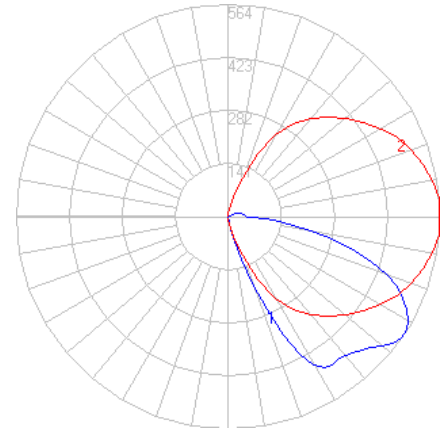
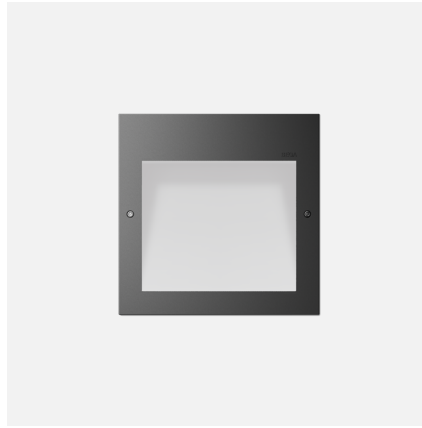


BEGA

File: 24207K4_BEGA_IES.ies

TEST: BE_24207K4
TEST LAB: BEGA
DATE: 2/9/2017
LUMINAIRE: 24 207K4
LAMP: 4.8W LED



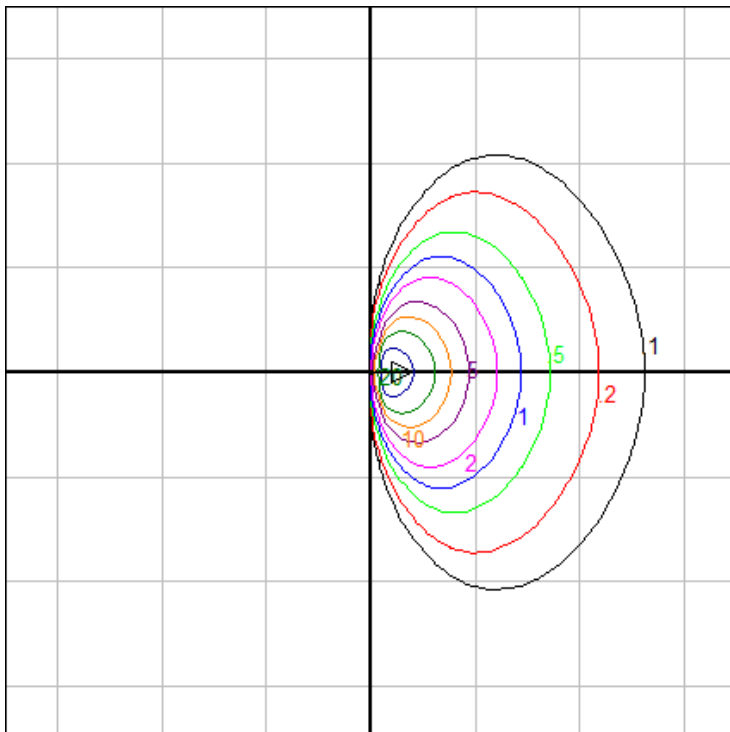
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	739
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	106
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Max. Cd.	564.1 (5H, 55V)
Max. Cd. (<90 Vert.)	564.1 (5H, 55V)
Max. Cd. (At 90 Deg. Vert.)	49.8 (6.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	222.9 (30.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

