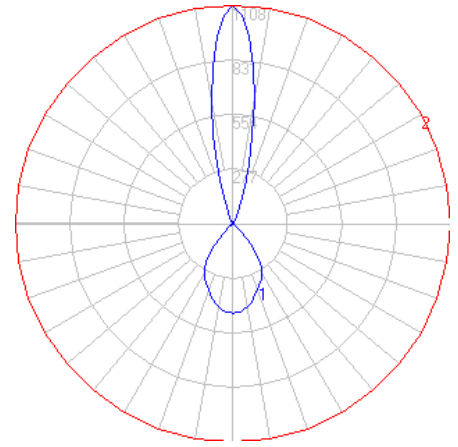


BEGA

File: 24518K4_BEGA_IES.ies

TEST: BE_24519K4
TEST LAB: BEGA
DATE: 12/03/2020
LUMINAIRE: 24 519K4
LAMP: 7.8W LED



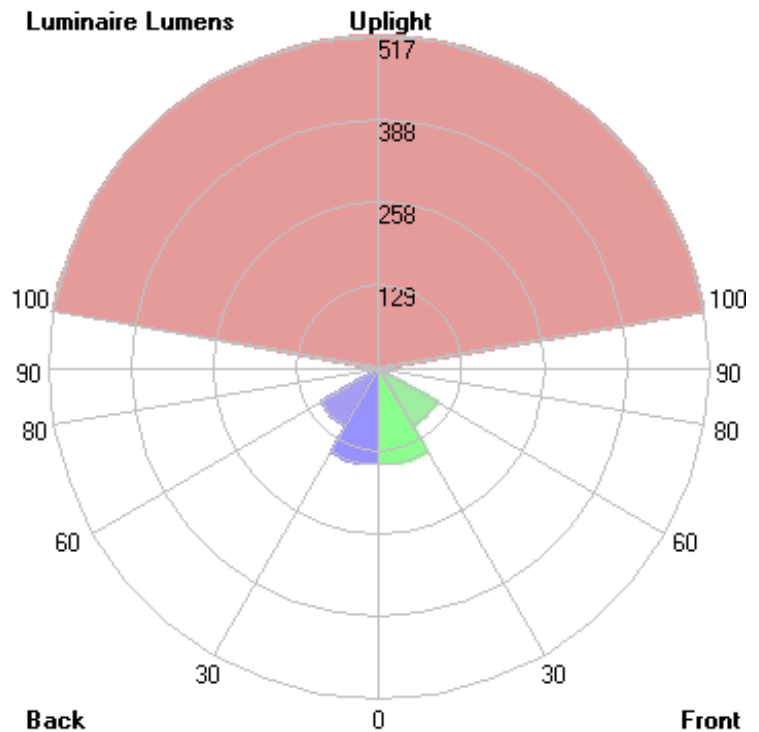
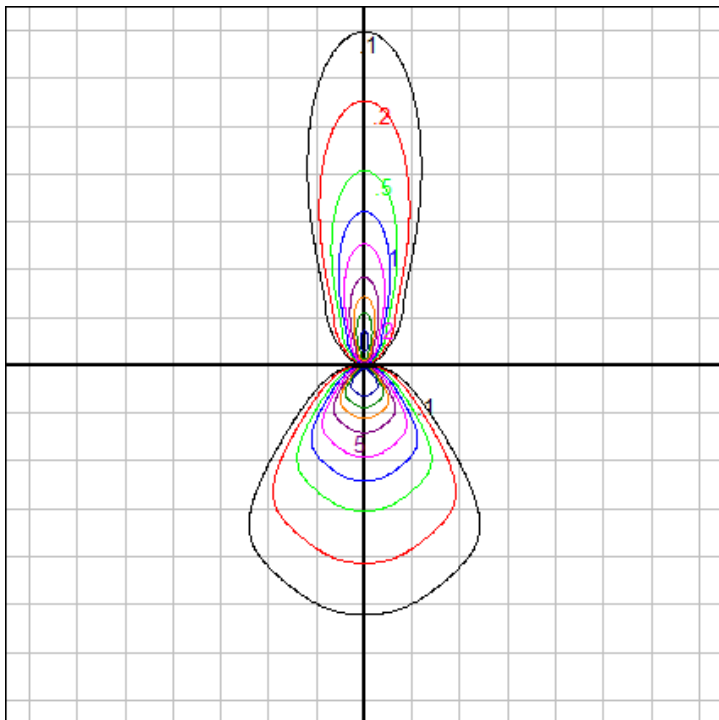
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	720
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	60
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.28
Max. Cd.	1108.2 (0H, 180V)
Max. Cd. (<90 Vert.)	457.1 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.4 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	152.3	N.A.	21.1
FM (30-60)	106.1	N.A.	14.7
FH (60-80)	2.5	N.A.	0.4
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	152.3	N.A.	21.1
BM (30-60)	106.1	N.A.	14.7
BH (60-80)	2.5	N.A.	0.4
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	198.2	N.A.	27.5
Total	720.2	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.

