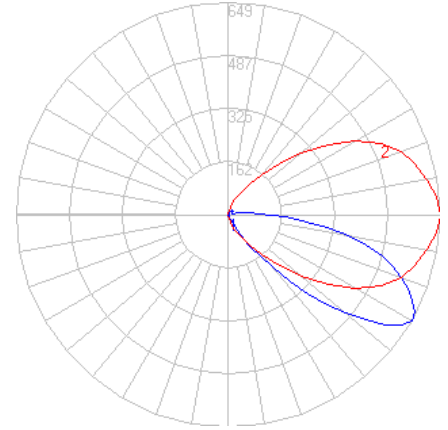
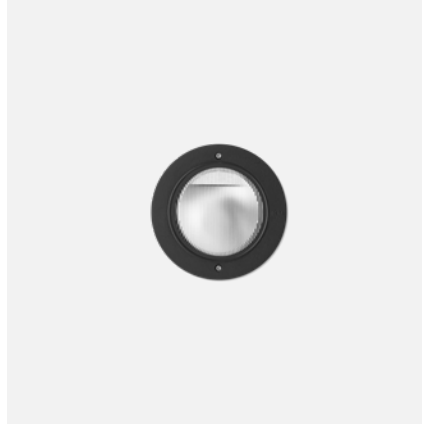


BEGA

File: 24110K4_BEGA_IES.ies

TEST: BE_24110K4
TEST LAB: BEGA
DATE: 4/26/2016
LUMINAIRE: 24 110K4
LAMP: 6.0W LED



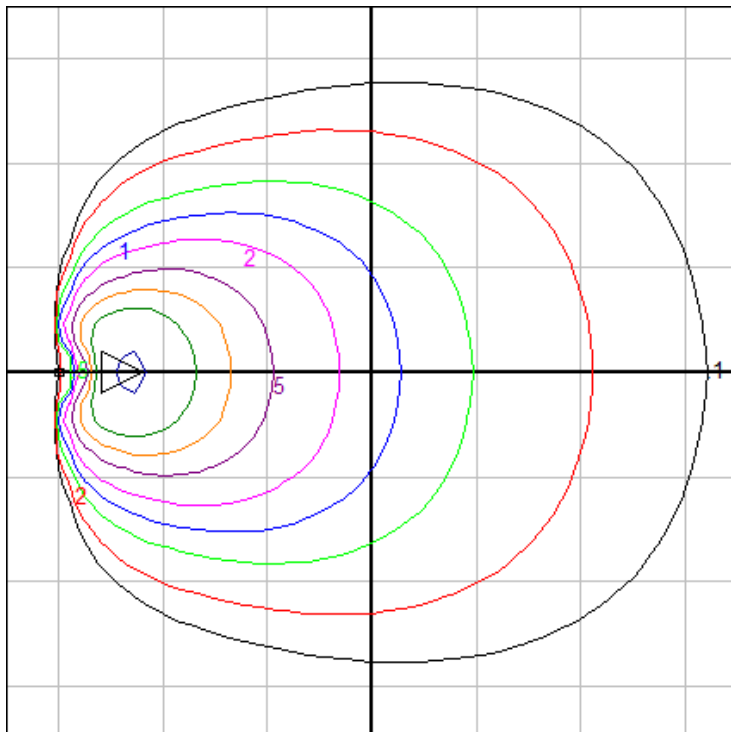
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	525
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Max. Cd.	649.2 (0H, 60V)
Max. Cd. (<90 Vert.)	649.2 (0H, 60V)
Max. Cd. (At 90 Deg. Vert.)	130.6 (24.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	373.4 (71.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	3.0	N.A.	0.6
FM (30-60)	209.6	N.A.	39.9
FH (60-80)	226.7	N.A.	43.2
FVH (80-90)	47.9	N.A.	9.1
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)	14.7	N.A.	2.8
UH (100-180)	22.9	N.A.	4.4
Total	524.8	N.A.	100.0

