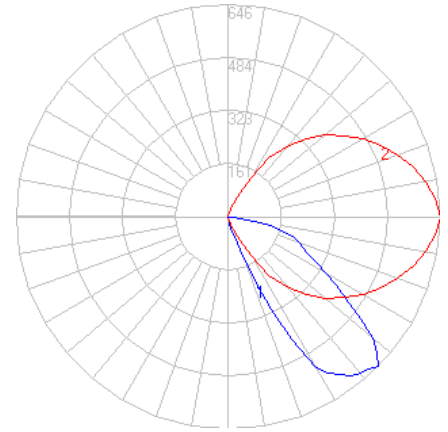
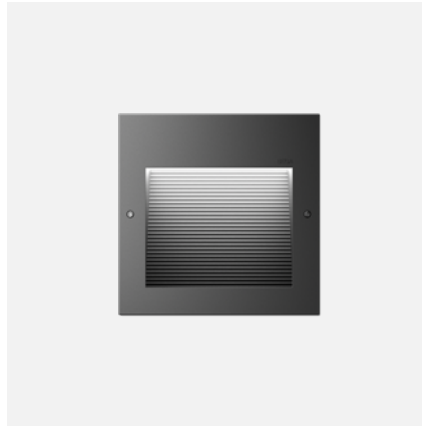


BEGA

File: 24203K4_BEGA_IES.ies

TEST: BE_24203K4
TEST LAB: BEGA
DATE: 5/4/2017
LUMINAIRE: 24 203K4
LAMP: 4.8W LED



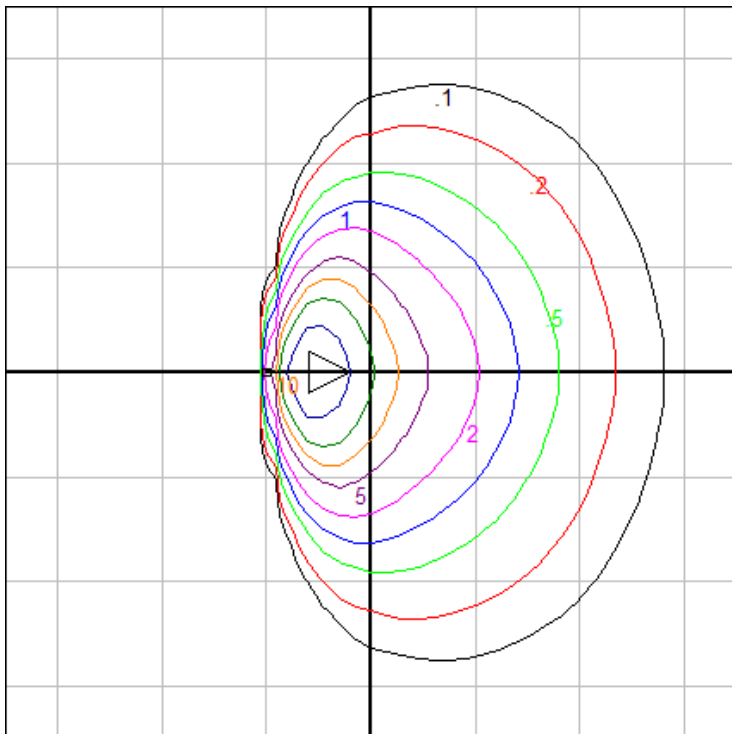
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	488
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	645.9 (0H, 45V)
Max. Cd. (<90 Vert.)	645.9 (0H, 45V)
Max. Cd. (At 90 Deg. Vert.)	2.7 (0.6%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	77.8 (15.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

