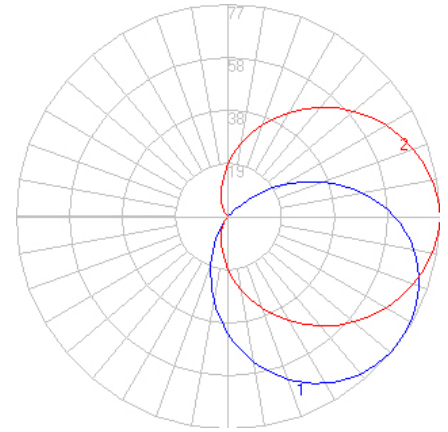


BEGA

File: 24355K4_BEGA_IES.ies

TEST: BEGA_24355K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 24 355K4
 LAMP: 3.0W LED



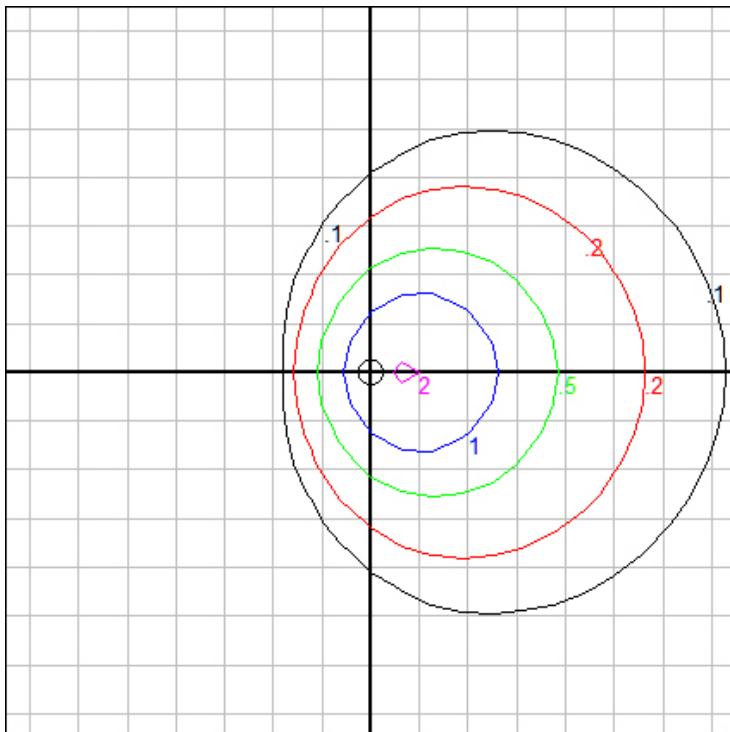
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	214
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	35
Total Luminaire Watts	6.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.18
Max. Cd.	76.8 (0H, 55V)
Max. Cd. (<90 Vert.)	76.8 (0H, 55V)
Max. Cd. (At 90 Deg. Vert.)	60.4 (28.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	68.2 (31.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

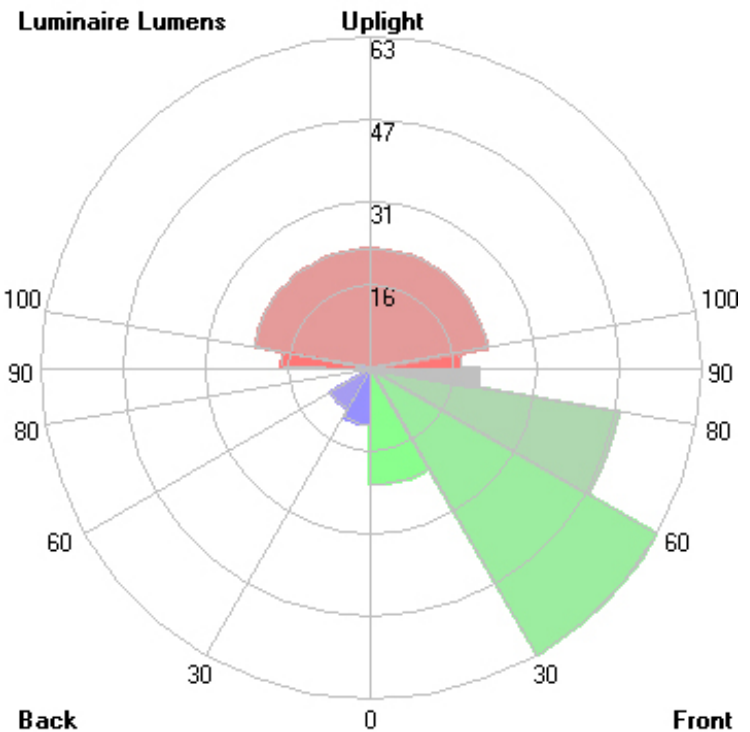
LCS Zone	Lumens	%Lamp	%Lum
FL(0-30)	22	N.A.	10.3
FM(30-60)	62.6	N.A.	29.2
FH(60-80)	47.7	N.A.	22.3
FVH(80-90)	20.6	N.A.	9.6
BL(0-30)	10.7	N.A.	5
BM(30-60)	8.8	N.A.	4.1
BH(60-80)	1.8	N.A.	0.8
BVH(80-90)	0.5	N.A.	0.2
UL(90-100)	16.9	N.A.	7.9
UH(100-180)	22.4	N.A.	10.5
Total	214	N.A.	100

