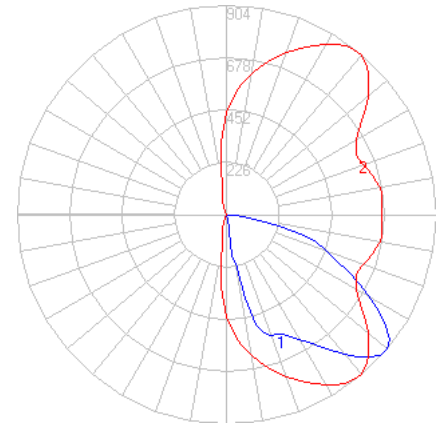


BEGA

Photometric Filename: 99058K4.IES

TEST: BE_99058K4
TEST LAB: BEGA
DATE: 11/23/2016
LUMINAIRE: 99 058K4
LAMP: 11.6W LED



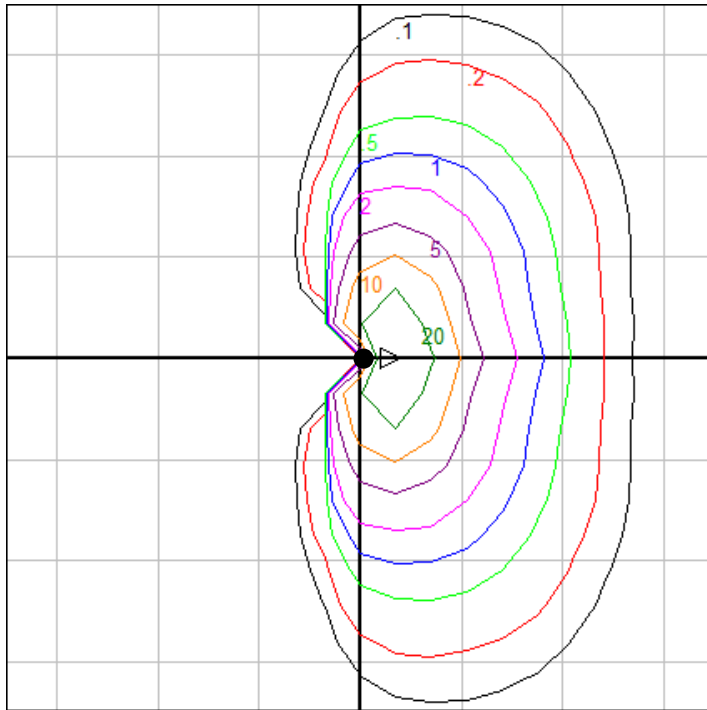
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1457
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	14.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	904.3 (310H, 50V)
Max. Cd. (<90 Vert.)	904.3 (310H, 50V)
Max. Cd. (At 90 Deg. Vert.)	1.7 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	161.5 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

