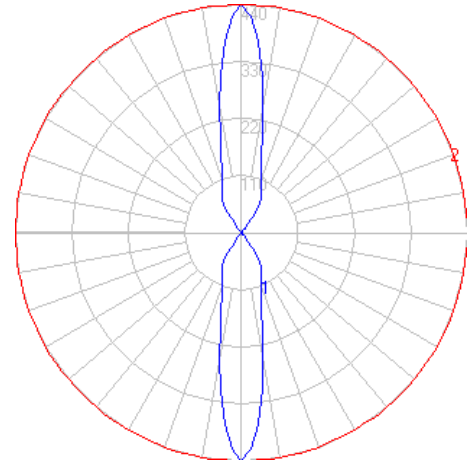


BEGA

Photometric Filename: 33590K4.IES

TEST: BE_33590K4
 TEST LAB: BEGA
 DATE: 3/15/16
 LUMINAIRE: 33590K4
 LAMP: 3.8W LED



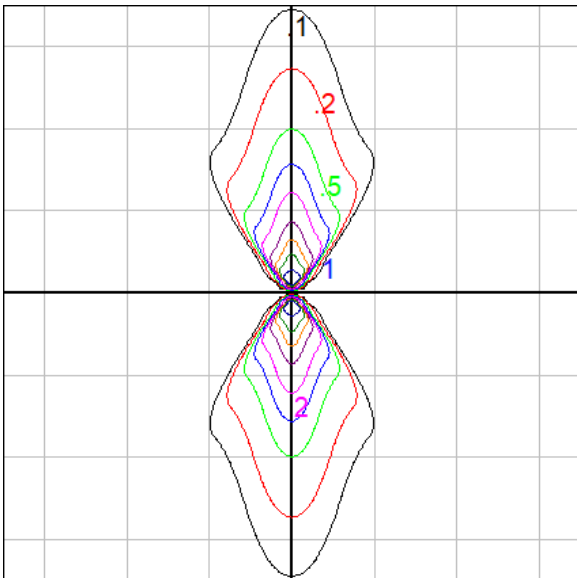
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	309
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	7.3
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	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.18 ft (Diameter)
Luminous Height	0.00 ft

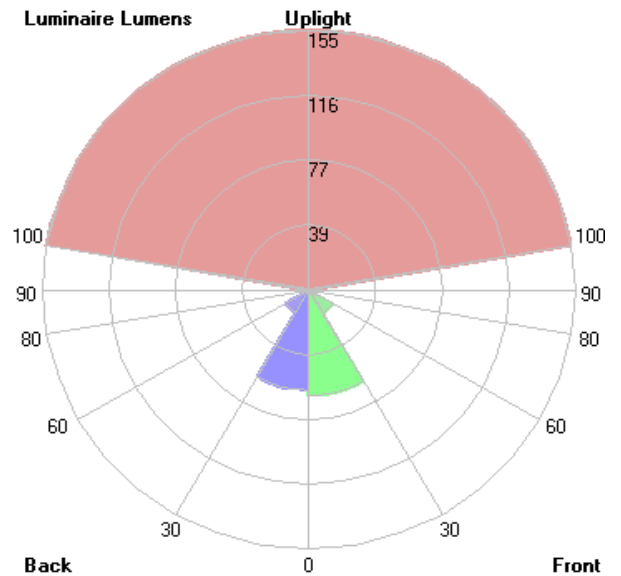
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	62.9	N.A.	20.4
FM (30-60)	15.8	N.A.	5.1
FH (60-80)	< 0.05	N.A.	0.0
FVH(80-90)	< 0.05	N.A.	0.0
BL (0-30)	59.9	N.A.	19.4
BM (30-60)	15.9	N.A.	5.2
BH (60-80)	< 0.05	N.A.	0.0
BVH(80-90)	< 0.05	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	154.6	N.A.	50.0
Total	309.1	N.A.	100.0

BUG Rating B0-U3-G0



Mounting Height = N/A Grid Spacing = 3 ft.