BUG Rating B0-U2-G1



Mounting Height: 5 ft.

Grid Spacing: 2 ft.



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

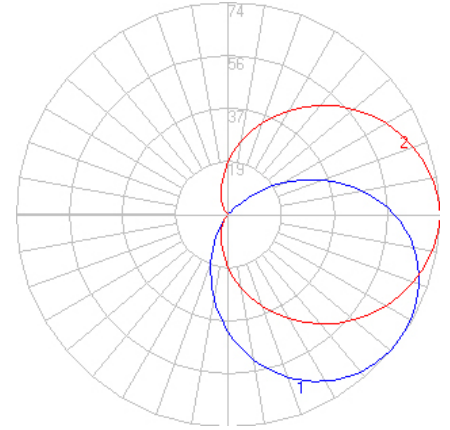
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BEGA

File: 24355K35_BEGA_IES.ies

TEST: BEGA_24355K4
 TEST LAB: BEGA
 DATE: 8/26/2019
 LUMINAIRE: 24 355K35
 LAMP: 3.0W LED



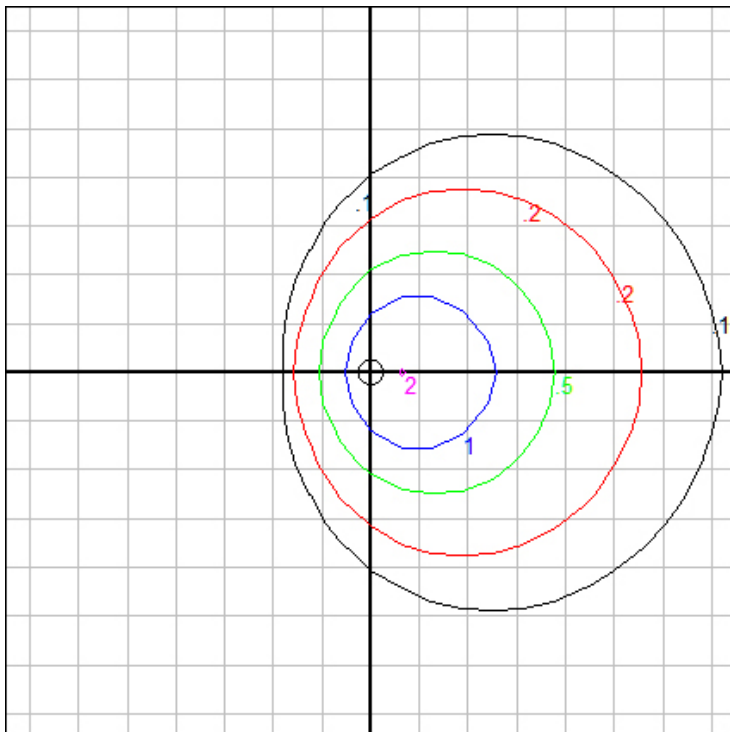
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	207
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	33
Total Luminaire Watts	6.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.18
Max. Cd.	74.112 (0H, 55V)
Max. Cd. (<90 Vert.)	74.112 (0H, 55V)
Max. Cd. (At 90 Deg. Vert.)	58.286 (28.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	65.813 (31.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

