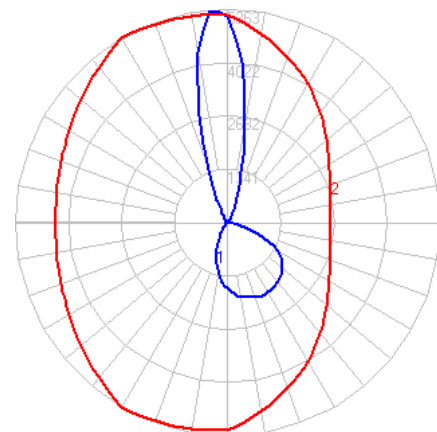


BEGA

File: 24644K4_BEGA_IES.ies

TEST: BE_24644K4
 TEST LAB: BEGA
 DATE: 11/21/2024
 LUMINAIRE: 24 644K4
 LAMP: 69.6W LED



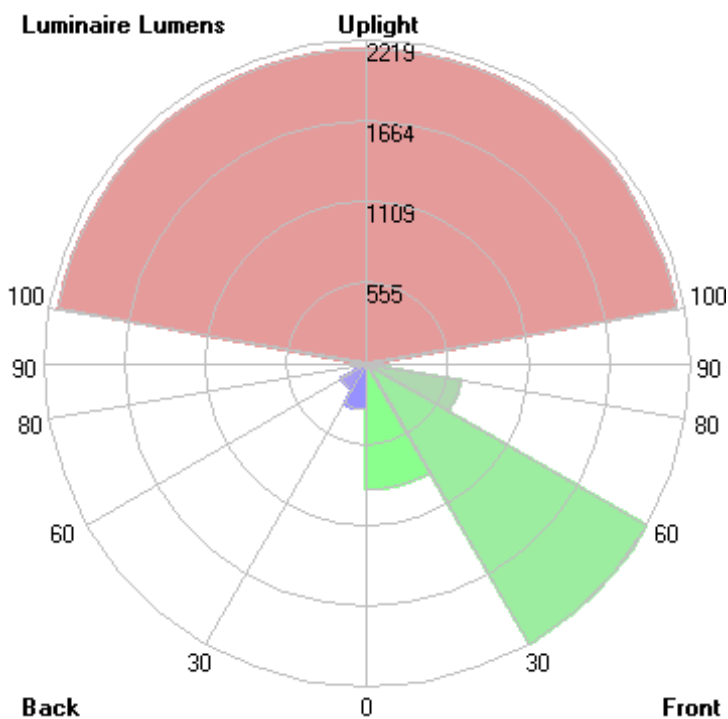
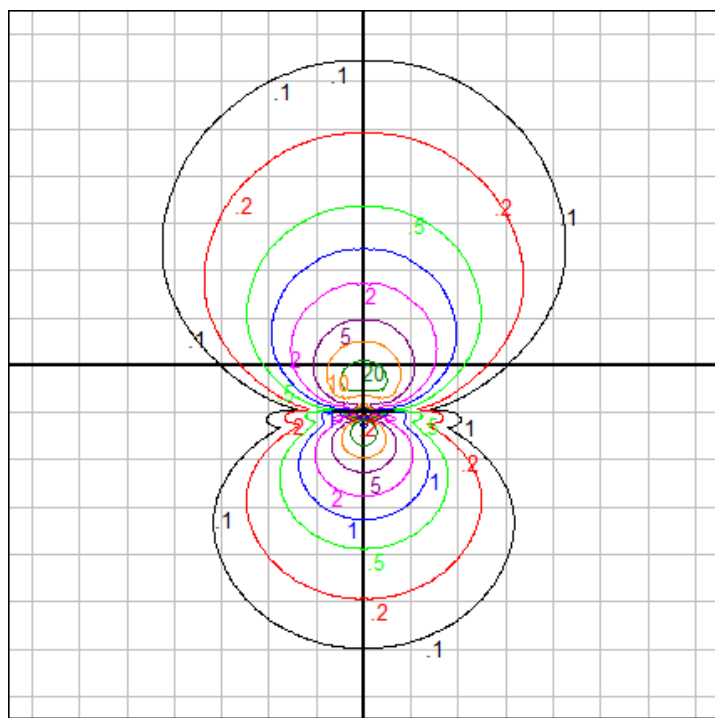
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6509
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	80
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	5363.2 (240H, 175V)
Max. Cd. (<90 Vert.)	2538.8 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	109.8 (1.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	252.2 (3.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	862.8	N.A.	13.3
FM (30-60)	2218.6	N.A.	34.1
FH (60-80)	650.5	N.A.	10.0
FVH(80-90)	42.0	N.A.	0.6
BL (0-30)	317.5	N.A.	4.9
BM (30-60)	209.0	N.A.	3.2
BH (60-80)	38.3	N.A.	0.6
BVH(80-90)	7.2	N.A.	0.1
UL (90-100)	11.3	N.A.	0.2
UH (100-180)	2151.5	N.A.	33.1
Total	6508.7	N.A.	100.0

