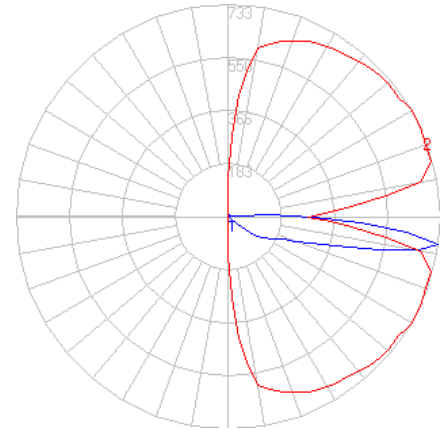


BEGA

File: 84355K4_BEGA_IES.ies

TEST: BEGA_84355K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 84 355K4
 LAMP: 12.0W LED



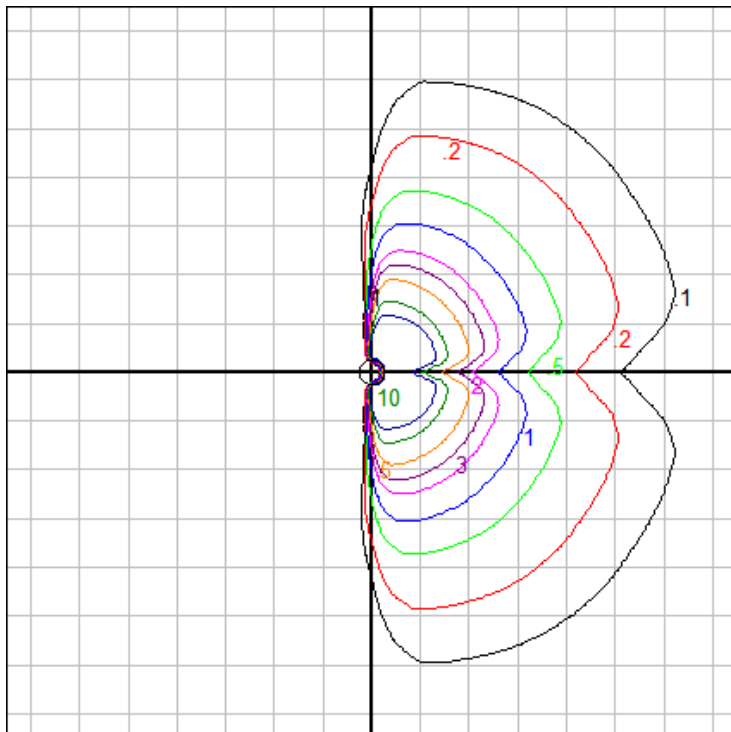
Characteristics

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	651
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	43
Total Luminaire Watts	15
Ballast Factor	1.00
Upward Waste Light Ratio	0.08
Max. Cd.	732.9 (335H, 82.5V)
Max. Cd. (<90 Vert.)	732.9 (335H, 82.5V)
Max. Cd. (At 90 Deg. Vert.)	300.4 (46.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	732.9 (112.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