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

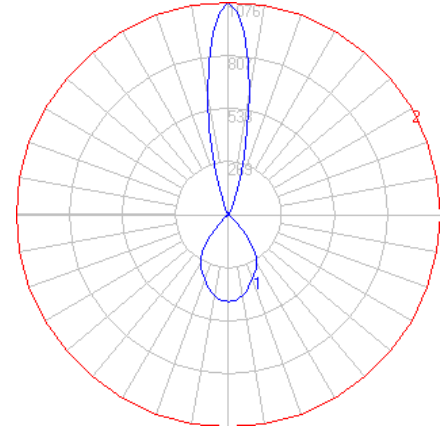
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BEGA

File: 24519K35_BEGA_IES.ies

TEST: BE_24519K4
 TEST LAB: BEGA
 DATE: 12/03/2020
 LUMINAIRE: 24 519K35
 LAMP: 7.8W LED



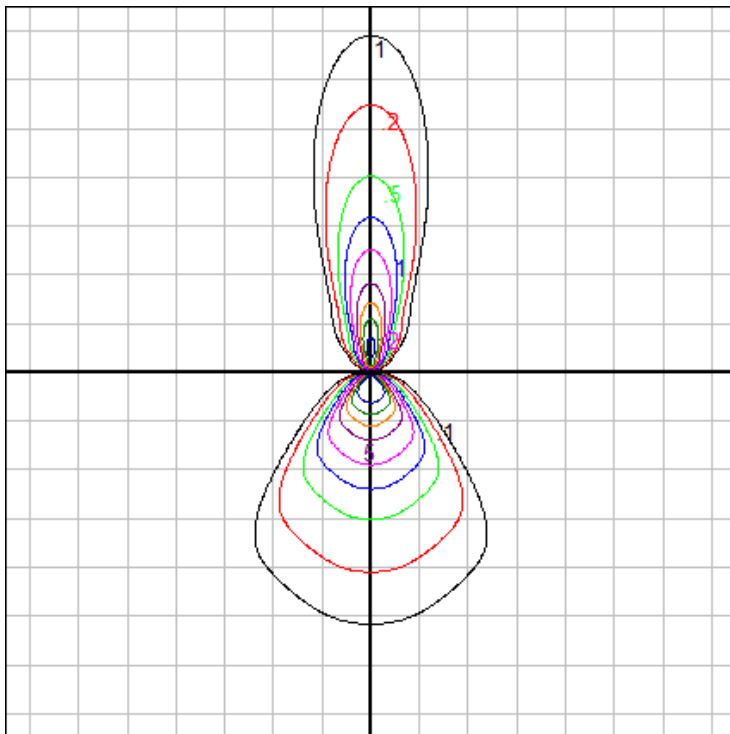
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	699
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	58
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.28
Max. Cd.	1075.841 (0H, 180V)
Max. Cd. (<90 Vert.)	443.753 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.388 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