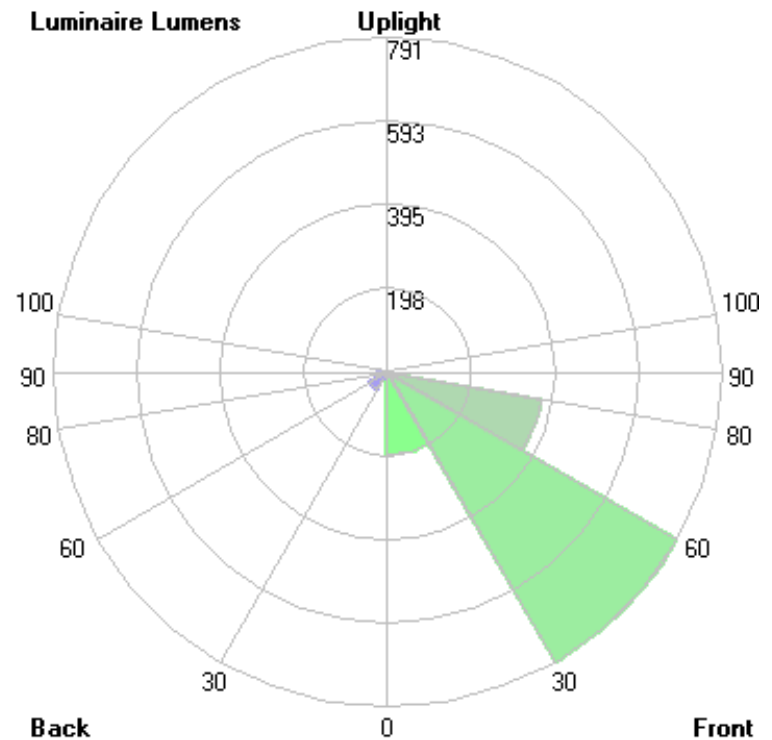
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	194.4	N.A.	13.3
FM (30-60)	790.8	N.A.	54.3
FH (60-80)	369.7	N.A.	25.4
FVH (80-90)	12.4	N.A.	0.8
BL (0-30)	13.0	N.A.	0.9
BM (30-60)	47.9	N.A.	3.3
BH (60-80)	28.2	N.A.	1.9
BVH (80-90)	0.9	N.A.	0.1
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1457.4	N.A.	100.0

BUG Rating B0-U1-G1



Grid Spacing = 5 ft.



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

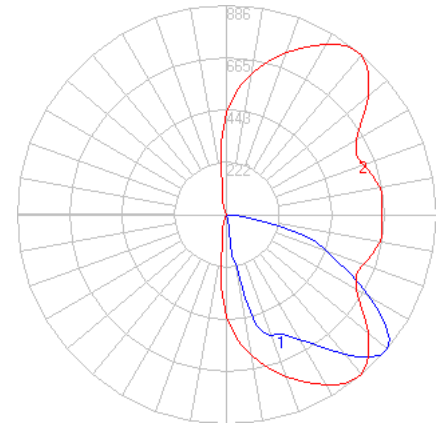
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BEGA

Photometric Filename: 99058K35.IES

TEST: BE_99058K4
 TEST LAB: BEGA
 DATE: 11/23/2016
 LUMINAIRE: 99 058K35
 LAMP: 11.6W LED



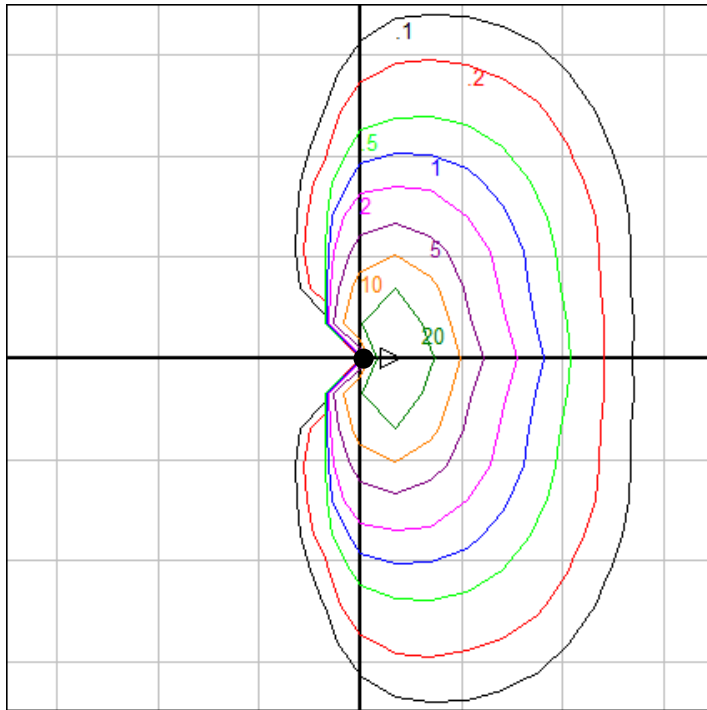
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1428
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	14.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	886.214 (310H, 50V)
Max. Cd. (<90 Vert.)	886.214 (310H, 50V)
Max. Cd. (At 90 Deg. Vert.)	1.666 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	158.27 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