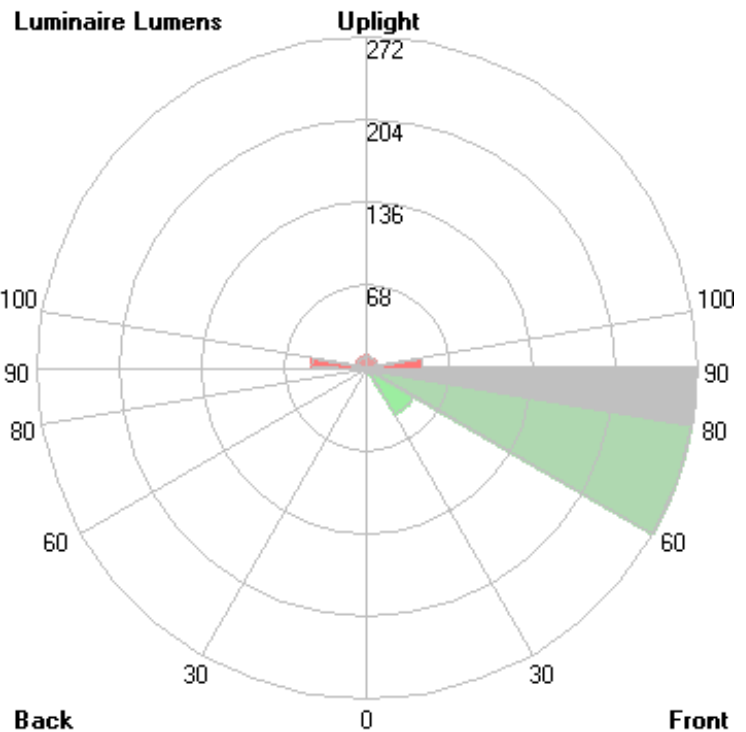
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	44.8	N.A.	6.9
FH (60-80)	272.2	N.A.	41.8
FVH(80-90)	271.2	N.A.	41.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	1.9	N.A.	0.3
BH (60-80)	4.3	N.A.	0.7
BVH(80-90)	2.2	N.A.	0.3
UL (90-100)	45.5	N.A.	7.0
UH (100-180)	8.8	N.A.	1.4
Total	650.9	N.A.	100.0

BUG Rating B0-U2-G3



Grid Spacing: 2 ft.



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

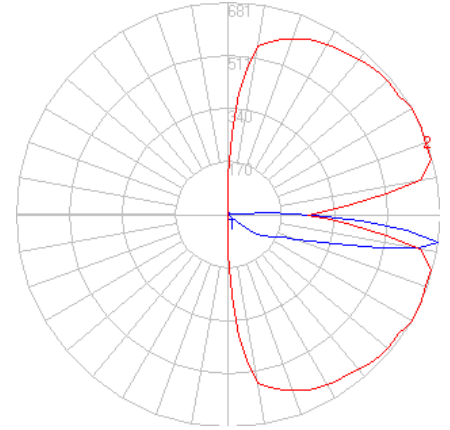
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BEGA

