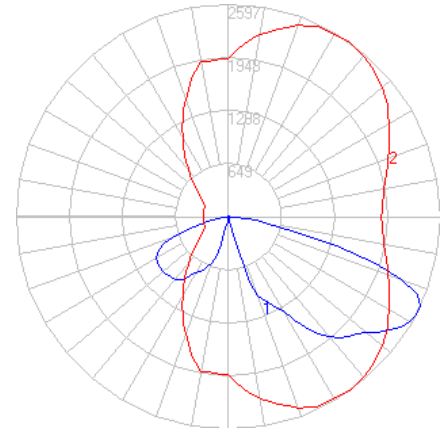


BEGA

File: 84102K4_BEGA_IES.ies

TEST: BE_84102K4
TEST LAB: BEGA
DATE: 09/01/2015
LUMINAIRE: 84102 K4
LAMP: 47.7W LED



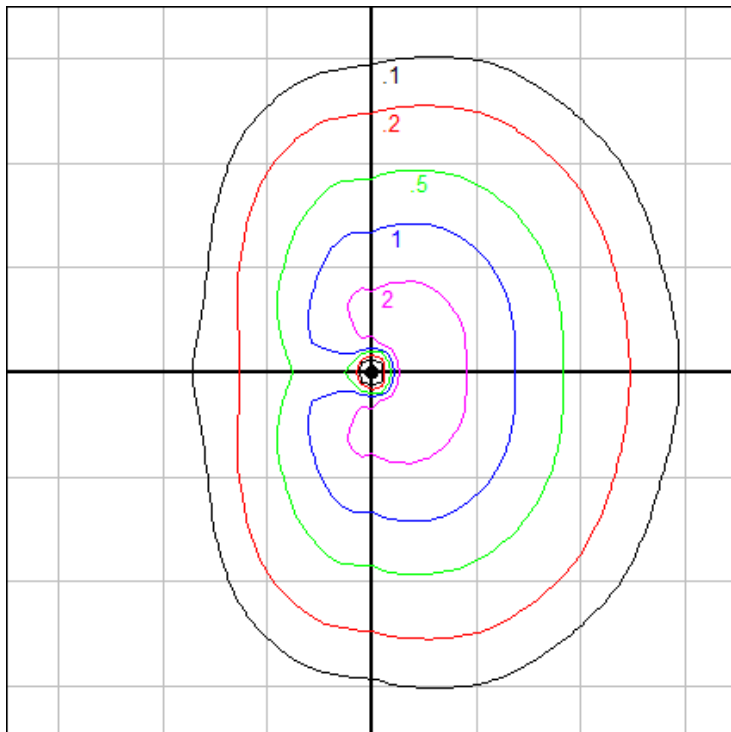
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6392
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2596.8 (305H, 65V)
Max. Cd. (<90 Vert.)	2596.8 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	10.6 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	559.1 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

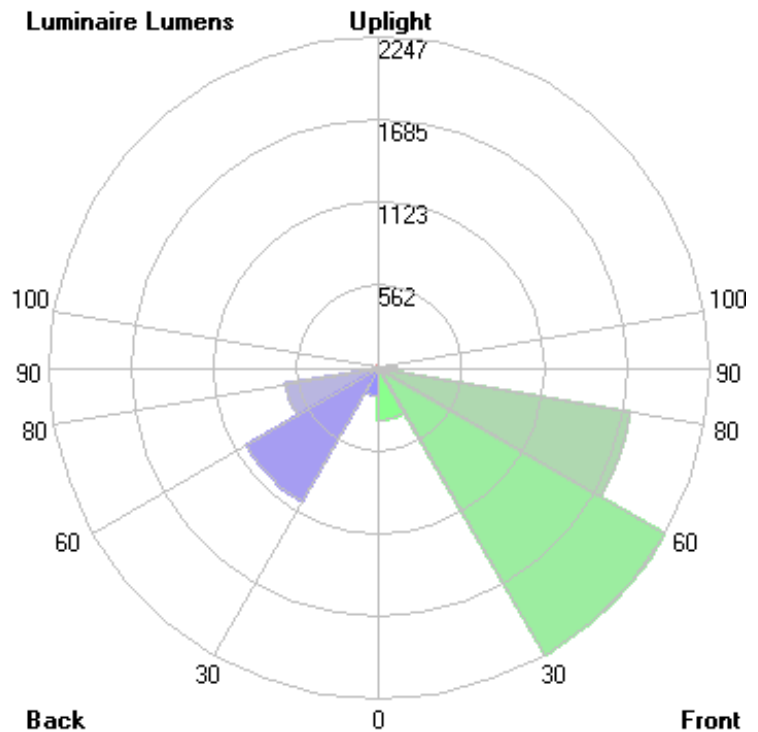
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	353.4	N.A.	5.5
FM (30-60)	2246.6	N.A.	35.1
FH (60-80)	1735.5	N.A.	27.2
FVH (80-90)	118.5	N.A.	1.9
BL (0-30)	188.5	N.A.	2.9
BM (30-60)	1043.1	N.A.	16.3
BH (60-80)	643.2	N.A.	10.1
BVH (80-90)	43.7	N.A.	0.7
UL (90-100)	6.0	N.A.	0.1
UH (100-180)	13.0	N.A.	0.2
Total	6391.5	N.A.	100.0