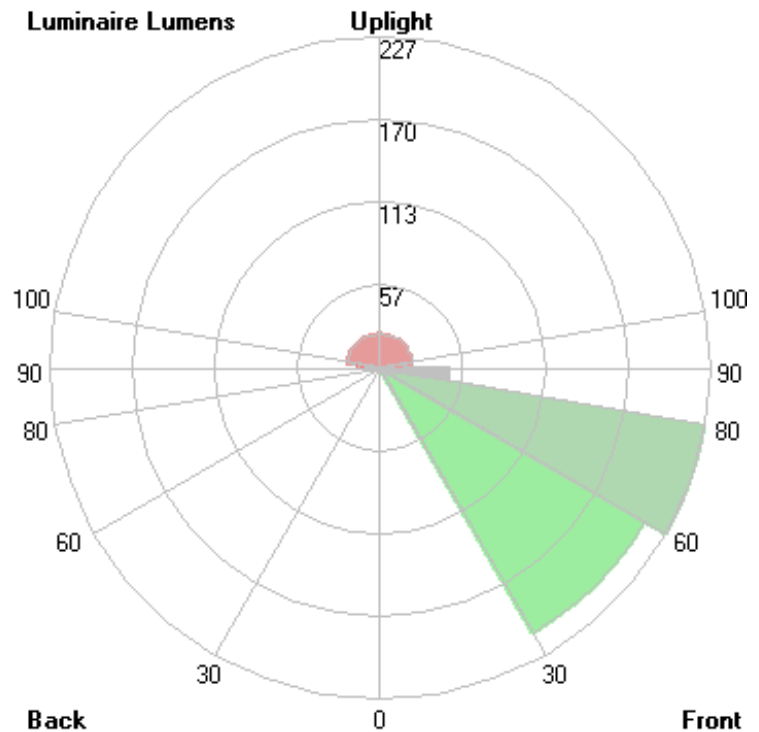
BUG Rating B0-U2-G1



Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.

Luminaire Lumens



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

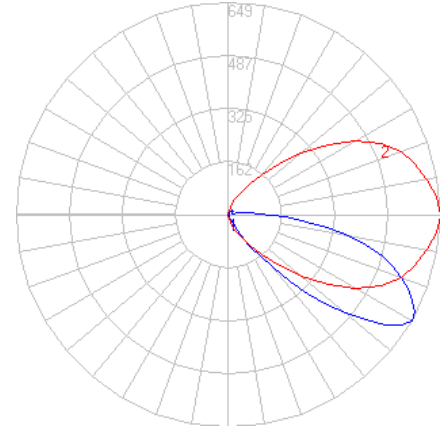
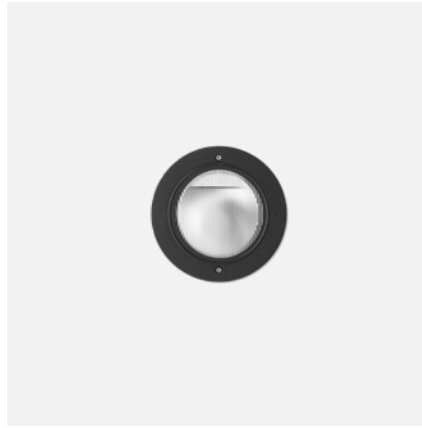
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BEGA

