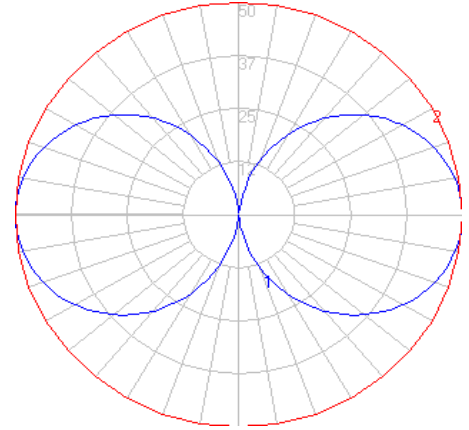


BEGA

File: 84310K4_BEGA_IES.ies

TEST: BE_84310K4
TEST LAB: BEGA
DATE: 09/24/2020
LUMINAIRE: 84 310K4
LAMP: 3.9W LED



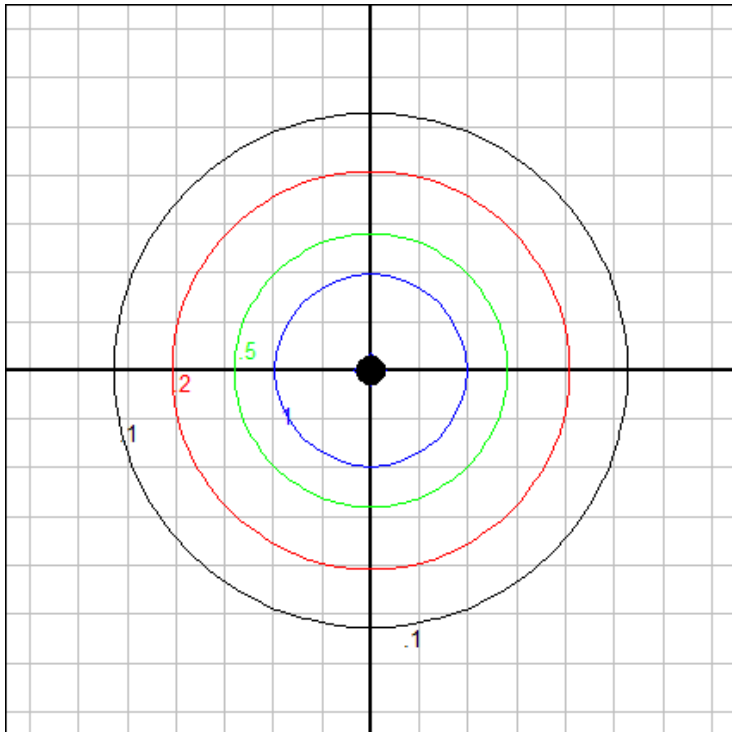
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	475
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	95
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	49.9 (0H, 92.5V)
Max. Cd. (<90 Vert.)	49.9 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	49.9 (10.5%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	49.9 (10.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