BUG Rating B1-U5-G1



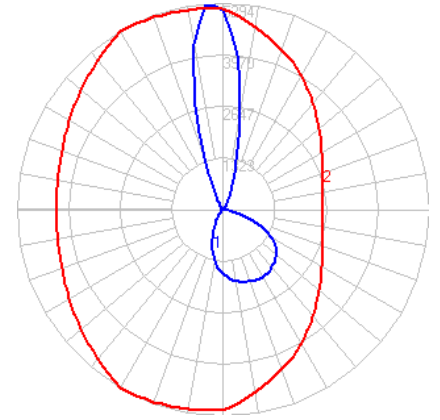
Isofootcandle grid on wall | Grid Spacing: 4 ft.

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

BEGA

File: 24644K35_BEGA_IES.ies

TEST: BE_24644K4
 TEST LAB: BEGA
 DATE: 11/21/2024
 LUMINAIRE: 24 644K35
 LAMP: 69.6W LED



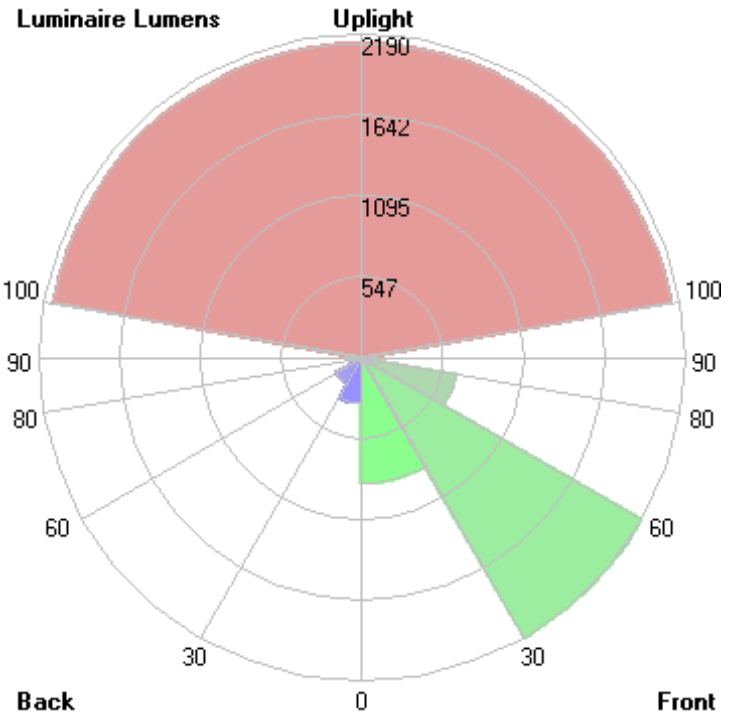
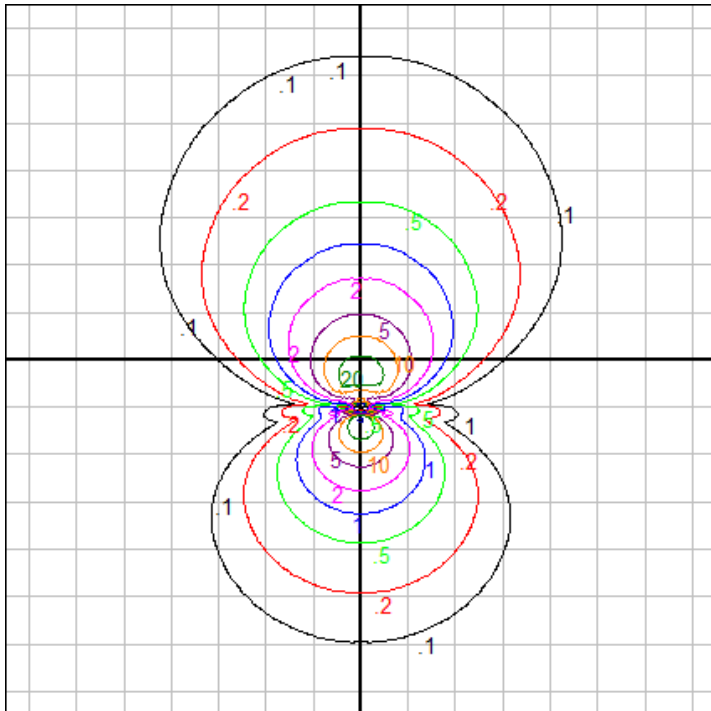
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6425
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	80
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	5293.8 (240H, 175V)
Max. Cd. (<90 Vert.)	2505.948 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	108.379 (1.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	248.937 (3.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	851.7	N.A.	13.3
FM (30-60)	2189.9	N.A.	34.1
FH (60-80)	642.1	N.A.	10.0
FVH(80-90)	41.5	N.A.	0.6
BL (0-30)	313.4	N.A.	4.9
BM (30-60)	206.3	N.A.	3.2
BH (60-80)	37.8	N.A.	0.6
BVH(80-90)	7.1	N.A.	0.1
UL (90-100)	11.1	N.A.	0.2
UH (100-180)	2123.7	N.A.	33.1
Total	6424.6	N.A.	100.0