BUG Rating B2-U2-G2



Mounting Height: 18 ft.

Grid Spacing: 20 ft.



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

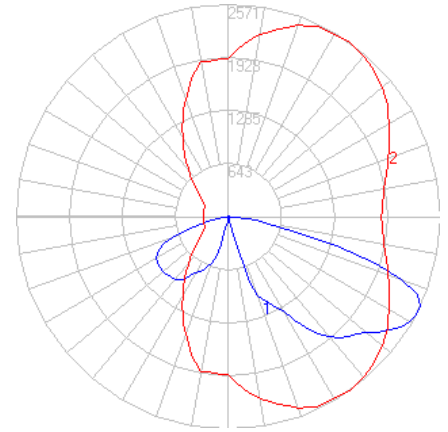
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BEGA

File: 84102K35_BEGA_IES.ies

TEST: BE_84102K4
TEST LAB: BEGA
DATE: 09/01/2015
LUMINAIRE: 84102 K35
LAMP: 47.7W LED



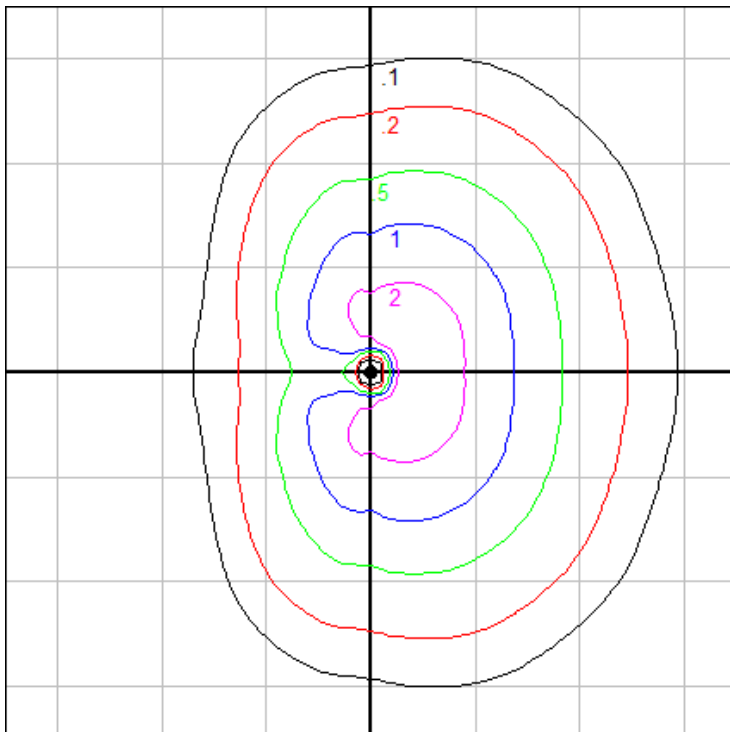
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6328
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	117
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2570.832 (305H, 65V)
Max. Cd. (<90 Vert.)	2570.832 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	10.494 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	553.509 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