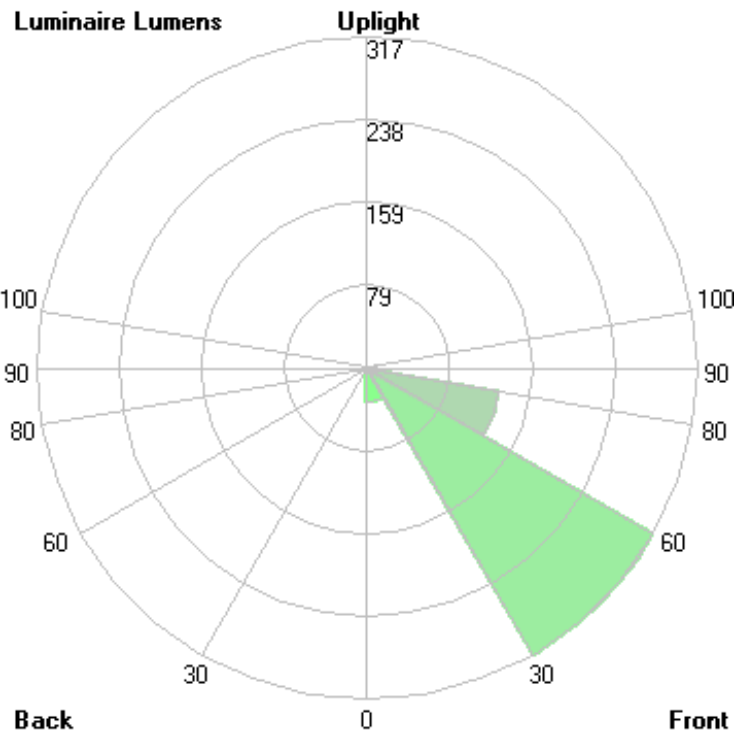
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	32.5	N.A.	6.7
FM (30-60)	317.2	N.A.	65.0
FH (60-80)	128.7	N.A.	26.4
FVH (80-90)	8.7	N.A.	1.8
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH (80-90)	0.0	N.A.	0.0
UL (90-100)	0.4	N.A.	0.1
UH (100-180)	0.2	N.A.	0.0
Total	487.7	N.A.	100.0

BUG Rating B0-U1-G0



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.

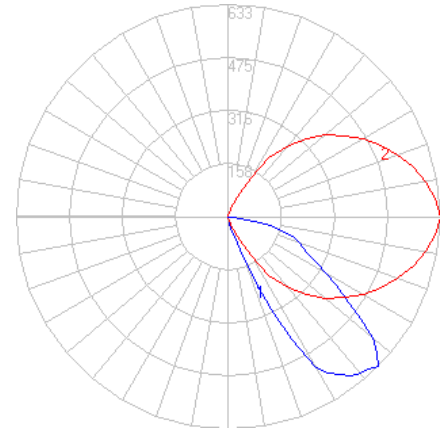
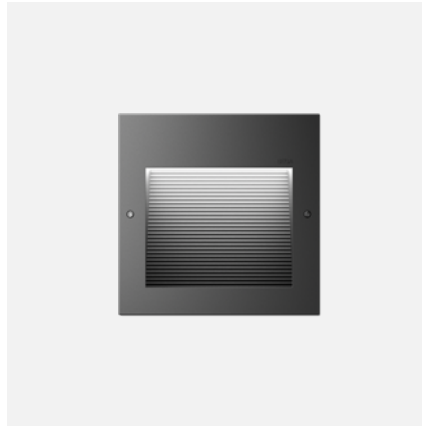
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BEGA