BUG Rating B1-U5-G1



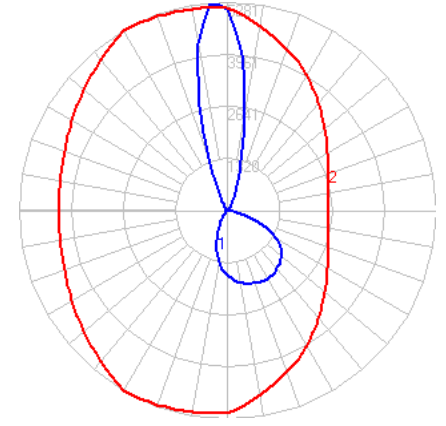
Isofootcandle grid on wall | Grid Spacing: 4 ft.

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

BEGA

File: 24644K3_BEGA_IES.ies

TEST: BE_24644K4
 TEST LAB: BEGA
 DATE: 11/21/2024
 LUMINAIRE: 24 644K3
 LAMP: 69.6W LED



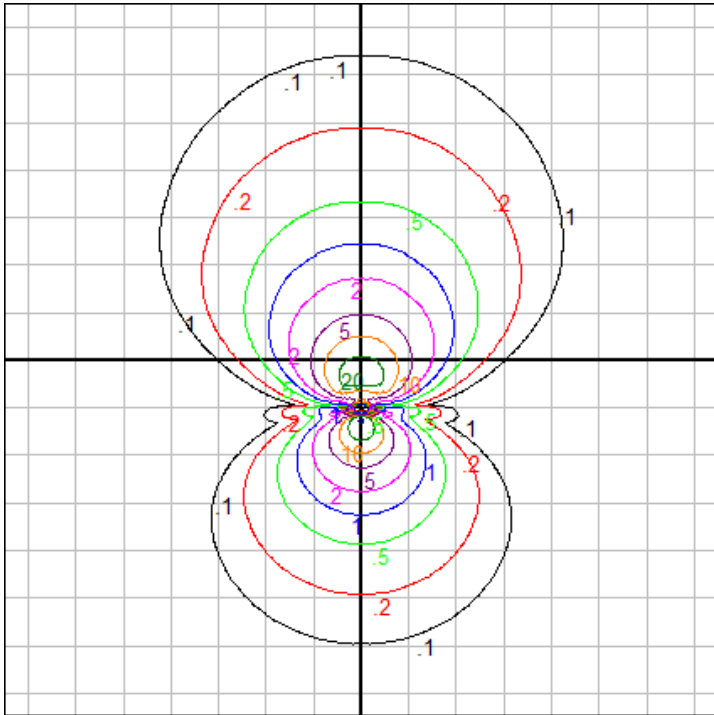
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6409
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	80
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	5281.197 (240H, 175V)
Max. Cd. (<90 Vert.)	2499.982 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	108.121 (1.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	248.344 (3.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

