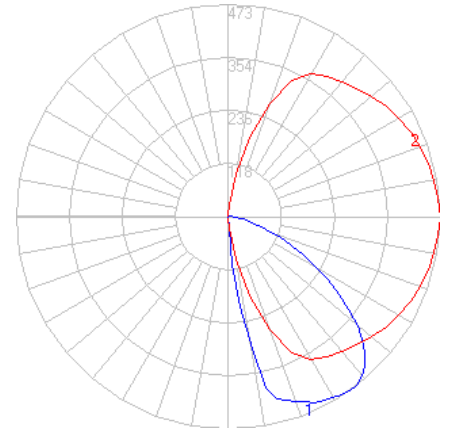


BEGA

File: 24152K4_BEGA_IES.ies

TEST: BE_24152K4
TEST LAB: BEGA
DATE: 07/11/2017
LUMINAIRE: 24 152K4
LAMP: 7.7W LED



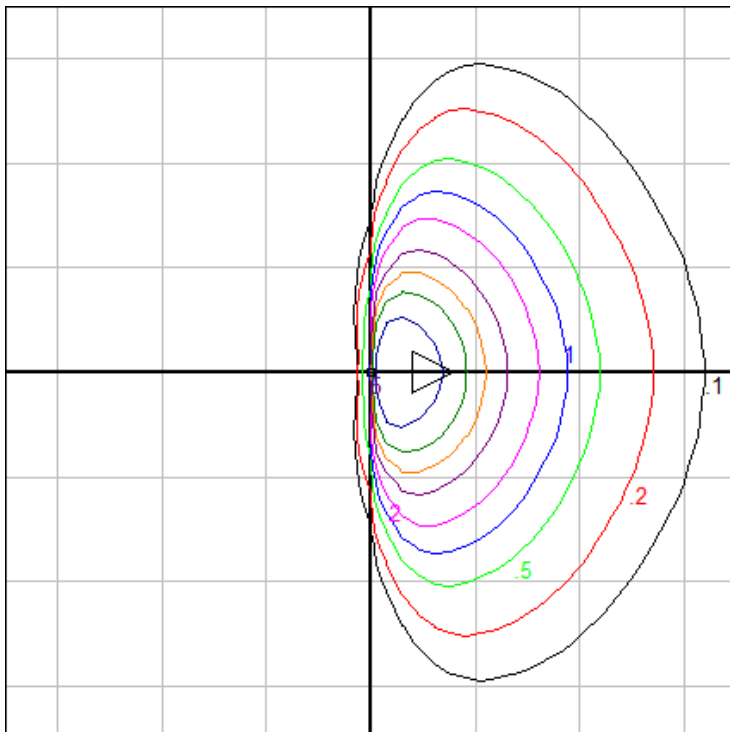
Characteristics

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	565
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	51
Total Luminaire Watts	11
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Max. Cd.	472.5 (0H, 32.5V)
Max. Cd. (<90 Vert.)	472.5 (0H, 32.5V)
Max. Cd. (At 90 Deg. Vert.)	10.9 (1.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	34 (6.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	118.4	N.A.	21.0
FM (30-60)	336.3	N.A.	59.5
FH (60-80)	96.2	N.A.	17.0
FVH (80-90)	7.7	N.A.	1.4
BL (0-30)	0.2	N.A.	0.0
BM (30-60)	0.4	N.A.	0.1
BH (60-80)	0.2	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	2.2	N.A.	0.4
UH (100-180)	3.4	N.A.	0.6
Total	565.0	N.A.	100.0

