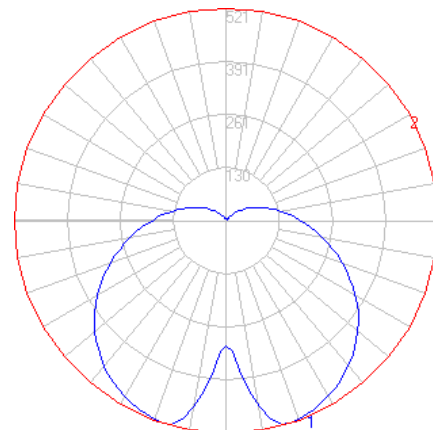


BEGA

File: 84737K4_BEGA_IES.ies

TEST: BE_84737K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 737K4
LAMP: 23.2W LED



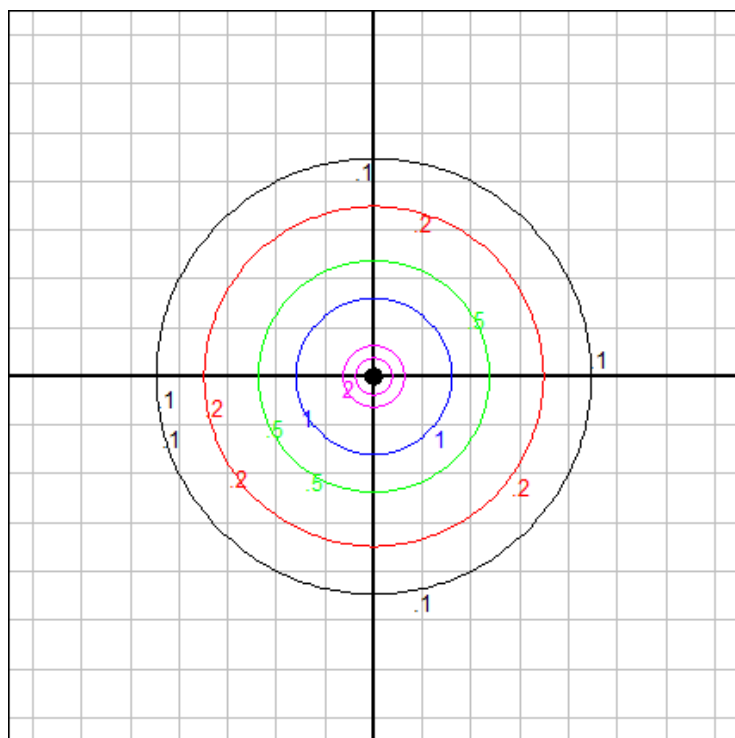
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2704
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	90
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.16
Max. Cd.	521.2 (0H, 17.5V)
Max. Cd. (<90 Vert.)	521.2 (0H, 17.5V)
Max. Cd. (At 90 Deg. Vert.)	182.8 (6.8%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	240.7 (8.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

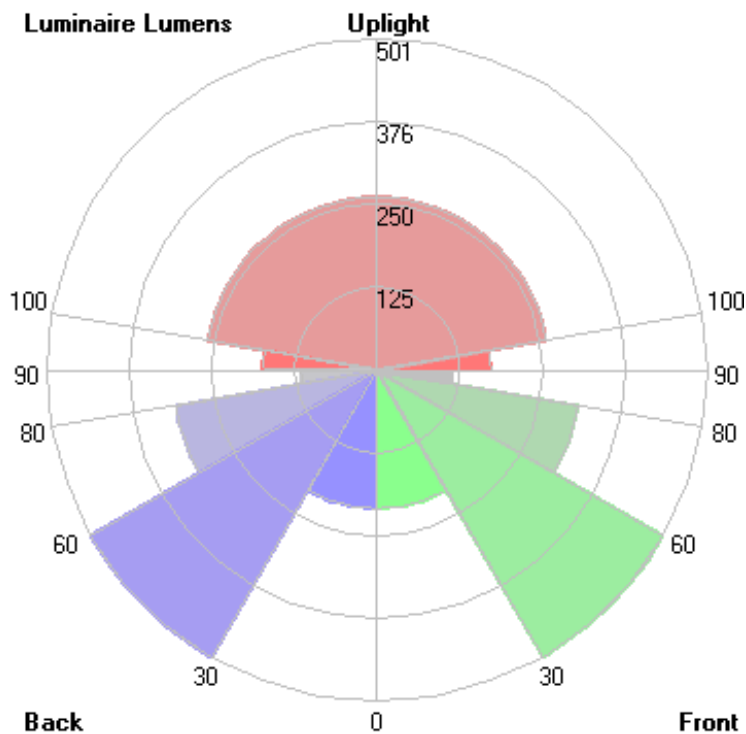
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	209.5	N.A.	7.7
FM (30-60)	500.8	N.A.	18.5
FH (60-80)	309.9	N.A.	11.5
FVH (80-90)	115.3	N.A.	4.3
BL (0-30)	209.5	N.A.	7.7
BM (30-60)	500.8	N.A.	18.5
BH (60-80)	309.9	N.A.	11.5
BVH (80-90)	115.3	N.A.	4.3
UL (90-100)	172.4	N.A.	6.4
UH (100-180)	260.3	N.A.	9.6
Total	2703.7	N.A.	100.0

