

BEGA

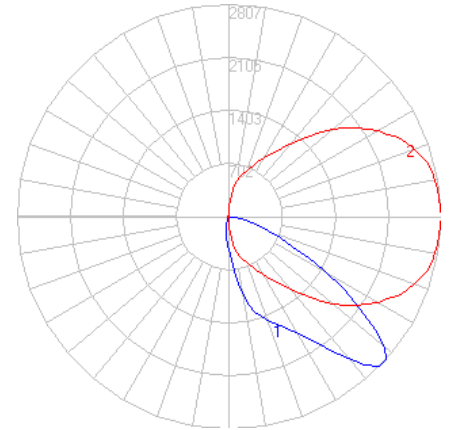
File: 84104K4_BEGA_IES.ies

TEST: BE_84103K4
TEST LAB: BEGA
DATE: 04/03/2018
LUMINAIRE: 84 104K4
LAMP: 38.8W LED

*Report based on single IES file, see below for twin head iso-footcandle template

Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2661
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2806.8 (360H, 47.5V)
Max. Cd. (<90 Vert.)	2806.8 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	1 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	158.3 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

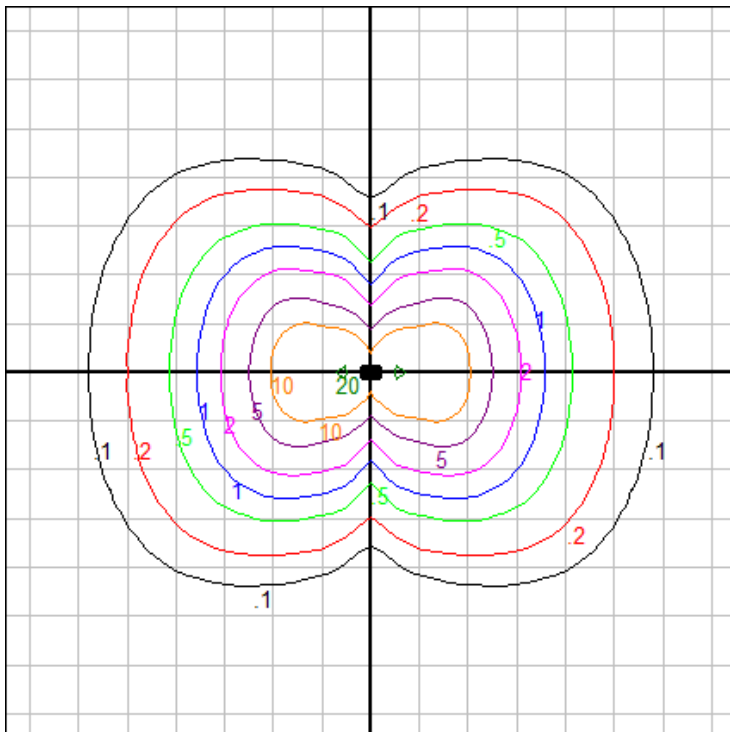


Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	444.7	N.A.	16.7
FM (30-60)	1586.9	N.A.	59.6
FH (60-80)	467.3	N.A.	17.6
FVH (80-90)	21.7	N.A.	0.8
BL (0-30)	83.4	N.A.	3.1
BM (30-60)	47.1	N.A.	1.8
BH (60-80)	9.2	N.A.	0.3
BVH (80-90)	0.6	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2660.9	N.A.	100.0