File: 24110K35_BEGA_IES.ies

TEST: BE_24110K4
TEST LAB: BEGA
DATE: 4/26/2016
LUMINAIRE: 24 110K35
LAMP: 6.0W LED



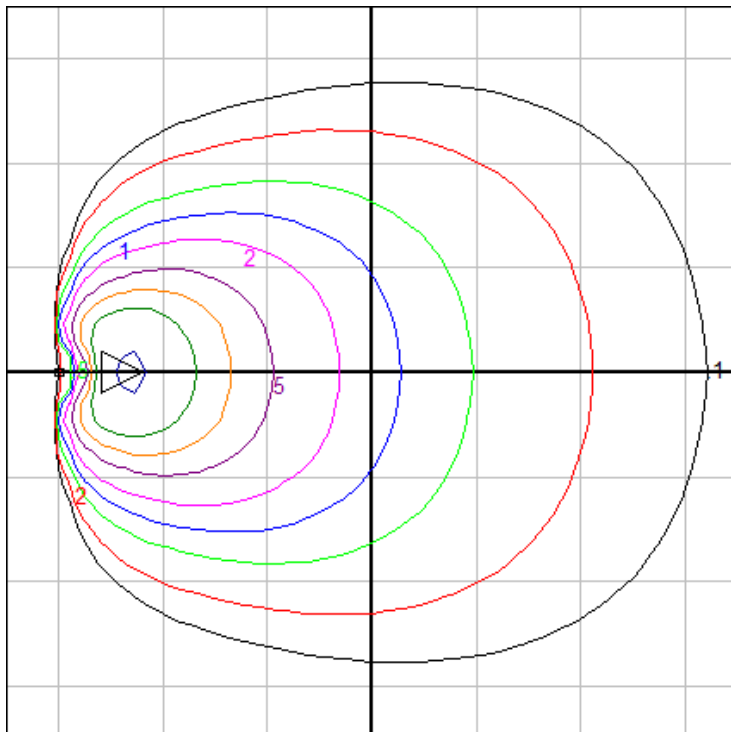
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	525
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Max. Cd.	649.2 (0H, 60V)
Max. Cd. (<90 Vert.)	649.2 (0H, 60V)
Max. Cd. (At 90 Deg. Vert.)	130.6 (24.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	373.4 (71.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

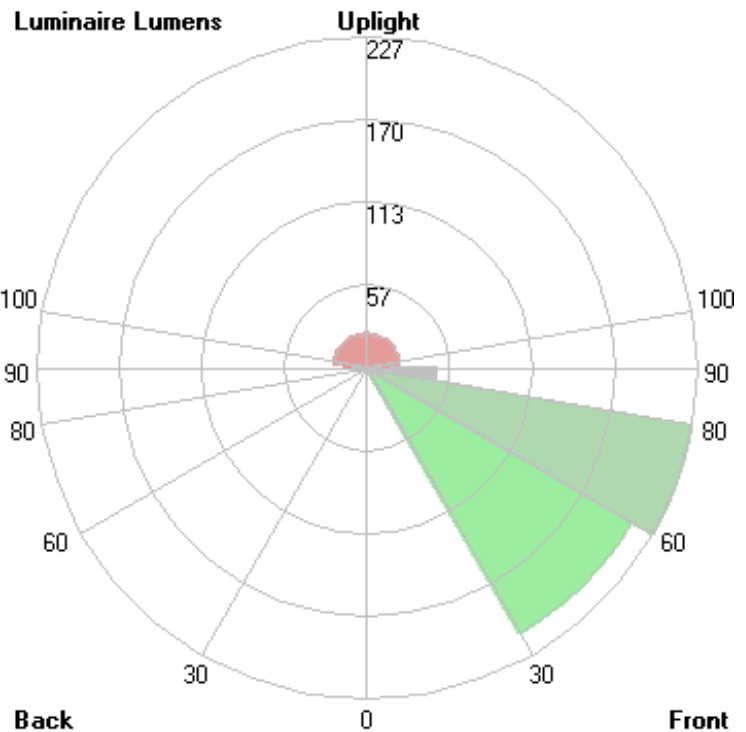
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	3.0	N.A.	0.6
FM (30-60)	209.6	N.A.	39.9
FH (60-80)	226.7	N.A.	43.2
FVH (80-90)	47.9	N.A.	9.1
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	14.7	N.A.	2.8
UH (100-180)	22.9	N.A.	4.4
Total	524.8	N.A.	100.0

BUG Rating B0-U2-G1



Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.