File: 84355K35_BEGA_IES.ies

TEST: BEGA_84355K4
TEST LAB: BEGA
DATE: 8/26/2019
LUMINAIRE: 84 355K35
LAMP: 12.0W LED



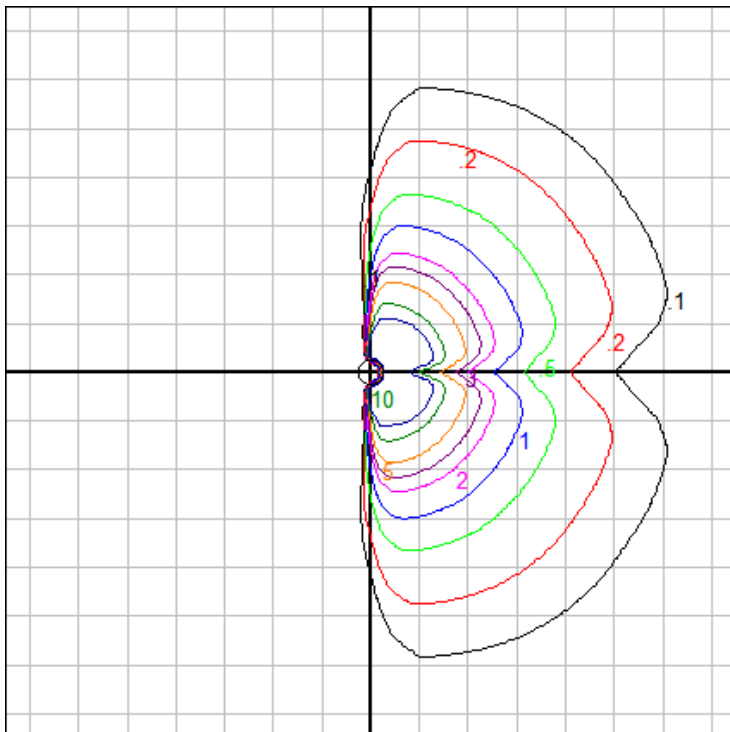
Characteristics

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	605
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	40
Total Luminaire Watts	15
Ballast Factor	1.00
Upward Waste Light Ratio	0.08
Max. Cd.	680.864 (335H, 82.5V)
Max. Cd. (<90 Vert.)	680.864 (335H, 82.5V)
Max. Cd. (At 90 Deg. Vert.)	279.072 (46.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	680.864 (112.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

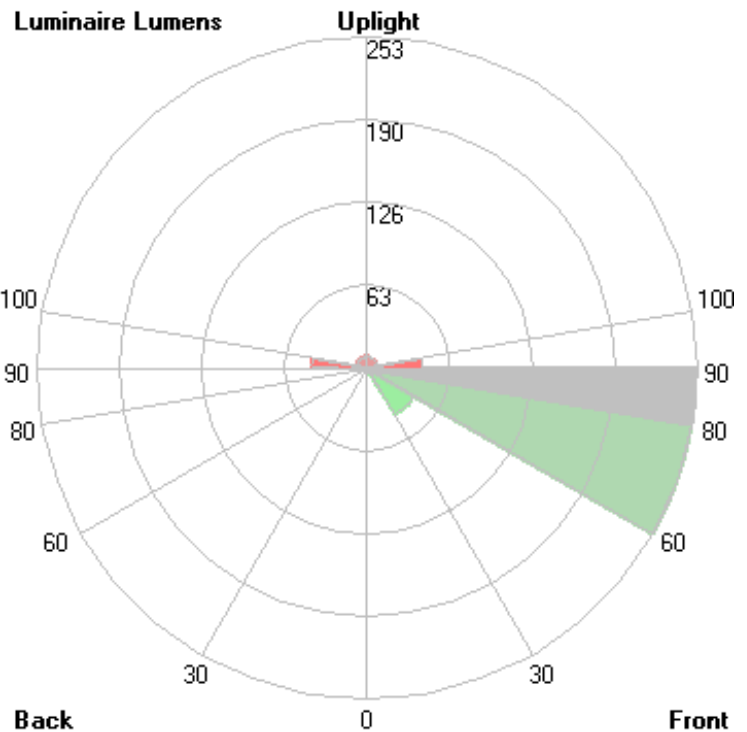
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	41.7	N.A.	6.9
FH (60-80)	252.8	N.A.	41.8
FVH(80-90)	251.9	N.A.	41.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	1.8	N.A.	0.3
BH (60-80)	3.9	N.A.	0.7
BVH(80-90)	2.1	N.A.	0.3
UL (90-100)	42.3	N.A.	7.0
UH (100-180)	8.2	N.A.	1.3
Total	604.7	N.A.	100.0

BUG Rating B0-U2-G3



Grid Spacing: 2 ft.



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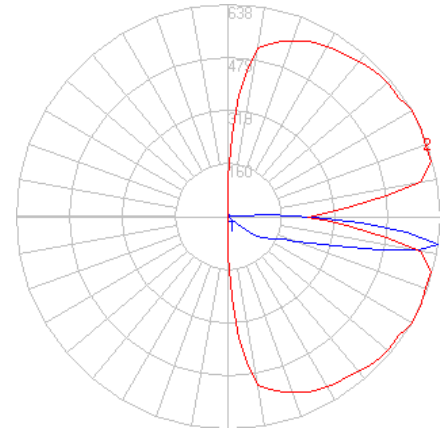
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BEGA

File: 84355K3_BEGA_IES.ies

TEST: BEGA_84355K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 84 355K3
 LAMP: 12.0W LED