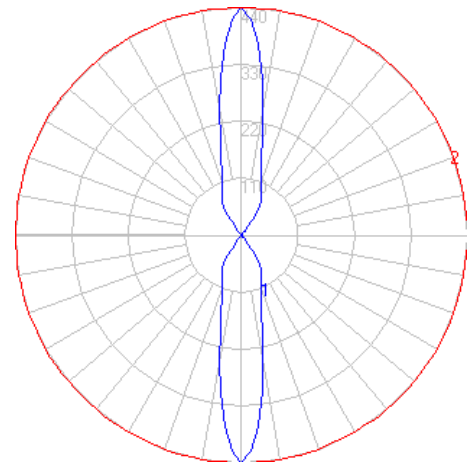


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 33590K35.IES

TEST: BE_33590K4
 TEST LAB: BEGA
 DATE: 3/15/16
 LUMINAIRE: 33590K35
 LAMP: 3.8W LED



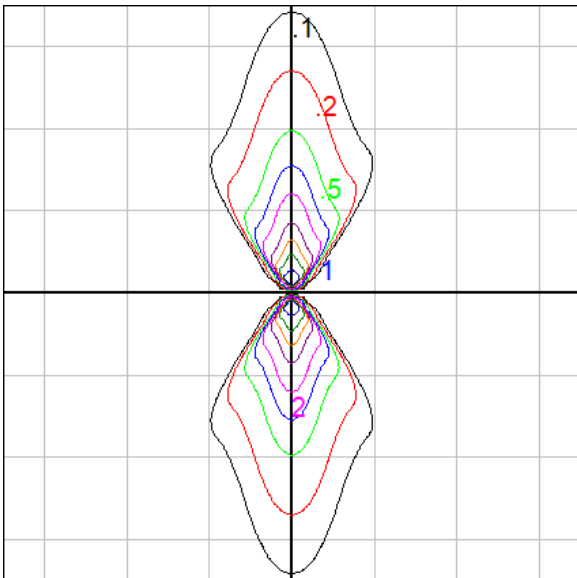
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	300
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	41
Total Luminaire Watts	7.3
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	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.18 ft (Diameter)
Luminous Height	0.00 ft

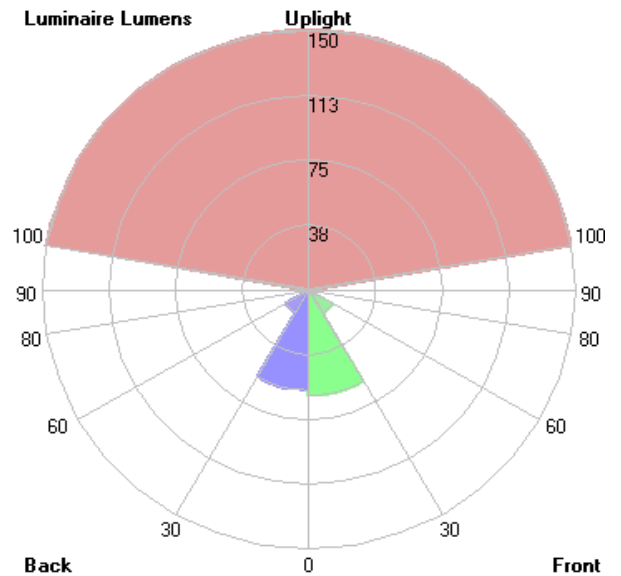
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	61.0	N.A.	20.3
FM (30-60)	15.3	N.A.	5.1
FH (60-80)	< 0.05	N.A.	0.0
FVH(80-90)	< 0.05	N.A.	0.0
BL (0-30)	58.1	N.A.	19.4
BM (30-60)	15.5	N.A.	5.2
BH (60-80)	< 0.05	N.A.	0.0
BVH(80-90)	< 0.05	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	150.0	N.A.	50.0
Total	299.9	N.A.	100.0

BUG Rating B0-U3-G0



Mounting Height = N/A Grid Spacing = 3 ft.

