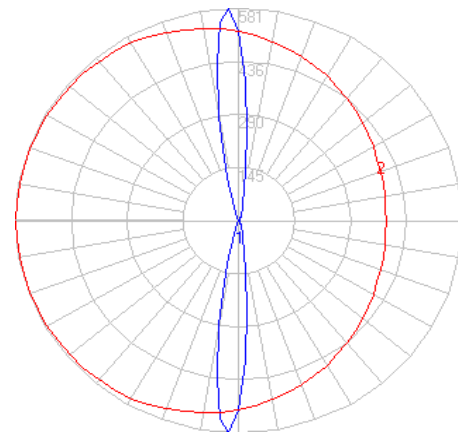


BEGA

File: 24045K4_BEGA_IES.ies

TEST: BE_24045K4
 TEST LAB: BEGA
 DATE: 08/02/2019
 LUMINAIRE: 24045K4
 LAMP: 20.0W LED



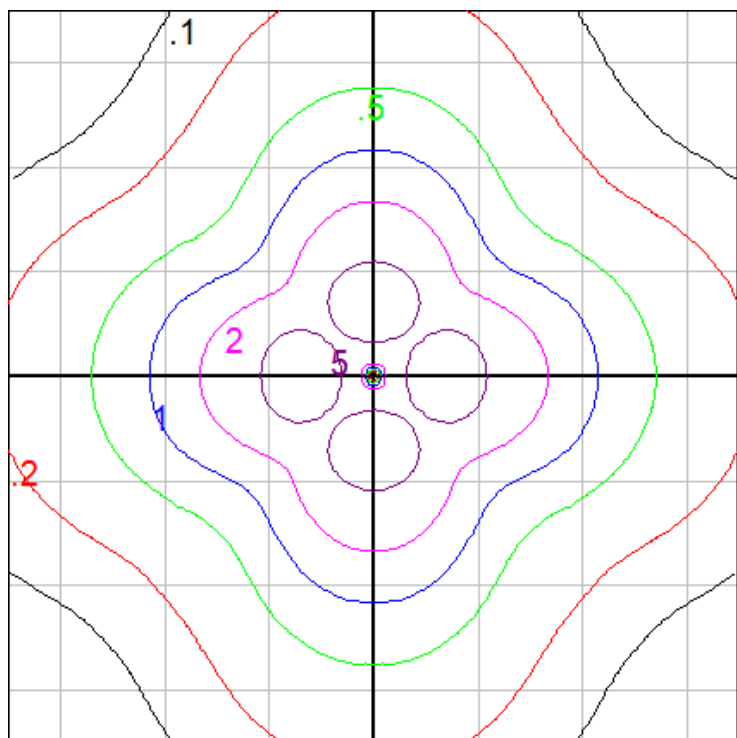
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	812
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	34
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

Lum. Classification System (LCS)

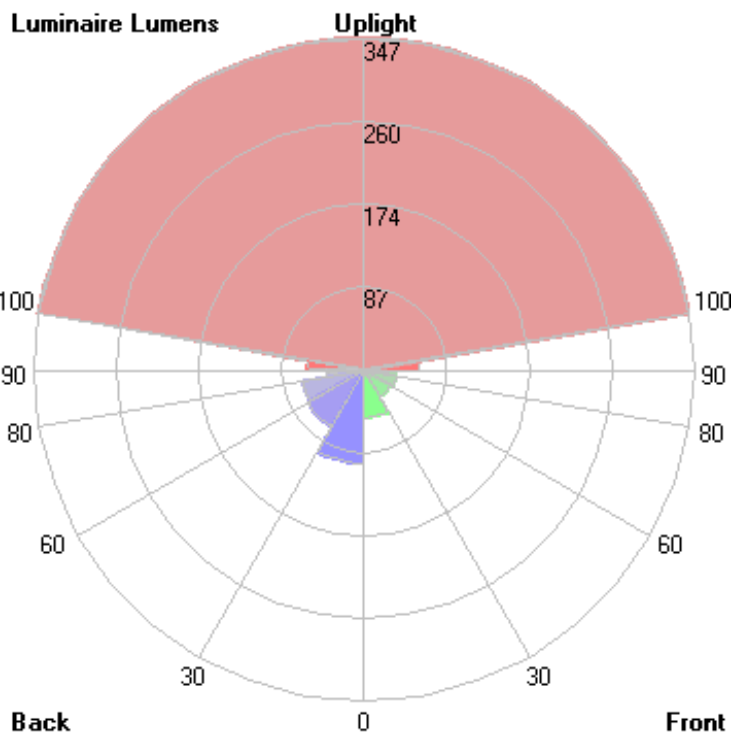
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	50.4	N.A.	6.2
FM (30-60)	31.9	N.A.	3.9
FH (60-80)	34.1	N.A.	4.2
FVH(80-90)	20.3	N.A.	2.5
BL (0-30)	97.9	N.A.	12.1
BM (30-60)	67.9	N.A.	8.4
BH (60-80)	64.9	N.A.	8.0
BVH(80-90)	38.3	N.A.	4.7
UL (90-100)	58.6	N.A.	7.2
UH (100-180)	347.2	N.A.	42.8
Total	811.5	N.A.	100.0