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

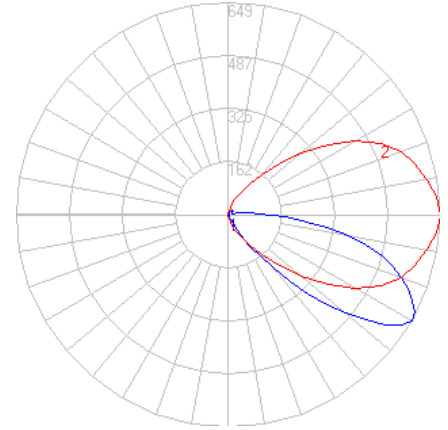
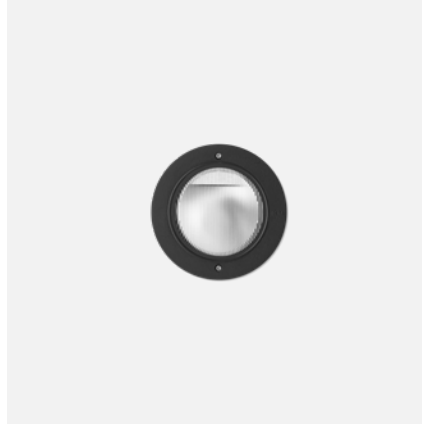
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BEGA

File: 24110K3_BEGA_IES.ies

TEST: BE_24110K4
TEST LAB: BEGA
DATE: 4/26/2016
LUMINAIRE: 24 110K3
LAMP: 6.0W LED



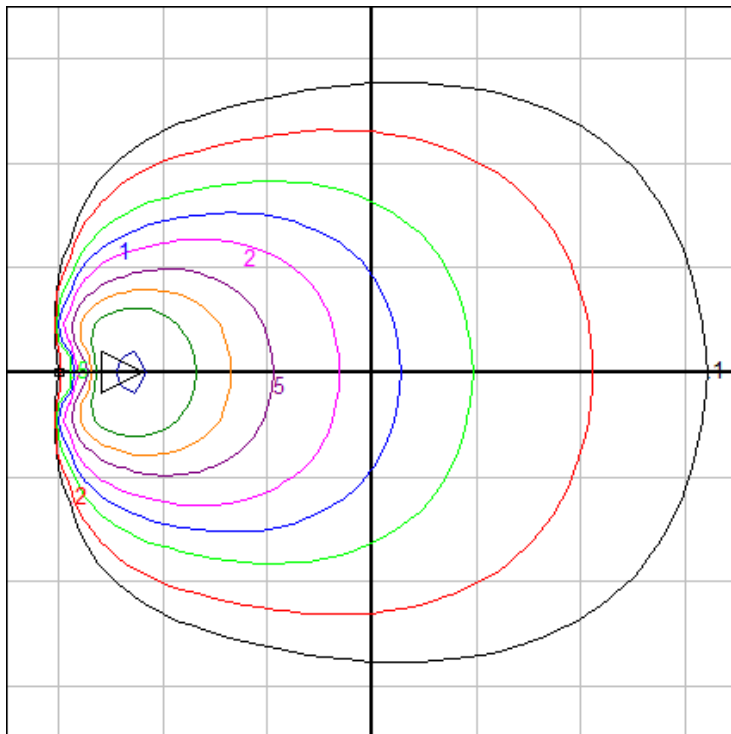
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	525
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Max. Cd.	649.2 (0H, 60V)
Max. Cd. (<90 Vert.)	649.2 (0H, 60V)
Max. Cd. (At 90 Deg. Vert.)	130.6 (24.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	373.4 (71.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	3.0	N.A.	0.6
FM (30-60)	209.6	N.A.	39.9
FH (60-80)	226.7	N.A.	43.2
FVH (80-90)	47.9	N.A.	9.1
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)	14.7	N.A.	2.8
UH (100-180)	22.9	N.A.	4.4
Total	524.8	N.A.	100.0

