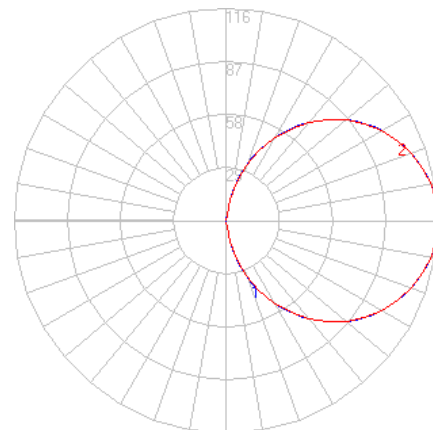
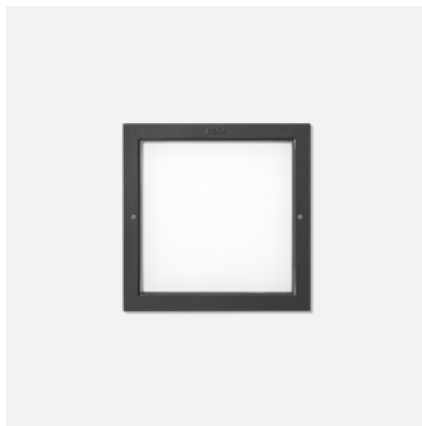


BEGA

File: 33296K4_BEGA_IES.ies

TEST: BE_33296K4
 TEST LAB: BEGA
 DATE: 3/1/2017
 LUMINAIRE: 33 296K4
 LAMP: 2.8W LED



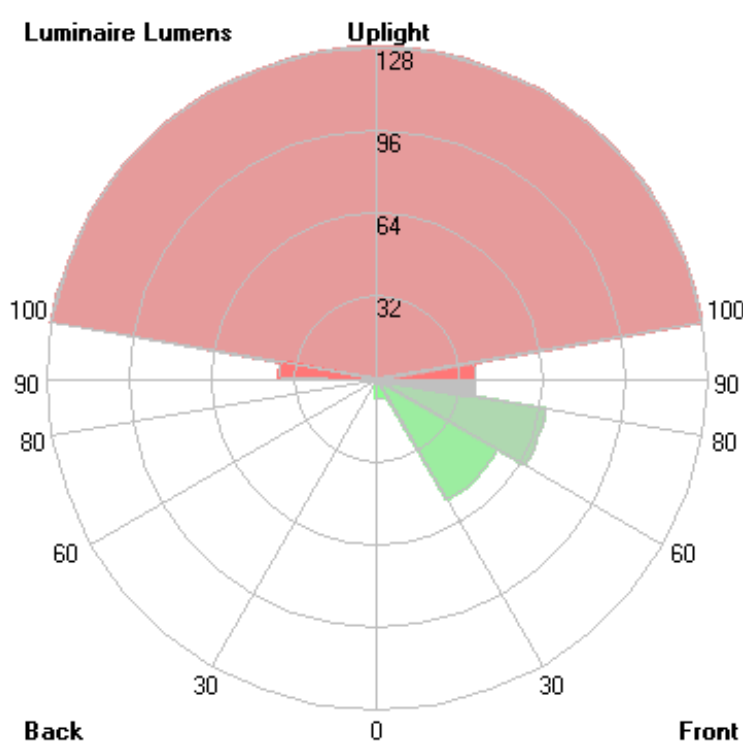
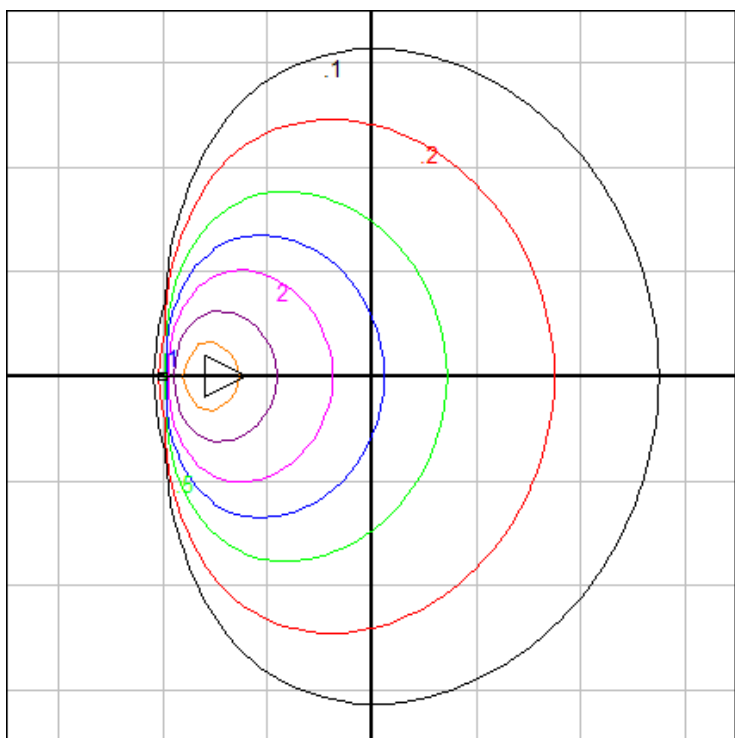
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	331
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	115.6 (0H, 90V)
Max. Cd. (<90 Vert.)	115.4 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	115.6 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	115.4 (34.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	7.6	N.A.	2.3
FM (30-60)	54.0	N.A.	16.3
FH (60-80)	66.1	N.A.	20.0
FVH (80-90)	37.8	N.A.	11.4
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)	37.8	N.A.	11.4
UH (100-180)	127.7	N.A.	38.6
Total	331.0	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 1.5 ft.