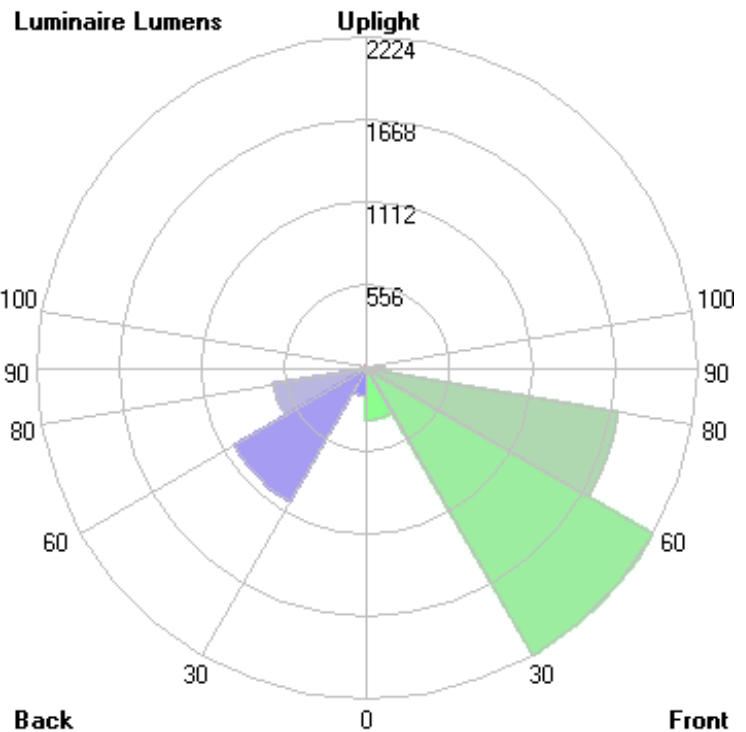
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	349.9	N.A.	5.5
FM (30-60)	2224.1	N.A.	35.2
FH (60-80)	1718.1	N.A.	27.2
FVH (80-90)	117.3	N.A.	1.9
BL (0-30)	186.6	N.A.	2.9
BM (30-60)	1032.6	N.A.	16.3
BH (60-80)	636.8	N.A.	10.1
BVH (80-90)	43.3	N.A.	0.7
UL (90-100)	5.9	N.A.	0.1
UH (100-180)	12.9	N.A.	0.2
Total	6327.5	N.A.	100.0

BUG Rating B2-U2-G2



Mounting Height: 18 ft.

Grid Spacing: 20 ft.



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

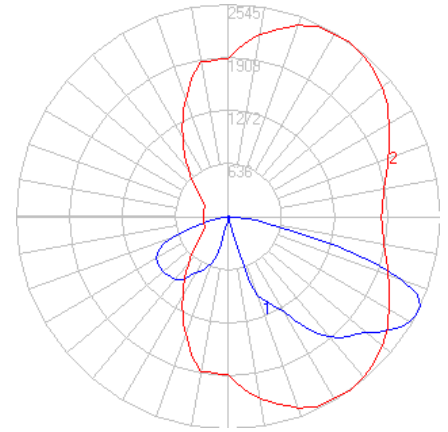
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BEGA

File: 84102K3_BEGA_IES.ies

TEST: BE_84102K4
TEST LAB: BEGA
DATE: 09/01/2015
LUMINAIRE: 84102 K3
LAMP: 47.7W LED



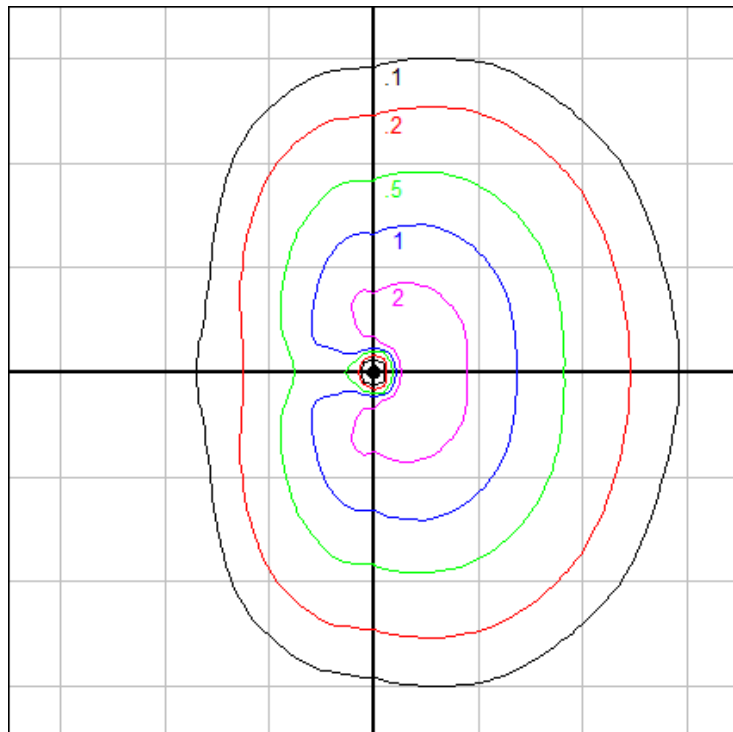
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6264
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2544.864 (305H, 65V)
Max. Cd. (<90 Vert.)	2544.864 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	10.388 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	547.918 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