BUG Rating B0-U0*-G1

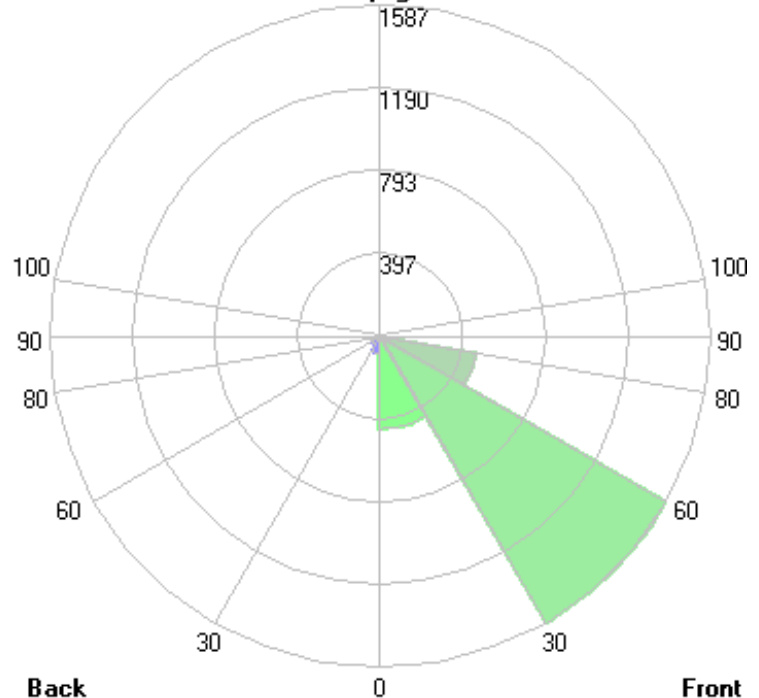
*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplight (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 5 ft.

Luminaire Lumens

Uplight



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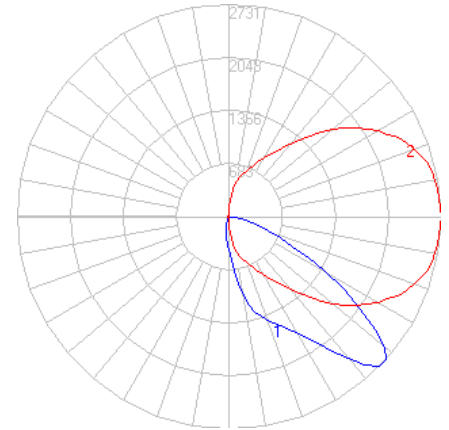
File: 84104K35_BEGA_IES.ies

TEST: BE_84103K4
TEST LAB: BEGA
DATE: 04/03/2018
LUMINAIRE: 84 104K35
LAMP: 38.8W LED

*Report based on single IES file, see below for twin head iso-footcandle template

Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2589
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2731.016 (360H, 47.5V)
Max. Cd. (<90 Vert.)	2731.016 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	.973 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	154.026 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

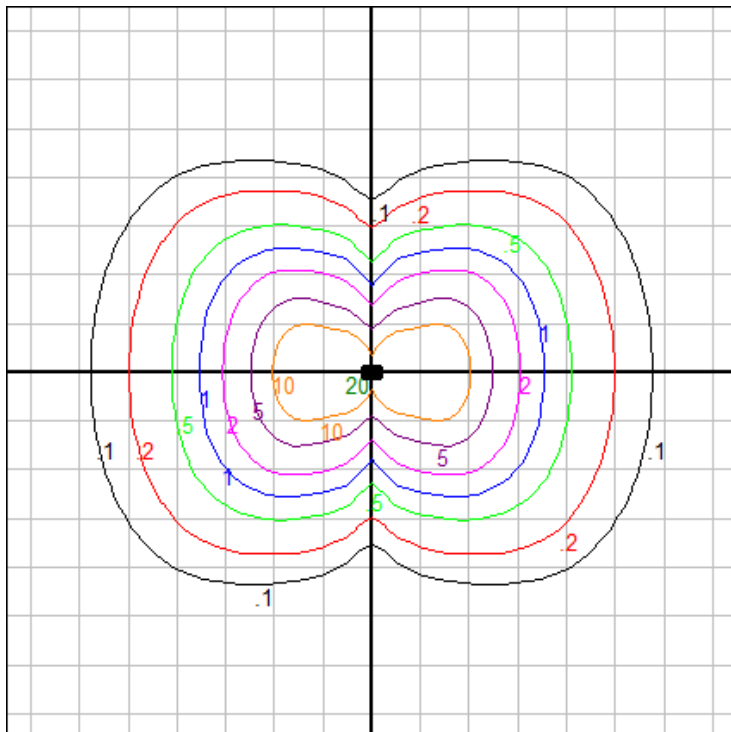


Lum. Classification System (LCS)