BUG Rating B0-U3-G1



Grid Spacing: 3 ft.

Isofootcandle grid on wall

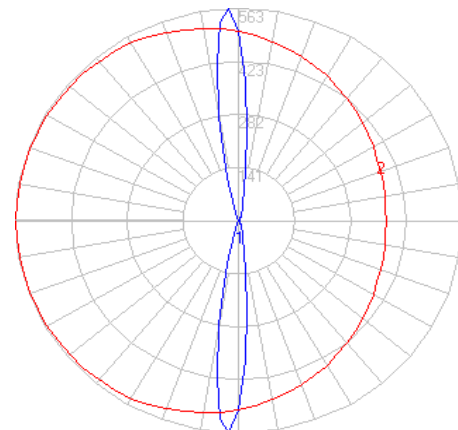


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24045K35_BEGA_IES.ies

TEST: BE_24045K4
 TEST LAB: BEGA
 DATE: 08/02/2019
 LUMINAIRE: 24045K35
 LAMP: 20.0W LED



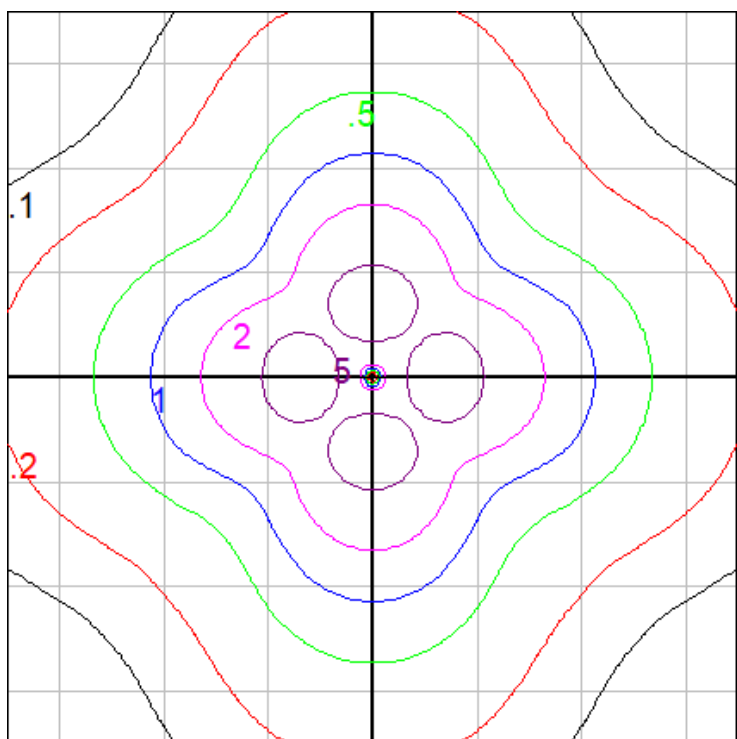
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	787
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	33
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

Lum. Classification System (LCS)