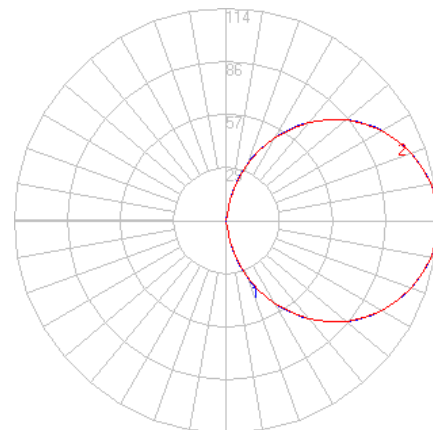
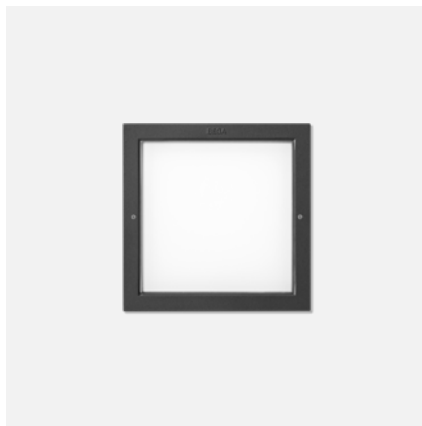
Grid Spacing: 2.5 ft.

