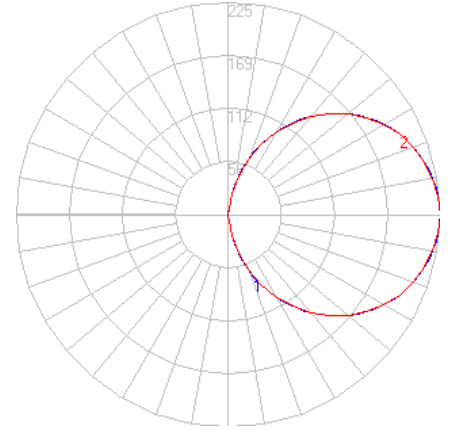
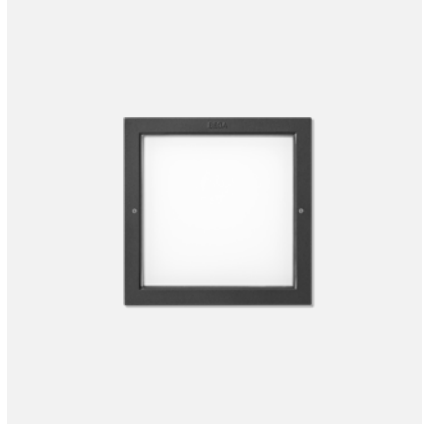


BEGA

File: 24215K4_BEGA_IES.ies

TEST: BE_24215K4
TEST LAB: BEGA
DATE: 3/1/2017
LUMINAIRE: 24 215K4
LAMP: 5.8W LED



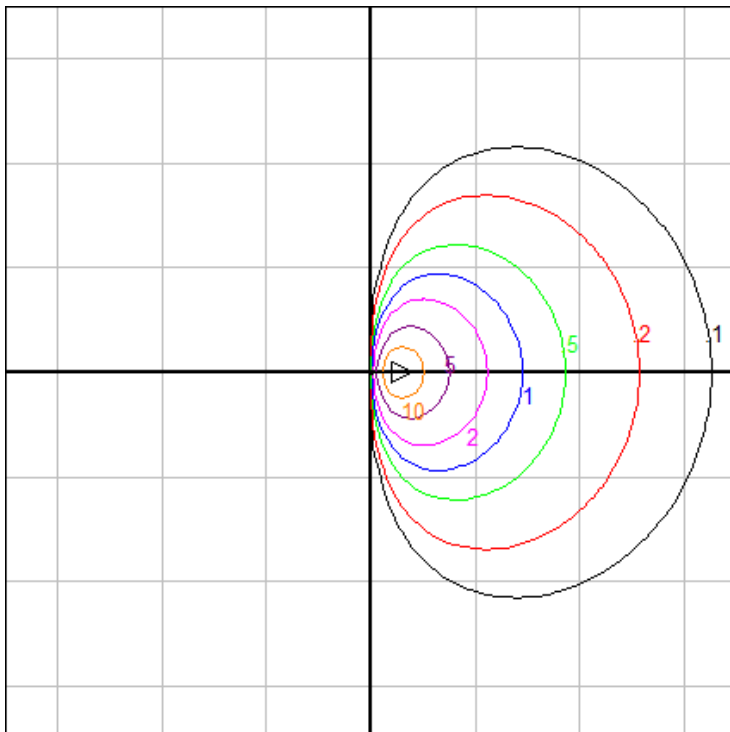
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	644
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	72
Total Luminaire Watts	9
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	224.9 (0H, 90V)
Max. Cd. (<90 Vert.)	224.5 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	224.9 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	224.5 (34.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