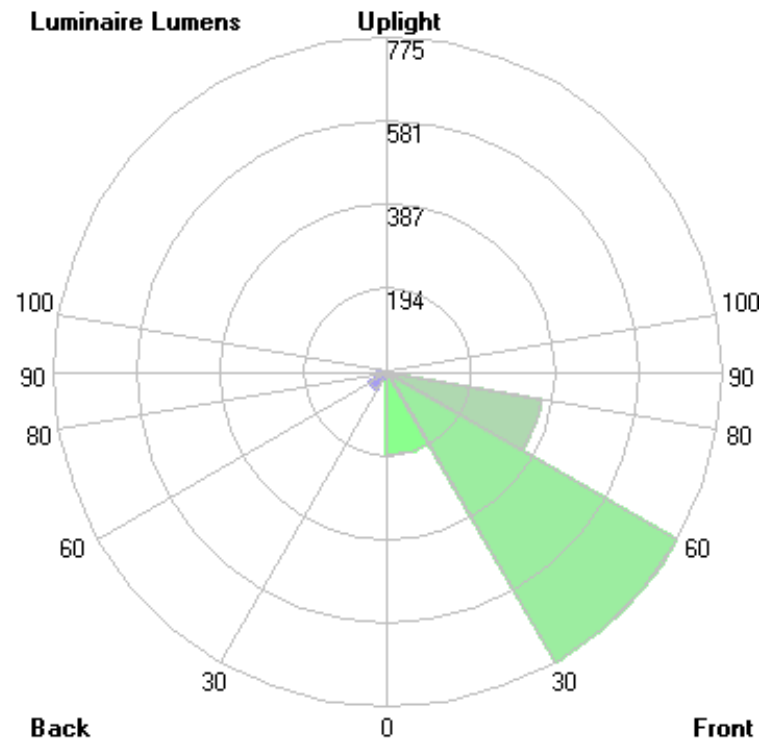
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	190.5	N.A.	13.3
FM (30-60)	775.0	N.A.	54.3
FH (60-80)	362.3	N.A.	25.4
FVH (80-90)	12.1	N.A.	0.8
BL (0-30)	12.47	N.A.	0.9
BM (30-60)	46.9	N.A.	3.3
BH (60-80)	27.6	N.A.	1.9
BVH (80-90)	0.9	N.A.	0.1
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1428.1	N.A.	100.0

BUG Rating B0-U1-G1



Grid Spacing = 5 ft.



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

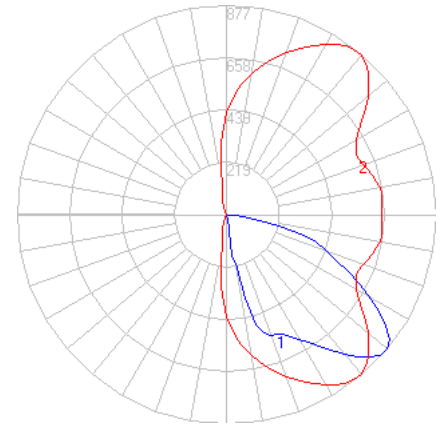
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Photometric Filename: 99058K3.IES

