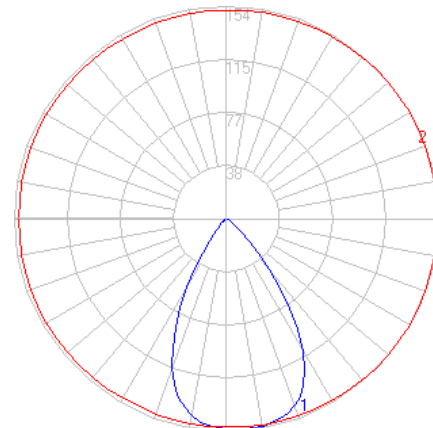


BEGA

File: 33514K4_BEGA_IES.ies

TEST: BE_33514K4
TEST LAB: BEGA
DATE: 10/20/2020
LUMINAIRE: 33 514K4
LAMP: 3.0W LED



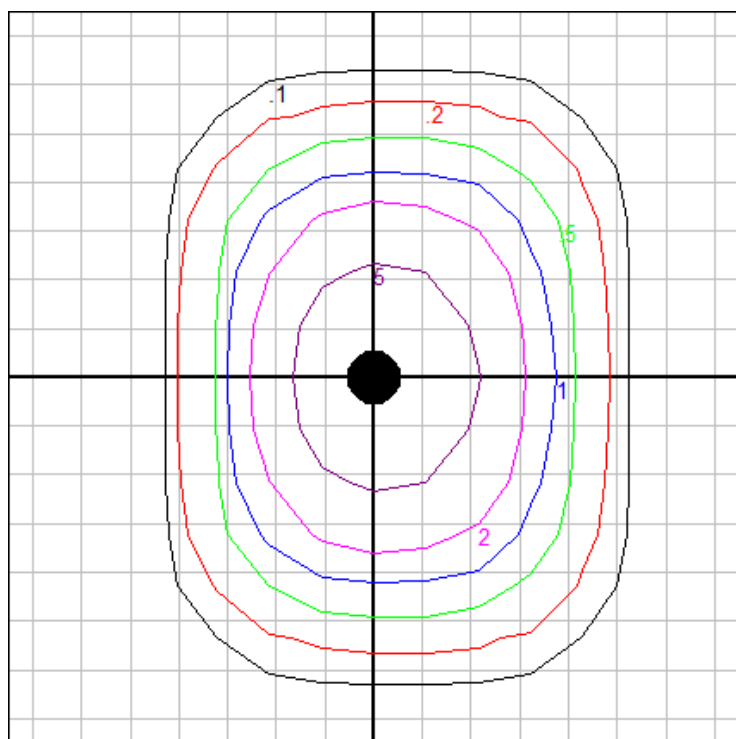
Characteristics

IES Classification	Type I
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	211
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	30
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	153.8 (0H, 5V)
Max. Cd. (<90 Vert.)	153.8 (0H, 5V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.4 (0.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	59.5	N.A.	28.1
FM (30-60)	57.0	N.A.	27.0
FH (60-80)	2.0	N.A.	0.9
FVH (80-90)	0.1	N.A.	0.0
BL (0-30)	52.9	N.A.	25.0
BM (30-60)	38.4	N.A.	18.2
BH (60-80)	1.4	N.A.	0.7
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	211.3	N.A.	100.0