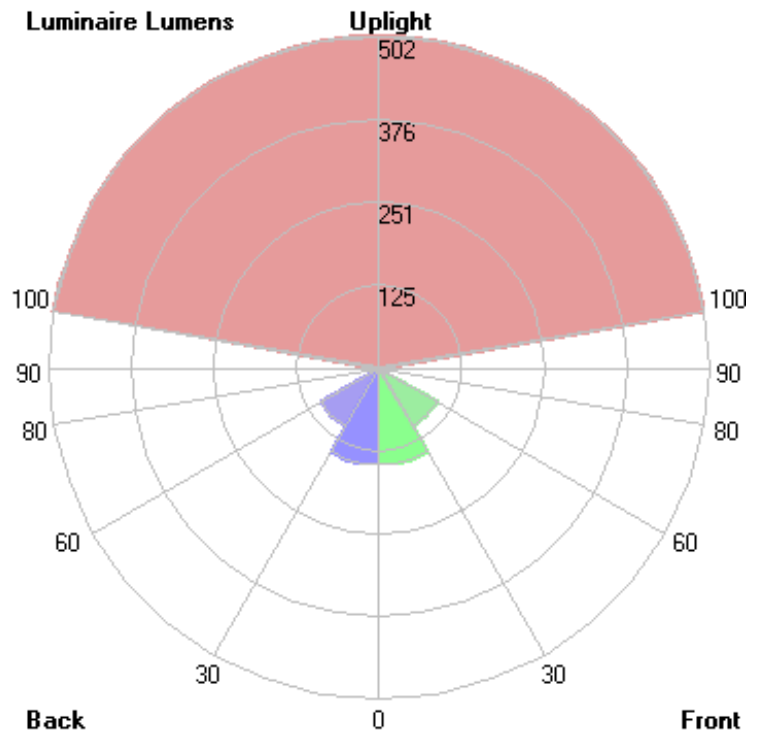
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	147.8	N.A.	21.1
FM (30-60)	103.0	N.A.	14.7
FH (60-80)	2.5	N.A.	0.4
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	147.8	N.A.	21.1
BM (30-60)	103.0	N.A.	14.7
BH (60-80)	2.5	N.A.	0.4
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	192.5	N.A.	27.5
Total	699.3	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.



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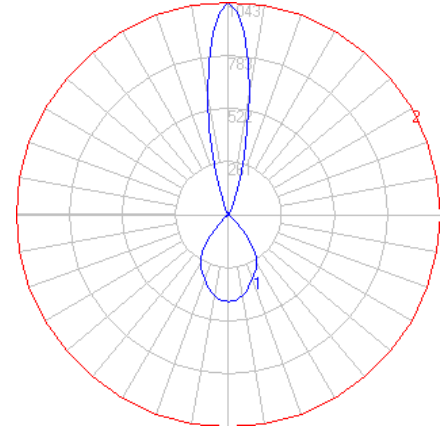
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File: 24519K3_BEGA_IES.ies

TEST: BE_24519K4
TEST LAB: BEGA
DATE: 12/03/2020
LUMINAIRE: 24 519K3
LAMP: 7.8W LED



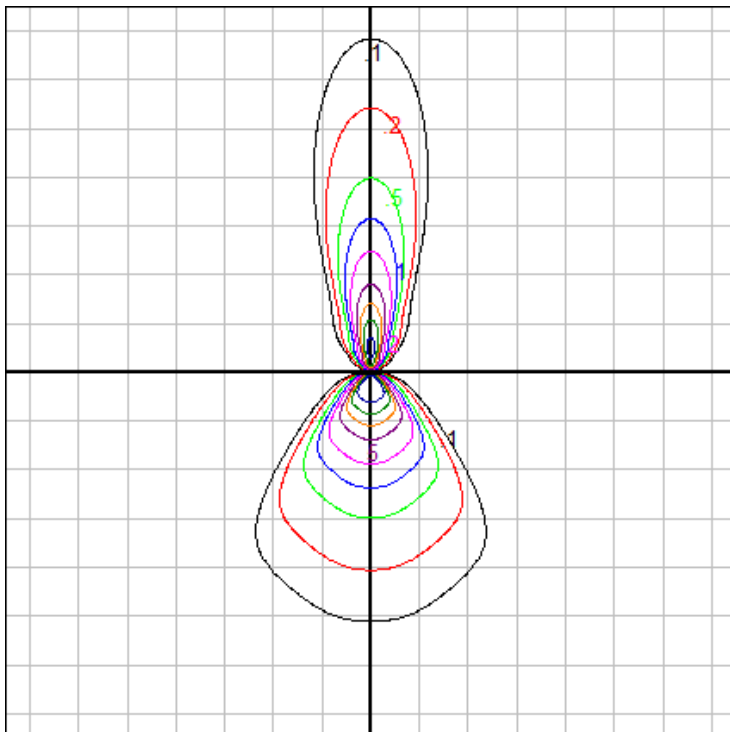
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	678
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	57
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.28
Max. Cd.	1043.481 (0H, 180V)
Max. Cd. (<90 Vert.)	430.405 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.377 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