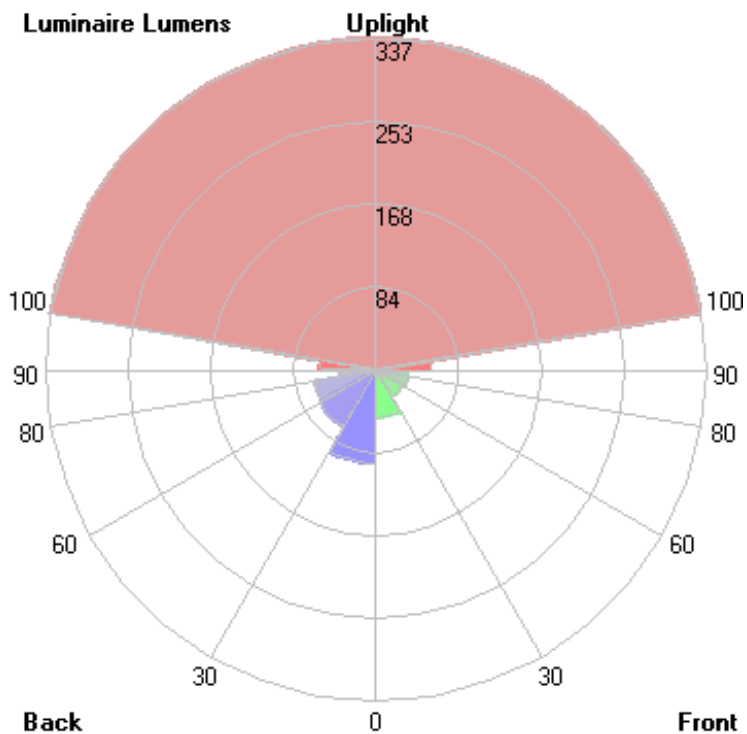
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	48.9	N.A.	6.2
FM (30-60)	31.0	N.A.	3.9
FH (60-80)	33.1	N.A.	4.2
FVH(80-90)	19.7	N.A.	2.5
BL (0-30)	94.9	N.A.	12.1
BM (30-60)	65.8	N.A.	8.4
BH (60-80)	63.0	N.A.	8.0
BVH(80-90)	37.2	N.A.	4.7
UL (90-100)	56.8	N.A.	7.2
UH (100-180)	336.7	N.A.	42.8
Total	787.1	N.A.	100.0

BUG Rating B0-U3-G1



Grid Spacing: 3 ft.

Isofootcandle grid on wall

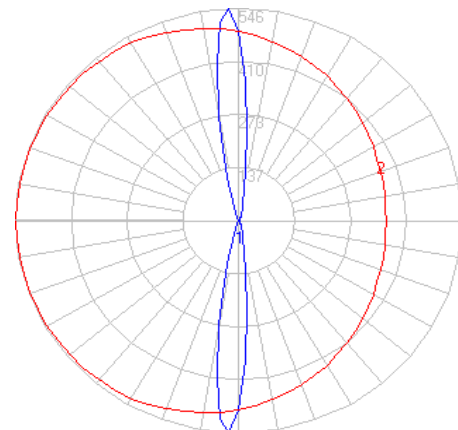


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24045K3_BEGA_IES.ies

TEST: BE_24045K4
 TEST LAB: BEGA
 DATE: 08/02/2019
 LUMINAIRE: 24045K3
 LAMP: 20.0W LED



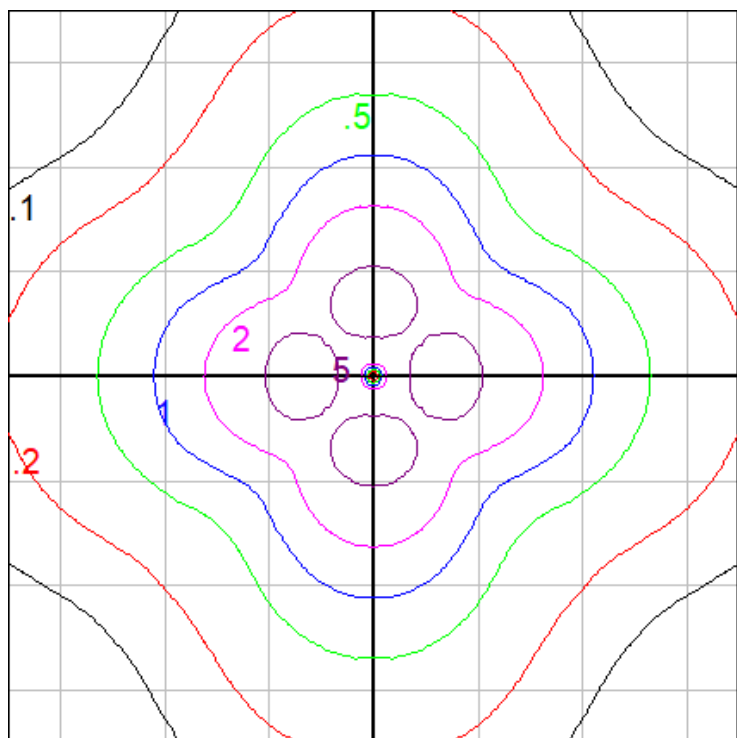
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	763
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	32
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