BUG Rating B0-U0-G0

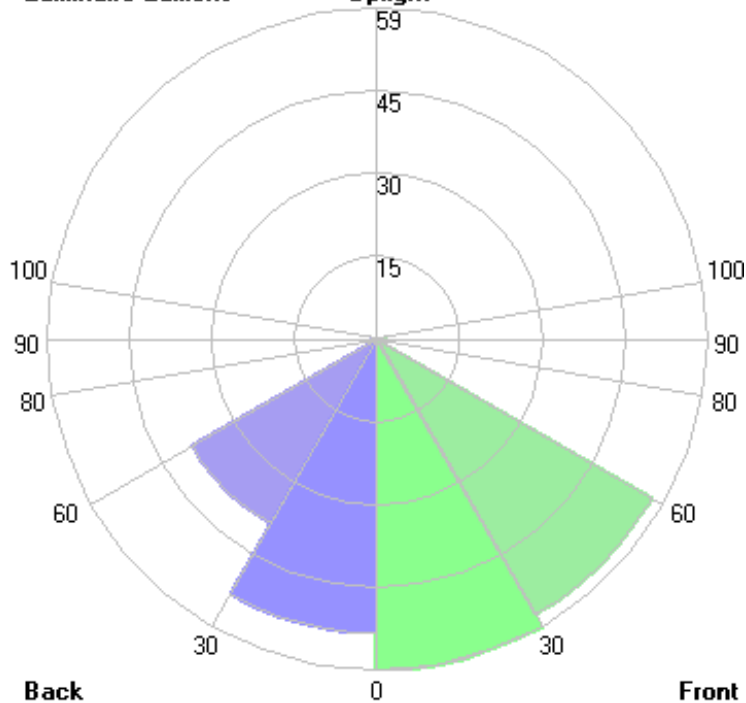


Mounting Height: 4 ft.

Grid Spacing: 1 ft.

Luminaire Lumens

Uplight



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

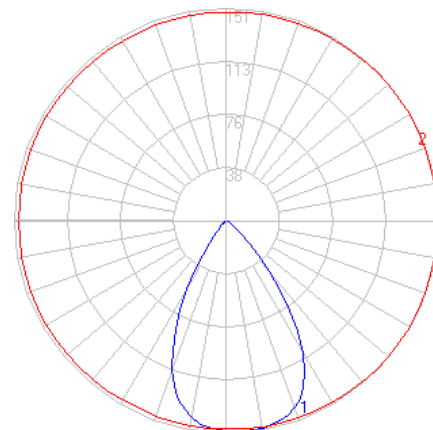
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BEGA

File: 33514K35_BEGA_IES.ies

TEST: BE_33514K4
TEST LAB: BEGA
DATE: 10/20/2020
LUMINAIRE: 33 514K35
LAMP: 3.0W LED



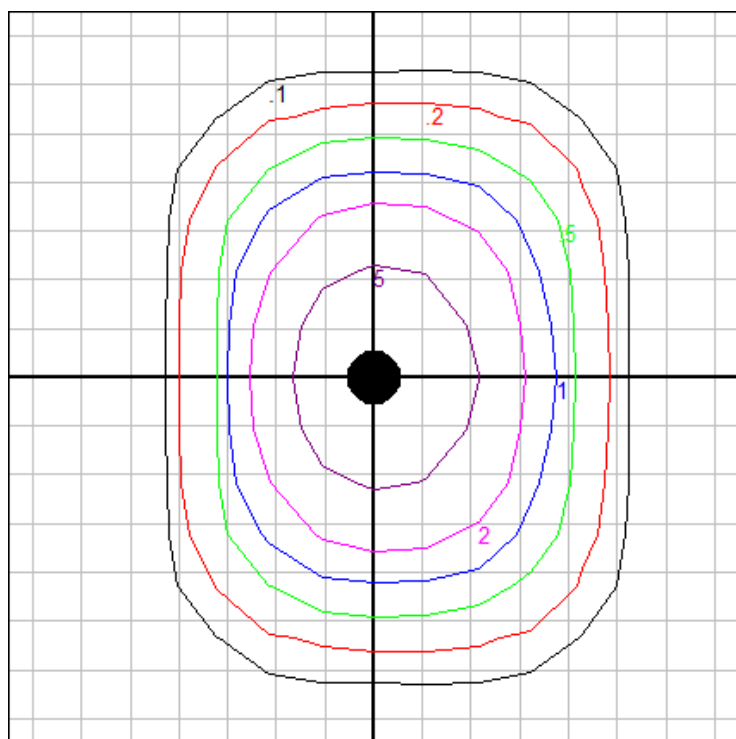
Characteristics

IES Classification	Type I
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	207
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	30
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	151.032 (0H, 5V)
Max. Cd. (<90 Vert.)	151.032 (0H, 5V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.393 (0.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	58.4	N.A.	28.1
FM (30-60)	56.0	N.A.	27.0
FH (60-80)	1.9	N.A.	0.9
FVH (80-90)	0.1	N.A.	0.0
BL (0-30)	51.9	N.A.	25.0
BM (30-60)	37.7	N.A.	18.2
BH (60-80)	1.4	N.A.	0.7
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	207.4	N.A.	100.0