BUG Rating B1-U3-G2



Shown on pole 84709 (180-3/8" OAH) | Grid Spacing: 7.5 ft.



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

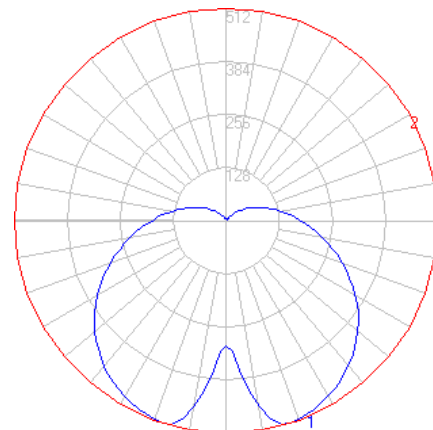
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File: 84737K35_BEGA_IES.ies

TEST: BE_84737K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 737K35
LAMP: 23.2W LED



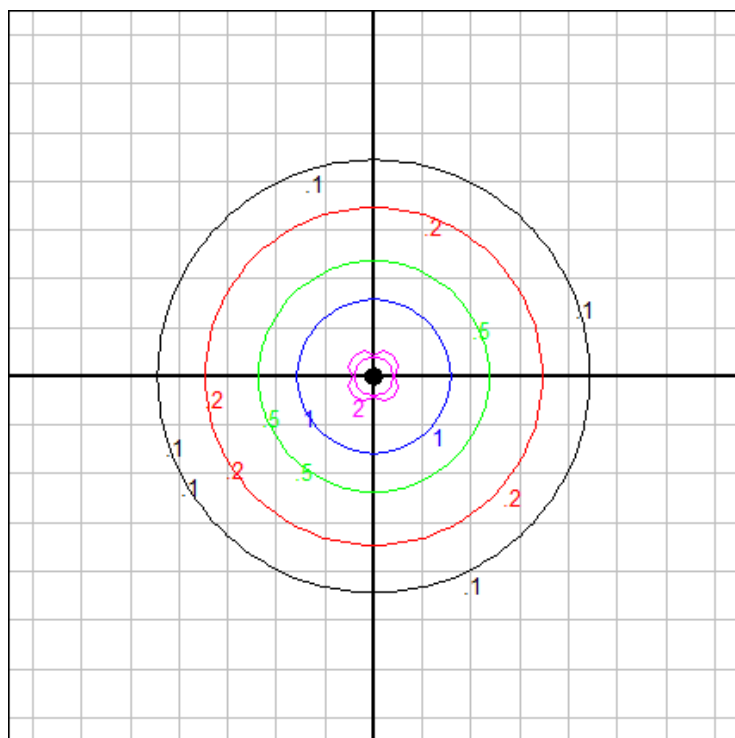
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2658
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.16
Max. Cd.	512.34 (0H, 17.5V)
Max. Cd. (<90 Vert.)	512.34 (0H, 17.5V)
Max. Cd. (At 90 Deg. Vert.)	179.692 (6.8%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	236.608 (8.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

