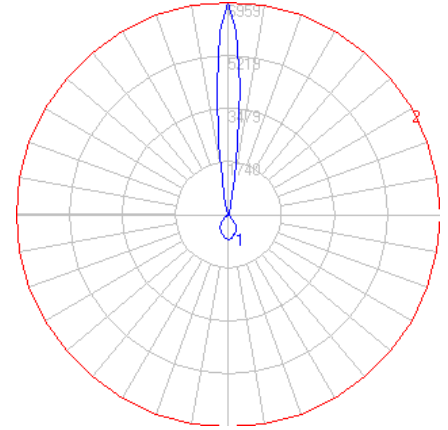


BEGA

File: 24515K4_BEGA_IES.ies

TEST: BE_24515K4
TEST LAB: BEGA
DATE: 02/18/2021
LUMINAIRE: 24 515K4
LAMP: 17.7W LED



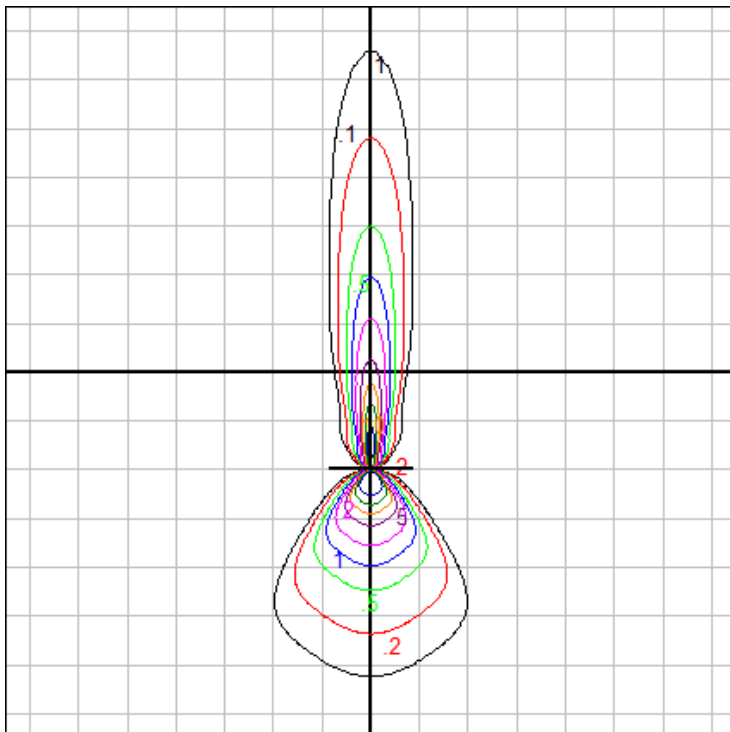
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1396
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	6958.916 (0H, 180V)
Max. Cd. (<90 Vert.)	809.9 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.6 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

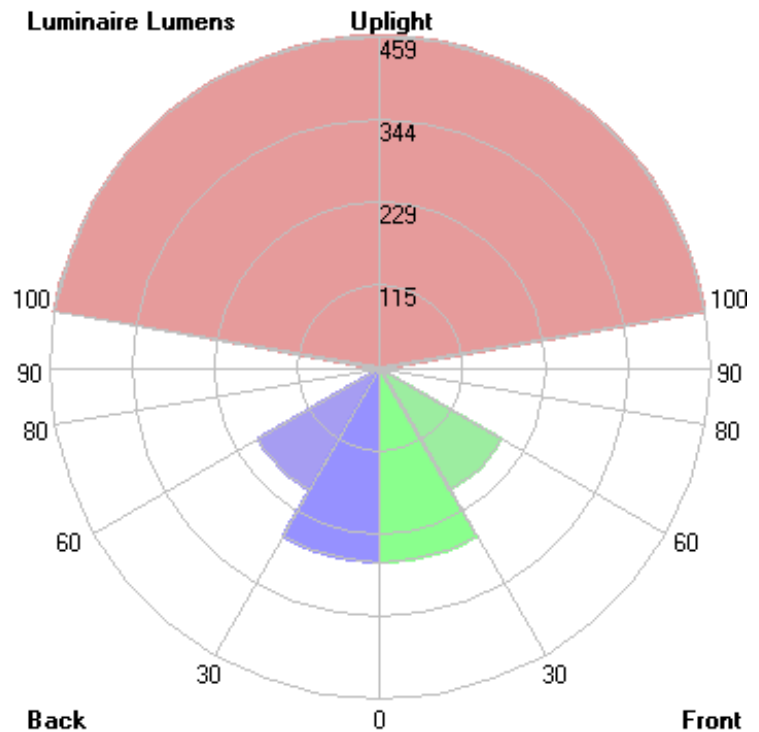
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	269.0	N.A.	19.3
FM (30-60)	195.2	N.A.	14.0
FH (60-80)	4.2	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	269.0	N.A.	19.3
BM (30-60)	195.2	N.A.	14.0
BH (60-80)	4.2	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	458.9	N.A.	32.9
Total	1395.9	N.A.	100.0