BUG Rating B0-U1-G0

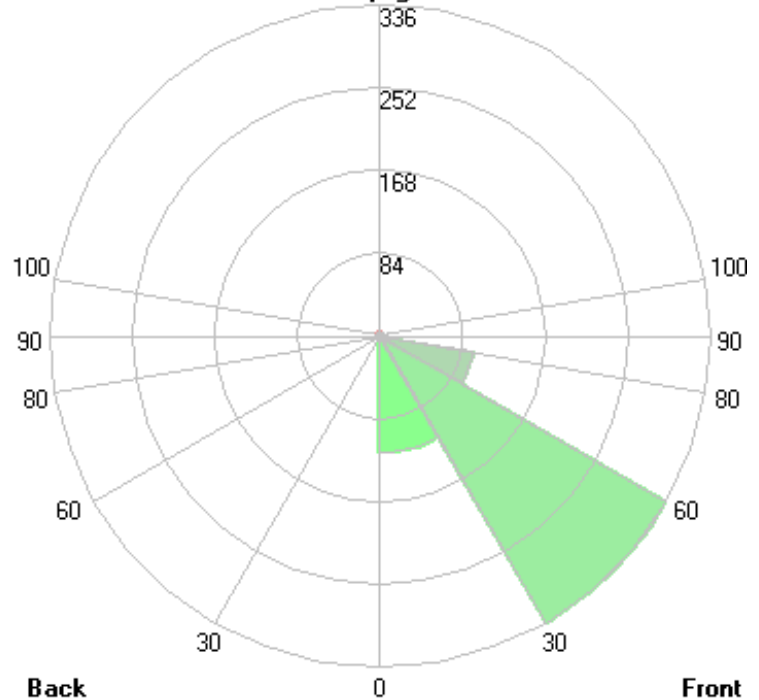


Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.

Luminaire Lumens

Uplight



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

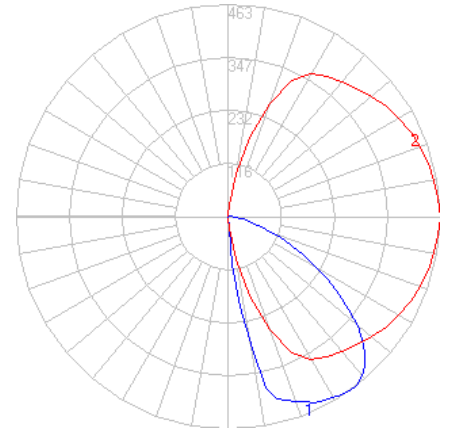
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BEGA

File: 24152K35_BEGA_IES.ies

TEST: BE_24152K4
TEST LAB: BEGA
DATE: 07/11/2017
LUMINAIRE: 24 152K35
LAMP: 7.7W LED



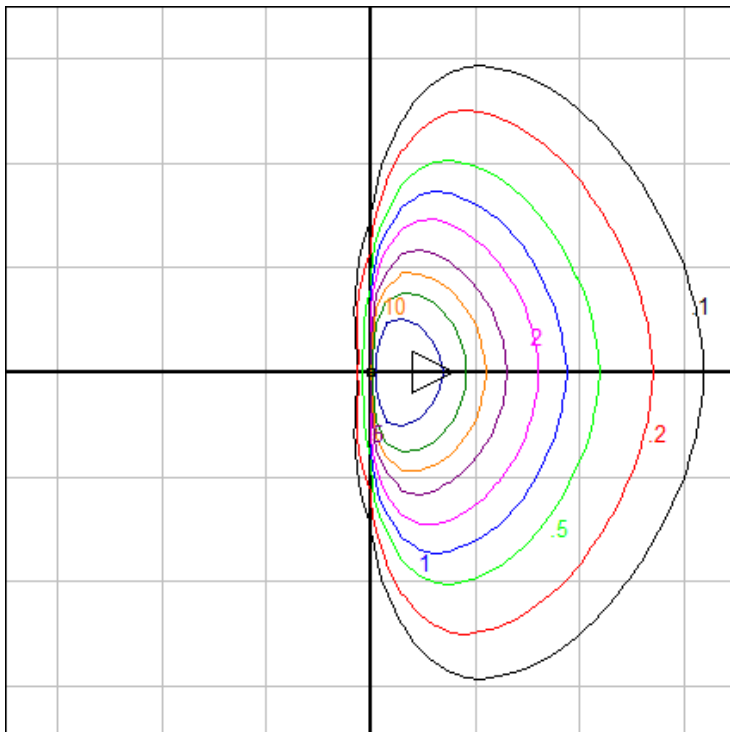
Characteristics

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	554
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	11
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Max. Cd.	463.05 (0H, 32.5V)
Max. Cd. (<90 Vert.)	463.05 (0H, 32.5V)
Max. Cd. (At 90 Deg. Vert.)	10.682 (1.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	33.32 (6.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