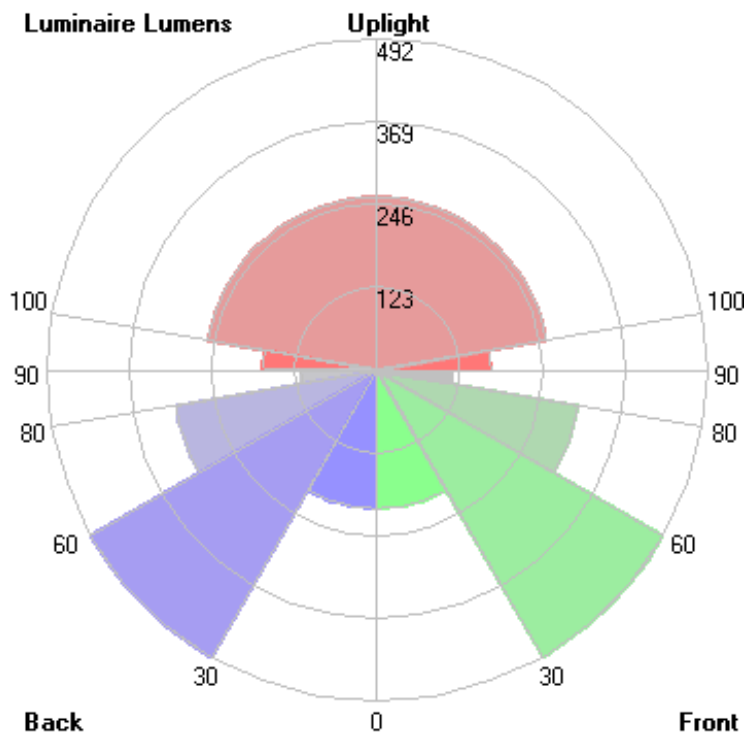
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	206.0	N.A.	7.7
FM (30-60)	492.3	N.A.	18.5
FH (60-80)	304.6	N.A.	11.5
FVH (80-90)	113.3	N.A.	4.3
BL (0-30)	206.0	N.A.	7.7
BM (30-60)	492.3	N.A.	18.5
BH (60-80)	304.6	N.A.	11.5
BVH (80-90)	113.3	N.A.	4.3
UL (90-100)	169.5	N.A.	6.4
UH (100-180)	255.9	N.A.	9.6
Total	2657.8	N.A.	100.0

BUG Rating B1-U3-G2



Shown on pole 84709 (180-3/8" OAH) | Grid Spacing: 7.5 ft.



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

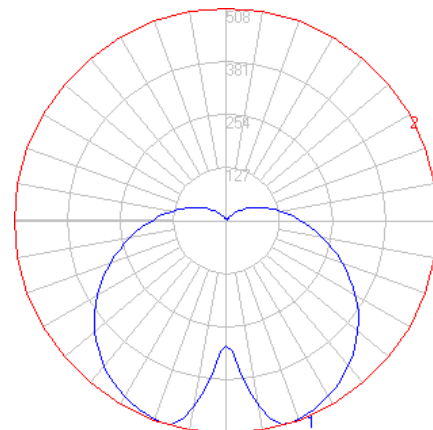
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File: 84737K3_BEGA_IES.ies

TEST: BE_84737K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 737K3
LAMP: 23.2W LED



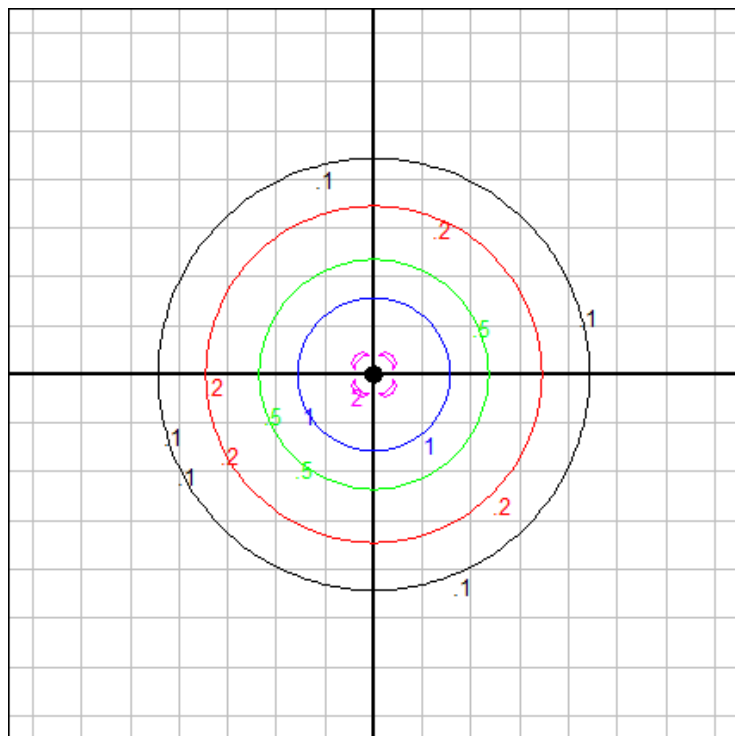
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2634
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.16
Max. Cd.	507.649 (0H, 17.5V)
Max. Cd. (<90 Vert.)	507.649 (0H, 17.5V)
Max. Cd. (At 90 Deg. Vert.)	178.047 (6.8%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	234.442 (8.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