BUG Rating B1-U3-G0



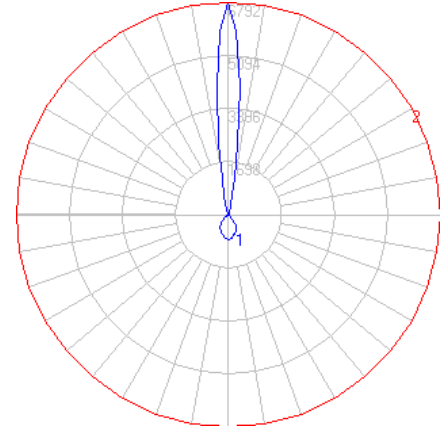
Isofootcandle diagram on wall Grid Spacing: 3 ft.



BEGA

File: 24515K35_BEGA_IES.ies

TEST: BE_24515K4
TEST LAB: BEGA
DATE: 02/18/2021
LUMINAIRE: 24 515K35
LAMP: 17.7W LED



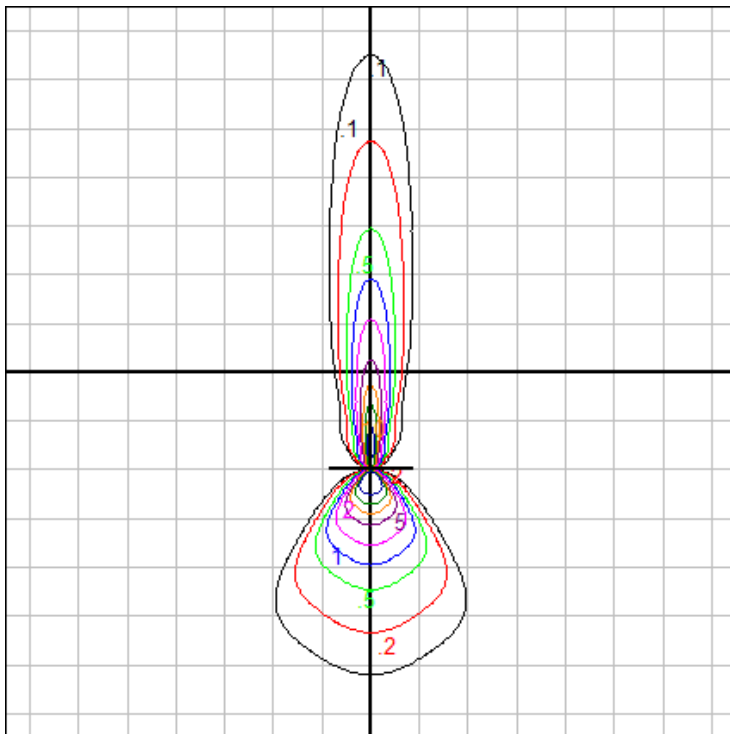
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1362
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	6791.72 (0H, 180V)
Max. Cd. (<90 Vert.)	790.441 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.586 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