TEST: BE_99058K4
TEST LAB: BEGA
DATE: 11/23/2016
LUMINAIRE: 99 058K3
LAMP: 11.6W LED



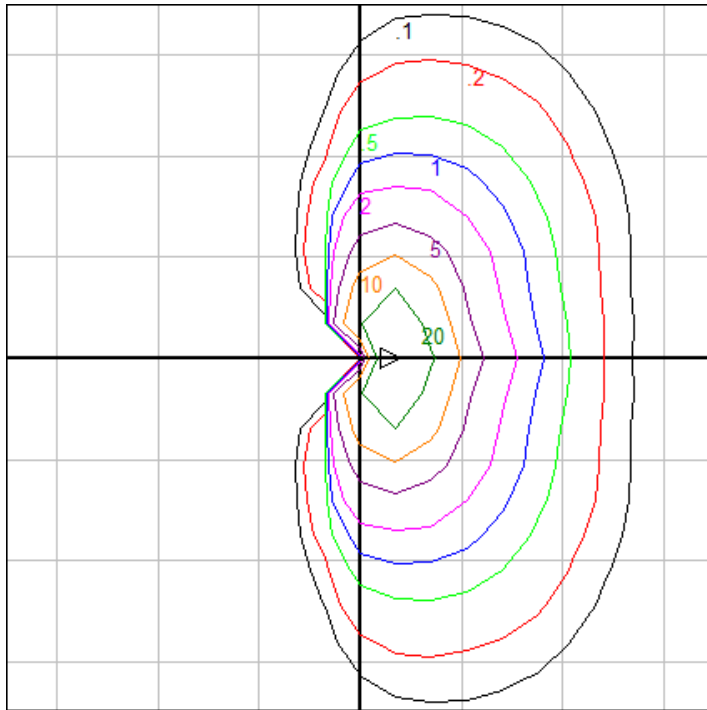
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1414
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	14.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	877.171 (310H, 50V)
Max. Cd. (<90 Vert.)	877.171 (310H, 50V)
Max. Cd. (At 90 Deg. Vert.)	1.649 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	1586.65 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

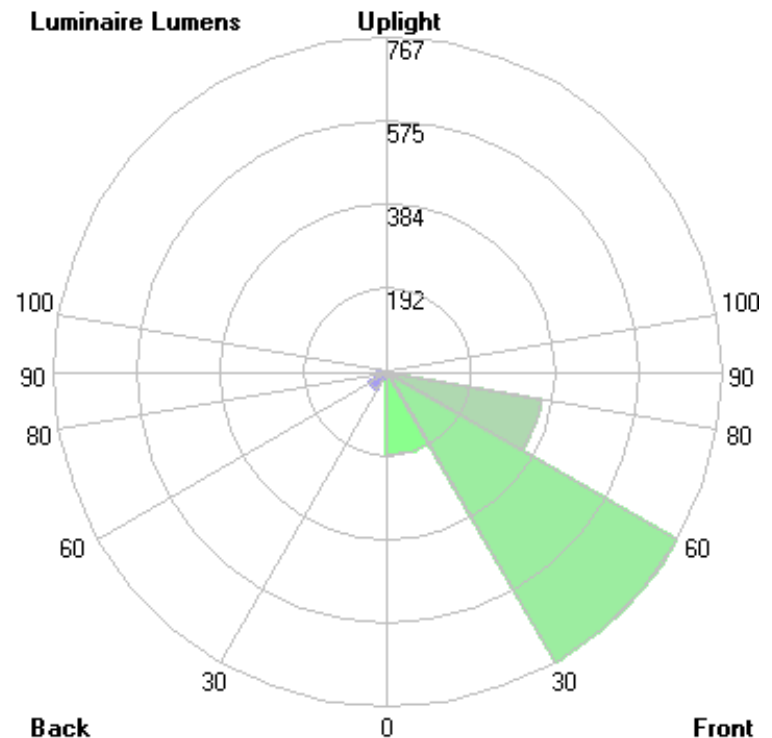
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	188.6	N.A.	13.3
FM (30-60)	767.0	N.A.	54.3
FH (60-80)	358.6	N.A.	25.4
FVH (80-90)	12.0	N.A.	0.8
BL (0-30)	12.6	N.A.	0.9
BM (30-60)	46.5	N.A.	3.3
BH (60-80)	27.3	N.A.	1.9
BVH (80-90)	0.9	N.A.	0.1
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1428.1	N.A.	100.0

BUG Rating B0-U1-G1



Grid Spacing = 5 ft.