Lum. Classification System (LCS)

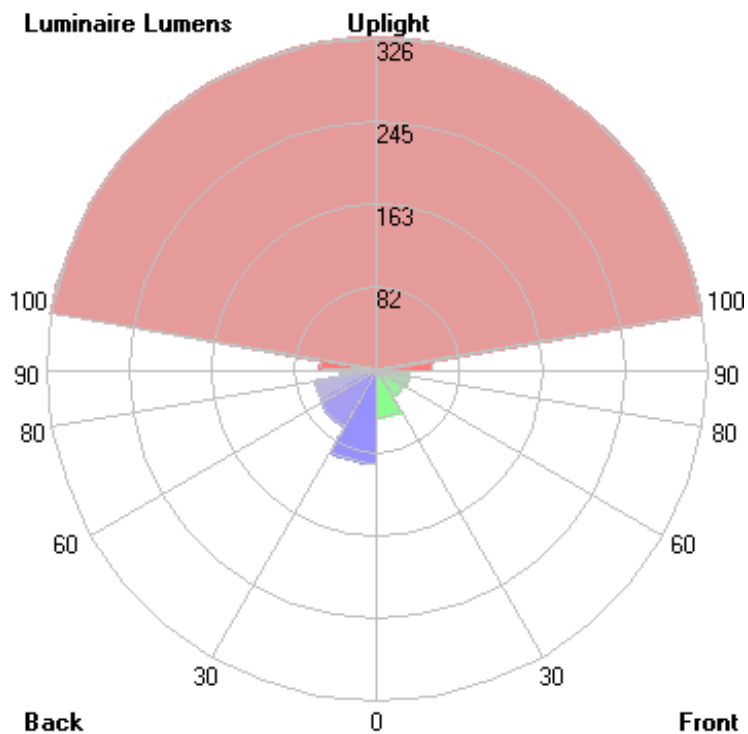
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	47.4	N.A.	6.2
FM (30-60)	30.0	N.A.	3.9
FH (60-80)	32.1	N.A.	4.2
FVH(80-90)	19.1	N.A.	2.5
BL (0-30)	92.0	N.A.	12.1
BM (30-60)	63.8	N.A.	8.4
BH (60-80)	61.1	N.A.	8.0
BVH(80-90)	36.0	N.A.	4.7
UL (90-100)	55.1	N.A.	7.2
UH (100-180)	326.3	N.A.	42.8
Total	762.9	N.A.	100.0

BUG Rating B0-U3-G1



Grid Spacing: 3 ft.