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

BEGA

File: 33296K35_BEGA_IES.ies

TEST: BE_33296K4
 TEST LAB: BEGA
 DATE: 3/1/2017
 LUMINAIRE: 33 296K35
 LAMP: 2.8W LED



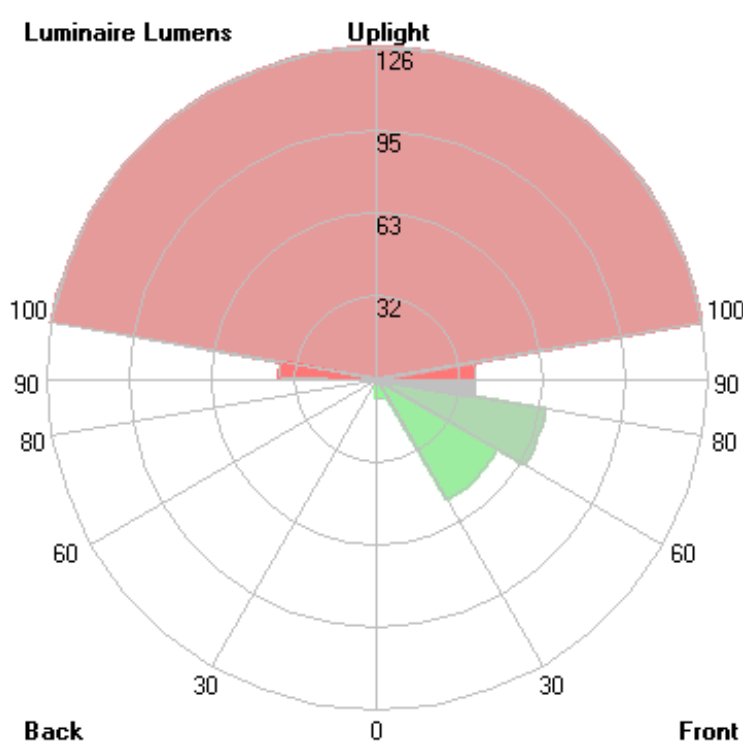
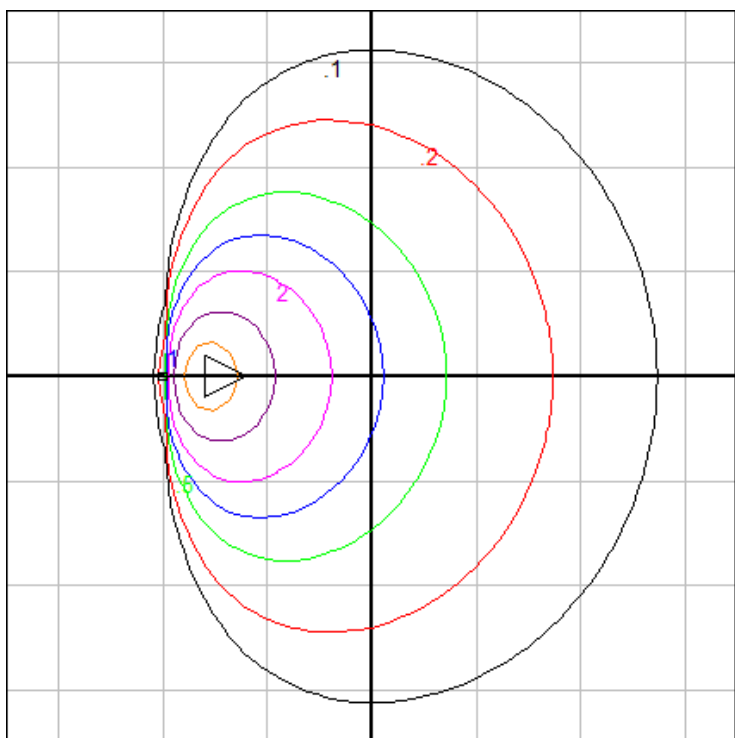
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	328
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	114.444 (0H, 90V)
Max. Cd. (<90 Vert.)	114.246 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	114.444 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	114.246 (34.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	7.5	N.A.	2.3
FM (30-60)	53.4	N.A.	16.3
FH (60-80)	65.5	N.A.	20.0
FVH (80-90)	37.4	N.A.	11.4
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)	37.4	N.A.	11.4
UH (100-180)	126.4	N.A.	38.6
Total	327.6	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 1.5 ft.

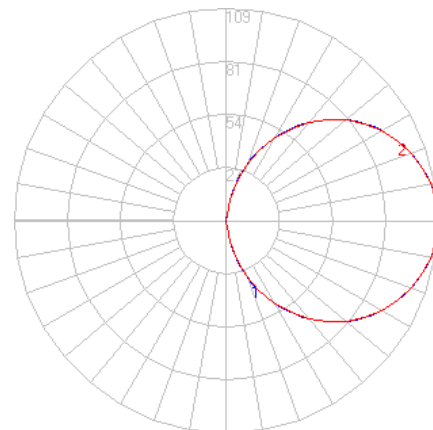
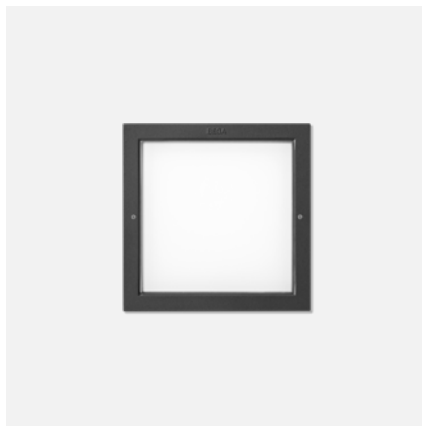
Grid Spacing: 2.5 ft.