File: 24203K35_BEGA_IES.ies

TEST: BE_24203K4
TEST LAB: BEGA
DATE: 5/4/2017
LUMINAIRE: 24 203K35
LAMP: 4.8W LED



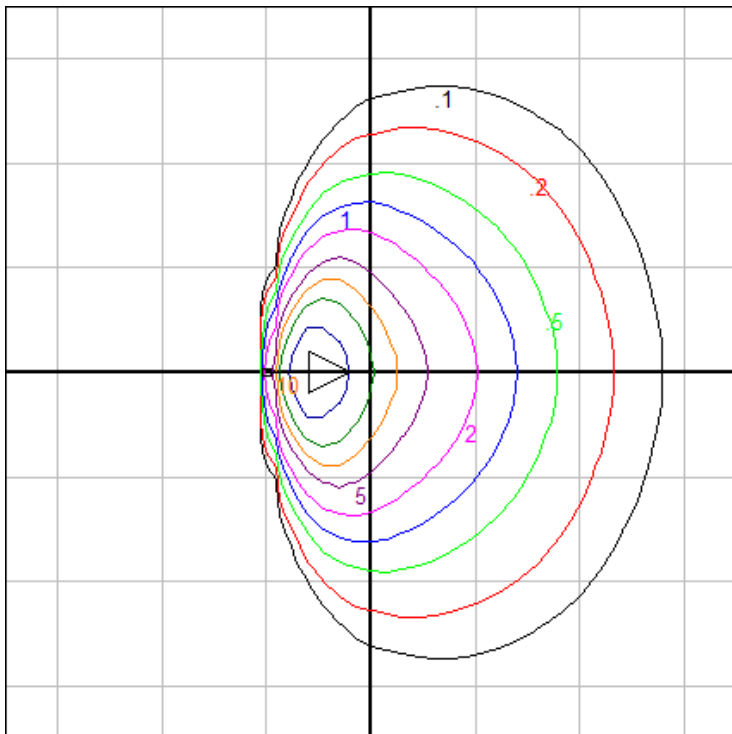
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	478
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	632.982 (0H, 45V)
Max. Cd. (<90 Vert.)	632.982 (0H, 45V)
Max. Cd. (At 90 Deg. Vert.)	2.646 (0.6%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	76.244 (16.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	31.9	N.A.	6.7
FM (30-60)	310.8	N.A.	65.0
FH (60-80)	126.1	N.A.	26.4
FVH (80-90)	8.5	N.A.	1.8
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)	0.4	N.A.	0.1
UH (100-180)	0.2	N.A.	0.0
Total	477.9	N.A.	100.0

BUG Rating B0-U1-G0

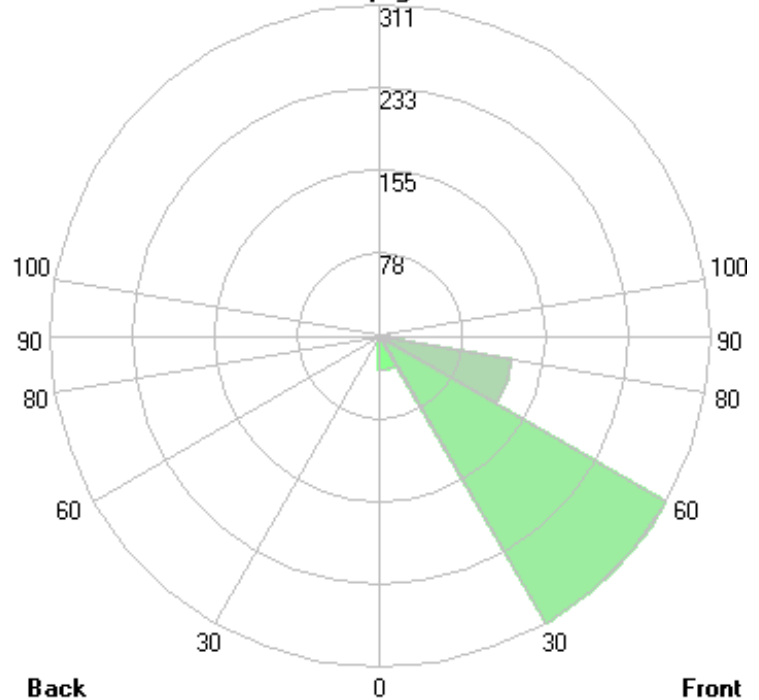


Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.