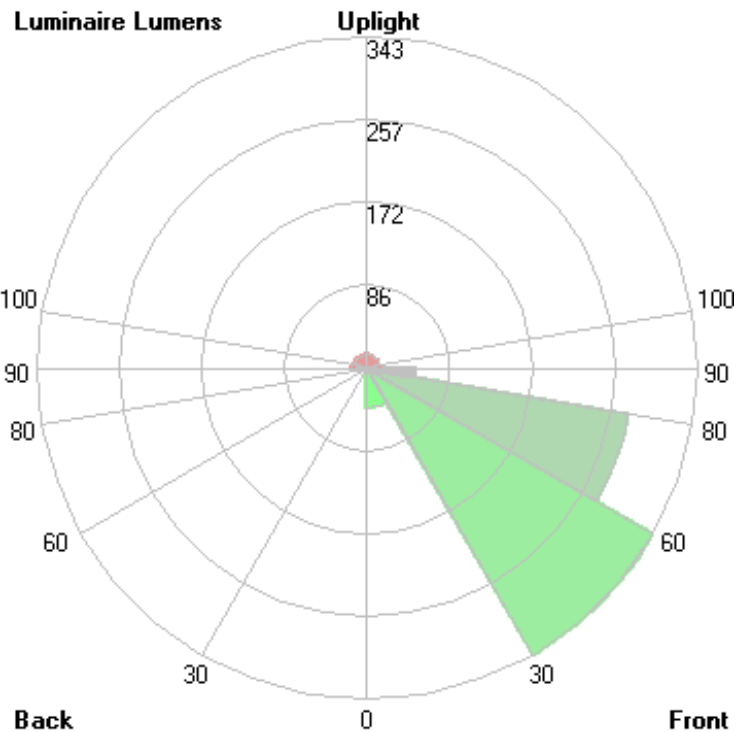
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	41.1	N.A.	5.6
FM (30-60)	343.2	N.A.	46.5
FH (60-80)	275.0	N.A.	37.2
FVH (80-90)	50.0	N.A.	6.8
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	< 0.05	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	15.8	N.A.	2.1
UH (100-180)	13.6	N.A.	1.8
Total	738.7	N.A.	100.0

BUG Rating B0-U2-G1



Mounting Height: 1.5 ft.

Grid Spacing: 5 ft.



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

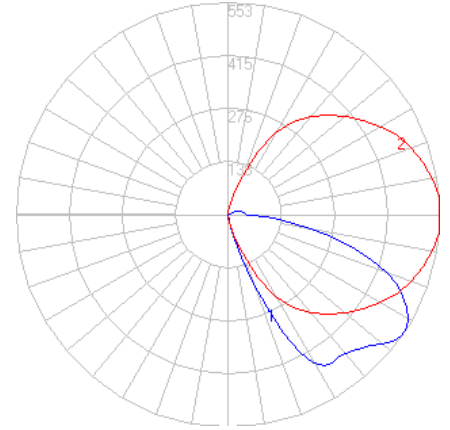
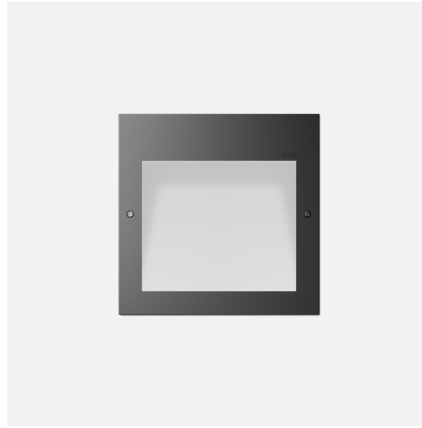
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BEGA