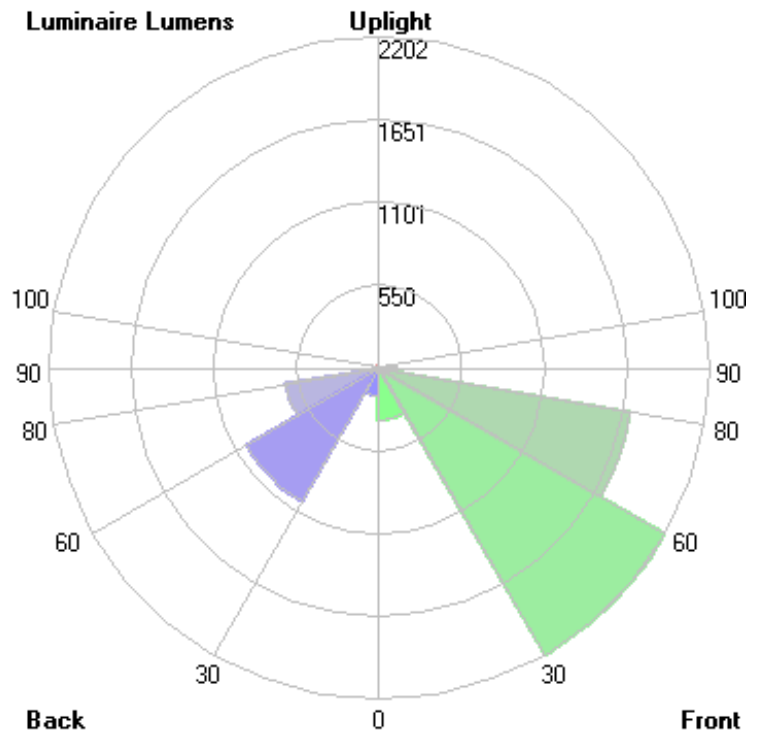
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	346.3	N.A.	5.5
FM (30-60)	2201.7	N.A.	35.1
FH (60-80)	1700.8	N.A.	27.2
FVH (80-90)	116.2	N.A.	1.9
BL (0-30)	184.7	N.A.	2.9
BM (30-60)	1022.2	N.A.	16.3
BH (60-80)	630.4	N.A.	10.1
BVH (80-90)	42.9	N.A.	0.7
UL (90-100)	5.8	N.A.	0.1
UH (100-180)	12.8	N.A.	0.2
Total	6263.8	N.A.	100.0

BUG Rating B2-U2-G2



Mounting Height: 18 ft.

Grid Spacing: 20 ft.



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

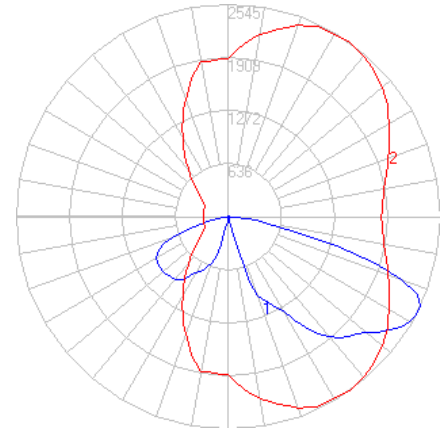
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BEGA