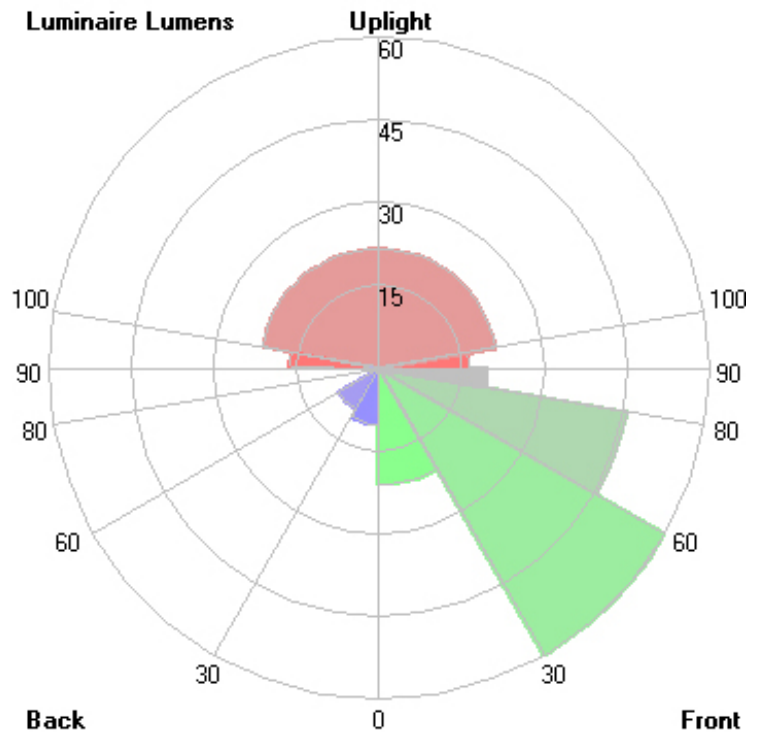
LCS Zone	Lumens	%Lamp	%Lum
FL(0-30)	21.2	N.A.	10.3
FM(30-60)	60.4	N.A.	29.2
FH(60-80)	46	N.A.	22.3
FVH(80-90)	19.9	N.A.	9.6
BL(0-30)	10.3	N.A.	5
BM(30-60)	8.5	N.A.	4.1
BH(60-80)	1.8	N.A.	0.8
BVH(80-90)	0.5	N.A.	0.2
UL(90-100)	16.3	N.A.	7.9
UH(100-180)	21.6	N.A.	10.5
Total	206.5	N.A.	100

BUG Rating B0-U2-G1



Mounting Height: 5 ft.

Grid Spacing: 2 ft.



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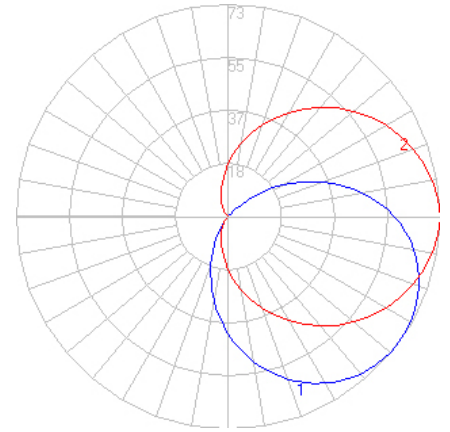
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File: 24355K3_BEGA_IES.ies

TEST: BEGA_24355K4
TEST LAB: BEGA
DATE: 8/26/2019
LUMINAIRE: 24 355K3
LAMP: 3.0W LED



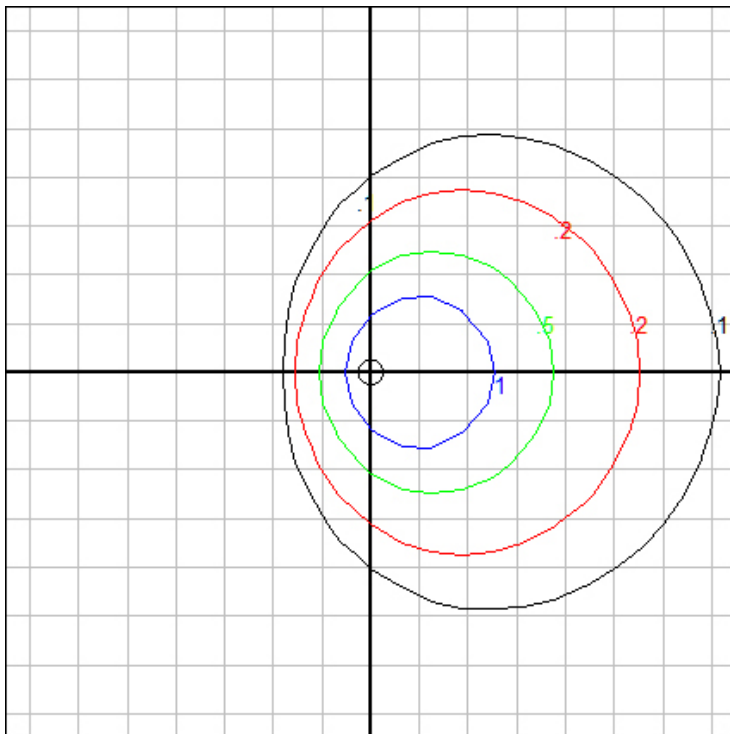
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	204
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	33
Total Luminaire Watts	6.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.18
Max. Cd.	73.037 (0H, 55V)
Max. Cd. (<90 Vert.)	73.037 (0H, 55V)
Max. Cd. (At 90 Deg. Vert.)	57.44 (28.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	64.858 (31.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