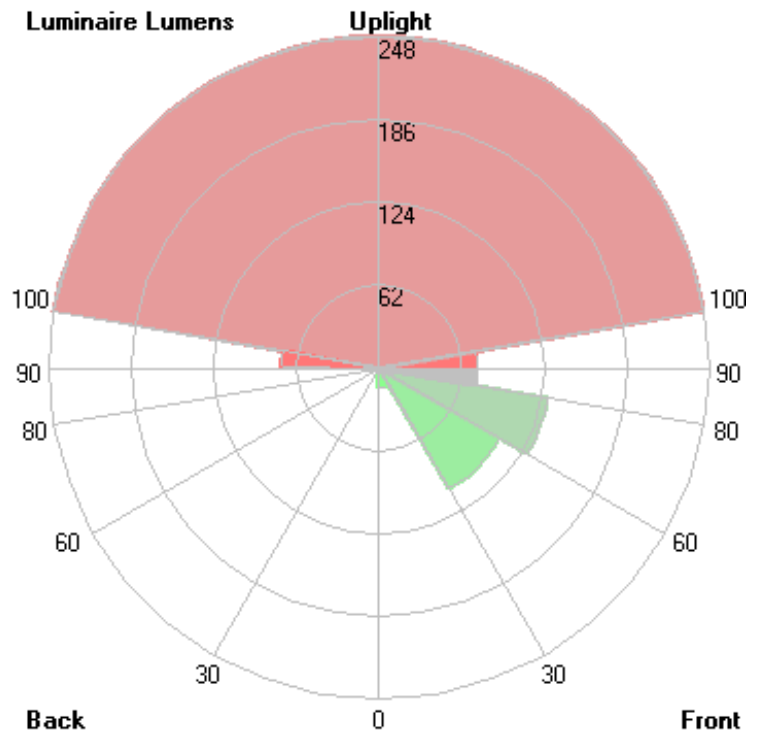
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	14.7	N.A.	2.3
FM (30-60)	105.0	N.A.	16.3
FH (60-80)	128.7	N.A.	20.0
FVH (80-90)	73.5	N.A.	11.4
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	73.5	N.A.	11.4
UH (100-180)	248.4	N.A.	38.6
Total	643.8	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 2 ft.

Grid Spacing: 5 ft.



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

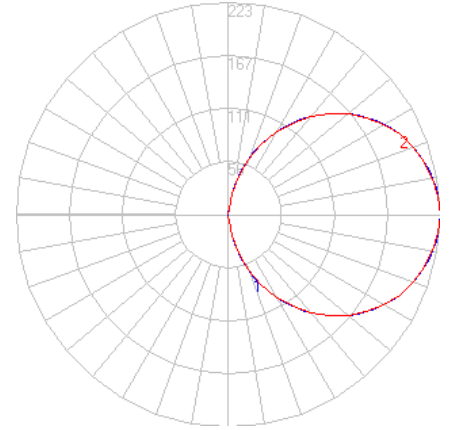
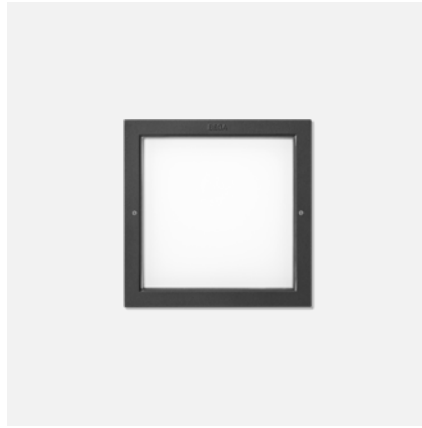
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BEGA