BUG Rating B0-U0-G0

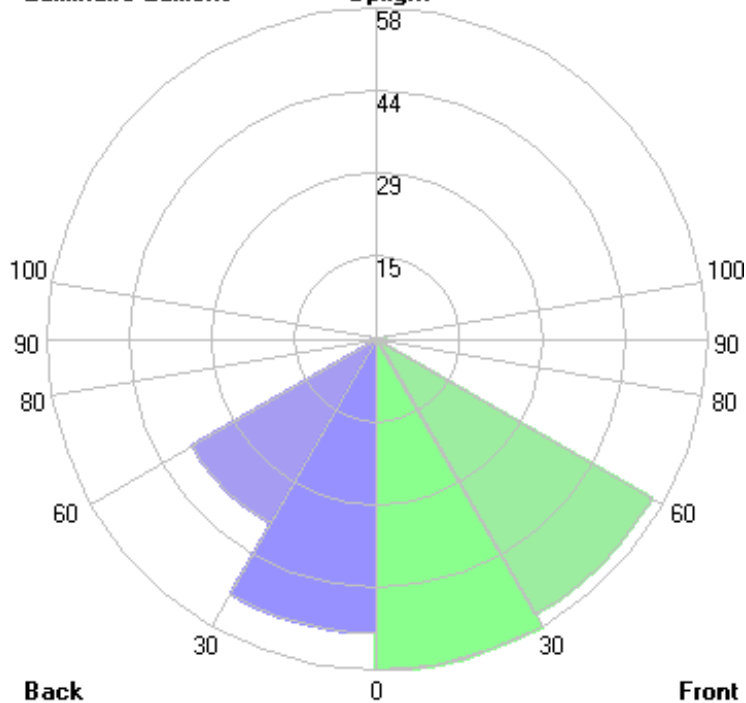


Mounting Height: 4 ft.

Grid Spacing: 1 ft.

Luminaire Lumens

Uplight



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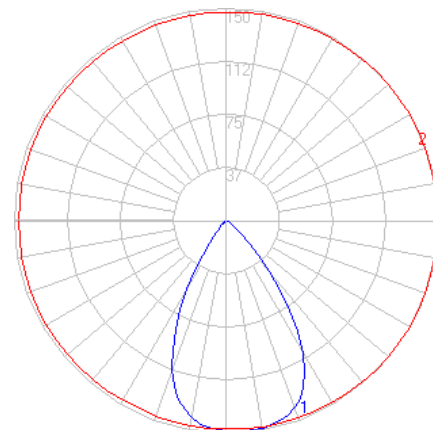
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BEGA