File: 24207K35_BEGA_IES.ies

TEST: BE_24207K4
TEST LAB: BEGA
DATE: 2/9/2017
LUMINAIRE: 24 207K35
LAMP: 4.8W LED



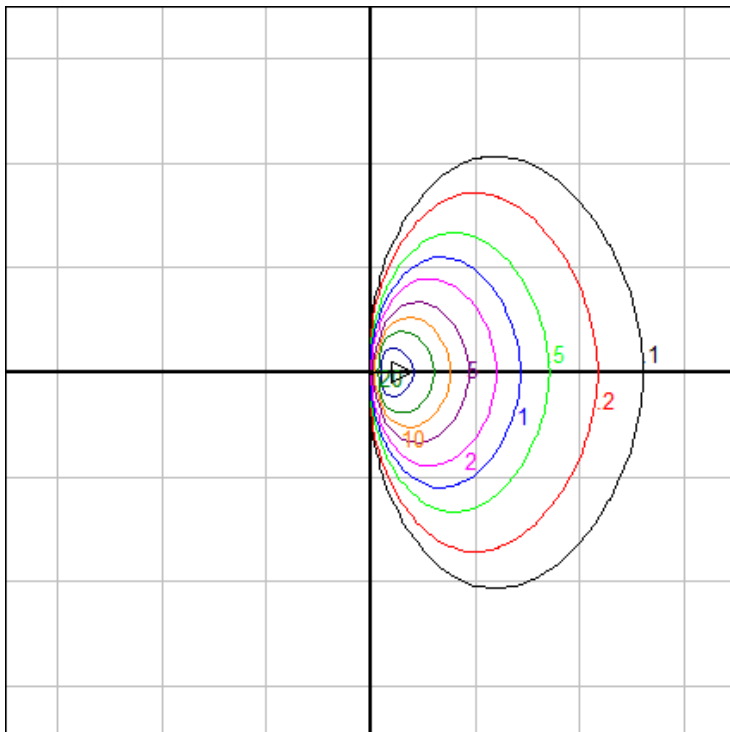
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	724
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	103
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Max. Cd.	552.818 (5H, 55V)
Max. Cd. (<90 Vert.)	552.818 (5H, 55V)
Max. Cd. (At 90 Deg. Vert.)	48.804 (6.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	218.442 (30.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

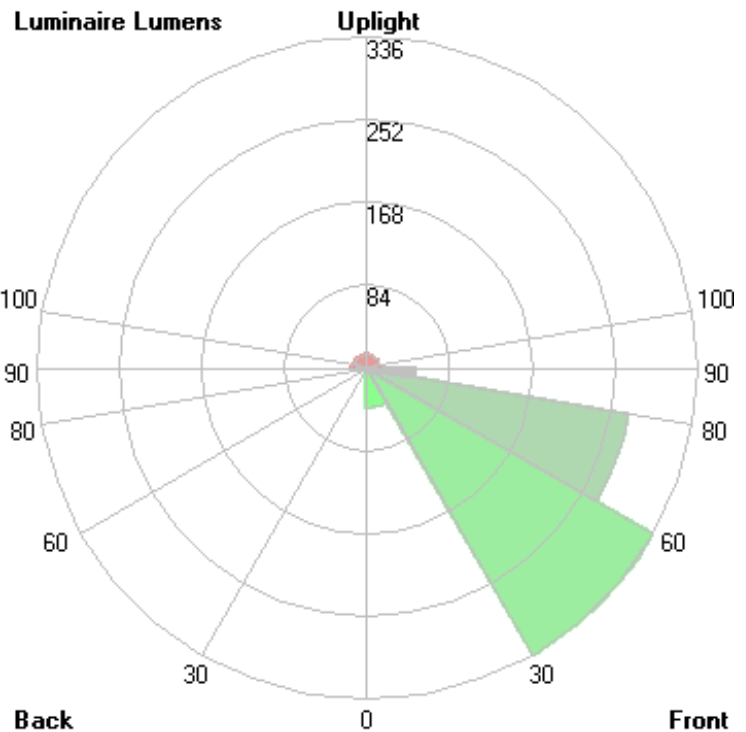
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	40.3	N.A.	5.6
FM (30-60)	336.3	N.A.	46.5
FH (60-80)	269.5	N.A.	37.2
FVH (80-90)	49.0	N.A.	6.8
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	< 0.05	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	15.5	N.A.	2.1
UH (100-180)	13.3	N.A.	1.8
Total	723.9	N.A.	100.0

BUG Rating B0-U2-G1



Mounting Height: 1.5 ft.

Grid Spacing: 5 ft.