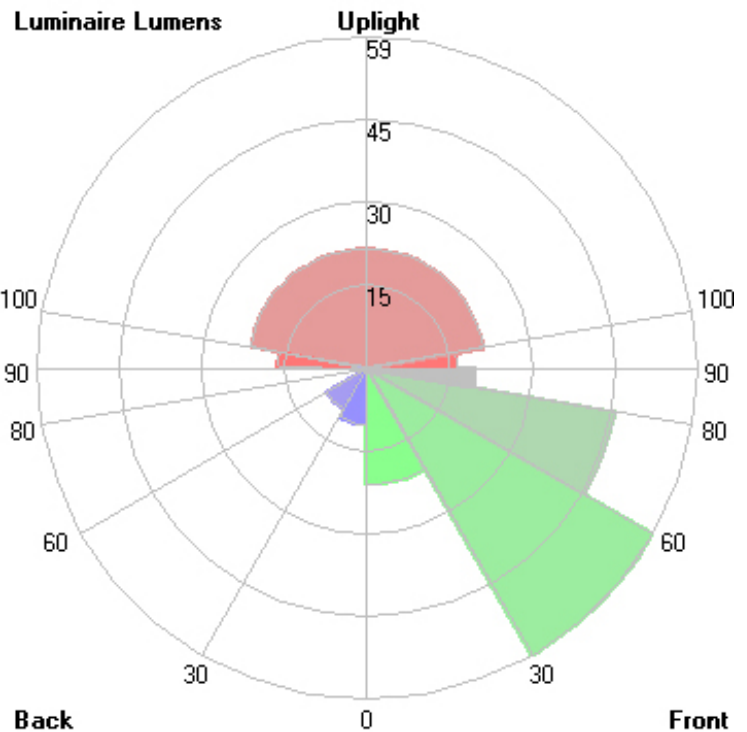
LCS Zone	Lumens	%Lamp	%Lum
FL(0-30)	20.9	N.A.	10.3
FM(30-60)	59.5	N.A.	29.3
FH(60-80)	45.3	N.A.	22.3
FVH(80-90)	19.6	N.A.	9.6
BL(0-30)	10.2	N.A.	5
BM(30-60)	8.4	N.A.	4.1
BH(60-80)	1.7	N.A.	0.8
BVH(80-90)	0.4	N.A.	0.2
UL(90-100)	16.1	N.A.	7.9
UH(100-180)	21.3	N.A.	10.5
Total	203.4	N.A.	100

BUG Rating B0-U2-G1



Mounting Height: 5 ft.

Grid Spacing: 2 ft.



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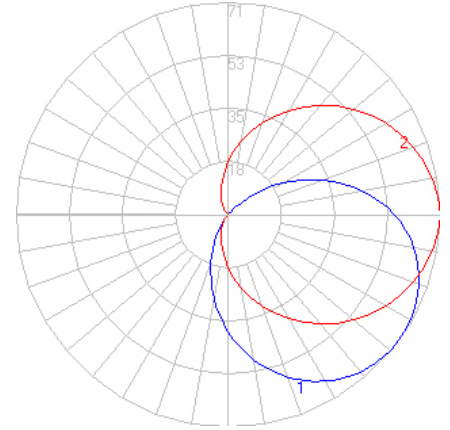
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BEGA