File: 33514K3_BEGA_IES.ies

TEST: BE_33514K4
TEST LAB: BEGA
DATE: 10/20/2020
LUMINAIRE: 33 514K3
LAMP: 3.0W LED



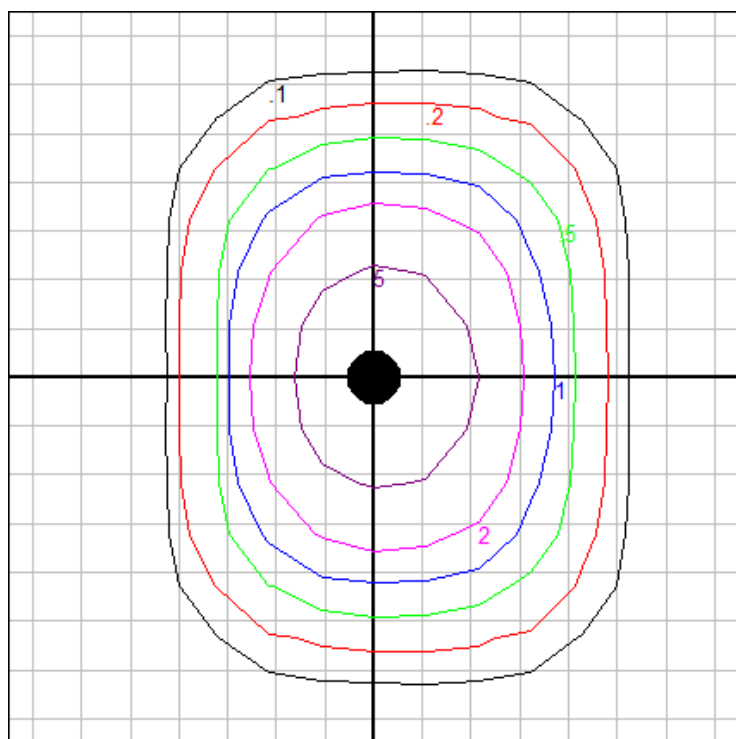
Characteristics

IES Classification	Type I
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	206
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	29
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	149.647 (0H, 5V)
Max. Cd. (<90 Vert.)	149.647 (0H, 5V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.389 (0.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	57.8	N.A.	28.1
FM (30-60)	55.5	N.A.	27.0
FH (60-80)	1.9	N.A.	0.9
FVH (80-90)	0.1	N.A.	0.0
BL (0-30)	51.4	N.A.	25.0
BM (30-60)	37.3	N.A.	18.2
BH (60-80)	1.4	N.A.	0.7
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	205.4	N.A.	100.0

BUG Rating B0-U0-G0

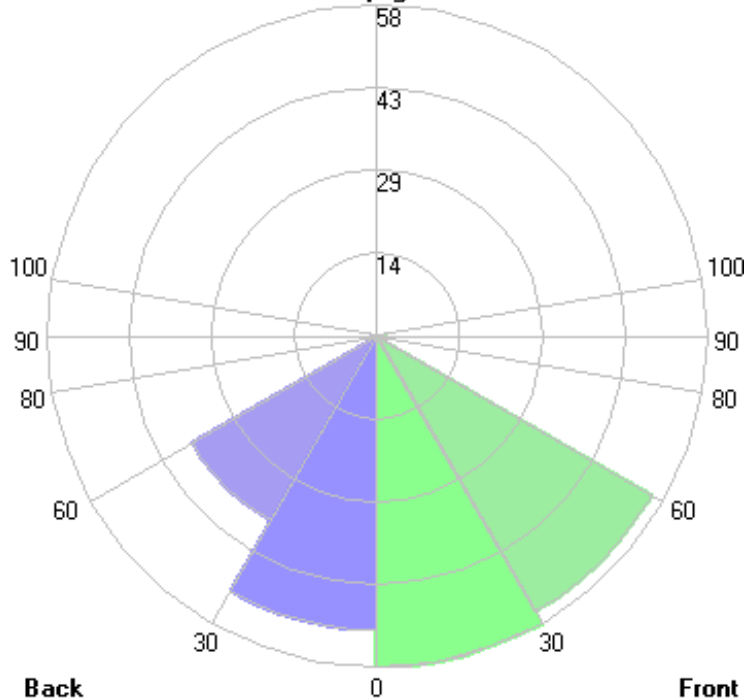


Mounting Height: 4 ft.

Grid Spacing: 1 ft.

Luminaire Lumens

Uplight



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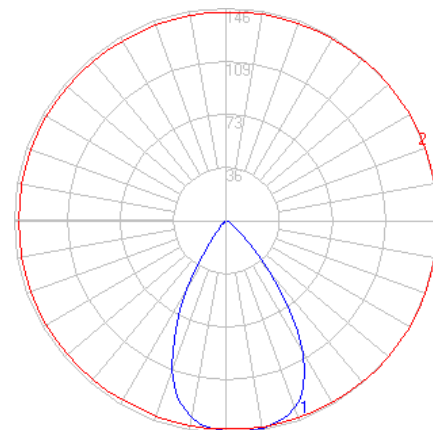
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File: 33514K27_BEGA_IES.ies