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

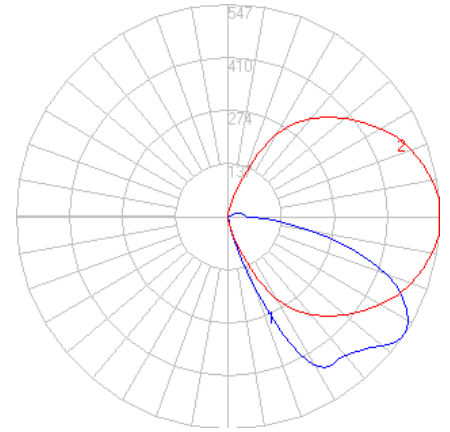
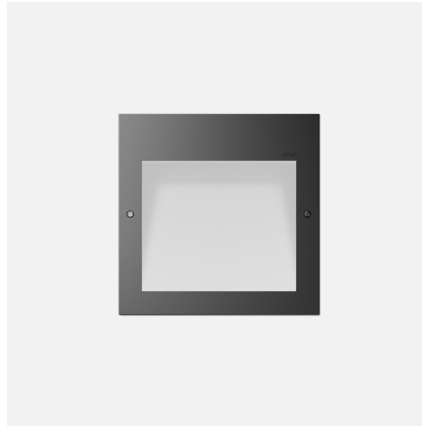
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BEGA

File: 24207K3_BEGA_IES.ies

TEST: BE_24207K4
TEST LAB: BEGA
DATE: 2/9/2017
LUMINAIRE: 24 207K3
LAMP: 4.8W LED



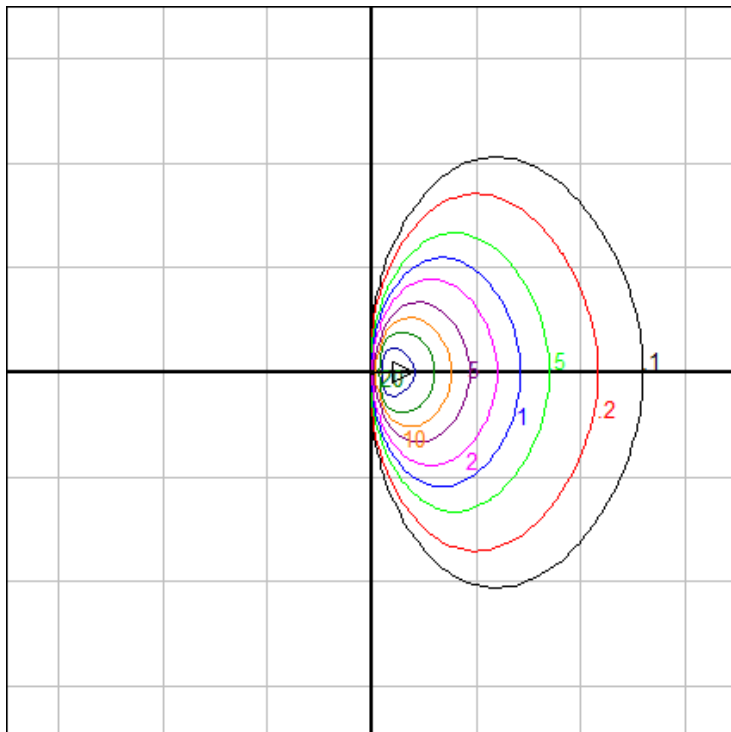
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	717
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Max. Cd.	547.177 (5H, 55V)
Max. Cd. (<90 Vert.)	547.177 (5H, 55V)
Max. Cd. (At 90 Deg. Vert.)	48.306 (6.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	216.213 (30.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