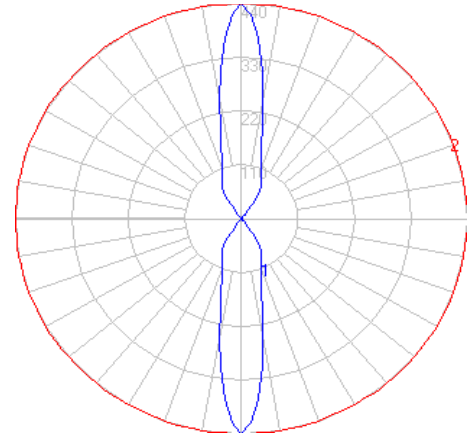


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 33590K3.IES

TEST: BE_33590K4
 TEST LAB: BEGA
 DATE: 3/15/16
 LUMINAIRE: 33590K3
 LAMP: 3.8W LED



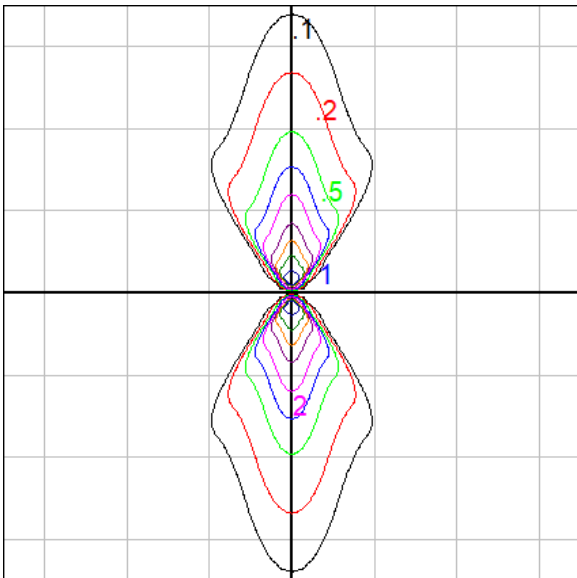
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	294
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	40
Total Luminaire Watts	7.3
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	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.18 ft (Diameter)
Luminous Height	0.00 ft

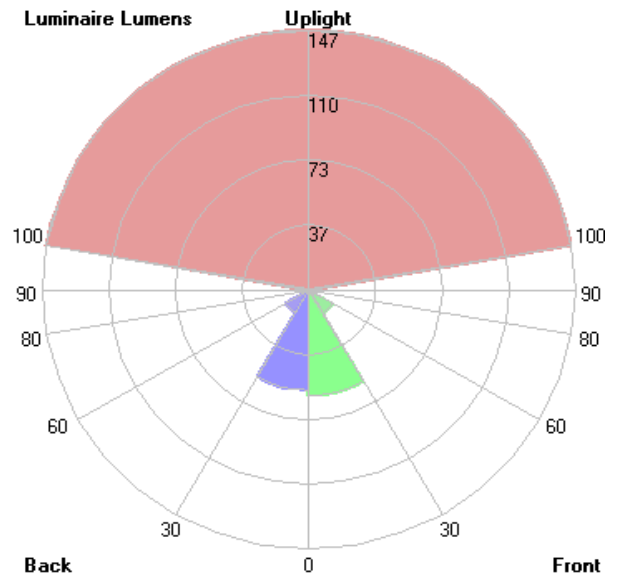
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	59.8	N.A.	20.3
FM (30-60)	15.0	N.A.	5.1
FH (60-80)	< 0.05	N.A.	0.0
FVH(80-90)	< 0.05	N.A.	0.0
BL (0-30)	56.9	N.A.	19.4
BM (30-60)	15.1	N.A.	5.2
BH (60-80)	< 0.05	N.A.	0.0
BVH(80-90)	< 0.05	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	146.9	N.A.	50.0
Total	293.7	N.A.	100.0

BUG Rating B0-U3-G0



Mounting Height = N/A Grid Spacing = 3 ft.