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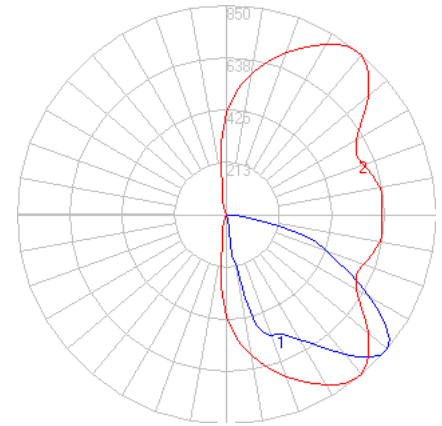
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Photometric Filename: 99058K27.IES

TEST: BE_99058K4
TEST LAB: BEGA
DATE: 11/23/2016
LUMINAIRE: 99 058K27
LAMP: 11.6W LED



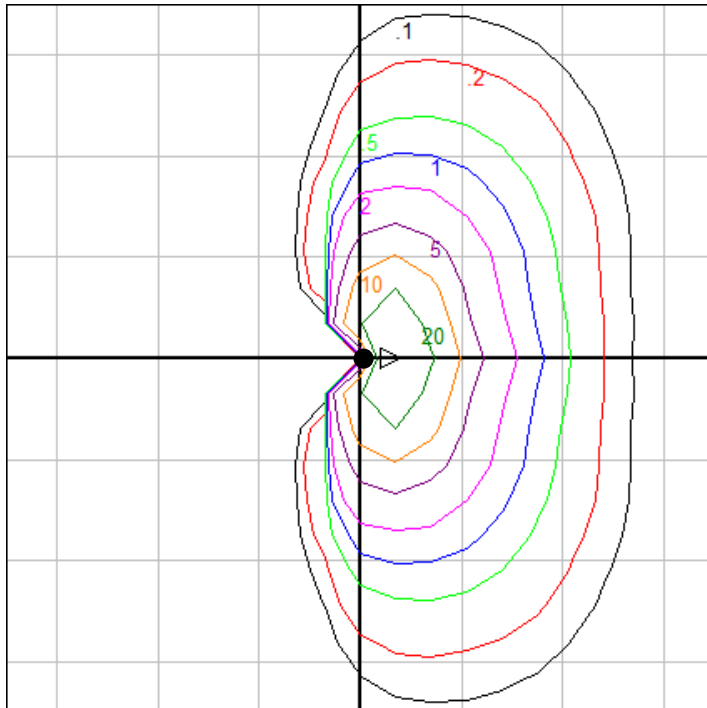
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1370
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	14.5
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	850.042 (310H, 50V)
Max. Cd. (<90 Vert.)	850.042 (310H, 50V)
Max. Cd. (At 90 Deg. Vert.)	1.598 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	151.81 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

