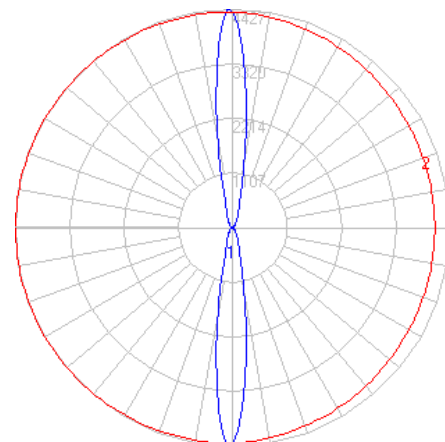


BEGA

File: 24588K4_BEGA_IES.ies

TEST: BE_24588K4
 TEST LAB: BEGA
 DATE: 7/13/2021
 LUMINAIRE: 24 588K4
 LAMP: 46.4W LED



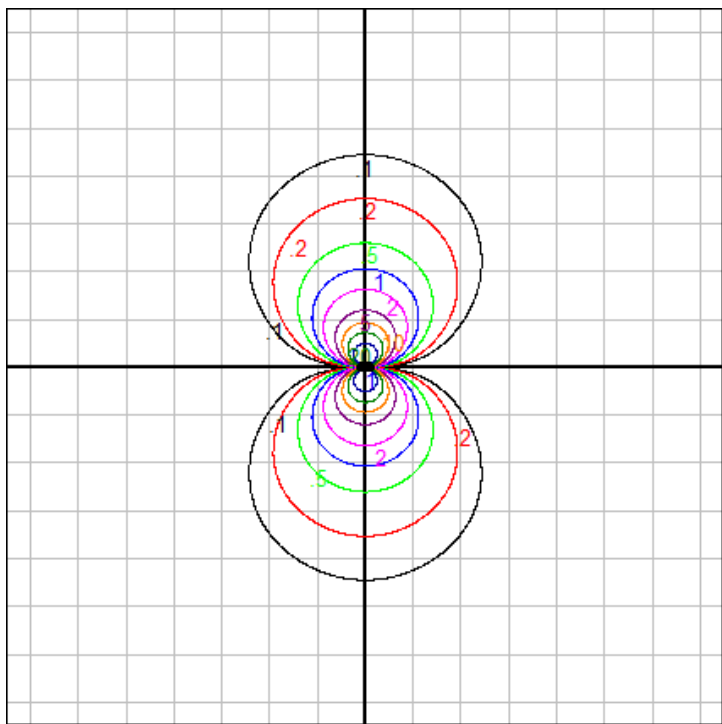
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4454
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	4427.2 (180H, 178.5V)
Max. Cd. (<90 Vert.)	4427.2 (180H, 1.5V)
Max. Cd. (At 90 Deg. Vert.)	1 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	103.867 (2.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

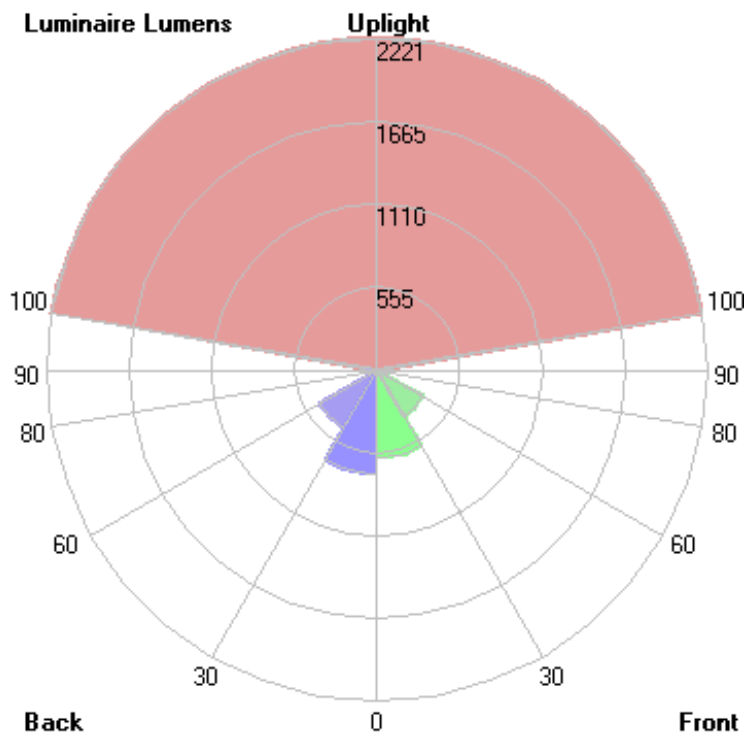
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	588.6	N.A.	13.2
FM (30-60)	355.8	N.A.	8.0
FH (60-80)	58.6	N.A.	1.3
FVH(80-90)	3.2	N.A.	0.1
BL (0-30)	697.6	N.A.	15.7
BM (30-60)	447.6	N.A.	10.0
BH (60-80)	72.3	N.A.	1.6
BVH(80-90)	3.4	N.A.	0.1
UL (90-100)	6.6	N.A.	0.1
UH (100-180)	2220.6	N.A.	49.9
Total	4454.3	N.A.	100.0