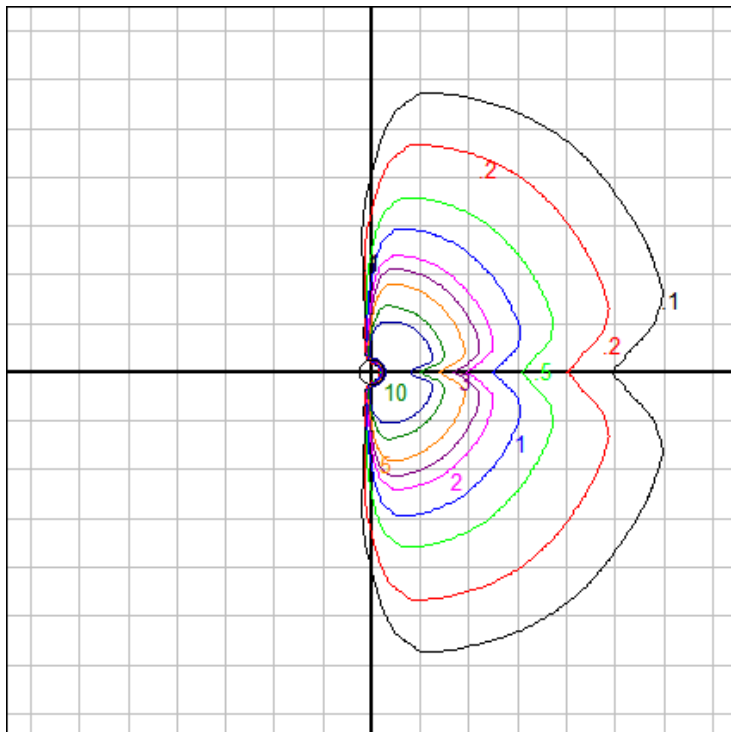
Characteristics

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	567
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	38
Total Luminaire Watts	15
Ballast Factor	1.00
Upward Waste Light Ratio	0.08
Max. Cd.	638.356 (335H, 82.5V)
Max. Cd. (<90 Vert.)	638.356 (335H, 82.5V)
Max. Cd. (At 90 Deg. Vert.)	261.648 (46.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	638.356 (112.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

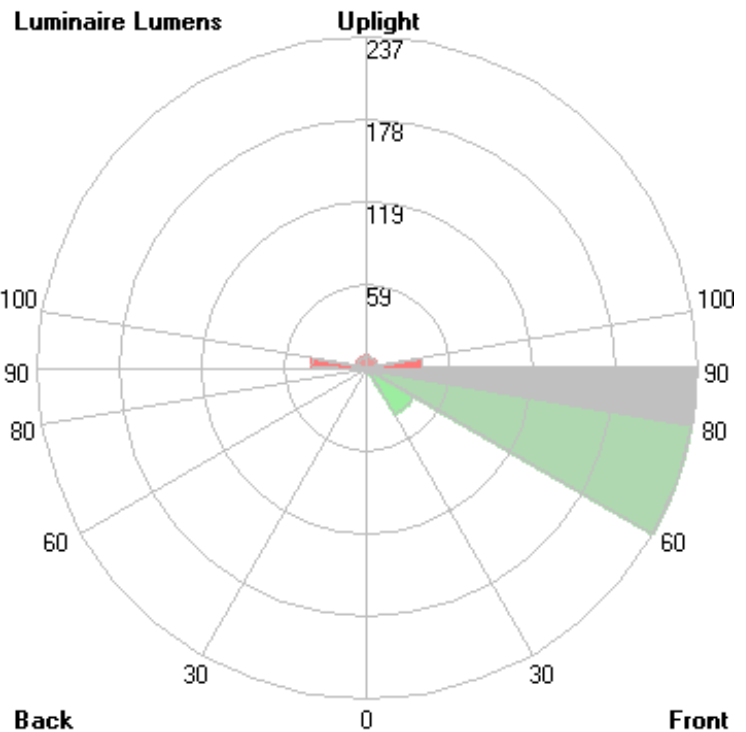
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	39.1	N.A.	6.9
FH (60-80)	237.1	N.A.	41.8
FVH(80-90)	236.2	N.A.	41.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	1.7	N.A.	0.3
BH (60-80)	3.7	N.A.	0.7
BVH(80-90)	1.9	N.A.	0.3
UL (90-100)	39.6	N.A.	7.0
UH (100-180)	7.6	N.A.	1.3
Total	566.9	N.A.	100.0