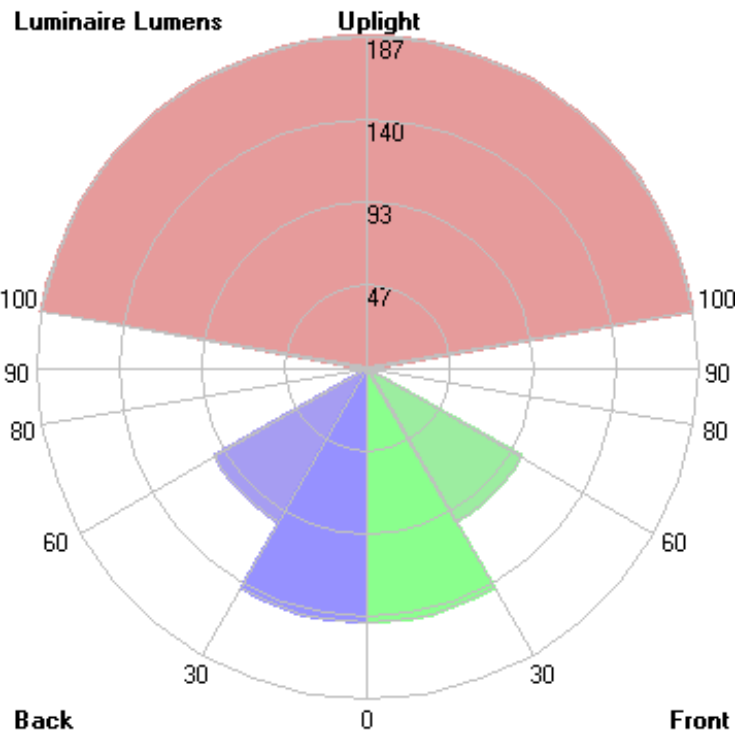
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	143.4	N.A.	21.1
FM (30-60)	99.9	N.A.	14.7
FH (60-80)	2.4	N.A.	0.4
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	143.4	N.A.	21.1
BM (30-60)	99.9	N.A.	14.7
BH (60-80)	2.4	N.A.	0.4
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	186.7	N.A.	27.5
Total	678.3	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.



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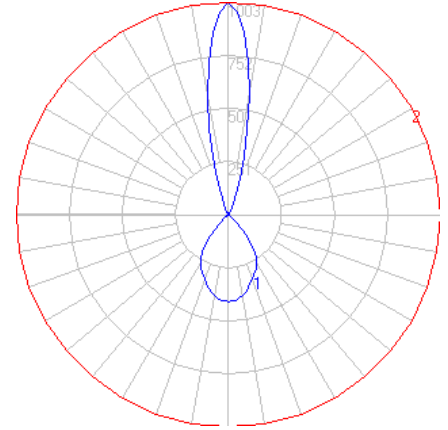
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BEGA