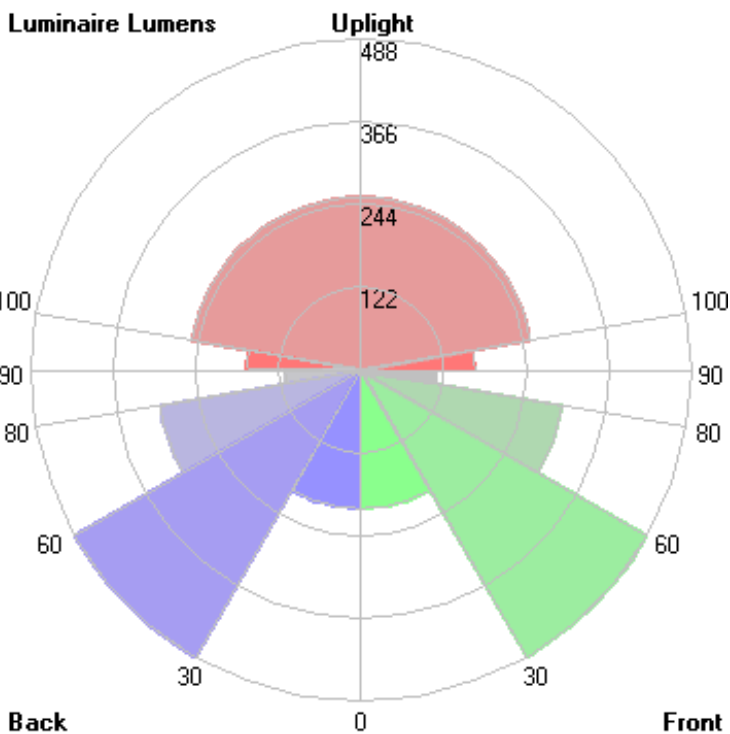
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	204.1	N.A.	7.7
FM (30-60)	487.8	N.A.	18.5
FH (60-80)	301.8	N.A.	11.5
FVH (80-90)	112.3	N.A.	4.3
BL (0-30)	204.1	N.A.	7.7
BM (30-60)	487.8	N.A.	18.5
BH (60-80)	301.8	N.A.	11.5
BVH (80-90)	112.3	N.A.	4.3
UL (90-100)	167.9	N.A.	6.4
UH (100-180)	253.6	N.A.	9.6
Total	2633.5	N.A.	100.0

BUG Rating B1-U3-G2



Shown on pole 84709 (180-3/8" OAH) | Grid Spacing: 7.5 ft.



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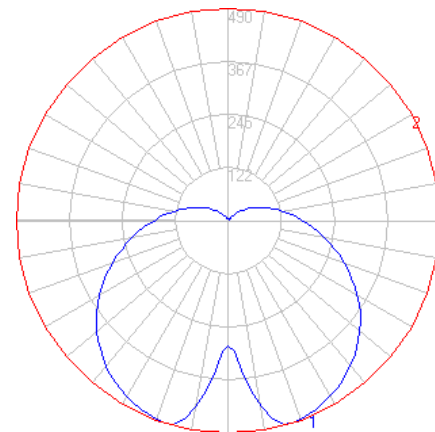
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File: 84737K27_BEGA_IES.ies

TEST: BE_84737K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 737K27
LAMP: 23.2W LED