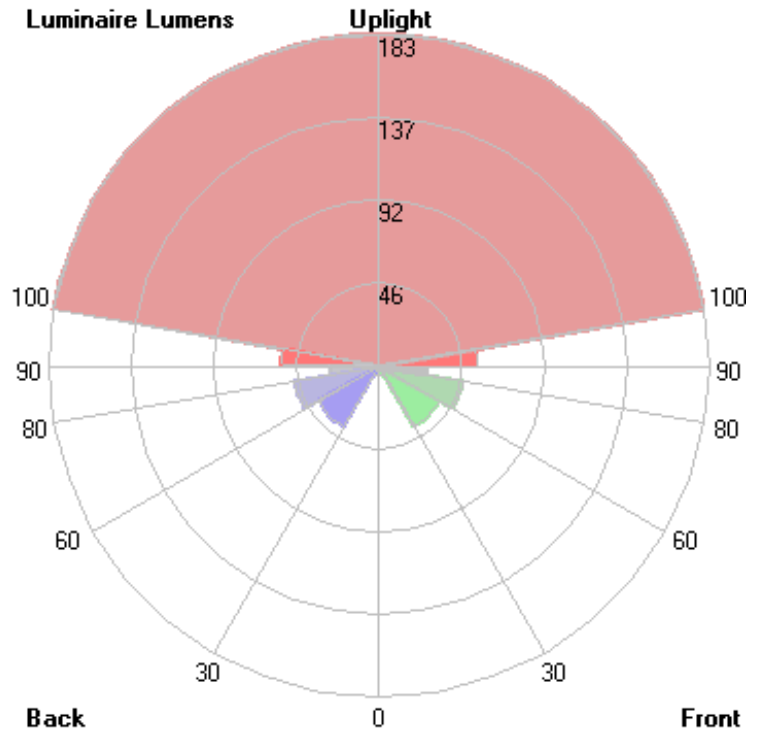
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	5.4	N.A.	1.1
FM (30-60)	38.7	N.A.	8.2
FH (60-80)	47.5	N.A.	10.0
FVH (80-90)	27.1	N.A.	5.7
BL (0-30)	5.4	N.A.	1.1
BM (30-60)	38.7	N.A.	8.2
BH (60-80)	47.5	N.A.	10.0
BVH (80-90)	27.1	N.A.	5.7
UL (90-100)	54.1	N.A.	11.4
UH (100-180)	183.1	N.A.	38.6
Total	474.6	N.A.	100.0

BUG Rating B0-U3-G1



Grid Spacing: 2 ft.



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

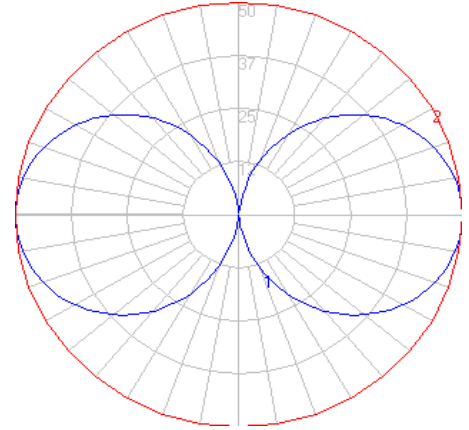
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BEGA

File: 84310K35_BEGA_IES.ies

TEST: BE_84310K4
TEST LAB: BEGA
DATE: 09/24/2020
LUMINAIRE: 84 310K35
LAMP: 3.9W LED



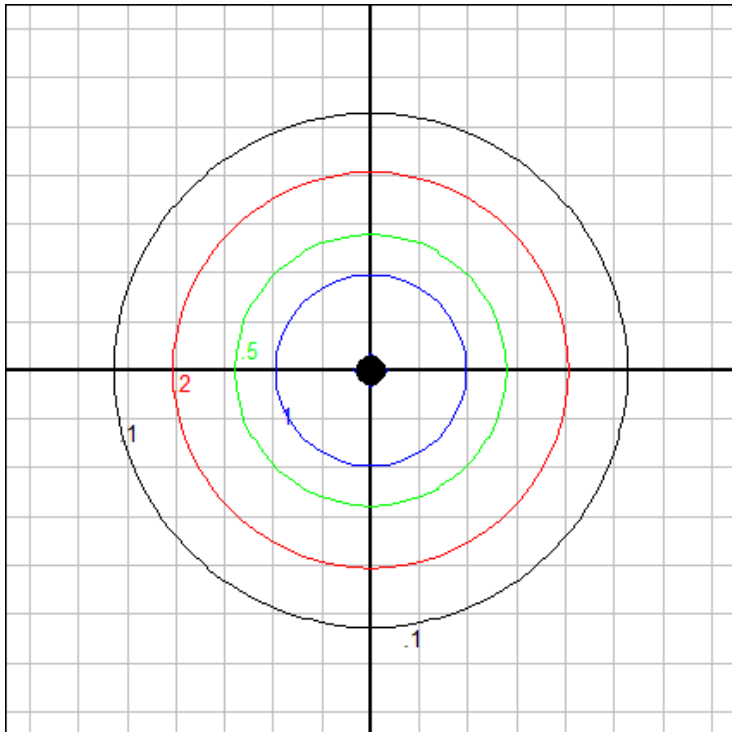
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	471
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	94
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	49.501 (0H, 92.5V)
Max. Cd. (<90 Vert.)	49.501 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	49.501 (10.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	49.501 (10.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