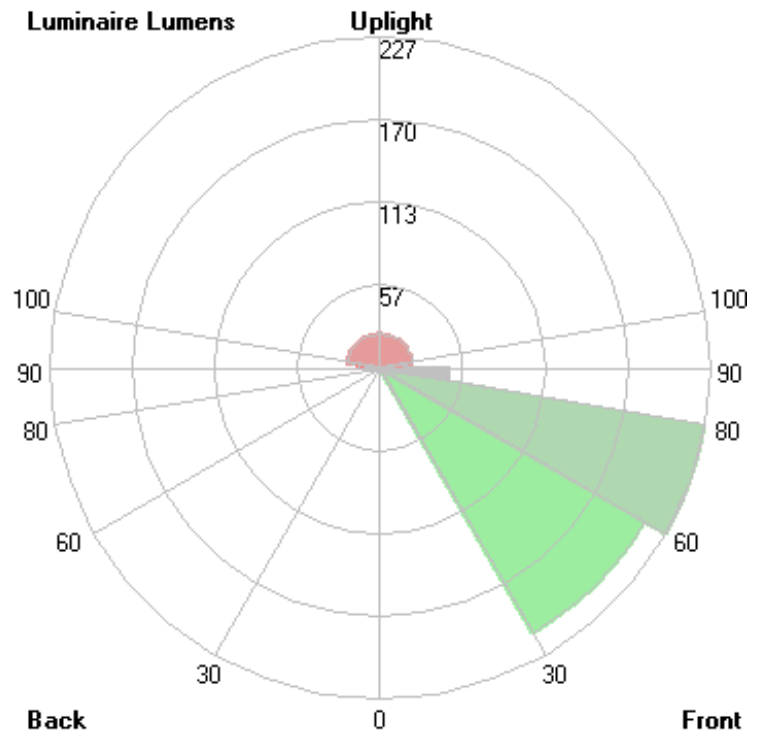
BUG Rating B0-U2-G1



Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.

Luminaire Lumens



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

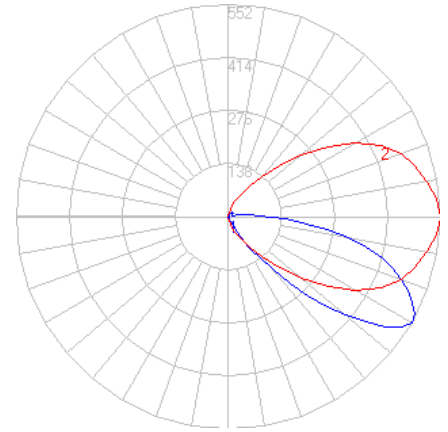
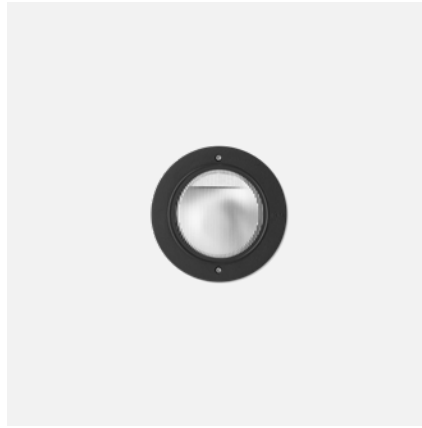
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BEGA