BUG Rating B0-U2-G3



Grid Spacing: 2 ft.



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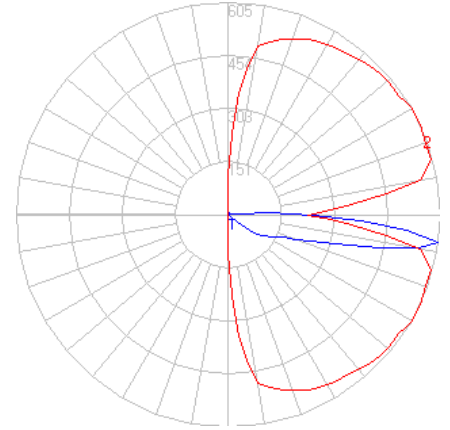
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BEGA

File: 84355K27_BEGA_IES.ies

TEST: BEGA_84355K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 84 355K27
 LAMP: 12.0W LED



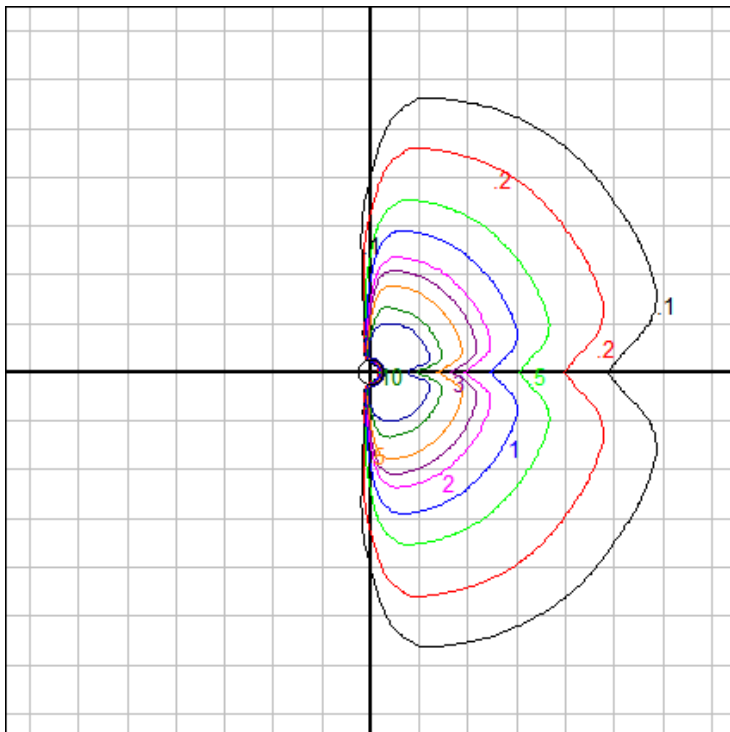
Characteristics

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	538
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	36
Total Luminaire Watts	15
Ballast Factor	1.00
Upward Waste Light Ratio	0.08
Max. Cd.	605.375 (335H, 82.5V)
Max. Cd. (<90 Vert.)	605.375 (335H, 82.5V)
Max. Cd. (At 90 Deg. Vert.)	248.13 (46.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	605.375 (112.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