File: 24215K35_BEGA_IES.ies

TEST: BE_24215K4
TEST LAB: BEGA
DATE: 3/1/2017
LUMINAIRE: 24 215K35
LAMP: 5.8W LED



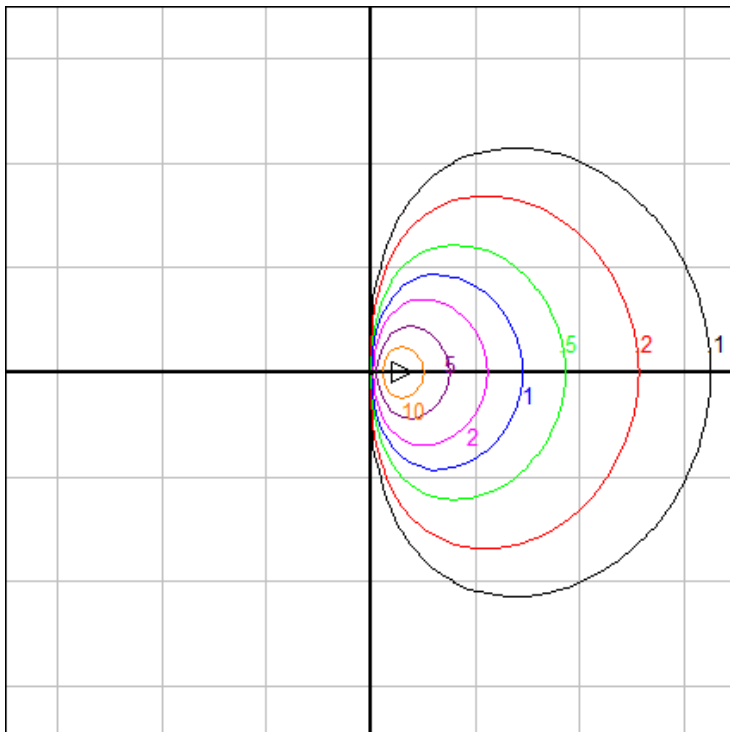
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	637
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	9
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	222.651 (0H, 90V)
Max. Cd. (<90 Vert.)	222.255 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	222.651 (35.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	222.255 (34.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

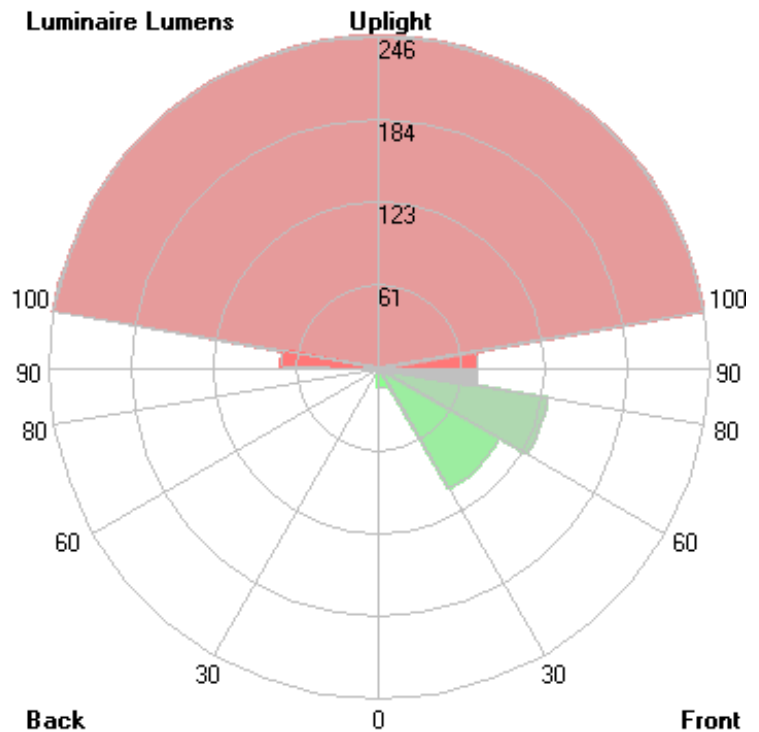
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	14.5	N.A.	2.3
FM (30-60)	103.9	N.A.	16.3
FH (60-80)	127.4	N.A.	20.0
FVH (80-90)	72.8	N.A.	11.4
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	72.8	N.A.	11.4
UH (100-180)	245.9	N.A.	38.6
Total	637.3	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 2 ft.