BUG Rating B2-U5-G0



Isofootcandle grid on wall

Grid Spacing: 5 ft.

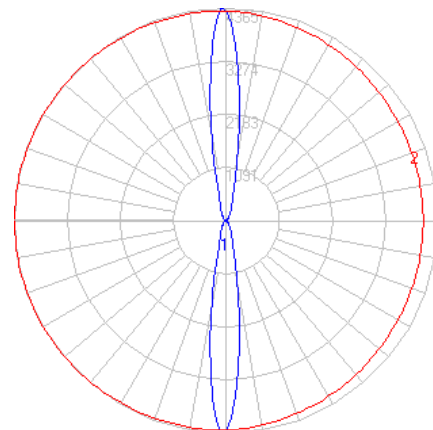


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24588K35_BEGA_IES.ies

TEST: BE_24588K4
 TEST LAB: BEGA
 DATE: 11/21/2024
 LUMINAIRE: 24 588K35
 LAMP: 46.4W LED



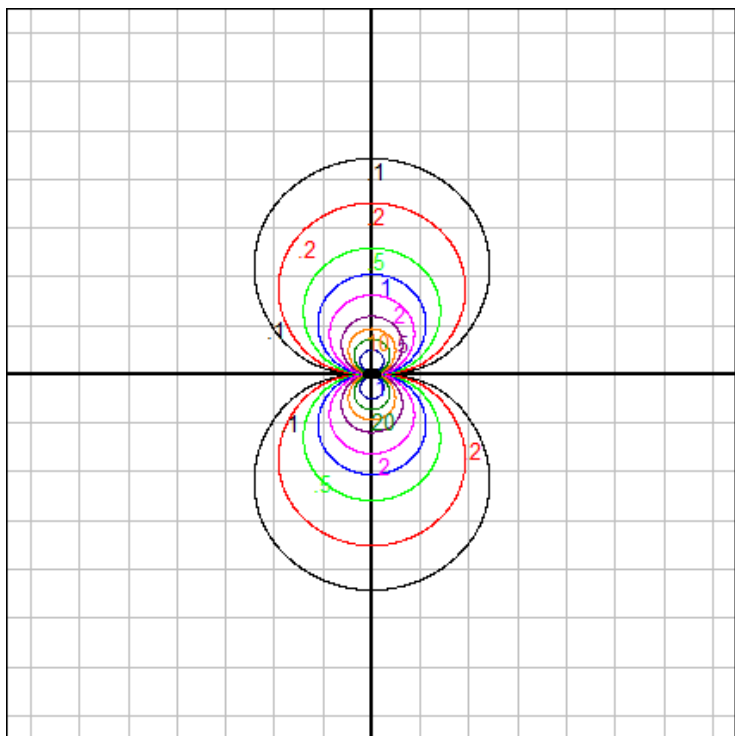
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4392
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	4365.219 (180H, 178.5V)
Max. Cd. (<90 Vert.)	4365.219 (180H, 1.5V)
Max. Cd. (At 90 Deg. Vert.)	.986 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	102.412 (2.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