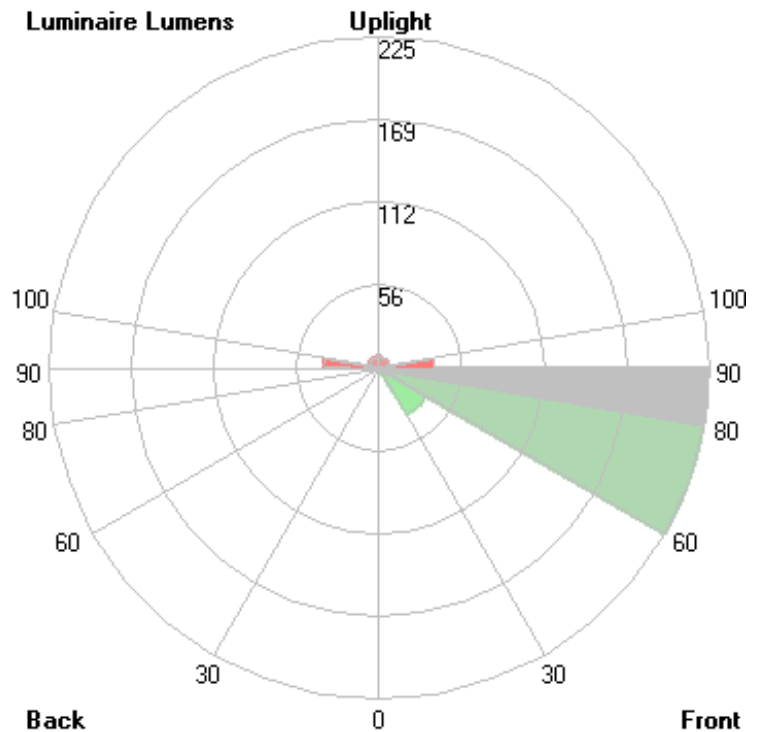
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	37.0	N.A.	6.9
FH (60-80)	224.8	N.A.	41.8
FVH(80-90)	224.0	N.A.	41.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	1.6	N.A.	0.3
BH (60-80)	3.5	N.A.	0.7
BVH(80-90)	1.8	N.A.	0.3
UL (90-100)	37.6	N.A.	7.0
UH (100-180)	7.3	N.A.	1.3
Total	537.6	N.A.	100.0

BUG Rating B0-U2-G2



Grid Spacing: 2 ft.



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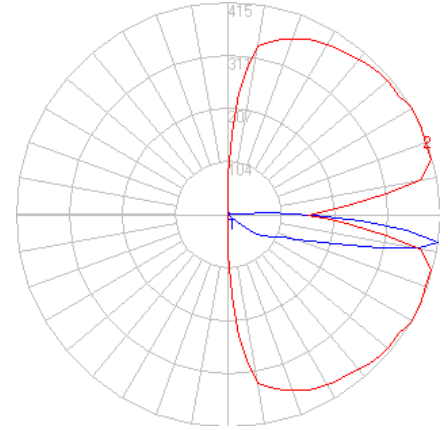
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BEGA

File: 84355AMB_BEGA_IES.ies

TEST: BEGA_84355K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 84 355AMB
 LAMP: 9.0W LED