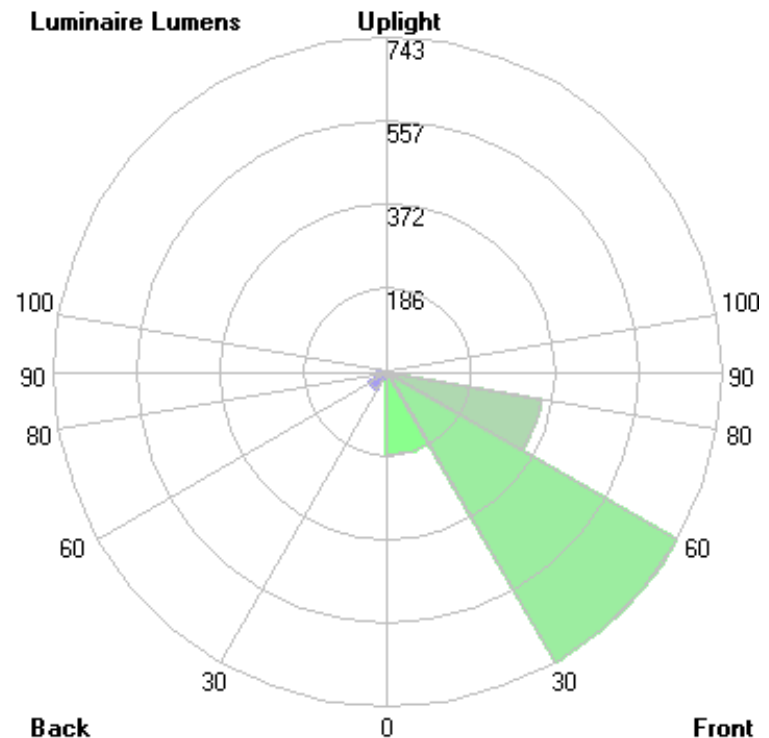
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	182.8	N.A.	13.3
FM (30-60)	743.3	N.A.	54.3
FH (60-80)	347.5	N.A.	25.4
FVH (80-90)	11.6	N.A.	0.8
BL (0-30)	12.2	N.A.	0.9
BM (30-60)	45.0	N.A.	3.3
BH (60-80)	26.5	N.A.	1.9
BVH (80-90)	0.9	N.A.	0.1
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1369.9	N.A.	100.0

BUG Rating B0-U1-G1



Grid Spacing = 5 ft.



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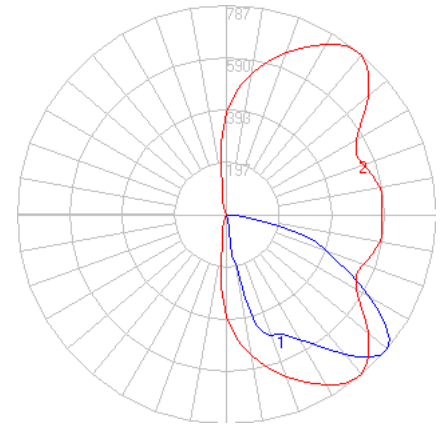
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Photometric Filename: 99058AMB.IES

TEST: BE_99058K4
 TEST LAB: BEGA
 DATE: 11/23/2016
 LUMINAIRE: 99 058AMB
 LAMP: 17.6W LED



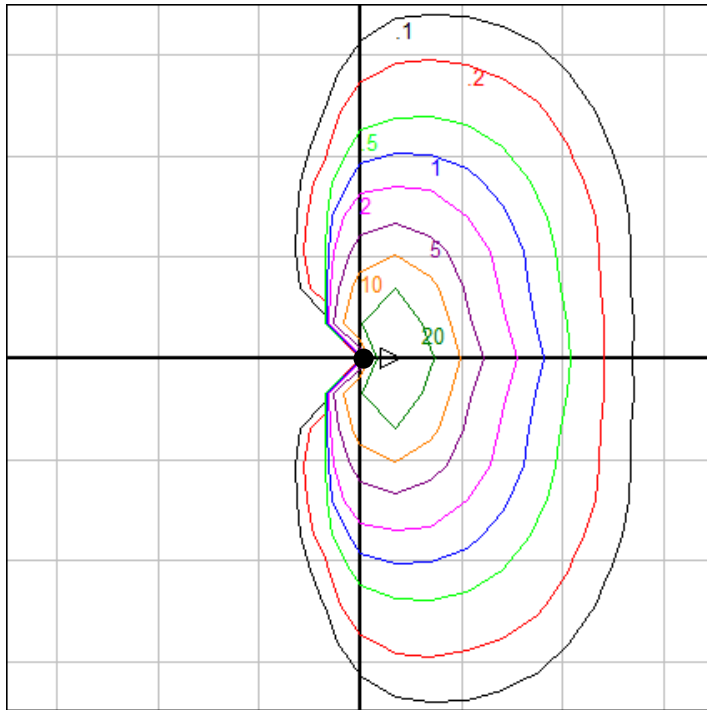
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1268
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	22
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	786.741 (310H, 50V)
Max. Cd. (<90 Vert.)	786.741 (310H, 50V)
Max. Cd. (At 90 Deg. Vert.)	1.479 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	151.81 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