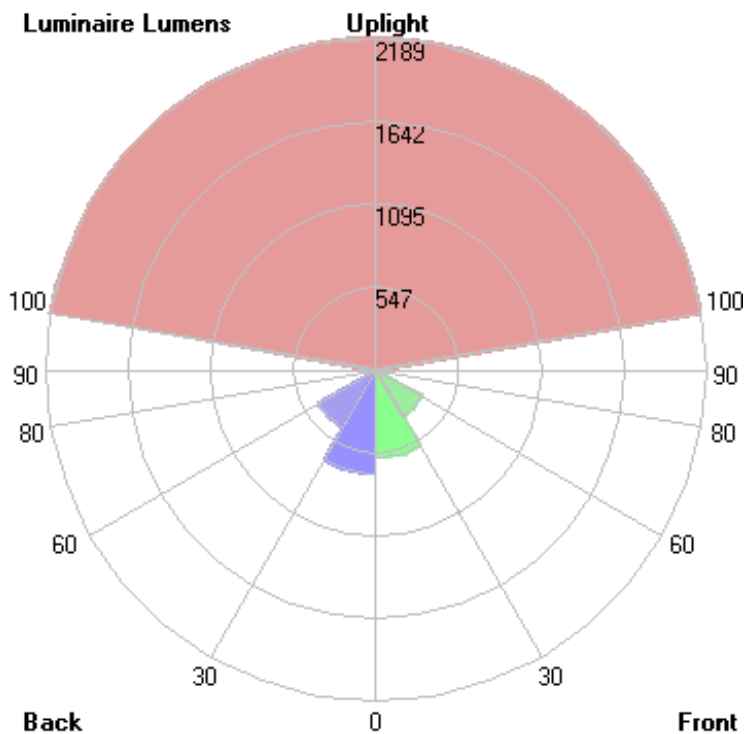
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	580.4	N.A.	13.2
FM (30-60)	350.8	N.A.	8.0
FH (60-80)	57.8	N.A.	1.3
FVH (80-90)	3.2	N.A.	0.1
BL (0-30)	687.8	N.A.	15.7
BM (30-60)	441.3	N.A.	10.0
BH (60-80)	71.3	N.A.	1.6
BVH (80-90)	3.3	N.A.	0.1
UL (90-100)	6.5	N.A.	0.1
UH (100-180)	2189.5	N.A.	49.9
Total	4391.9	N.A.	100.0

BUG Rating B2-U5-G0



Isofootcandle grid on wall

Grid Spacing: 5 ft.



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

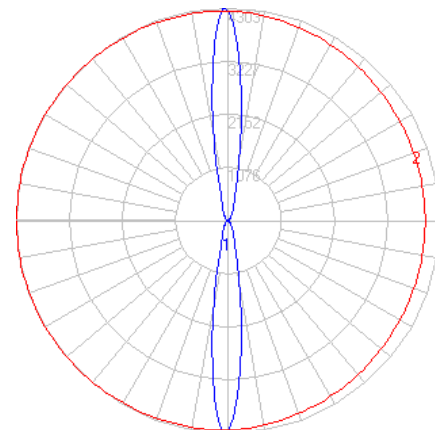
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5/18/2026

BEGA

File: 24588K3_BEGA_IES.ies

TEST: BE_24588K4
 TEST LAB: BEGA
 DATE: 11/21/2024
 LUMINAIRE: 24 588K3
 LAMP: 46.4W LED



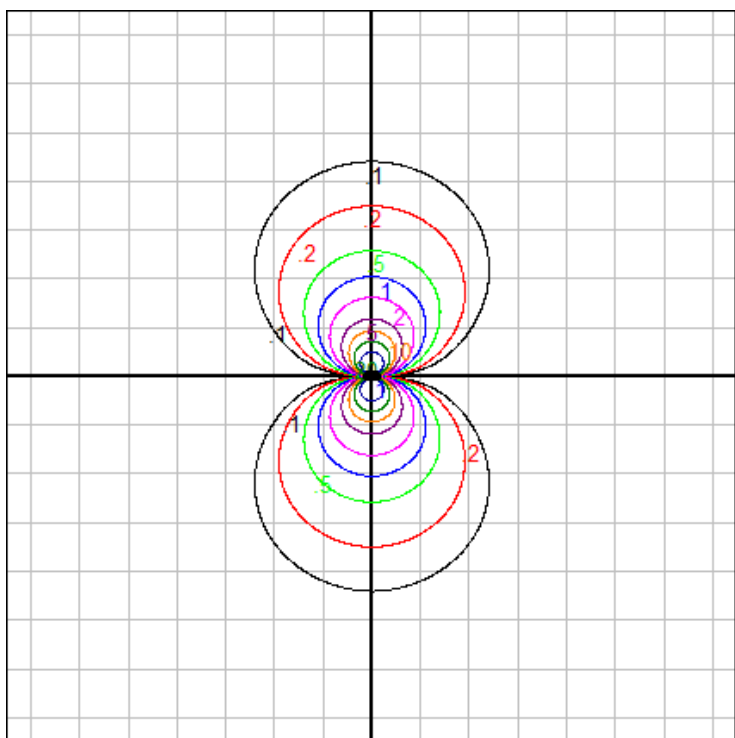
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4330
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	4303.238 (180H, 178.5V)
Max. Cd. (<90 Vert.)	4303.238 (180H, 1.5V)
Max. Cd. (At 90 Deg. Vert.)	.972 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	100.959 (2.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