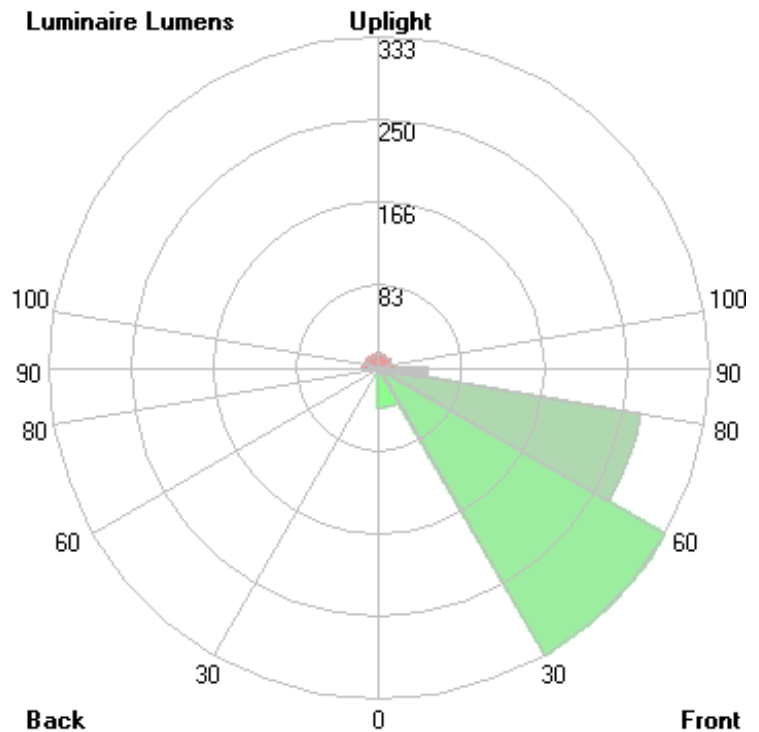
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	39.8	N.A.	5.6
FM (30-60)	332.9	N.A.	46.5
FH (60-80)	266.7	N.A.	37.2
FVH (80-90)	48.5	N.A.	6.8
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	< 0.05	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	15.4	N.A.	2.1
UH (100-180)	13.2	N.A.	1.8
Total	716.5	N.A.	100.0

BUG Rating B0-U2-G1



Mounting Height: 1.5 ft.

Grid Spacing: 5 ft.



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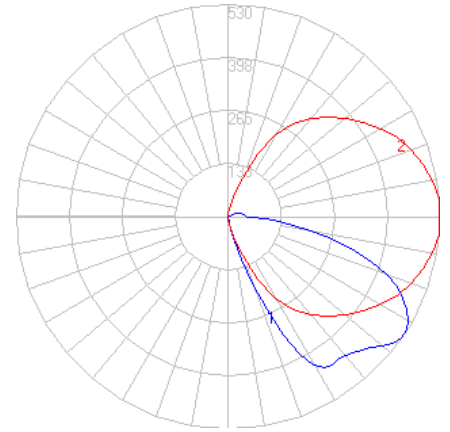
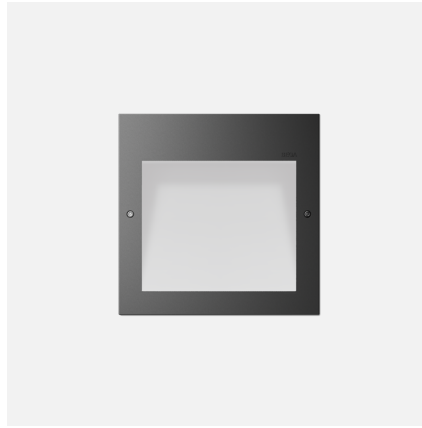
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BEGA