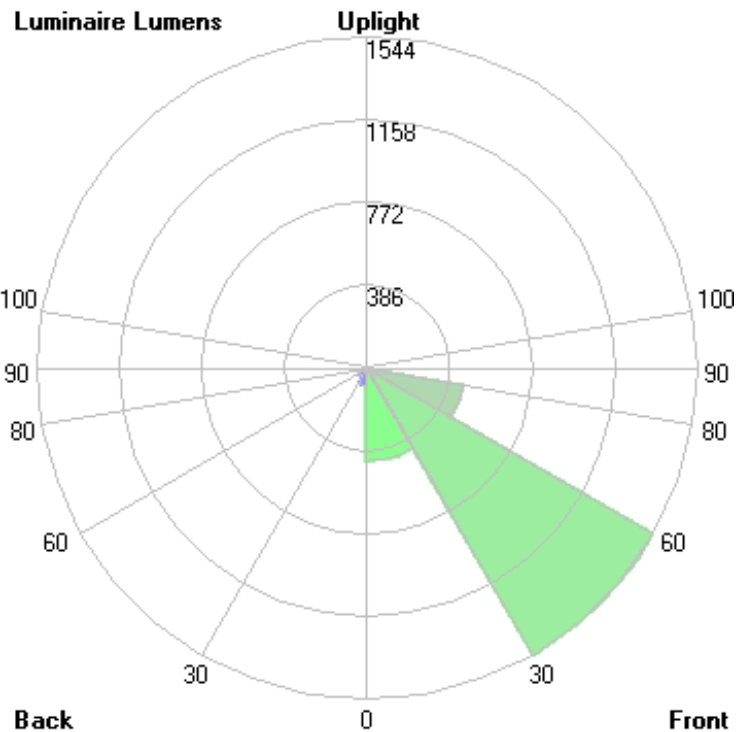
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	432.7	N.A.	16.7
FM (30-60)	1544.0	N.A.	59.6
FH (60-80)	454.6	N.A.	17.6
FVH (80-90)	21.1	N.A.	0.8
BL (0-30)	81.2	N.A.	3.1
BM (30-60)	45.8	N.A.	1.8
BH (60-80)	8.9	N.A.	0.3
BVH (80-90)	0.6	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2588.9	N.A.	100.0

BUG Rating B0-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information.



Grid Spacing: 5 ft.



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

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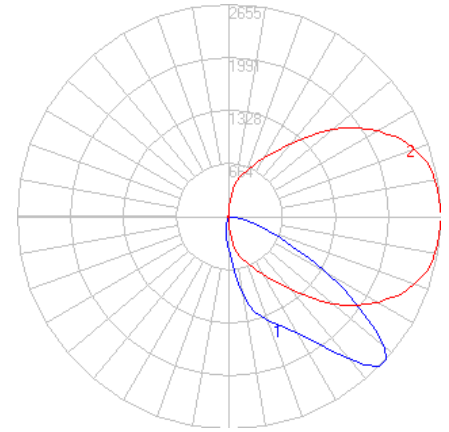
File: 84104K3_BEGA_IES.ies

TEST: BE_84103K4
TEST LAB: BEGA
DATE: 04/03/2018
LUMINAIRE: 84 104K3
LAMP: 38.8W LED

*Report based on single IES file, see below for twin head iso-footcandle template

Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2517
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2655.233 (360H, 47.5V)
Max. Cd. (<90 Vert.)	2655.233 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	.946 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	149.752 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