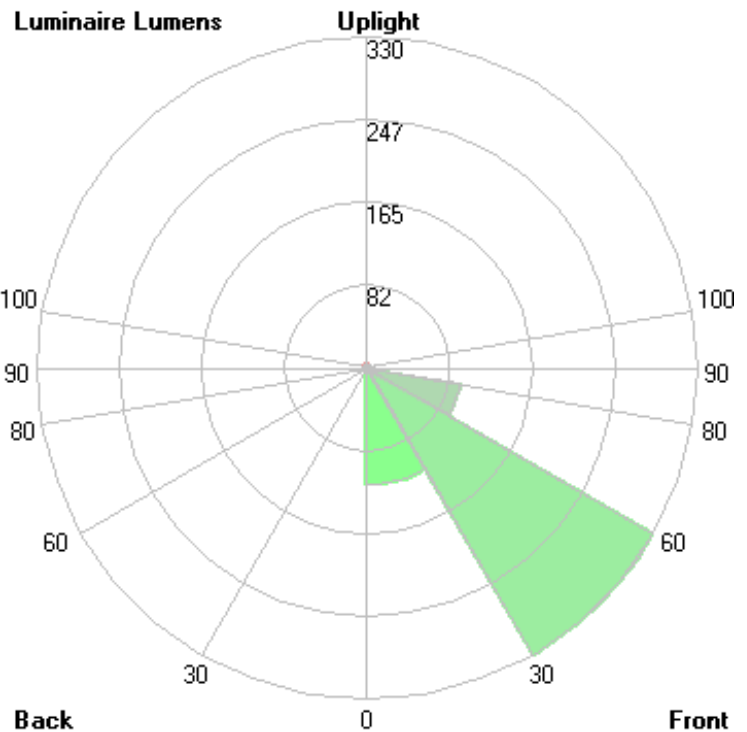
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	116.0	N.A.	21.0
FM (30-60)	329.5	N.A.	59.5
FH (60-80)	94.2	N.A.	17.0
FVH (80-90)	7.6	N.A.	1.4
BL (0-30)	0.2	N.A.	0.0
BM (30-60)	0.4	N.A.	0.1
BH (60-80)	0.2	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	2.1	N.A.	0.4
UH (100-180)	3.3	N.A.	0.6
Total	553.5	N.A.	100.0

BUG Rating B0-U1-G0



Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.



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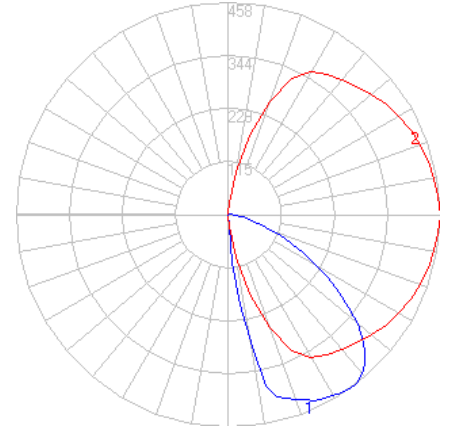
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File: 24152K3_BEGA_IES.ies