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

BEGA

File: 33296K3_BEGA_IES.ies

TEST: BE_33296K4
 TEST LAB: BEGA
 DATE: 3/1/2017
 LUMINAIRE: 33 296K3
 LAMP: 2.8W LED



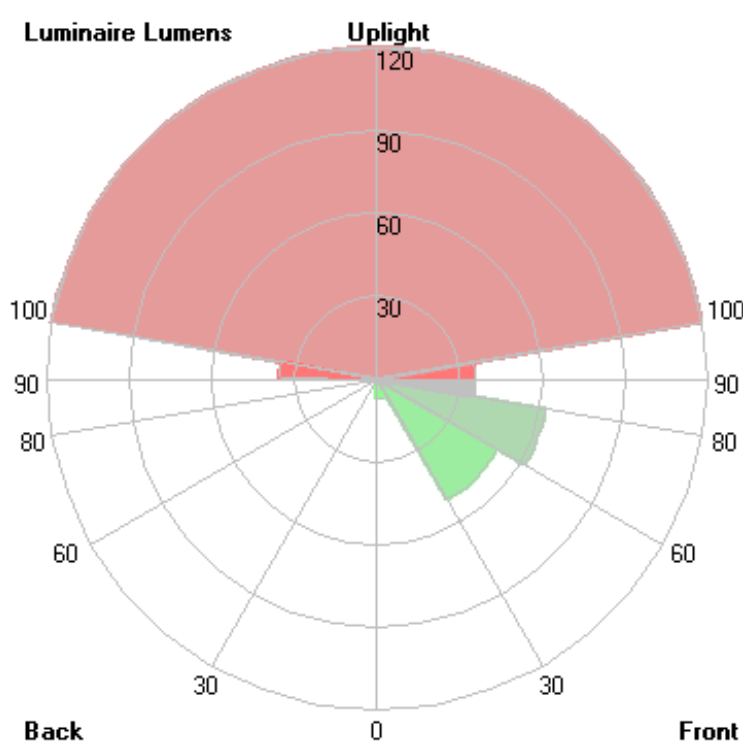
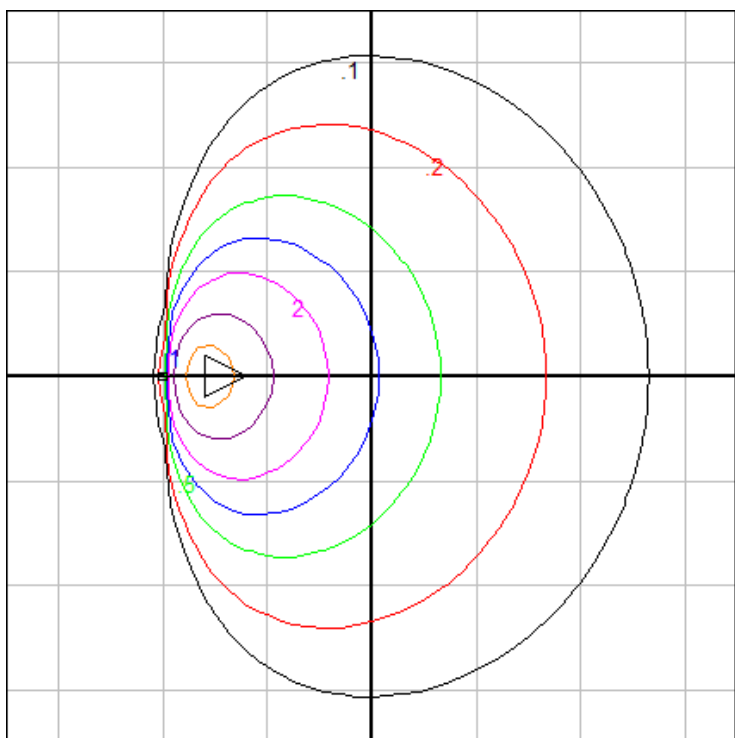
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	311
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	108.664 (0H, 90V)
Max. Cd. (<90 Vert.)	108.476 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	108.664 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	108.476 (34.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	7.1	N.A.	2.3
FM (30-60)	50.7	N.A.	16.3
FH (60-80)	62.2	N.A.	20.0
FVH (80-90)	35.5	N.A.	11.4
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)	35.5	N.A.	11.4
UH (100-180)	120.0	N.A.	38.6
Total	311.0	N.A.	100.0

BUG Rating B0-U3-G1



Mounting Height: 1.5 ft.

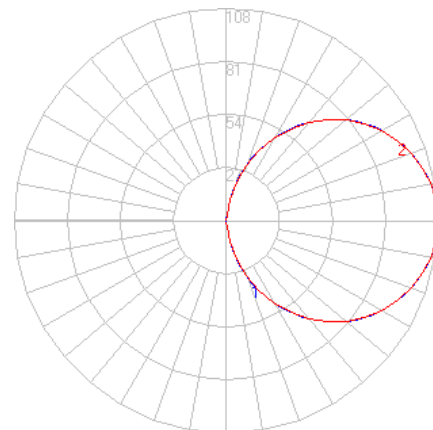
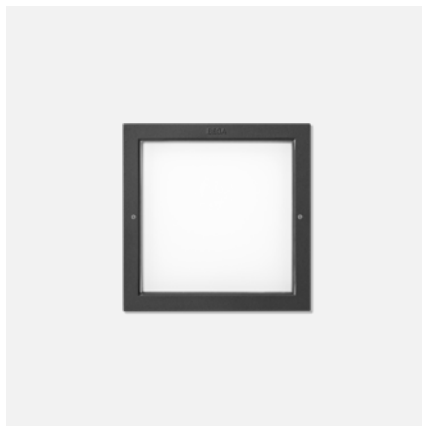
Grid Spacing: 2.5 ft.