File: 24355K27_BEGA_IES.ies

TEST: BEGA_24355K4
TEST LAB: BEGA
DATE: 8/26/2019
LUMINAIRE: 24 355K27
LAMP: 3.0W LED



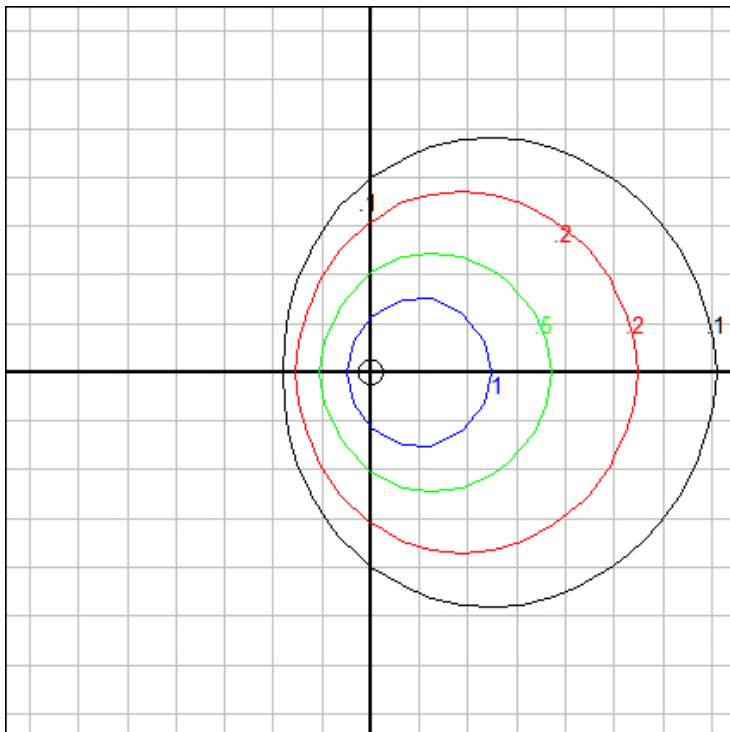
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	198
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	32
Total Luminaire Watts	6.2
Ballast Factor	1.00
Upward Waste Light Ratio	0.18
Max. Cd.	70.963 (0H, 55V)
Max. Cd. (<90 Vert.)	70.963 (0H, 55V)
Max. Cd. (At 90 Deg. Vert.)	55.81 (28.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	63.017 (31.8%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

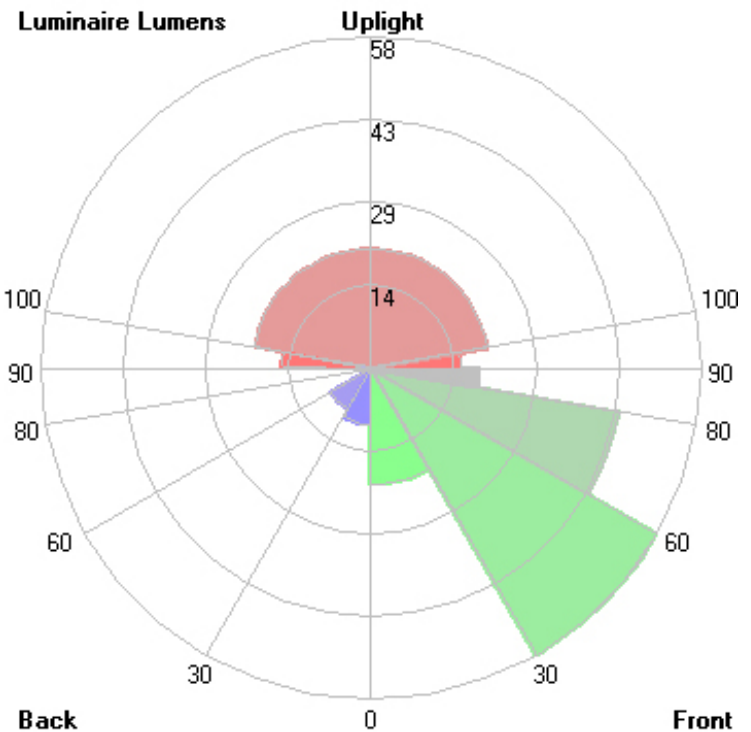
LCS Zone	Lumens	%Lamp	%Lum
FL(0-30)	20.3	N.A.	10.3
FM(30-60)	57.8	N.A.	29.2
FH(60-80)	44.1	N.A.	22.3
FVH(80-90)	19	N.A.	9.6
BL(0-30)	9.9	N.A.	5
BM(30-60)	8.2	N.A.	4.1
BH(60-80)	1.7	N.A.	0.8
BVH(80-90)	0.4	N.A.	0.2
UL(90-100)	15.6	N.A.	7.9
UH(100-180)	20.7	N.A.	10.5
Total	197.7	N.A.	100

BUG Rating B0-U2-G1



Mounting Height: 5 ft.

Grid Spacing: 2 ft.



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