Isofootcandle grid on wall

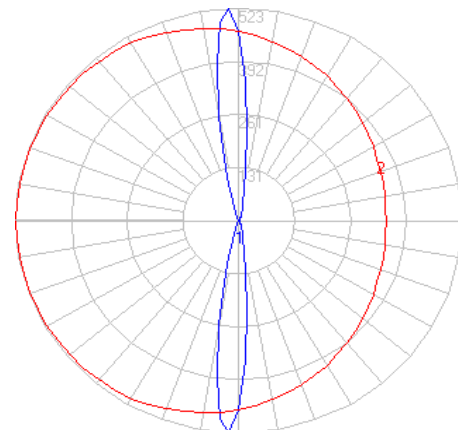


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 24045K27_BEGA_IES.ies

TEST: BE_24045K4
 TEST LAB: BEGA
 DATE: 08/02/2019
 LUMINAIRE: 24045K27
 LAMP: 20.0W LED



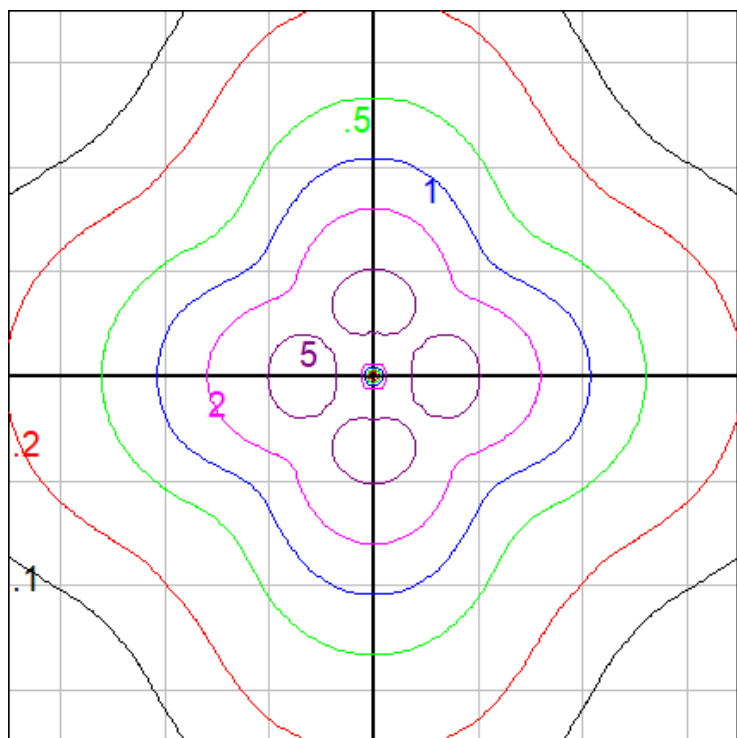
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	730
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	30
Total Luminaire Watts	24
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	0.20 ft
Luminous Height	0.00 ft

Lum. Classification System (LCS)

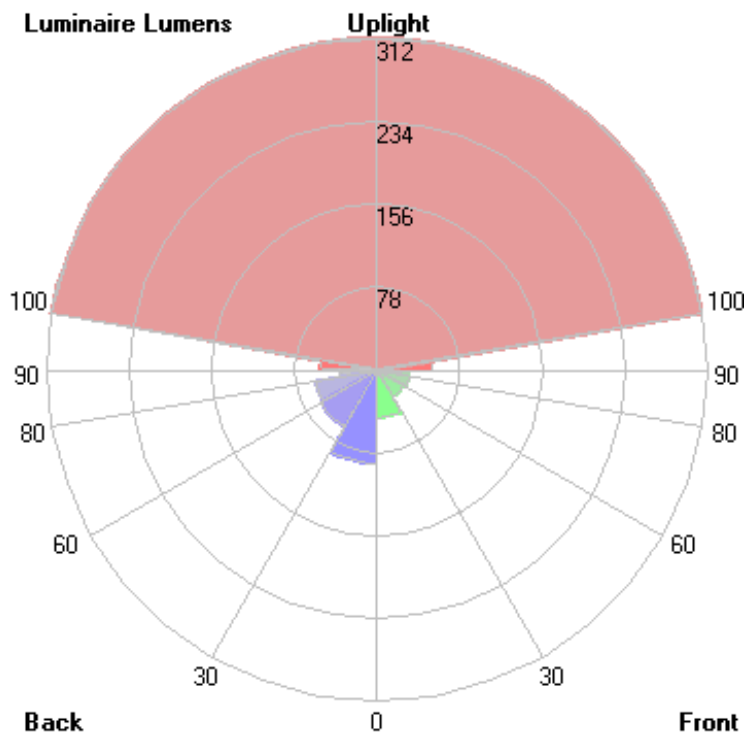
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	45.4	N.A.	6.2
FM (30-60)	28.7	N.A.	3.9
FH (60-80)	30.7	N.A.	4.2
FVH(80-90)	18.3	N.A.	2.5
BL (0-30)	88.1	N.A.	12.1
BM (30-60)	61.1	N.A.	8.4
BH (60-80)	58.5	N.A.	8.0
BVH(80-90)	34.5	N.A.	4.7
UL (90-100)	52.7	N.A.	7.2
UH (100-180)	312.4	N.A.	42.8
Total	730.4	N.A.	100.0

BUG Rating B0-U3-G1



Grid Spacing: 3 ft.

Isofootcandle grid on wall



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