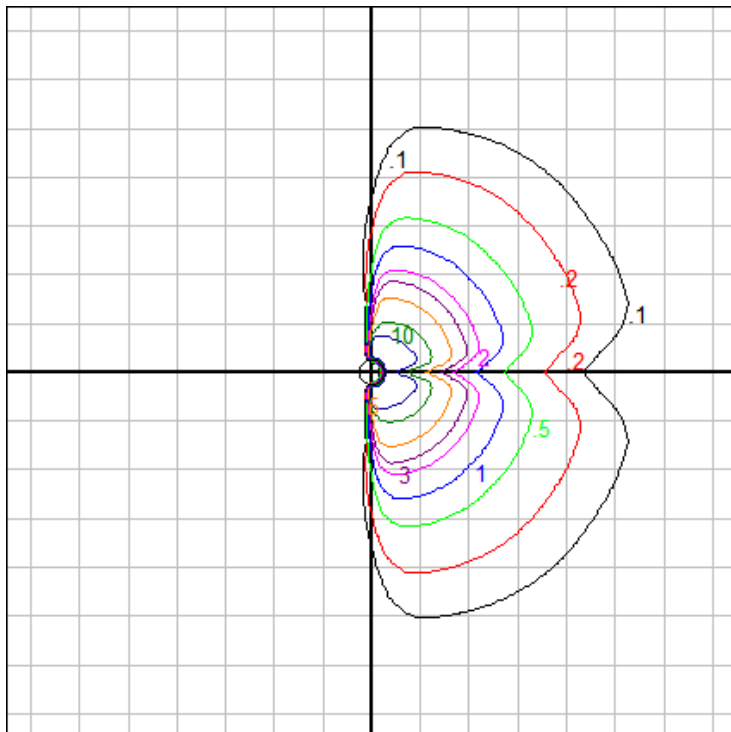
Characteristics

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	368
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	33
Total Luminaire Watts	11
Ballast Factor	1.00
Upward Waste Light Ratio	0.08
Max. Cd.	414.821 (335H, 82.5V)
Max. Cd. (<90 Vert.)	414.821 (335H, 82.5V)
Max. Cd. (At 90 Deg. Vert.)	170.026 (46.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	414.821 (112.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

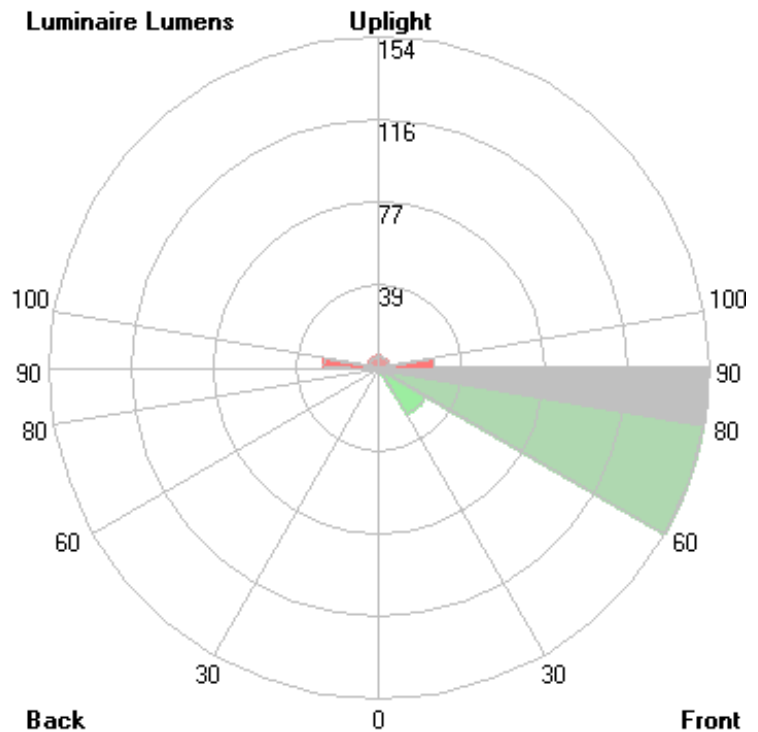
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	25.4	N.A.	6.9
FH (60-80)	154.0	N.A.	41.8
FVH(80-90)	153.5	N.A.	41.7
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	1.1	N.A.	0.3
BH (60-80)	2.4	N.A.	0.7
BVH(80-90)	1.3	N.A.	0.3
UL (90-100)	25.8	N.A.	7.0
UH (100-180)	5.0	N.A.	1.3
Total	368.5	N.A.	100.0

BUG Rating B0-U2-G2



Grid Spacing: 2 ft.



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