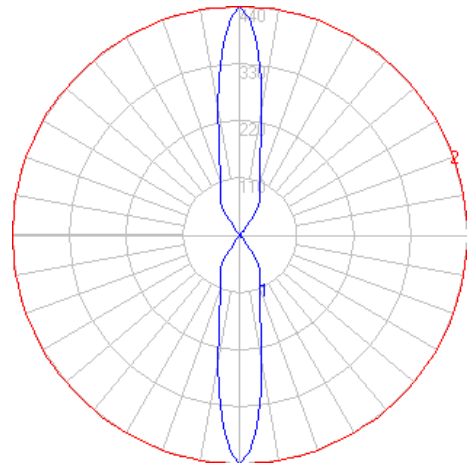


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 33590K27.IES

TEST: BE_33590K4
 TEST LAB: BEGA
 DATE: 3/15/16
 LUMINAIRE: 33590K27
 LAMP: 3.8W LED



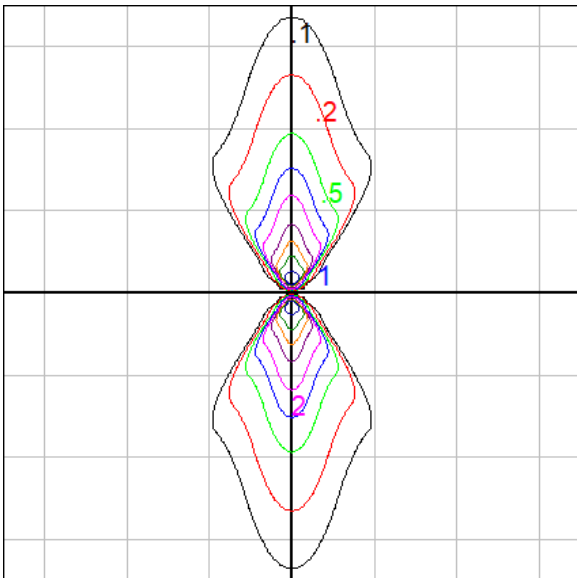
Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	285
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	39
Total Luminaire Watts	7.3
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	Circular
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	0.18 ft (Diameter)
Luminous Height	0.00 ft

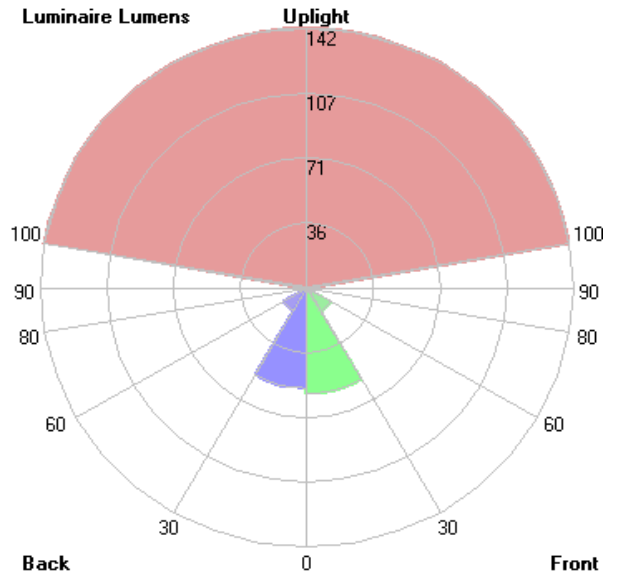
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	57.9	N.A.	20.3
FM (30-60)	14.5	N.A.	5.1
FH (60-80)	< 0.05	N.A.	0.0
FVH(80-90)	< 0.05	N.A.	0.0
BL (0-30)	55.1	N.A.	19.4
BM (30-60)	14.7	N.A.	5.2
BH (60-80)	< 0.05	N.A.	0.0
BVH(80-90)	< 0.05	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	142.3	N.A.	50.0
Total		284.5	N.A. 100.0

BUG Rating B0-U3-G0



Mounting Height = N/A Grid Spacing = 3 ft.