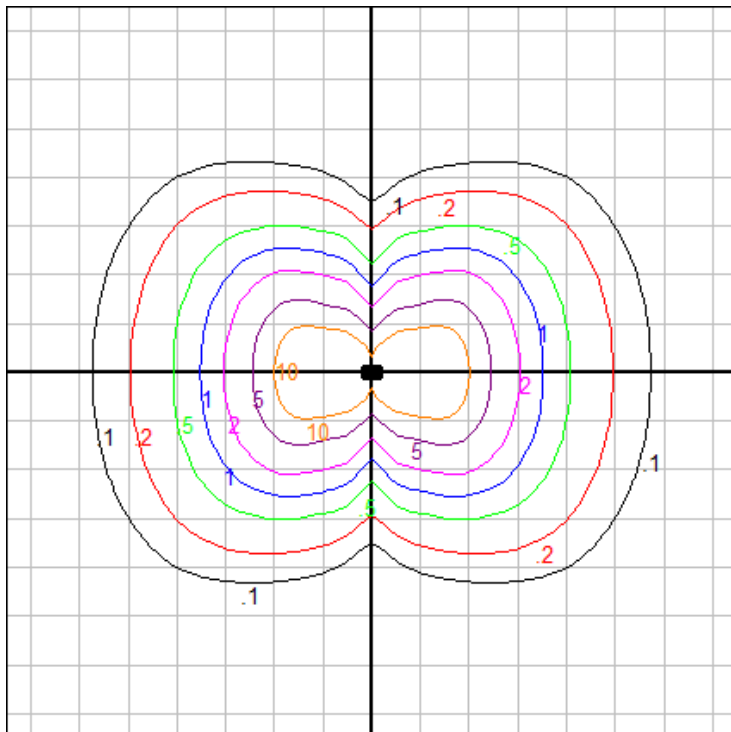


Lum. Classification System (LCS)

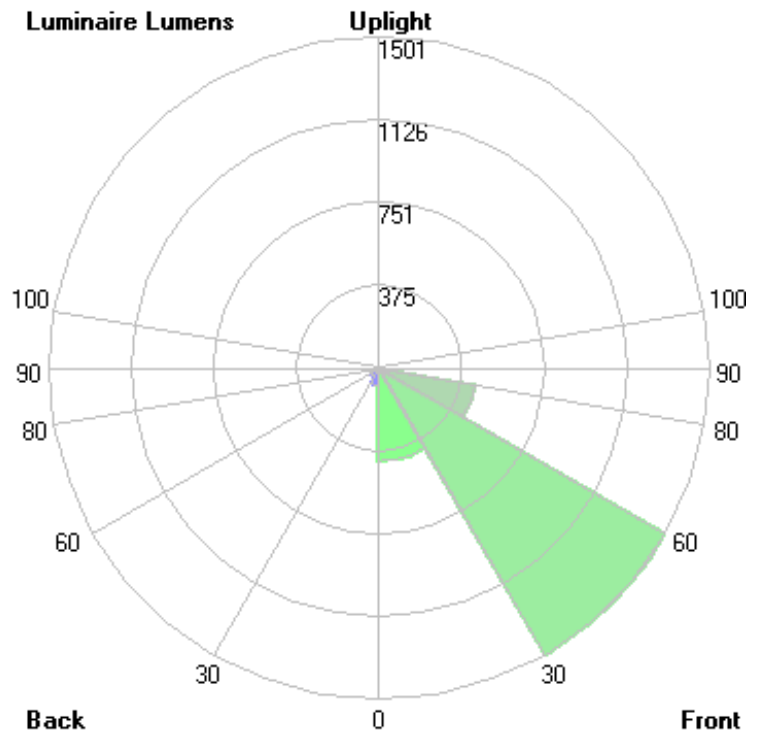
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	420.7	N.A.	16.7
FM (30-60)	1501.2	N.A.	59.6
FH (60-80)	442.0	N.A.	17.6
FVH (80-90)	20.5	N.A.	0.8
BL (0-30)	78.9	N.A.	3.1
BM (30-60)	44.5	N.A.	1.8
BH (60-80)	8.7	N.A.	0.3
BVH (80-90)	0.6	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2517.1	N.A.	100.0

BUG Rating B0-U0*-G1

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Grid Spacing: 5 ft.