File: 84102K27_BEGA_IES.ies

TEST: BE_84102K4
TEST LAB: BEGA
DATE: 09/01/2015
LUMINAIRE: 84102 K27
LAMP: 47.7W LED



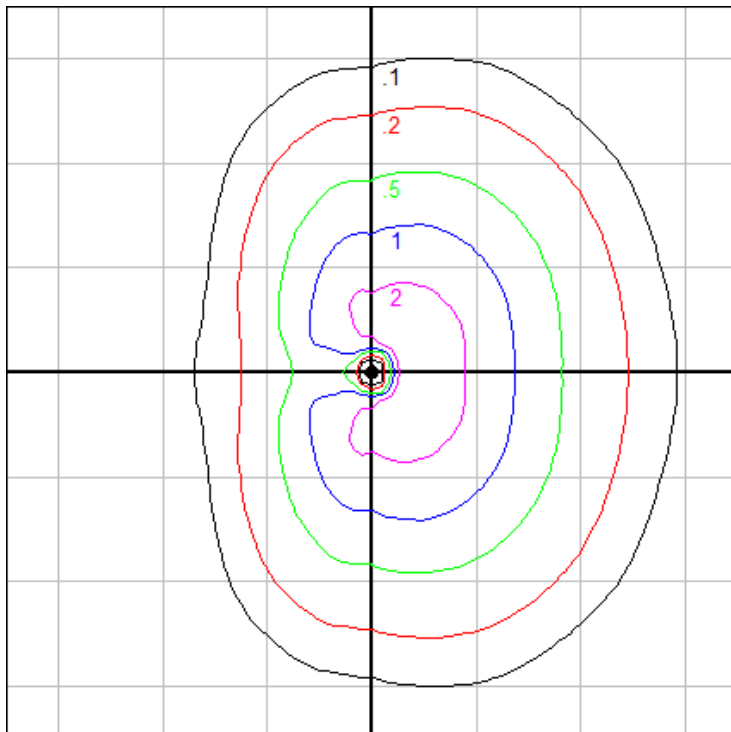
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6264
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2544.864 (305H, 65V)
Max. Cd. (<90 Vert.)	2544.864 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	10.388 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	547.918 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	346.3	N.A.	5.5
FM (30-60)	2201.7	N.A.	35.1
FH (60-80)	1700.8	N.A.	27.2
FVH (80-90)	116.2	N.A.	1.9
BL (0-30)	184.7	N.A.	2.9
BM (30-60)	1022.2	N.A.	16.3
BH (60-80)	630.4	N.A.	10.1
BVH (80-90)	42.9	N.A.	0.7
UL (90-100)	5.8	N.A.	0.1
UH (100-180)	12.8	N.A.	0.2
Total	6263.8	N.A.	100.0

BUG Rating B2-U2-G2

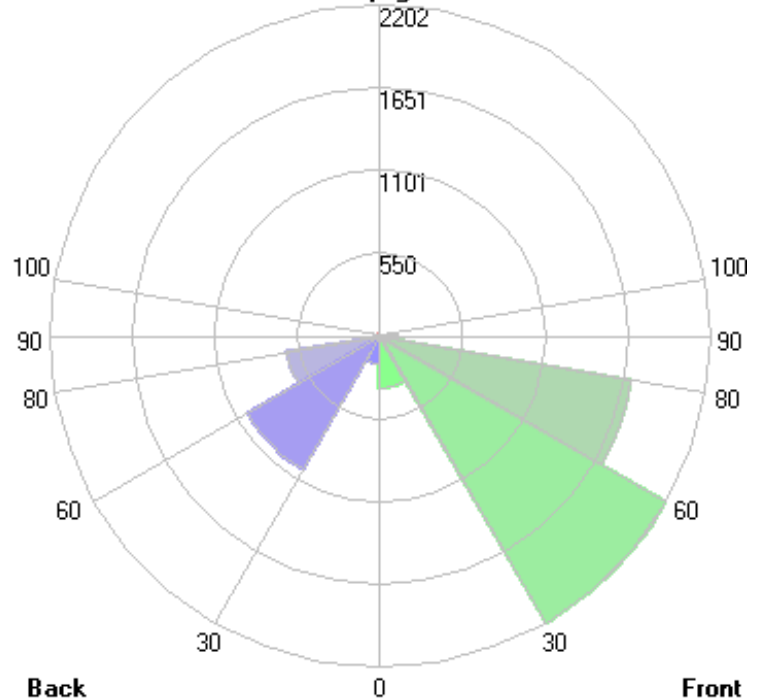


Mounting Height: 18 ft.

Grid Spacing: 20 ft.

Luminaire Lumens

Uplight



Back

0

Front

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