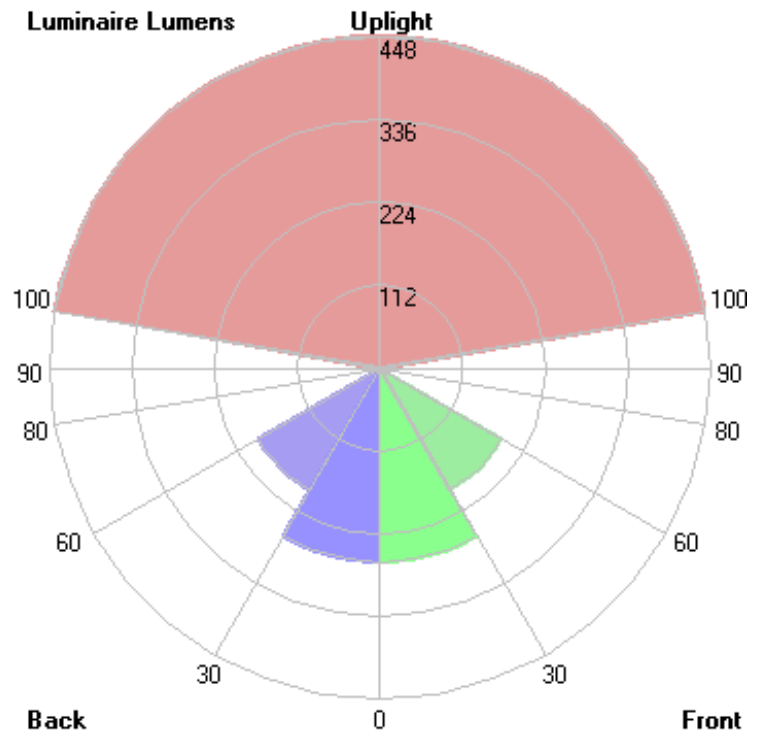
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	262.6	N.A.	19.3
FM (30-60)	190.5	N.A.	14.0
FH (60-80)	4.1	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	262.6	N.A.	19.3
BM (30-60)	190.5	N.A.	14.0
BH (60-80)	4.1	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	447.9	N.A.	32.9
Total	1362.5	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle diagram on wall | Grid Spacing: 3 ft.



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

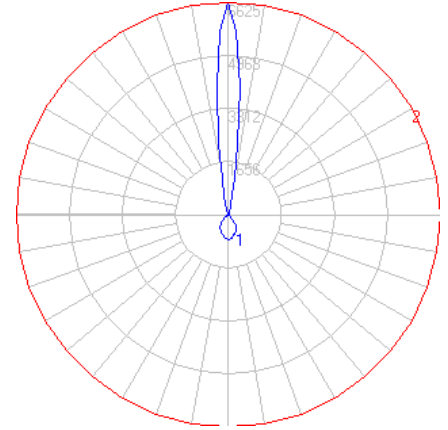
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BEGA

File: 24515K3_BEGA_IES.ies

TEST: BE_24515K4
TEST LAB: BEGA
DATE: 02/18/2021
LUMINAIRE: 24 515K3
LAMP: 17.7W LED



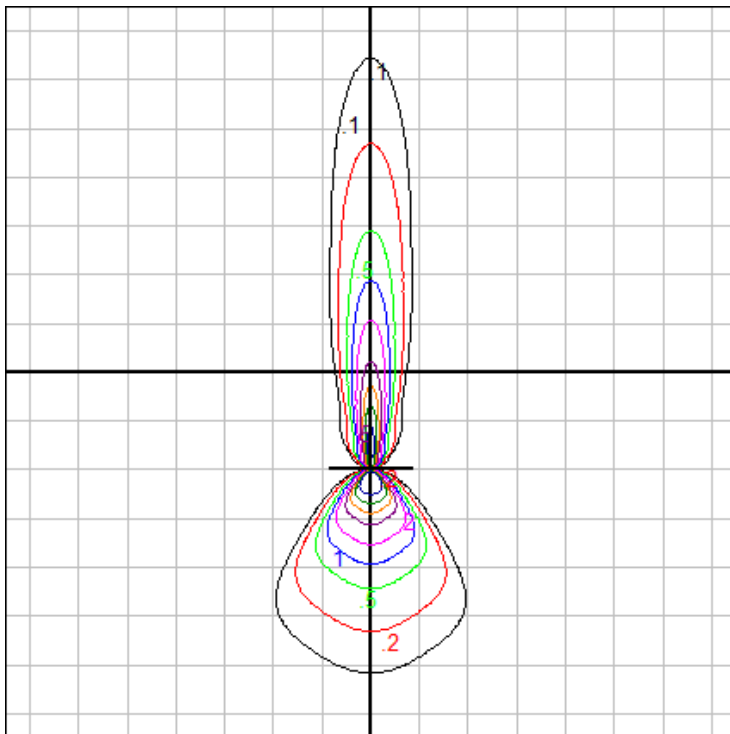
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1329
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	66
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	6624.524 (0H, 180V)
Max. Cd. (<90 Vert.)	770.983 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.571 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