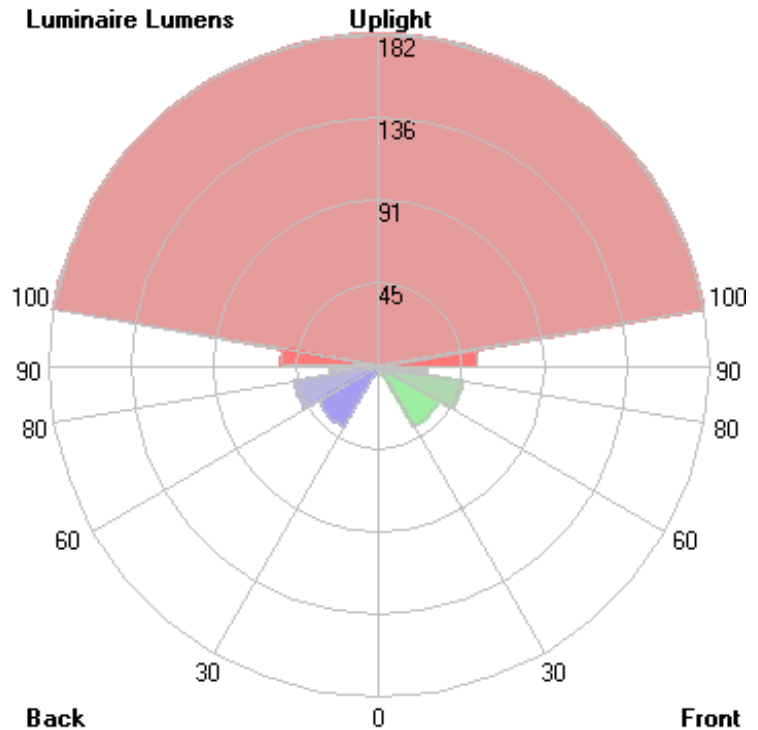
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	5.4	N.A.	1.1
FM (30-60)	38.4	N.A.	8.2
FH (60-80)	47.2	N.A.	10.0
FVH (80-90)	26.9	N.A.	5.7
BL (0-30)	5.4	N.A.	1.1
BM (30-60)	38.4	N.A.	8.2
BH (60-80)	47.2	N.A.	10.0
BVH (80-90)	26.9	N.A.	5.7
UL (90-100)	53.7	N.A.	11.4
UH (100-180)	181.6	N.A.	38.5
Total	471.1	N.A.	100.0

BUG Rating B0-U3-G1



Grid Spacing: 2 ft.



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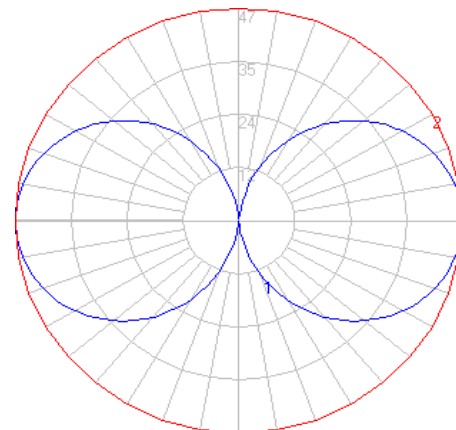
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File: 84310K3_BEGA_IES.ies