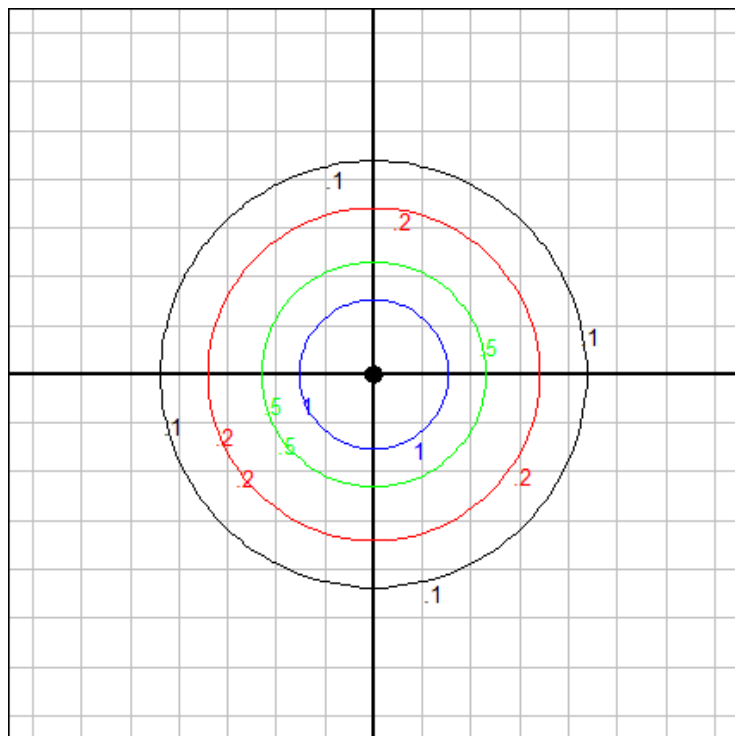
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2542
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.16
Max. Cd.	489.928 (0H, 17.5V)
Max. Cd. (<90 Vert.)	489.928 (0H, 17.5V)
Max. Cd. (At 90 Deg. Vert.)	171.832 (6.8%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	226.258 (8.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

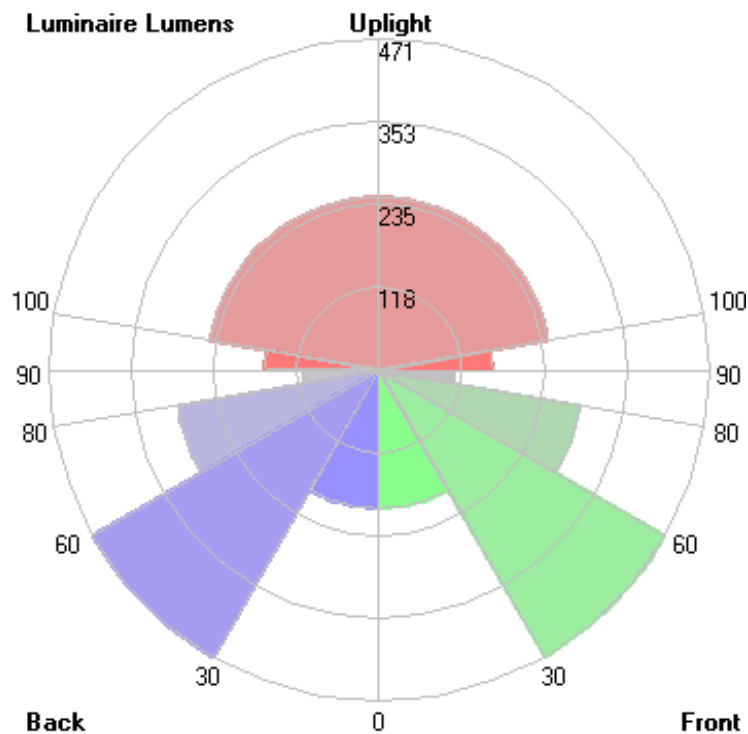
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	197.0	N.A.	7.7
FM (30-60)	470.8	N.A.	18.5
FH (60-80)	291.3	N.A.	11.5
FVH (80-90)	108.4	N.A.	4.3
BL (0-30)	197.0	N.A.	7.7
BM (30-60)	470.8	N.A.	18.5
BH (60-80)	291.3	N.A.	11.5
BVH (80-90)	108.4	N.A.	4.3
UL (90-100)	162.0	N.A.	6.4
UH (100-180)	244.7	N.A.	9.6
Total	2541.7	N.A.	100.0

BUG Rating B1-U3-G2



Shown on pole 84709 (180-3/8" OAH) | Grid Spacing: 7.5 ft.



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