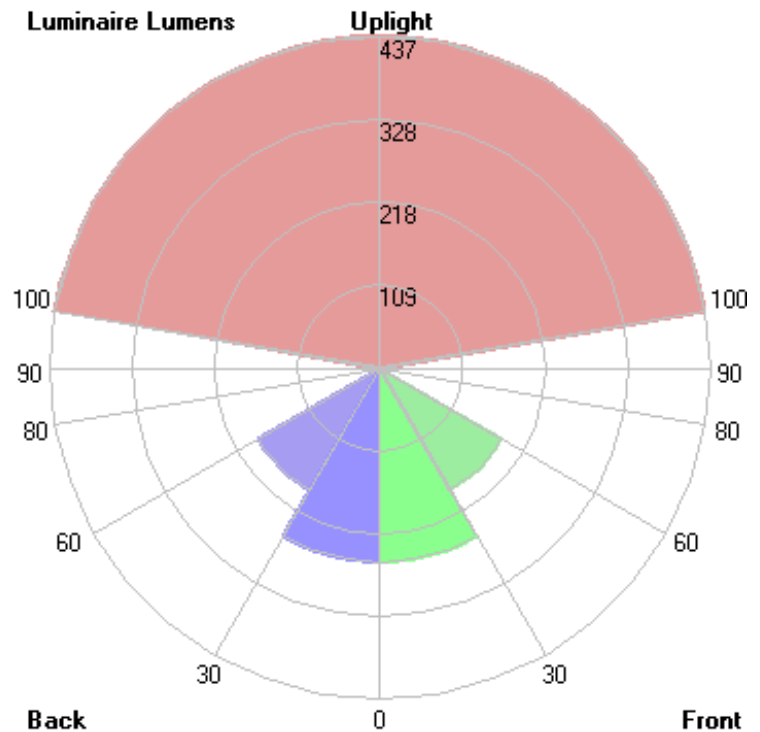
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	256.1	N.A.	19.3
FM (30-60)	185.8	N.A.	14.0
FH (60-80)	4.0	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	256.1	N.A.	19.3
BM (30-60)	185.8	N.A.	14.0
BH (60-80)	4.0	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	436.8	N.A.	32.9
Total	1328.8	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle diagram on wall Grid Spacing: 3 ft.



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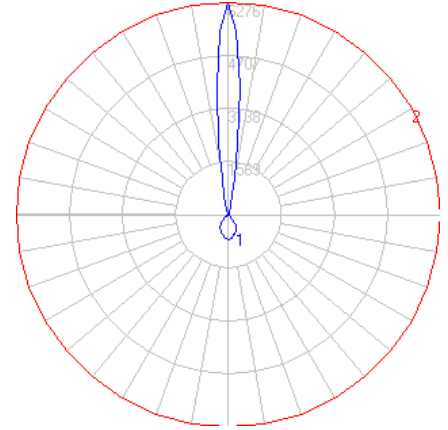
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BEGA