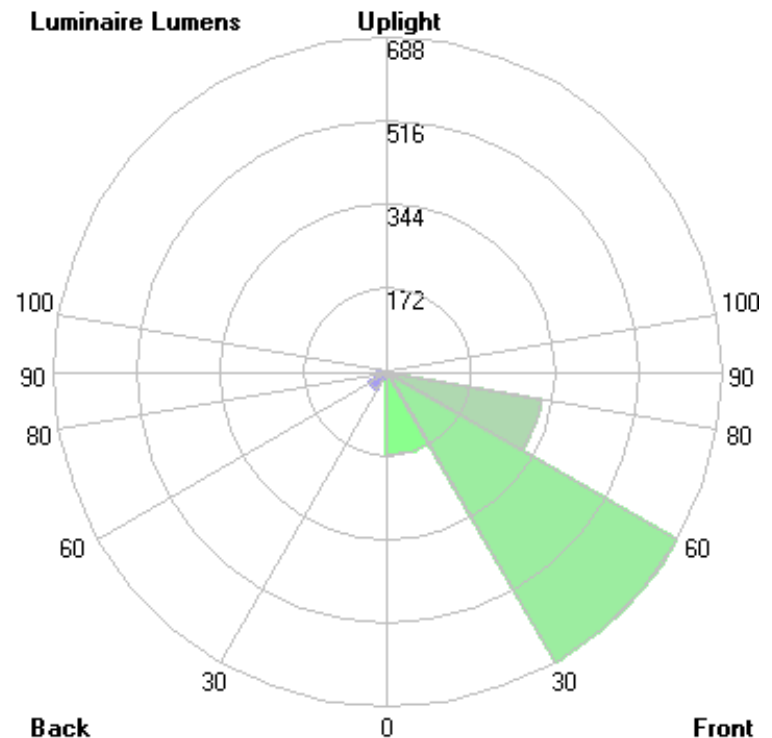
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	169.1	N.A.	13.3
FM (30-60)	688.0	N.A.	54.3
FH (60-80)	321.6	N.A.	25.4
FVH (80-90)	10.8	N.A.	0.8
BL (0-30)	11.3	N.A.	0.9
BM (30-60)	41.7	N.A.	3.3
BH (60-80)	24.5	N.A.	1.9
BVH (80-90)	0.8	N.A.	0.1
UL (90-100)	0.1	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1267.9	N.A.	100.0

BUG Rating B0-U1-G1



Grid Spacing = 5 ft.



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

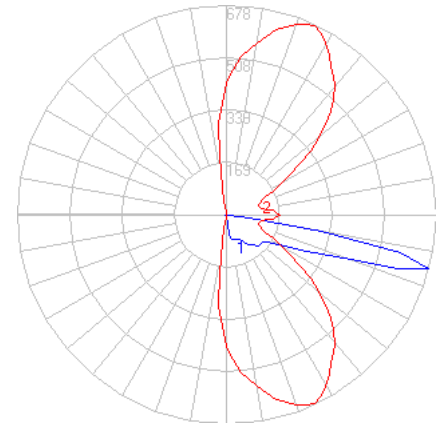
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BEGA