File: 24519K27_BEGA_IES.ies

TEST: BE_24519K4
TEST LAB: BEGA
DATE: 12/03/2020
LUMINAIRE: 24 519K27
LAMP: 7.8W LED



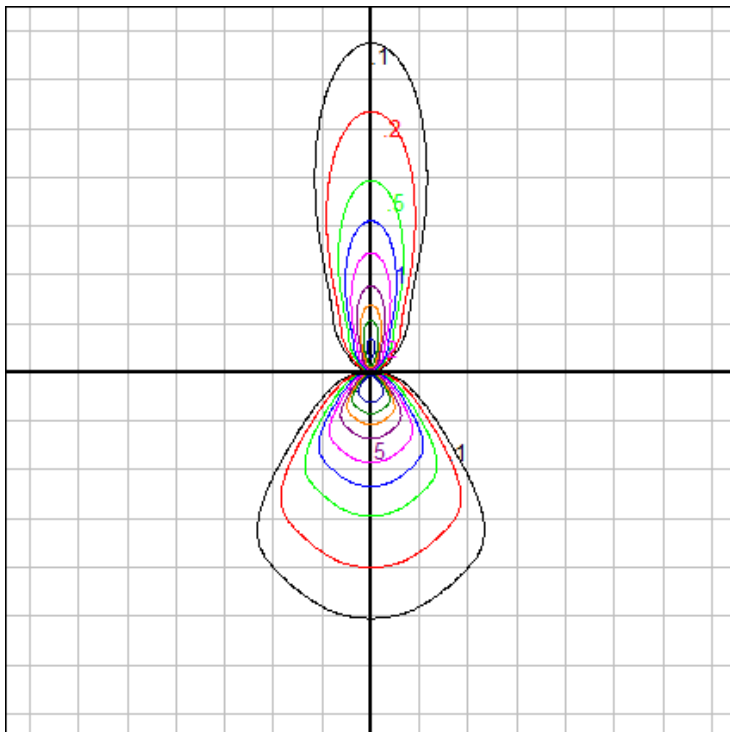
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	652
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	54
Total Luminaire Watts	12
Ballast Factor	1.00
Upward Waste Light Ratio	0.28
Max. Cd.	1002.921 (0H, 180V)
Max. Cd. (<90 Vert.)	413.675 (0H, 0V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	.362 (0.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

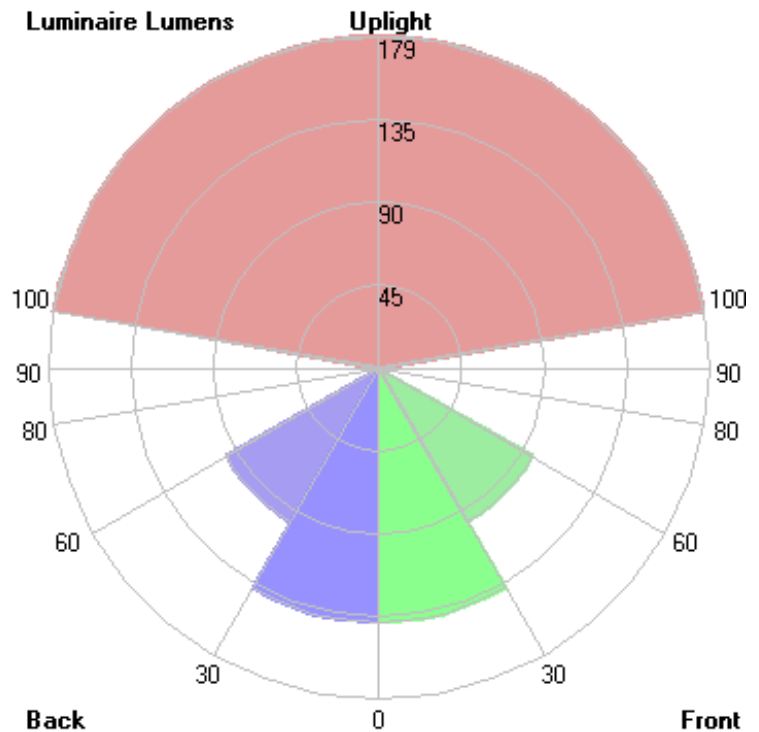
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	137.8	N.A.	21.1
FM (30-60)	96.0	N.A.	14.7
FH (60-80)	2.3	N.A.	0.4
FVH(80-90)	0.1	N.A.	0.0
BL (0-30)	137.8	N.A.	21.1
BM (30-60)	96.0	N.A.	14.7
BH (60-80)	2.3	N.A.	0.4
BVH(80-90)	0.1	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	179.4	N.A.	27.5
Total	651.8	N.A.	100.0

BUG Rating B1-U3-G0



Isofootcandle grid on wall

Grid Spacing: 2 ft.



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