Grid Spacing: 5 ft.



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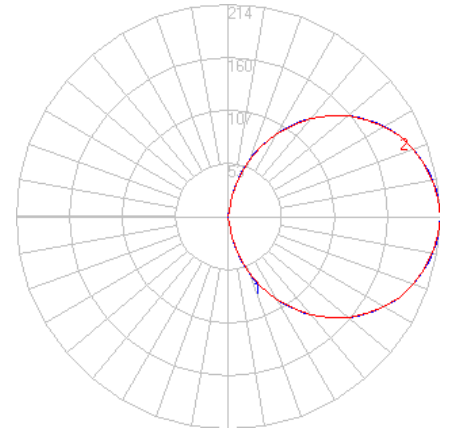
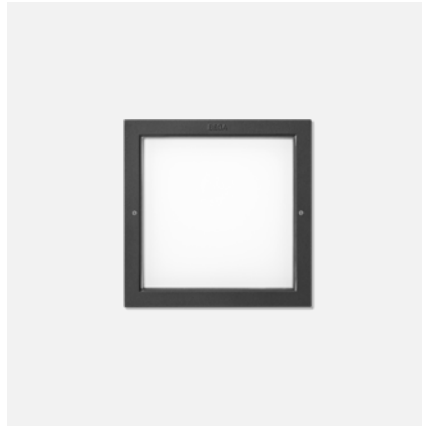
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File: 24215K3_BEGA_IES.ies

TEST: BE_24215K4
TEST LAB: BEGA
DATE: 3/1/2017
LUMINAIRE: 24 215K3
LAMP: 5.8W LED



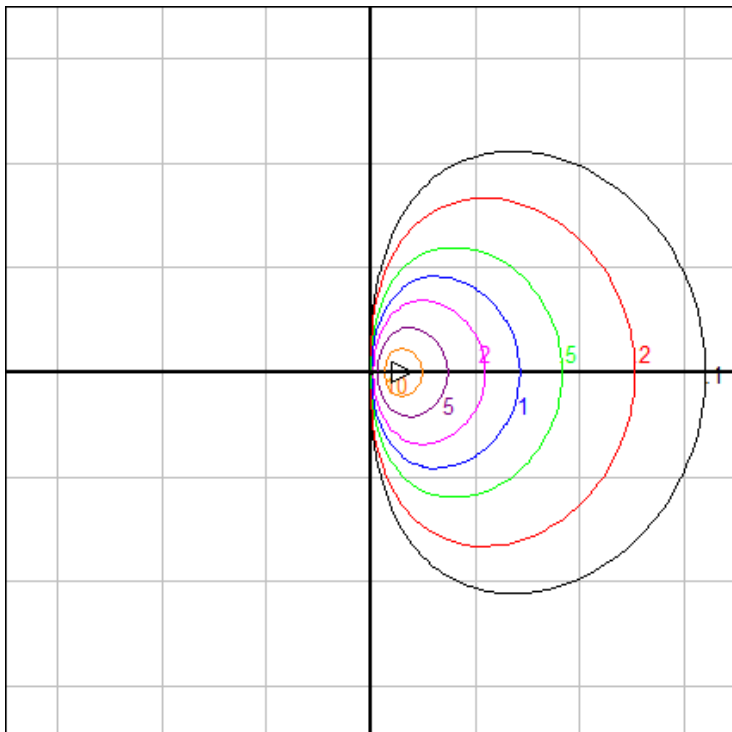
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	612
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	9
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	213.655 (0H, 90V)
Max. Cd. (<90 Vert.)	213.275 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	213.655 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	213.275 (34.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