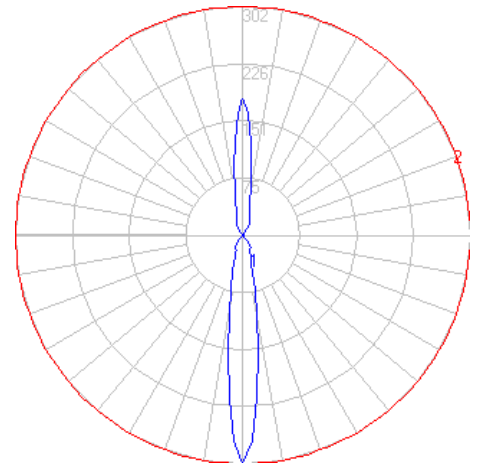


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 33590AMB.IES

TEST: L121804108
 TEST LAB: Light Laboratory, Inc.
 DATE: 1/16/2019
 LUMINAIRE: 33 590 Amber
 LAMP: 4.2W LED



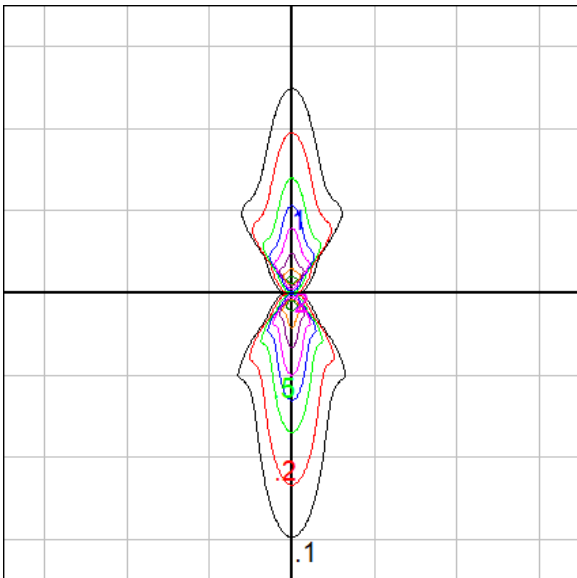
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	89
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	12
Total Luminaire Watts	7.62
Ballast Factor	1.00
Upward Waste Light Ratio	0.59
Max. Cd.	301.59 (0H, 180V)
Max. Cd. (<90 Vert.)	181.94 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.055 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

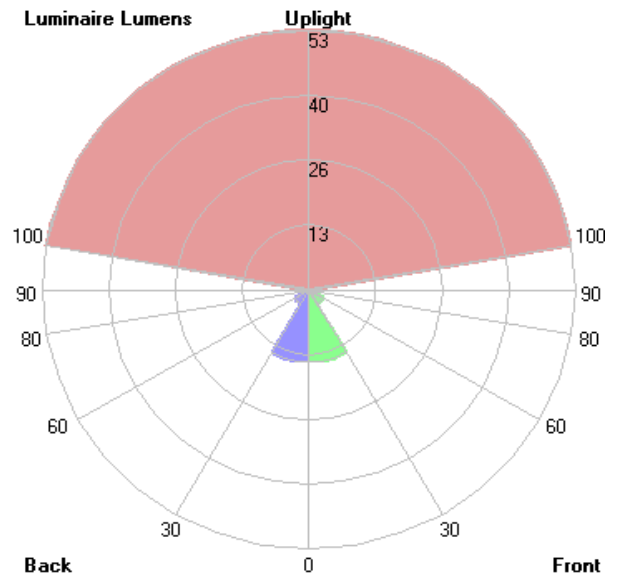
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	14.7	N.A.	16.5
FM (30-60)	3.3	N.A.	3.7
FH (60-80)	0.1	N.A.	0.1
FVH(80-90)	< 0.05	N.A.	0.0
BL (0-30)	14.7	N.A.	16.5
BM (30-60)	3.3	N.A.	3.7
BH (60-80)	0.1	N.A.	0.1
BVH(80-90)	< 0.05	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	52.9	N.A.	59.4
Total	89.1	N.A.	100.0

BUG Rating B0-U3-G0



Mounting Height = N/A Grid Spacing = 3 ft.



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