TEST: BE_84310K4
TEST LAB: BEGA
DATE: 09/24/2020
LUMINAIRE: 84 310K3
LAMP: 3.9W LED



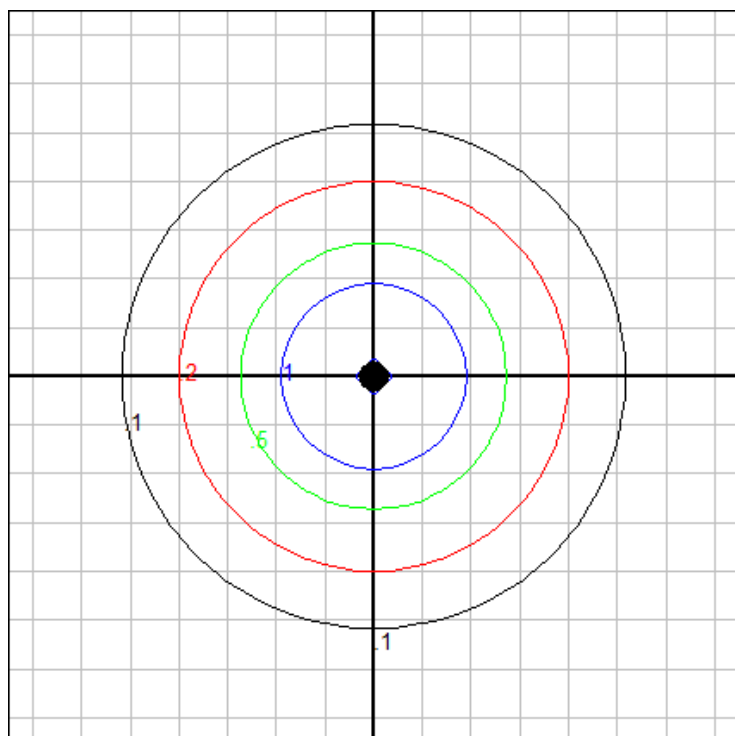
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	450
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	47.255 (0H, 92.5V)
Max. Cd. (<90 Vert.)	47.255 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	47.255 (9.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	47.255 (9.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

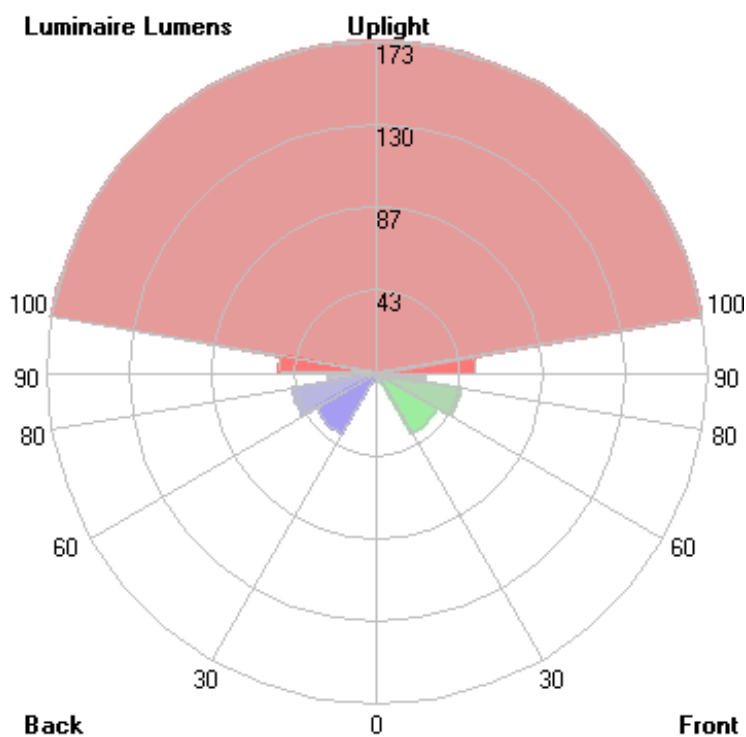
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	5.1	N.A.	1.1
FM (30-60)	36.7	N.A.	8.2
FH (60-80)	45.0	N.A.	10.0
FVH (80-90)	25.7	N.A.	5.7
BL (0-30)	5.1	N.A.	1.1
BM (30-60)	36.7	N.A.	8.2
BH (60-80)	45.0	N.A.	10.0
BVH (80-90)	25.7	N.A.	5.7
UL (90-100)	51.3	N.A.	11.4
UH (100-180)	173.4	N.A.	38.6
Total	449.7	N.A.	100.0

BUG Rating B0-U3-G1



Grid Spacing: 2 ft.



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