File: 24207K27_BEGA_IES.ies

TEST: BE_24207K4
TEST LAB: BEGA
DATE: 2/9/2017
LUMINAIRE: 24 207K27
LAMP: 4.8W LED



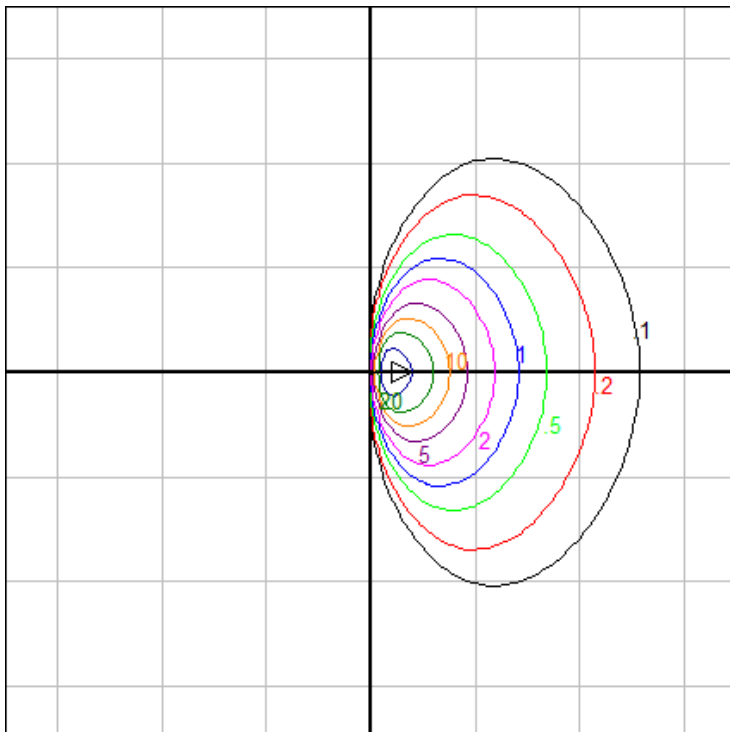
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	694
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Max. Cd.	530.254 (5H, 55V)
Max. Cd. (<90 Vert.)	530.254 (5H, 55V)
Max. Cd. (At 90 Deg. Vert.)	46.812 (6.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	209.526 (30.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

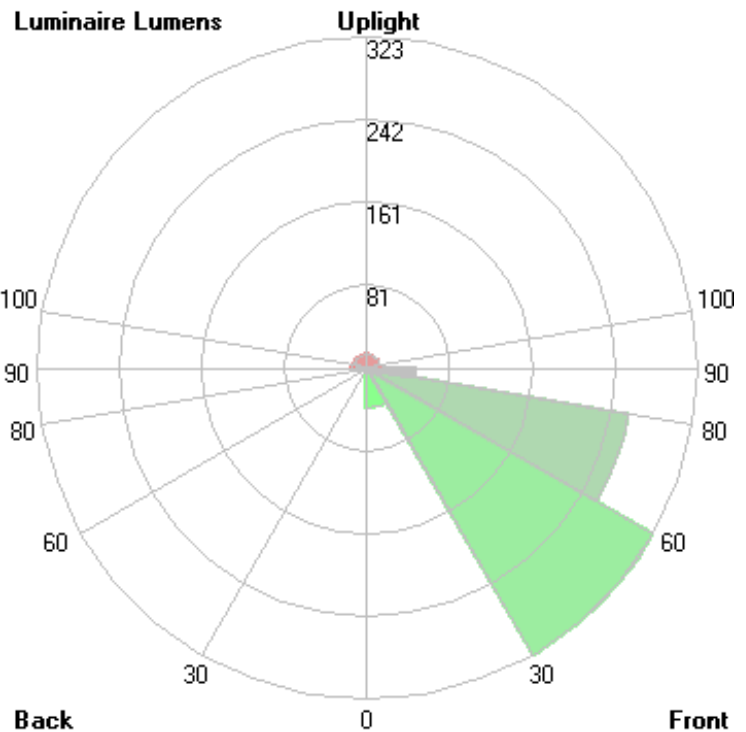
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	38.6	N.A.	5.6
FM (30-60)	322.6	N.A.	46.5
FH (60-80)	258.5	N.A.	37.2
FVH (80-90)	47.0	N.A.	6.8
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	< 0.05	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	14.9	N.A.	2.1
UH (100-180)	12.8	N.A.	1.8
Total	694.4	N.A.	100.0

BUG Rating B0-U2-G1



Mounting Height: 1.5 ft.

Grid Spacing: 5 ft.



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