File: 24515K27_BEGA_IES.ies

TEST: BE_24515K4
TEST LAB: BEGA
DATE: 02/18/2021
LUMINAIRE: 24 515K27
LAMP: 17.7W LED



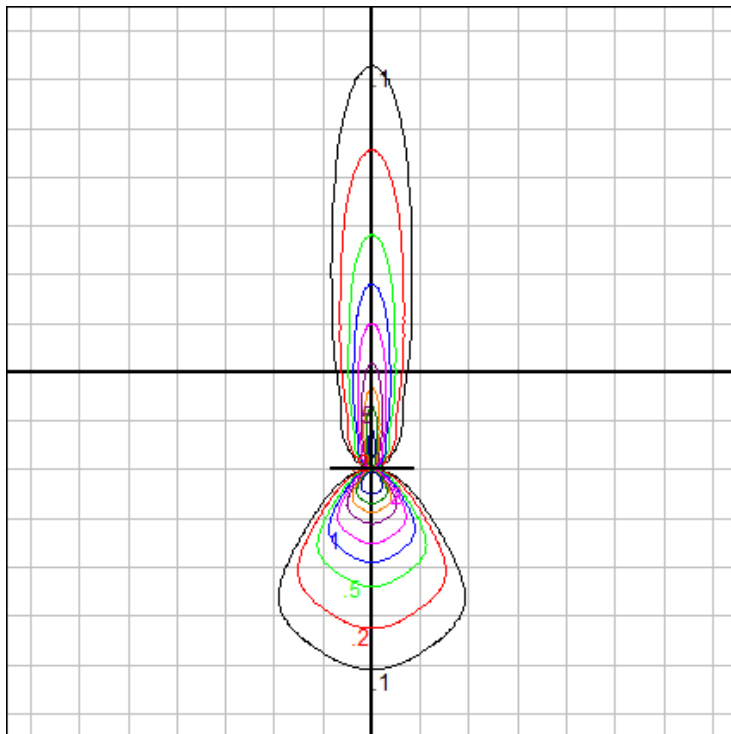
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1259
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	20
Ballast Factor	1.00
Upward Waste Light Ratio	0.33
Max. Cd.	6275.523 (0H, 180V)
Max. Cd. (<90 Vert.)	730.365 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.541 (0.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

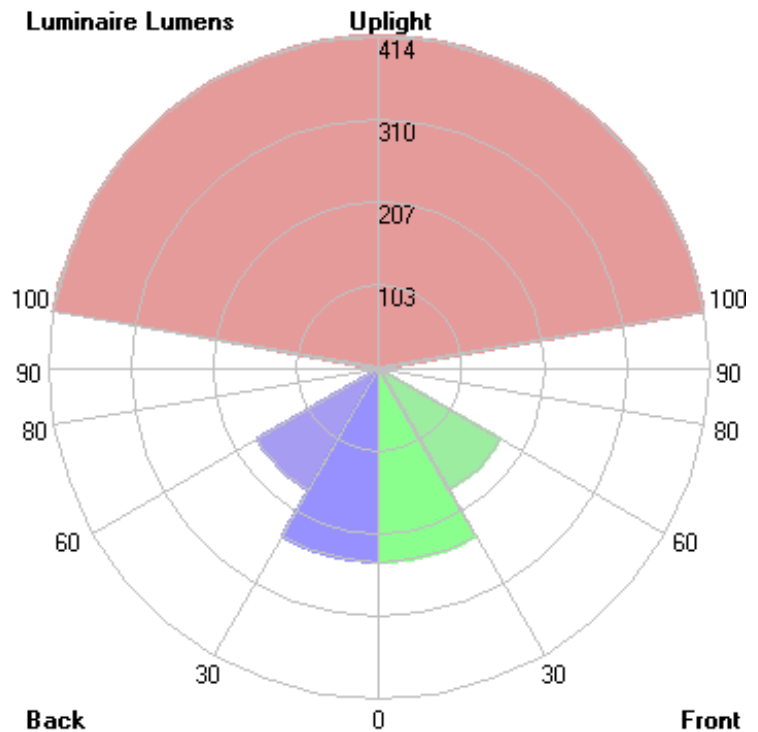
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	242.6	N.A.	19.3
FM (30-60)	176.0	N.A.	14.0
FH (60-80)	3.8	N.A.	0.3
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	242.6	N.A.	19.3
BM (30-60)	176.0	N.A.	14.0
BH (60-80)	3.8	N.A.	0.3
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	413.8	N.A.	32.9
Total	1258.8	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle diagram on wall Grid Spacing: 3 ft.



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