File: 24110K27_BEGA_IES.ies

TEST: BE_24110K4
TEST LAB: BEGA
DATE: 4/26/2016
LUMINAIRE: 24 110K27
LAMP: 6.0W LED



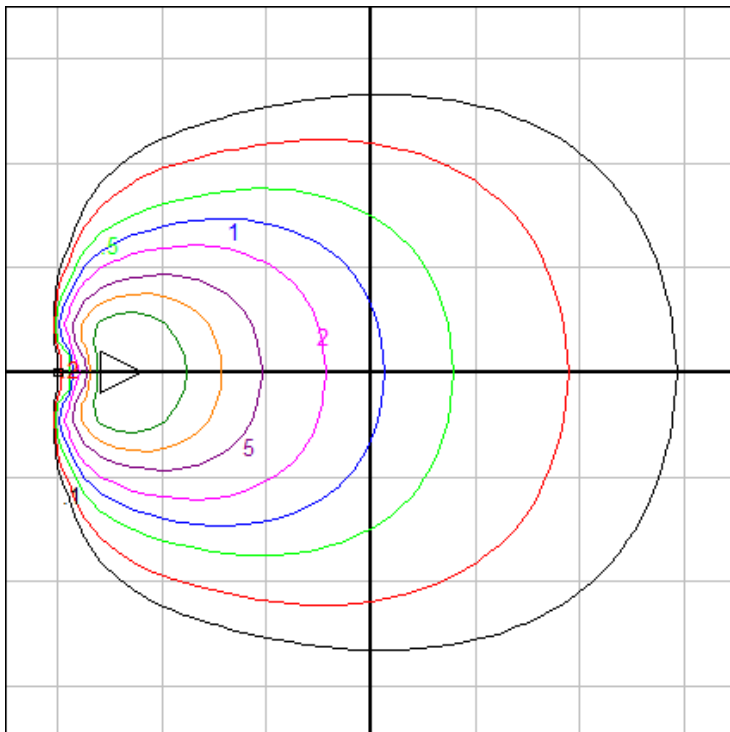
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	446
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	56
Total Luminaire Watts	8
Ballast Factor	1.00
Upward Waste Light Ratio	0.07
Max. Cd.	551.82 (0H, 60V)
Max. Cd. (<90 Vert.)	551.82 (0H, 60V)
Max. Cd. (At 90 Deg. Vert.)	111.01 (24.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	317.39 (71.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

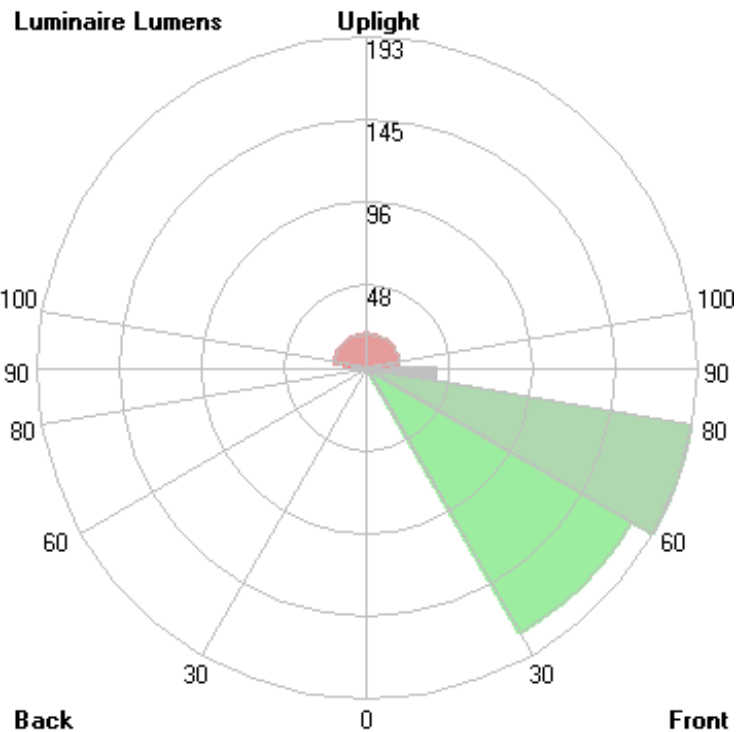
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	2.5	N.A.	0.6
FM (30-60)	178.2	N.A.	40.0
FH (60-80)	192.7	N.A.	43.2
FVH (80-90)	40.7	N.A.	9.1
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	12.5	N.A.	2.8
UH (100-180)	19.4	N.A.	4.4
Total	446.0	N.A.	100.0

BUG Rating B0-U2-G1



Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.



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