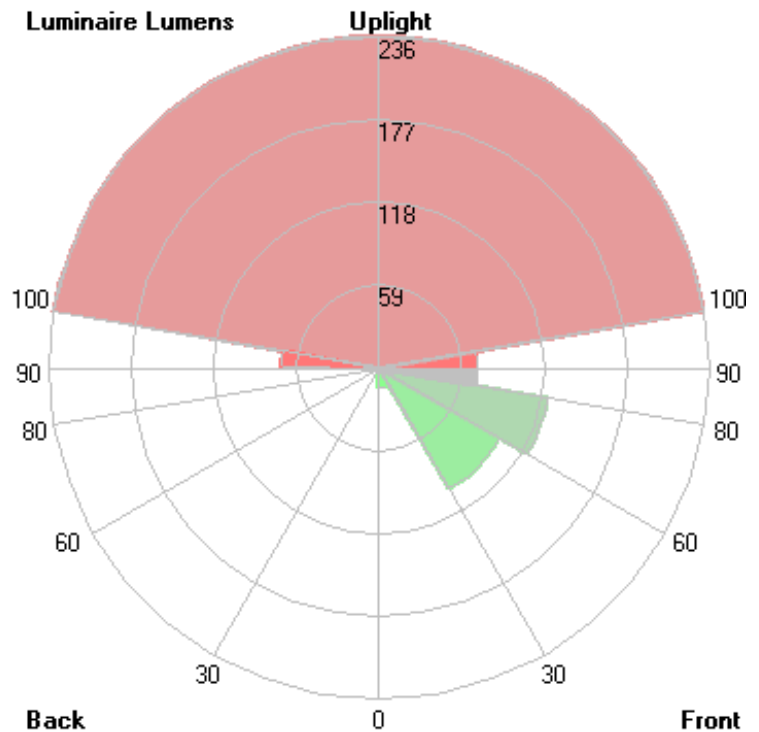
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	13.9	N.A.	2.3
FM (30-60)	99.7	N.A.	16.3
FH (60-80)	122.3	N.A.	20.0
FVH (80-90)	69.8	N.A.	11.4
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	69.8	N.A.	11.4
UH (100-180)	236.0	N.A.	38.6
Total	611.5	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 2 ft.

Grid Spacing: 5 ft.



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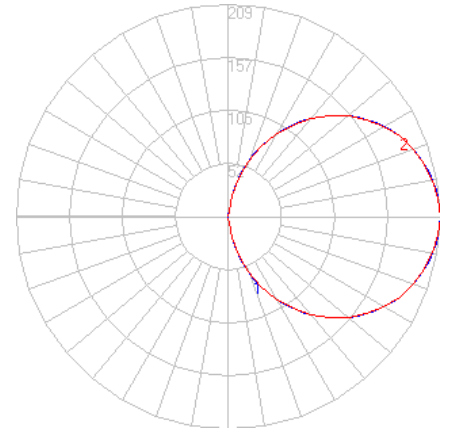
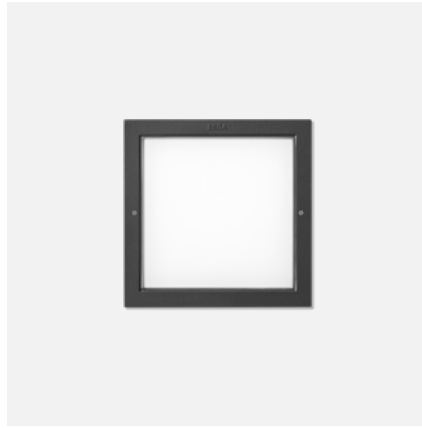
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BEGA