Luminaire Lumens

Uplight



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

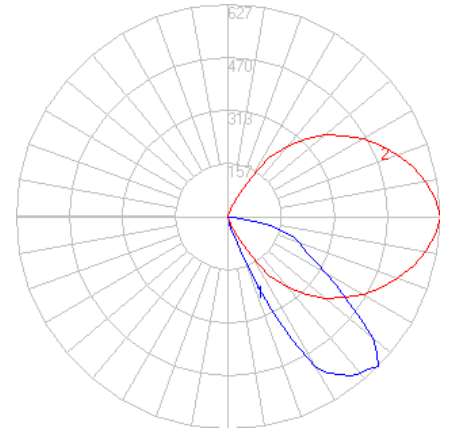
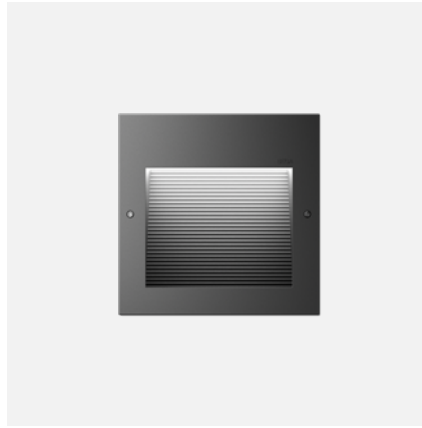
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BEGA

File: 24203K3_BEGA_IES.ies

TEST: BE_24203K4
TEST LAB: BEGA
DATE: 5/4/2017
LUMINAIRE: 24 203K3
LAMP: 4.8W LED



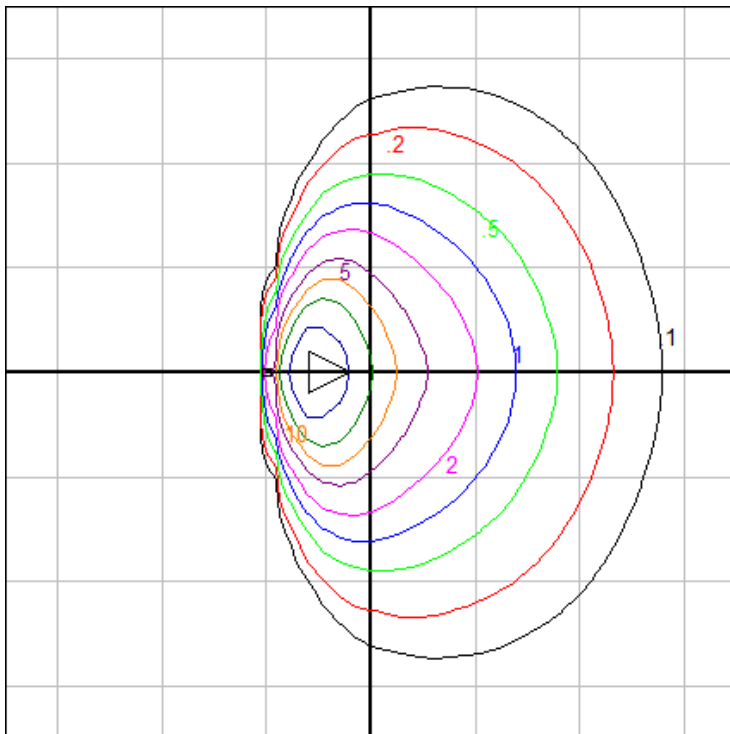
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	473
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	626.523 (0H, 45V)
Max. Cd. (<90 Vert.)	626.523 (0H, 45V)
Max. Cd. (At 90 Deg. Vert.)	2.619 (0.6%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	75.466 (16.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	31.5	N.A.	6.7
FM (30-60)	307.7	N.A.	65.0
FH (60-80)	124.8	N.A.	26.4
FVH (80-90)	8.4	N.A.	1.8
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)	0.4	N.A.	0.1
UH (100-180)	0.2	N.A.	0.0
Total	473.0	N.A.	100.0