TEST: BE_33514K4
TEST LAB: BEGA
DATE: 10/20/2020
LUMINAIRE: 33 514K27
LAMP: 3.0W LED



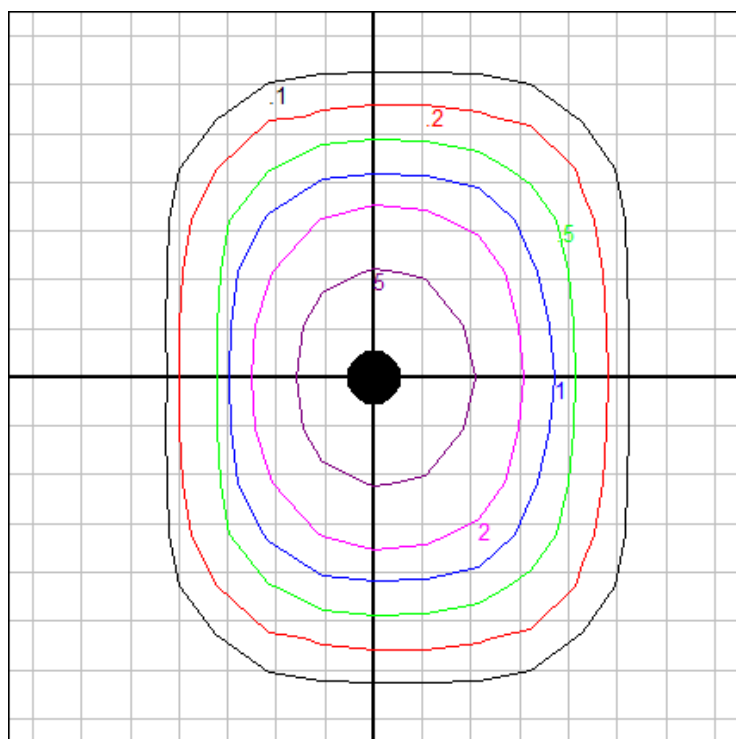
Characteristics

IES Classification	Type I
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	200
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	28
Total Luminaire Watts	7
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	145.649 (0H, 5V)
Max. Cd. (<90 Vert.)	145.649 (0H, 5V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.379 (0.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

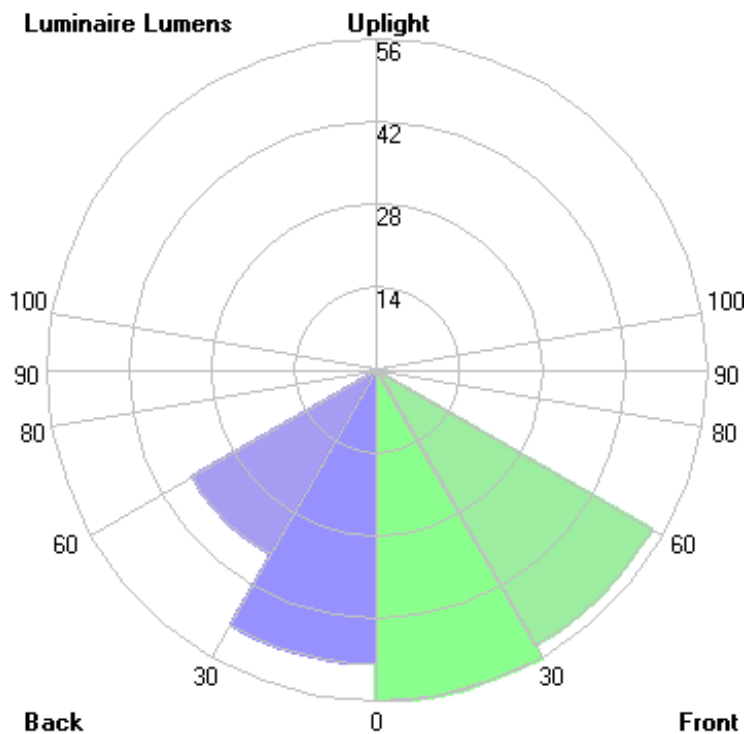
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	56.3	N.A.	28.1
FM (30-60)	54.0	N.A.	27.0
FH (60-80)	1.9	N.A.	0.9
FVH (80-90)	0.1	N.A.	0.0
BL (0-30)	50.2	N.A.	25.0
BM (30-60)	36.3	N.A.	18.2
BH (60-80)	1.3	N.A.	0.7
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	200.0	N.A.	100.0

BUG Rating B0-U0-G0



Luminaire Lumens



Mounting Height: 4 ft.

Grid Spacing: 1 ft.

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