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

BEGA

File: 33296K27_BEGA_IES.ies

TEST: BE_33296K4
 TEST LAB: BEGA
 DATE: 3/1/2017
 LUMINAIRE: 33 296K27
 LAMP: 2.8W LED



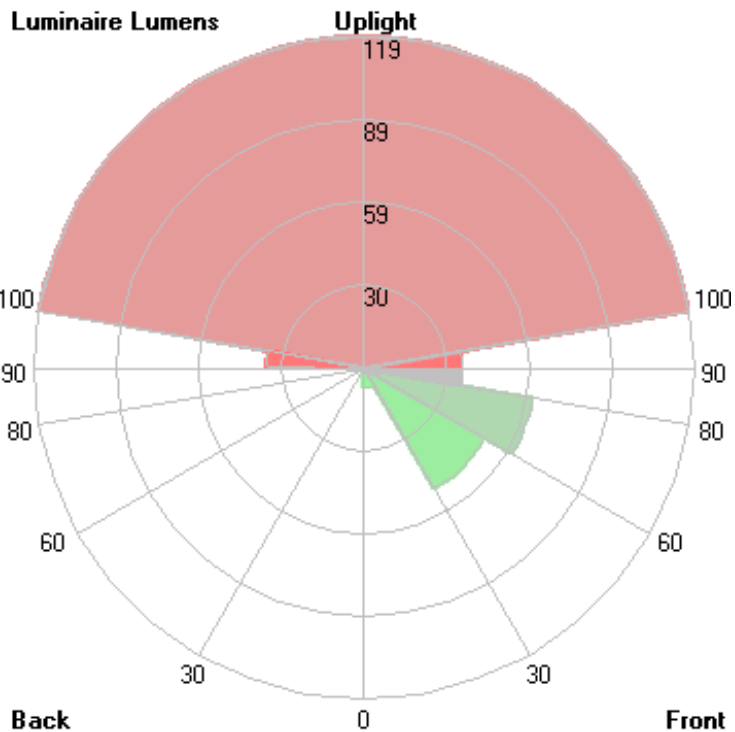
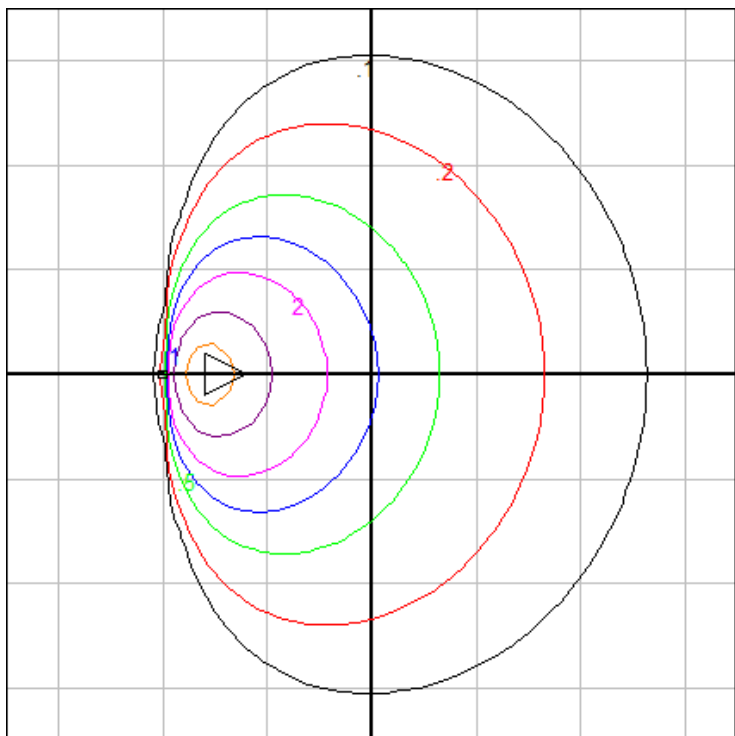
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	308
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	5
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	107.508 (0H, 90V)
Max. Cd. (<90 Vert.)	107.322 (0H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	107.508 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	107.322 (34.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	7.0	N.A.	2.3
FM (30-60)	50.2	N.A.	16.3
FH (60-80)	61.5	N.A.	20.0
FVH (80-90)	35.1	N.A.	11.4
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)	35.1	N.A.	11.4
UH (100-180)	118.7	N.A.	38.6
Total	307.6	N.A.	100.0

BUG Rating B0-U3-G1



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.

BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2020

11/16/2020