Photometric Filename: 99058K4_AWB.IES

TEST: BE_99058K4
TEST LAB: BEGA
DATE: 11/23/2016
LUMINAIRE: 99 058K4_AWB
LAMP: 11.6W LED



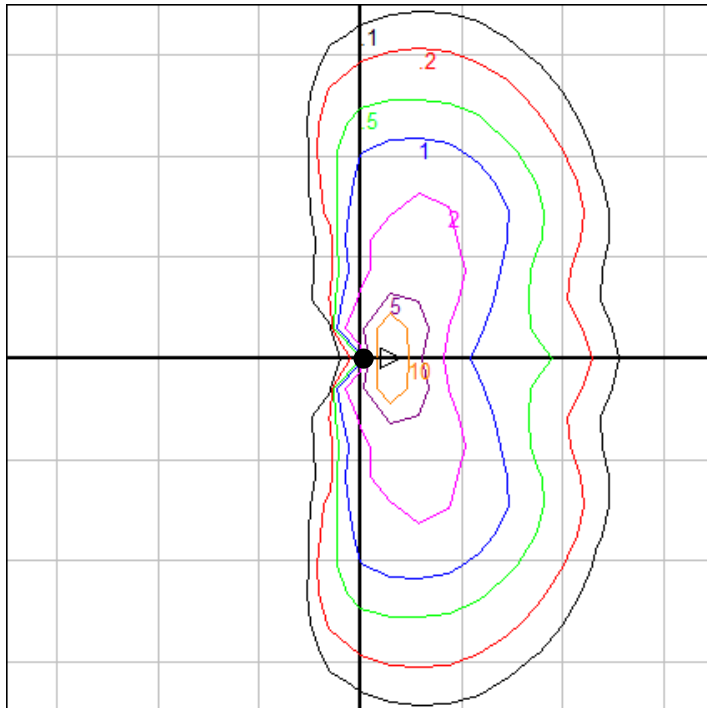
Characteristics

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	550
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	25
Total Luminaire Watts	22
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	677.5 (295H, 75V)
Max. Cd. (<90 Vert.)	677.5 (295H, 75V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	332.3 (60.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

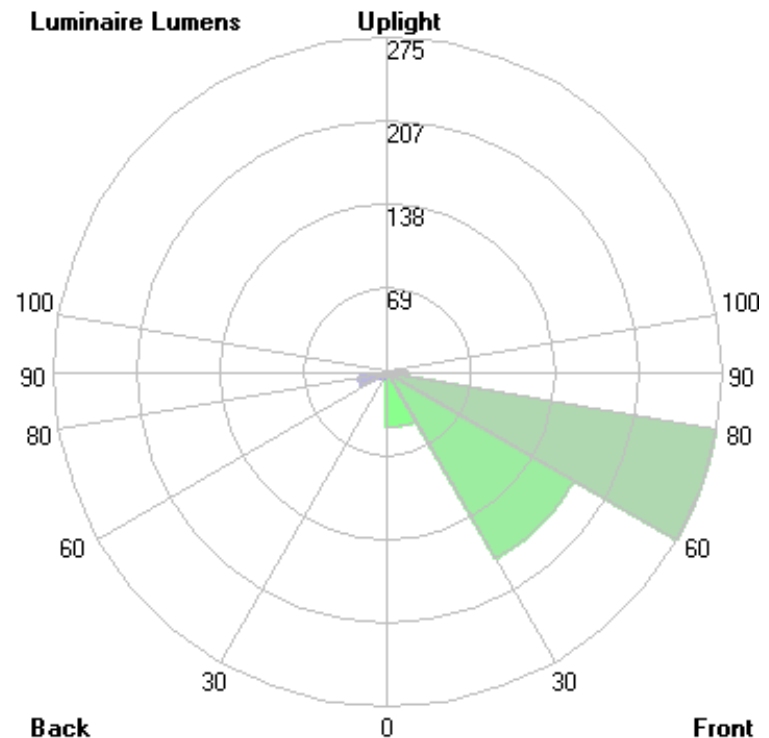
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	45.8	N.A.	8.3
FM (30-60)	177.5	N.A.	32.3
FH (60-80)	275.4	N.A.	50.1
FVH (80-90)	17.1	N.A.	3.1
BL (0-30)	1.4	N.A.	0.3
BM (30-60)	6.6	N.A.	1.2
BH (60-80)	23.6	N.A.	4.3
BVH (80-90)	2.4	N.A.	0.4
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	549.8	N.A.	100.0

BUG Rating B0-U0-G1



Grid Spacing = 5 ft.



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