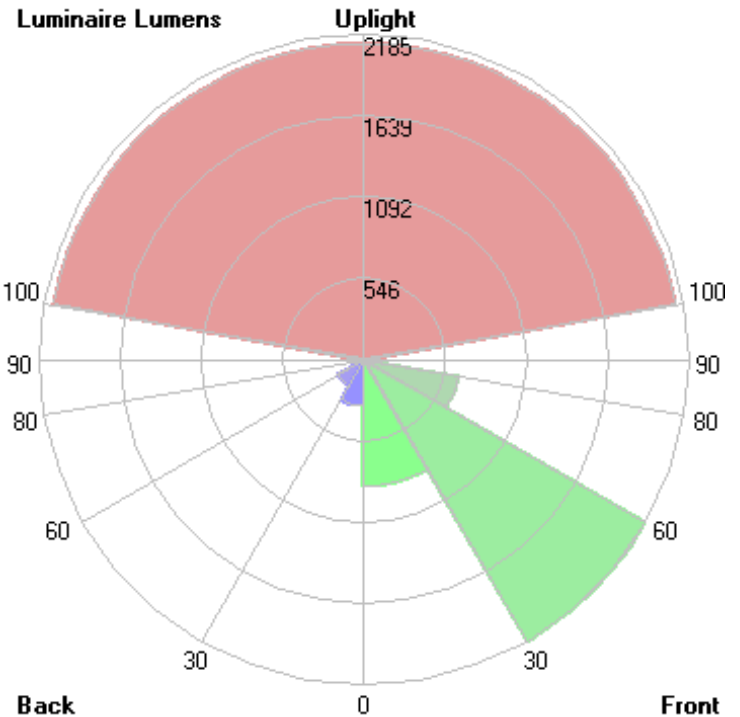
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	849.6	N.A.	13.3
FM (30-60)	2184.7	N.A.	34.1
FH (60-80)	640.6	N.A.	10.0
FVH(80-90)	41.4	N.A.	0.6
BL (0-30)	312.6	N.A.	4.9
BM (30-60)	205.8	N.A.	3.2
BH (60-80)	37.7	N.A.	0.6
BVH(80-90)	7.1	N.A.	0.1
UL (90-100)	11.1	N.A.	0.2
UH (100-180)	2118.6	N.A.	33.1
Total	6409.2	N.A.	100.0

BUG Rating B1-U5-G1



Isofootcandle grid on wall | Grid Spacing: 4 ft.