BUG Rating B0-U1-G0

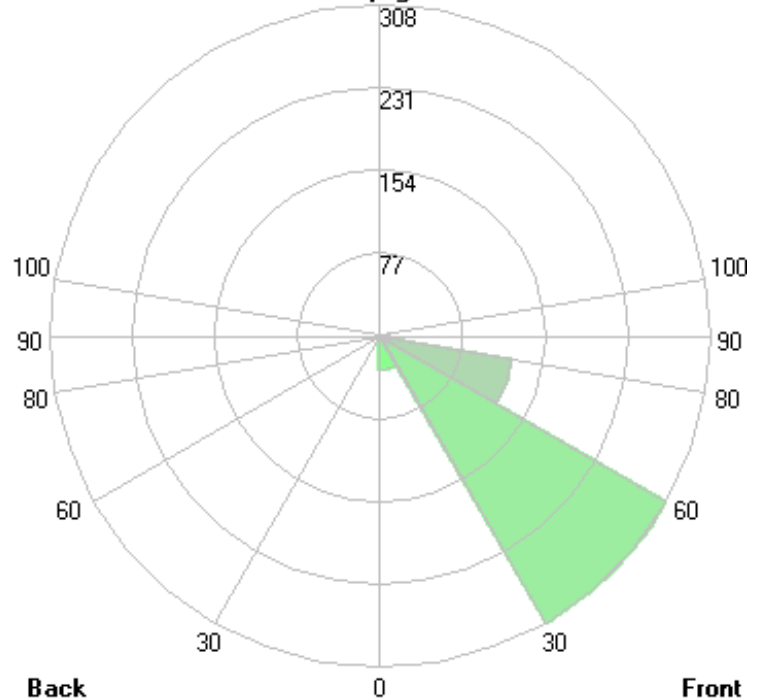


Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.

Luminaire Lumens

Uplight



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

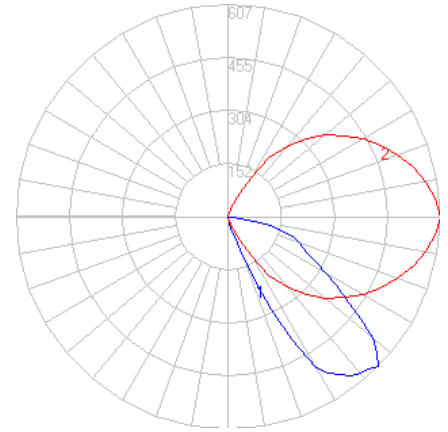
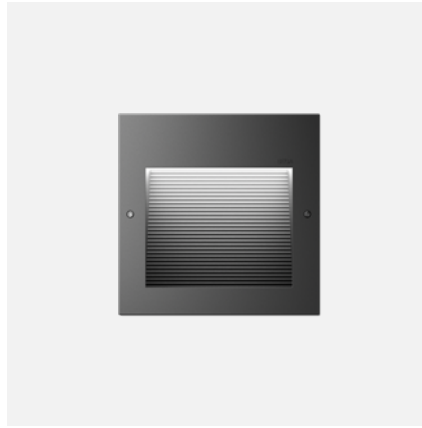
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BEGA