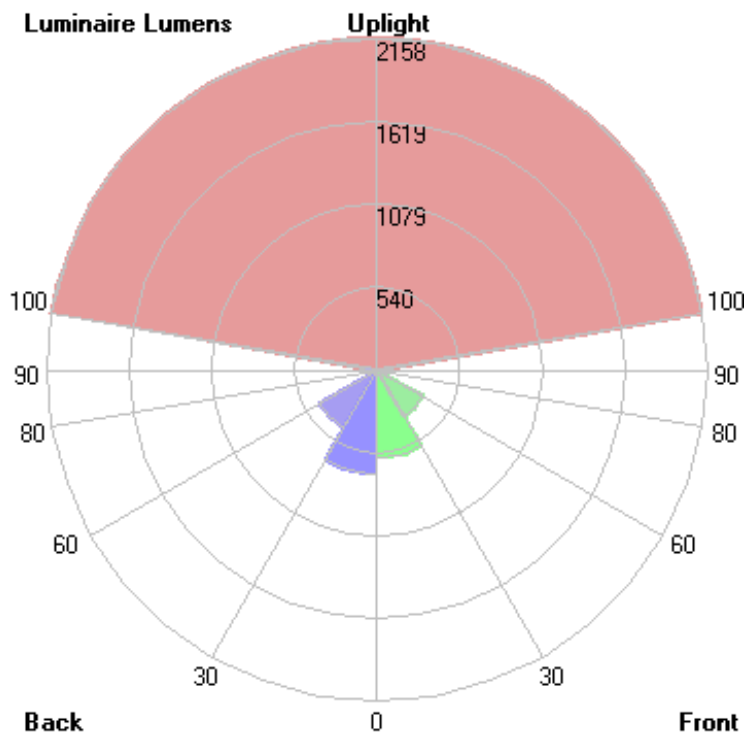
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	572.2	N.A.	13.2
FM (30-60)	345.8	N.A.	8.0
FH (60-80)	57.0	N.A.	1.3
FVH (80-90)	3.1	N.A.	0.1
BL (0-30)	678.0	N.A.	15.7
BM (30-60)	435.1	N.A.	10.0
BH (60-80)	70.3	N.A.	1.6
BVH (80-90)	3.3	N.A.	0.1
UL (90-100)	6.4	N.A.	0.1
UH (100-180)	2158.4	N.A.	49.9
Total	4329.6	N.A.	100.0

BUG Rating B2-U5-G0



Isofootcandle grid on wall Grid Spacing: 5 ft.