TEST: BE_24152K4
TEST LAB: BEGA
DATE: 07/11/2017
LUMINAIRE: 24 152K3
LAMP: 7.7W LED



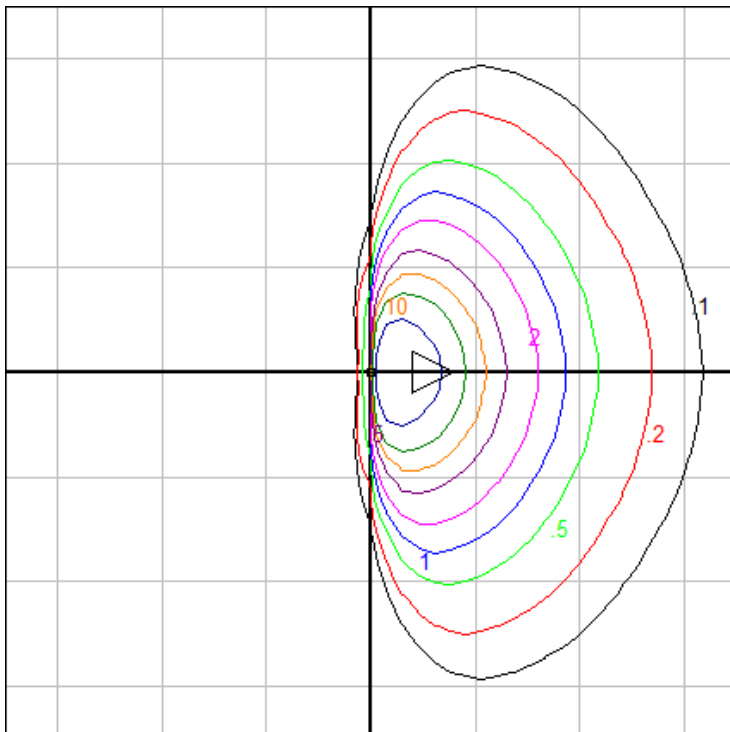
Characteristics

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	548
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	50
Total Luminaire Watts	11
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Max. Cd.	458.325 (0H, 32.5V)
Max. Cd. (<90 Vert.)	458.325 (0H, 32.5V)
Max. Cd. (At 90 Deg. Vert.)	10.573 (1.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	32.98 (6.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

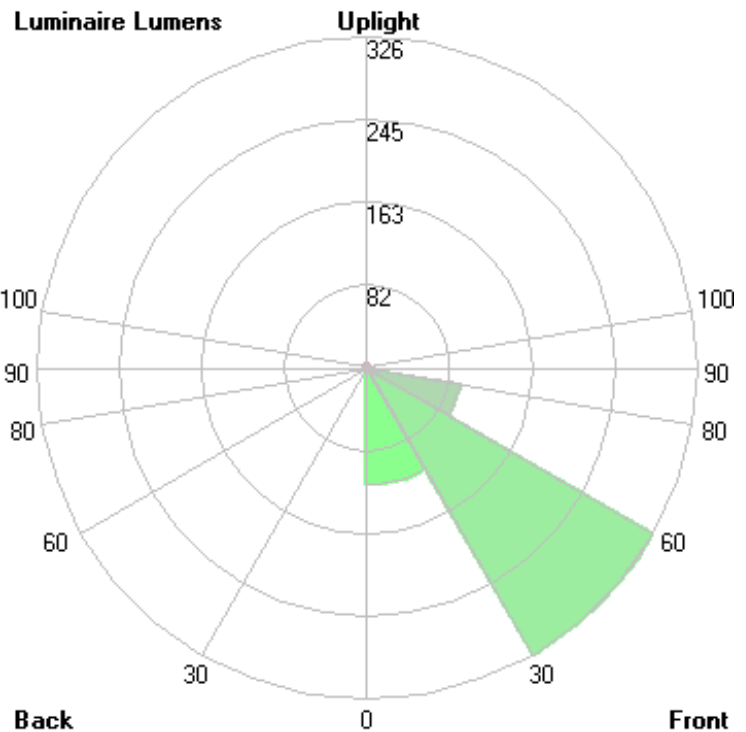
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	114.8	N.A.	21.0
FM (30-60)	326.2	N.A.	59.5
FH (60-80)	93.3	N.A.	17.0
FVH (80-90)	7.5	N.A.	1.4
BL (0-30)	0.2	N.A.	0.0
BM (30-60)	0.3	N.A.	0.1
BH (60-80)	0.2	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	2.1	N.A.	0.4
UH (100-180)	3.3	N.A.	0.6
Total	547.9	N.A.	100.0

BUG Rating B0-U1-G0



Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.



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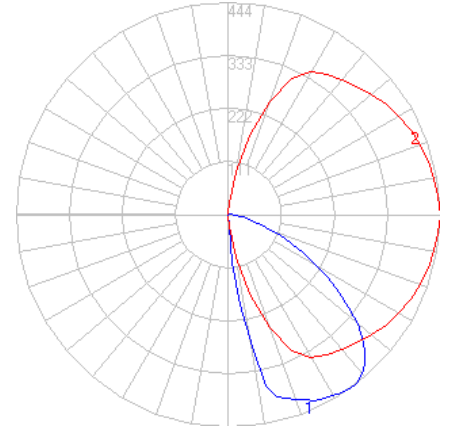
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File: 24152K27_BEGA_IES.ies