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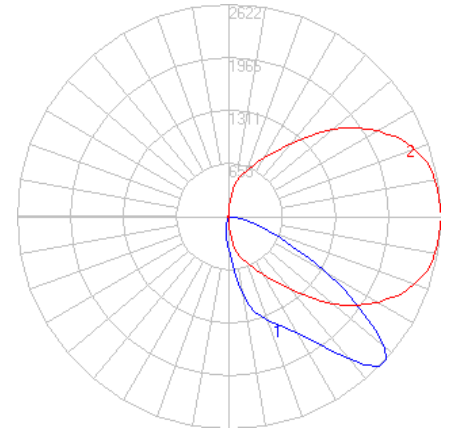
File: 84104K27_BEGA_IES.ies

TEST: BE_84103K4
TEST LAB: BEGA
DATE: 04/03/2018
LUMINAIRE: 84 104K27
LAMP: 38.8W LED

*Report based on single IES file, see below for twin head iso-footcandle template

Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2485
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2621.551 (360H, 47.5V)
Max. Cd. (<90 Vert.)	2621.551 (360H, 47.5V)
Max. Cd. (At 90 Deg. Vert.)	.934 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	147.852 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

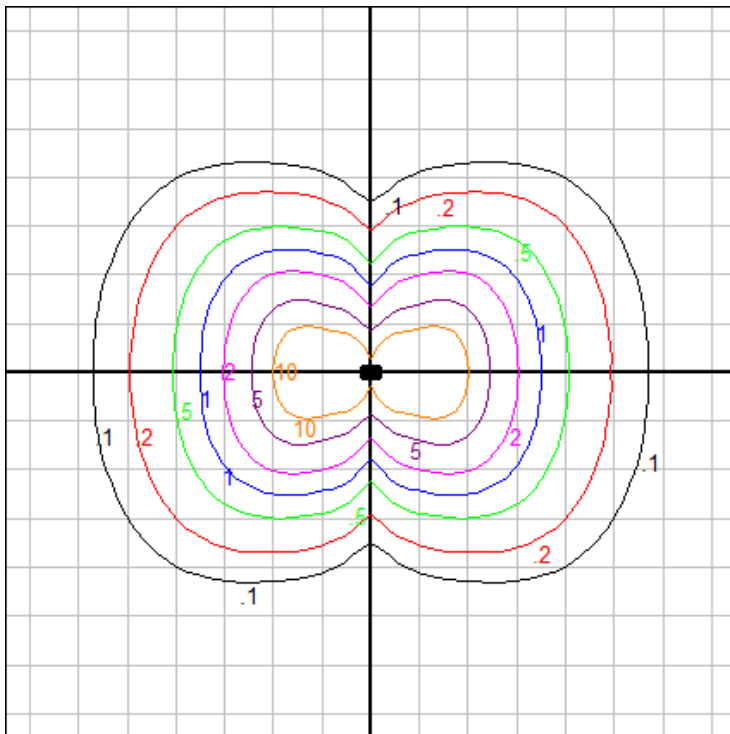


Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	415.3	N.A.	16.7
FM (30-60)	1482.1	N.A.	59.6
FH (60-80)	436.4	N.A.	17.6
FVH (80-90)	20.2	N.A.	0.8
BL (0-30)	77.9	N.A.	3.1
BM (30-60)	44.0	N.A.	1.8
BH (60-80)	8.6	N.A.	0.3
BVH (80-90)	0.6	N.A.	0.0
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2485.1	N.A.	100.0

BUG Rating B0-U0*-G1

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Grid Spacing: 5 ft.