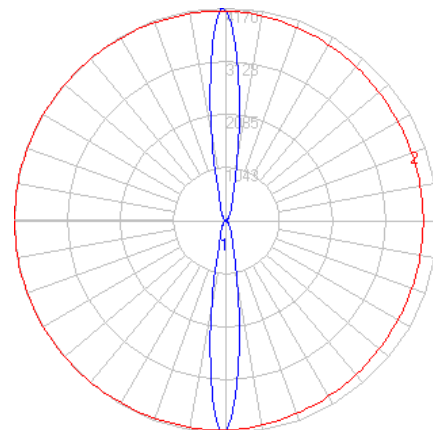


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BEGA

File: 24588K27_BEGA_IES.ies

TEST: BE_24588K4
 TEST LAB: BEGA
 DATE: 11/21/2024
 LUMINAIRE: 24 588K27
 LAMP: 46.4W LED



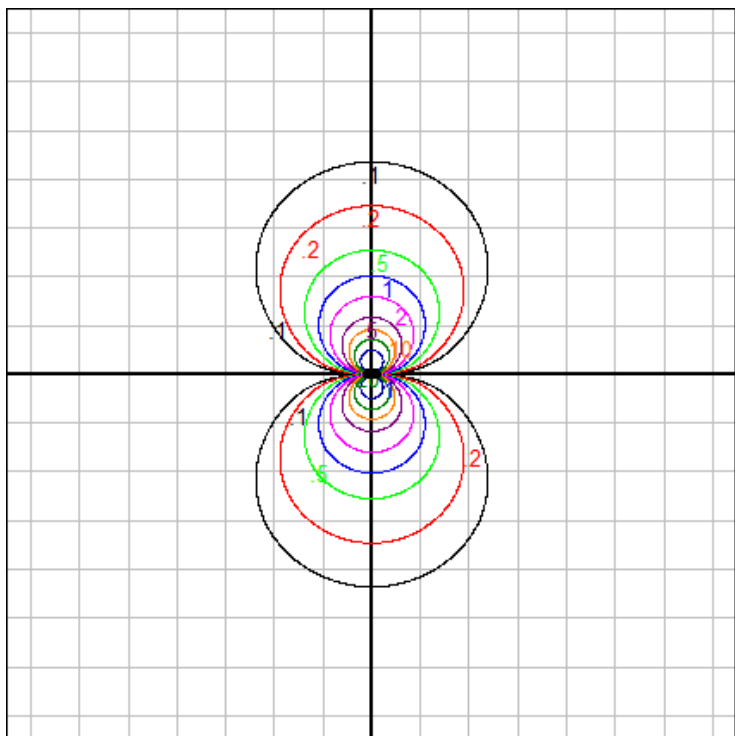
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4196
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	75
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	4170.422 (180H, 178.5V)
Max. Cd. (<90 Vert.)	4170.422 (180H, 1.5V)
Max. Cd. (At 90 Deg. Vert.)	.942 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	97.843 (2.3%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

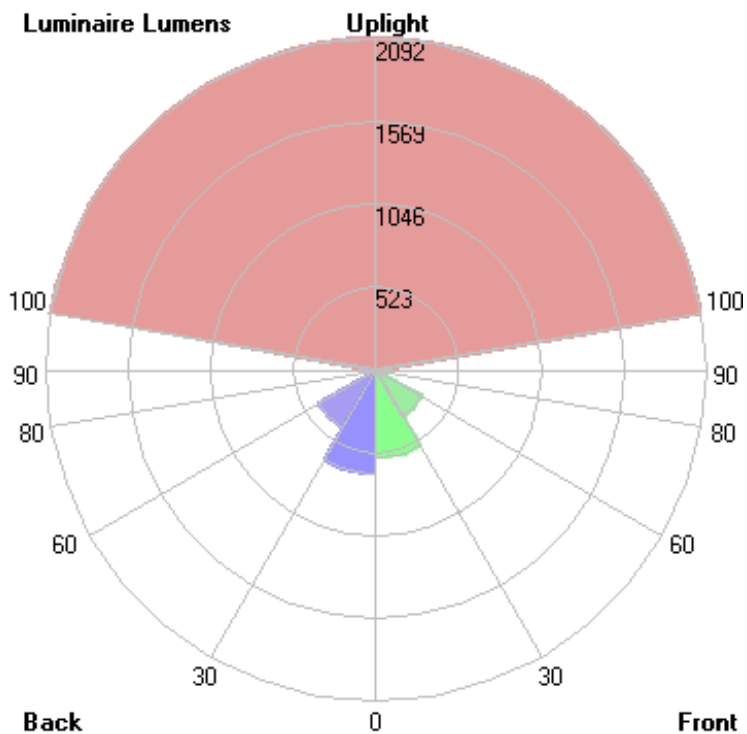
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	554.5	N.A.	13.2
FM (30-60)	335.1	N.A.	8.0
FH (60-80)	55.2	N.A.	1.3
FVH (80-90)	3.0	N.A.	0.1
BL (0-30)	657.1	N.A.	15.7
BM (30-60)	421.7	N.A.	10.0
BH (60-80)	68.1	N.A.	1.6
BVH (80-90)	3.2	N.A.	0.1
UL (90-100)	6.2	N.A.	0.1
UH (100-180)	2091.8	N.A.	49.9
Total	4195.9	N.A.	100.0

BUG Rating B2-U5-G0



Isofootcandle grid on wall

Grid Spacing: 5 ft.



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