File: 24203K27_BEGA_IES.ies

TEST: BE_24203K4
TEST LAB: BEGA
DATE: 5/4/2017
LUMINAIRE: 24 203K27
LAMP: 4.8W LED



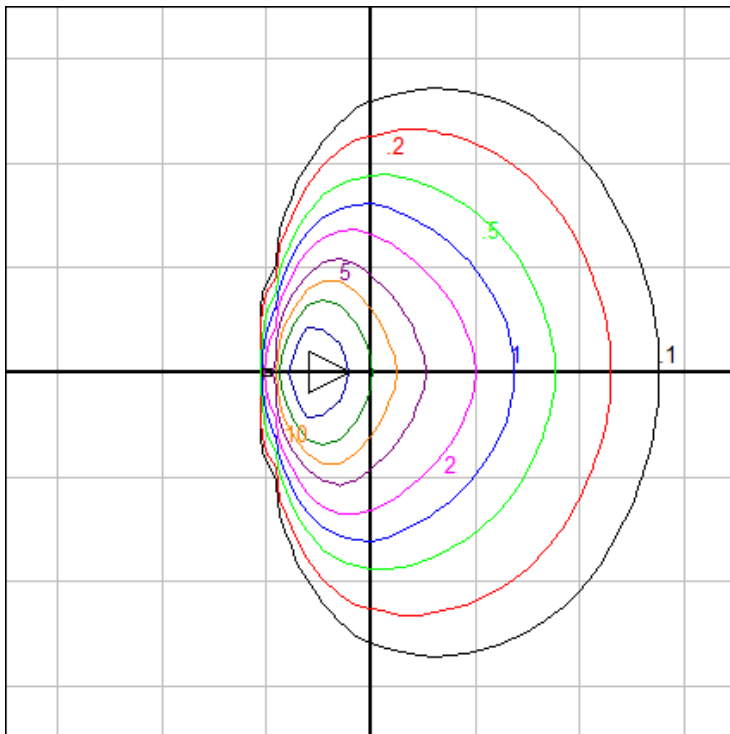
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	458
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	65
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	607.146 (0H, 45V)
Max. Cd. (<90 Vert.)	607.146 (0H, 45V)
Max. Cd. (At 90 Deg. Vert.)	2.538 (0.6%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	73.132 (16.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	30.6	N.A.	6.7
FM (30-60)	298.1	N.A.	65.0
FH (60-80)	121.0	N.A.	26.4
FVH (80-90)	8.2	N.A.	1.8
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)	0.4	N.A.	0.1
UH (100-180)	0.2	N.A.	0.0
Total	458.5	N.A.	100.0

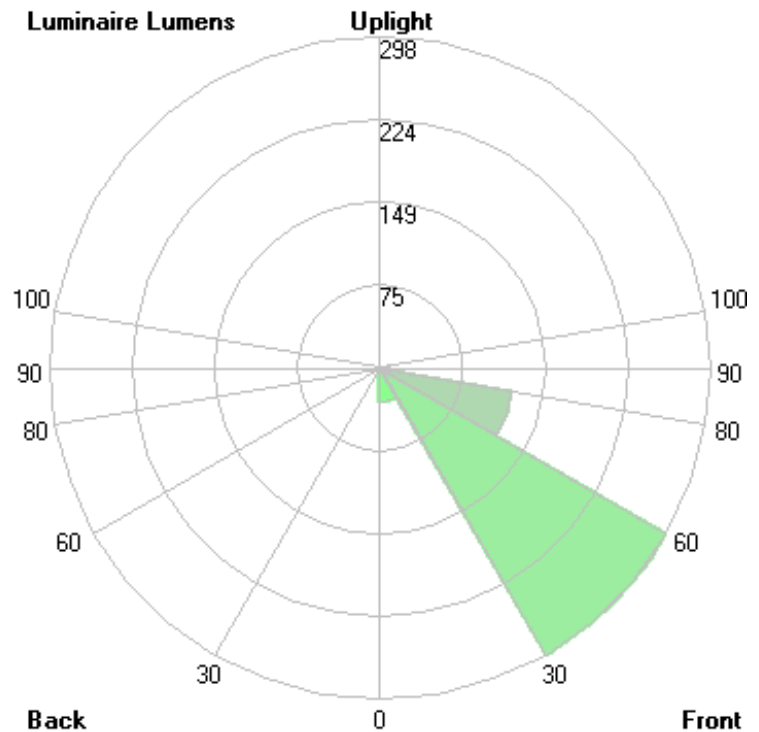
BUG Rating B0-U1-G0



Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.

Luminaire Lumens



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