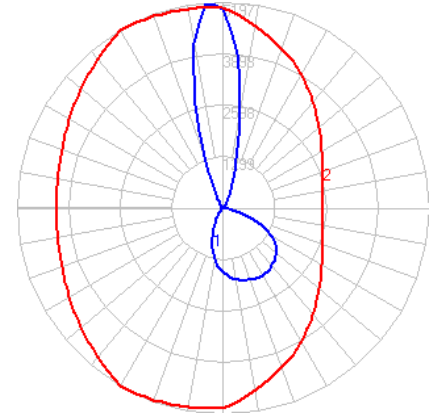


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24644K27_BEGA_IES.ies

TEST: BE_24644K4
 TEST LAB: BEGA
 DATE: 11/21/2024
 LUMINAIRE: 24 644K27
 LAMP: 69.6W LED



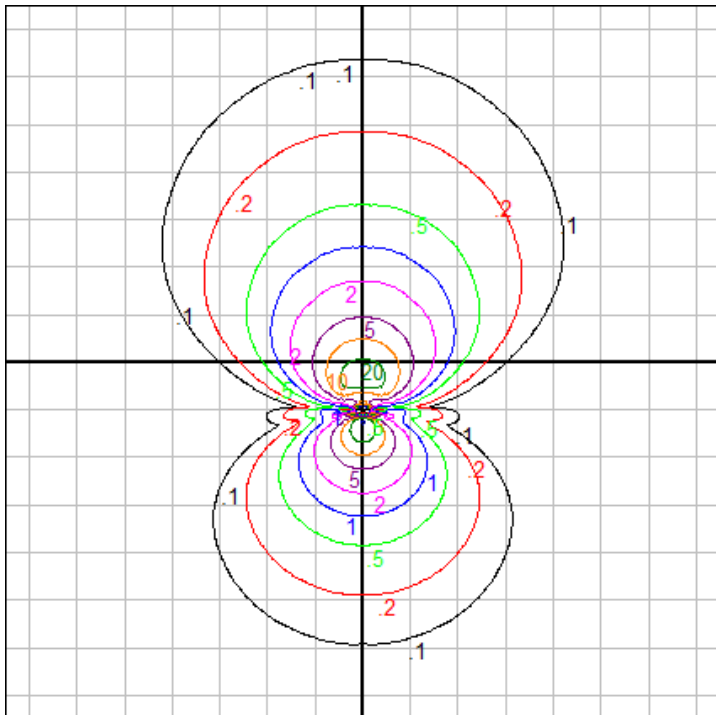
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6307
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	79
Total Luminaire Watts	80
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	5196.726 (240H, 175V)
Max. Cd. (<90 Vert.)	2459.996 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	106.392 (1.7%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	244.372 (3.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

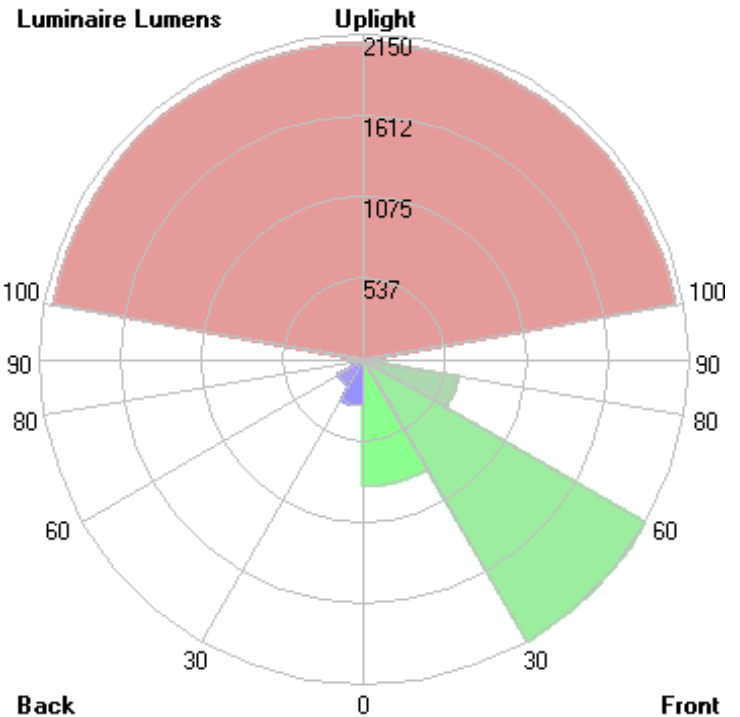
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	836.1	N.A.	13.3
FM (30-60)	2149.7	N.A.	34.1
FH (60-80)	630.3	N.A.	10.0
FVH(80-90)	40.7	N.A.	0.6
BL (0-30)	307.6	N.A.	4.9
BM (30-60)	202.6	N.A.	3.2
BH (60-80)	37.1	N.A.	0.6
BVH(80-90)	7.0	N.A.	0.1
UL (90-100)	10.9	N.A.	0.2
UH (100-180)	2084.8	N.A.	33.1
Total	6306.8	N.A.	100.0

BUG Rating B1-U5-G1



Isofootcandle grid on wall | Grid Spacing: 4 ft.



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