TEST: BE_24152K4
TEST LAB: BEGA
DATE: 07/11/2017
LUMINAIRE: 24 152K27
LAMP: 7.7W LED



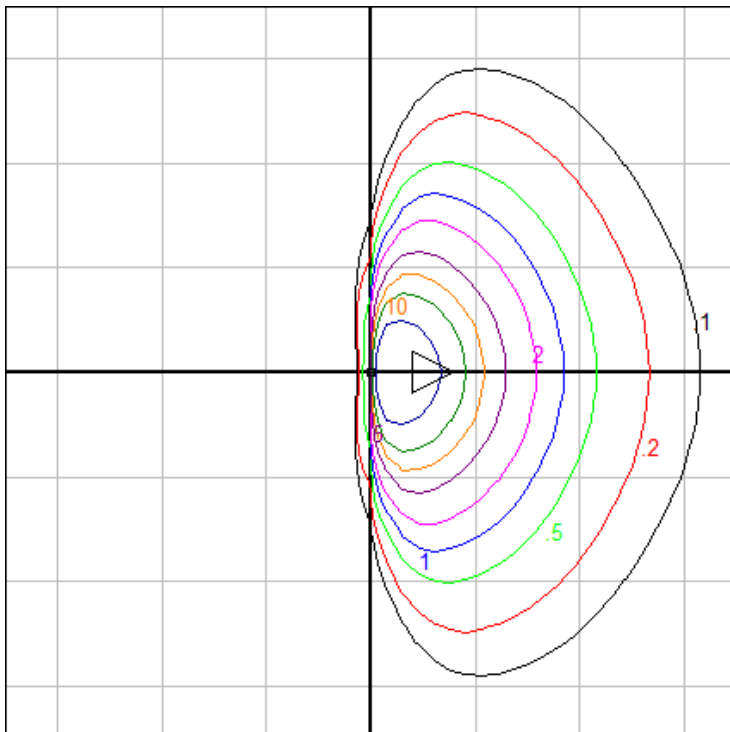
Characteristics

IES Classification	Type II
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	531
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	48
Total Luminaire Watts	11
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Max. Cd.	444.15 (0H, 32.5V)
Max. Cd. (<90 Vert.)	444.15 (0H, 32.5V)
Max. Cd. (At 90 Deg. Vert.)	10.246 (1.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	31.96 (6.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	111.3	N.A.	21.0
FM (30-60)	316.1	N.A.	59.5
FH (60-80)	90.4	N.A.	17.0
FVH (80-90)	7.3	N.A.	1.4
BL (0-30)	0.2	N.A.	0.0
BM (30-60)	0.3	N.A.	0.1
BH (60-80)	0.2	N.A.	0.0
BVH (80-90)	< 0.05	N.A.	0.0
UL (90-100)	2.0	N.A.	0.4
UH (100-180)	3.2	N.A.	0.6
Total	531.0	N.A.	100.0

BUG Rating B0-U1-G0

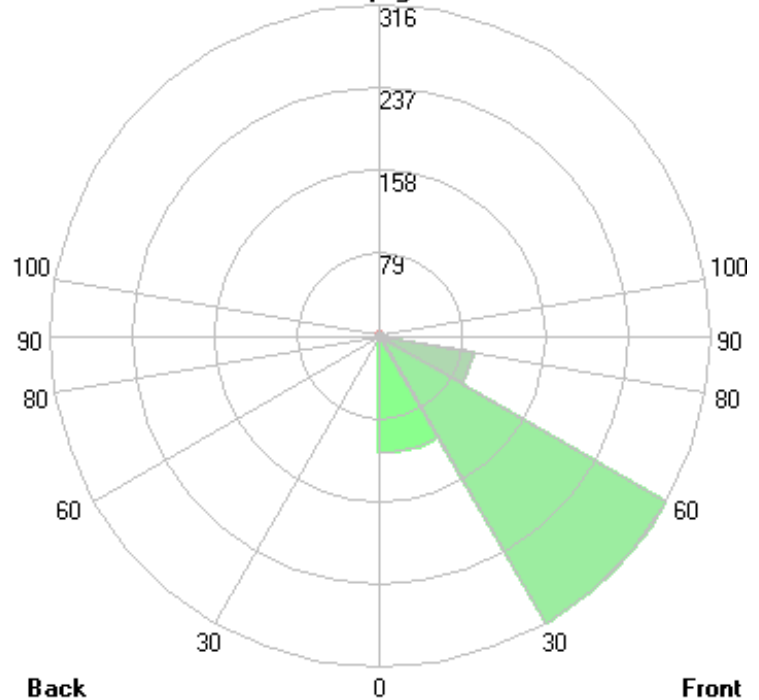


Mounting Height: 1.5 ft.

Grid Spacing: 2.5 ft.

Luminaire Lumens

Uplight



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