File: 24215K27_BEGA_IES.ies

TEST: BE_24215K4
TEST LAB: BEGA
DATE: 3/1/2017
LUMINAIRE: 24 215K27
LAMP: 5.8W LED



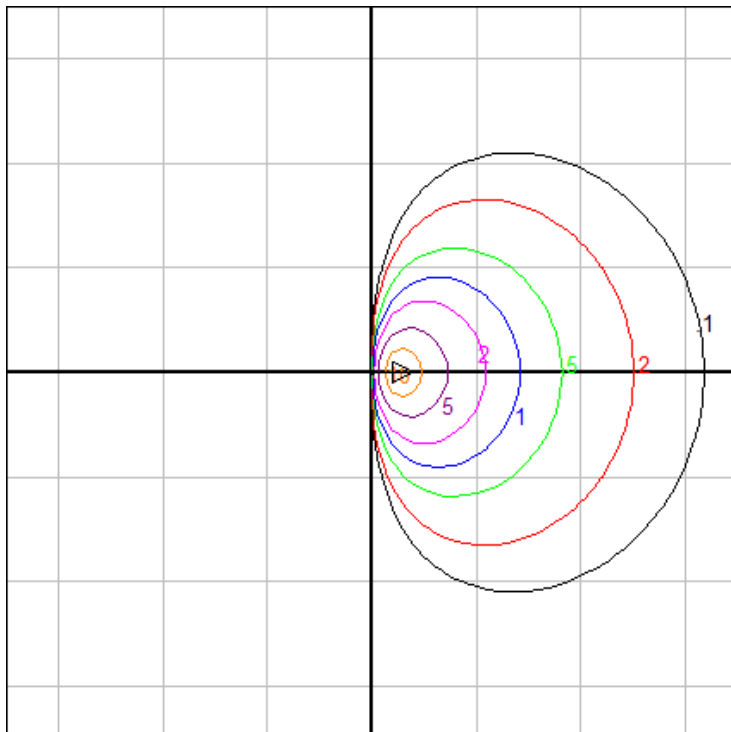
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	599
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	9
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	209.157 (0H, 90V)
Max. Cd. (<90 Vert.)	208.785 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	209.157 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	208.785 (34.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

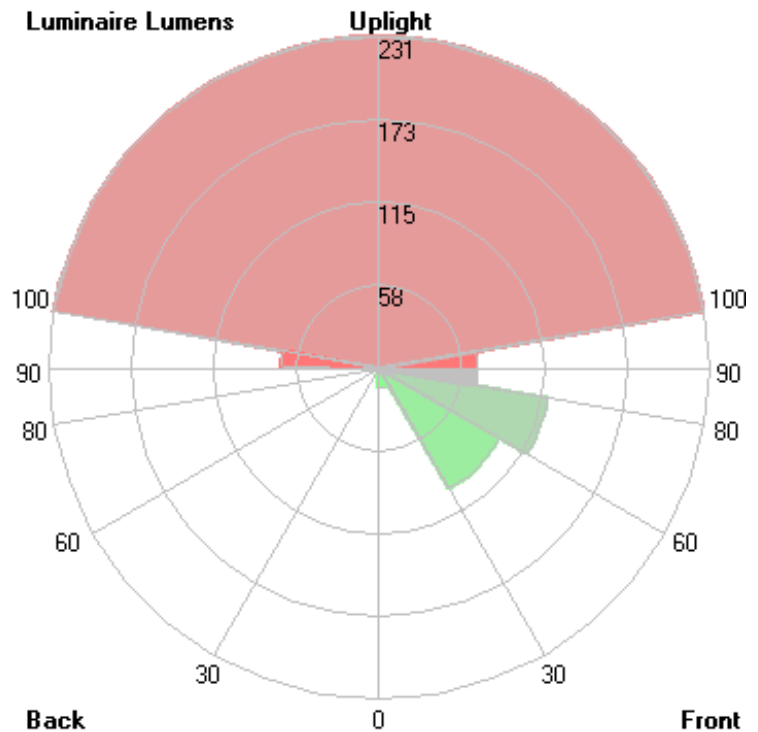
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	13.6	N.A.	2.3
FM (30-60)	97.6	N.A.	16.3
FH (60-80)	119.7	N.A.	20.0
FVH (80-90)	68.4	N.A.	11.4
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	68.4	N.A.	11.4
UH (100-180)	231.0	N.A.	38.6
Total	598.7	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 2 ft.

Grid Spacing: 5 ft.



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