

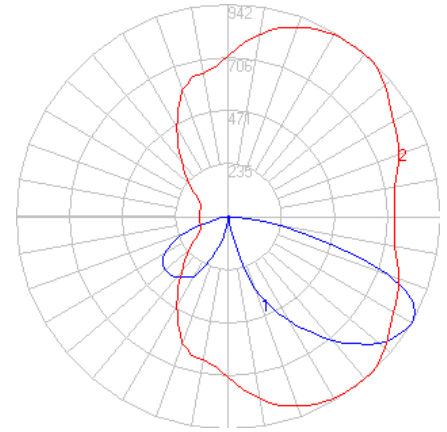
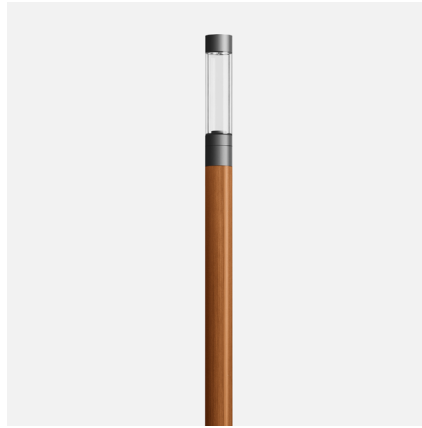
BEGA

File: 84495K4_BEGA_IES.ies

TEST: BE_84495K4
TEST LAB: BEGA
DATE: 6/22/2018
LUMINAIRE: 84 495K4
LAMP: 19.5W LED

Characteristics

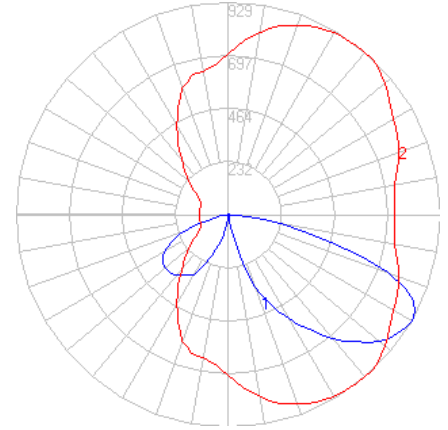
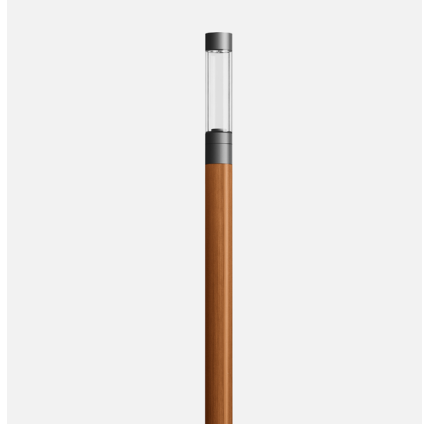
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2358
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	941.9 (310H, 60V)
Max. Cd. (<90 Vert.)	941.9 (310H, 60V)
Max. Cd. (At 90 Deg. Vert.)	6.8 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	261.3 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)



BEGA

File: 84495K35_BEGA_IES.ies

TEST: BE_84495K4
TEST LAB: BEGA
DATE: 6/22/2018
LUMINAIRE: 84 495K35
LAMP: 19.5W LED



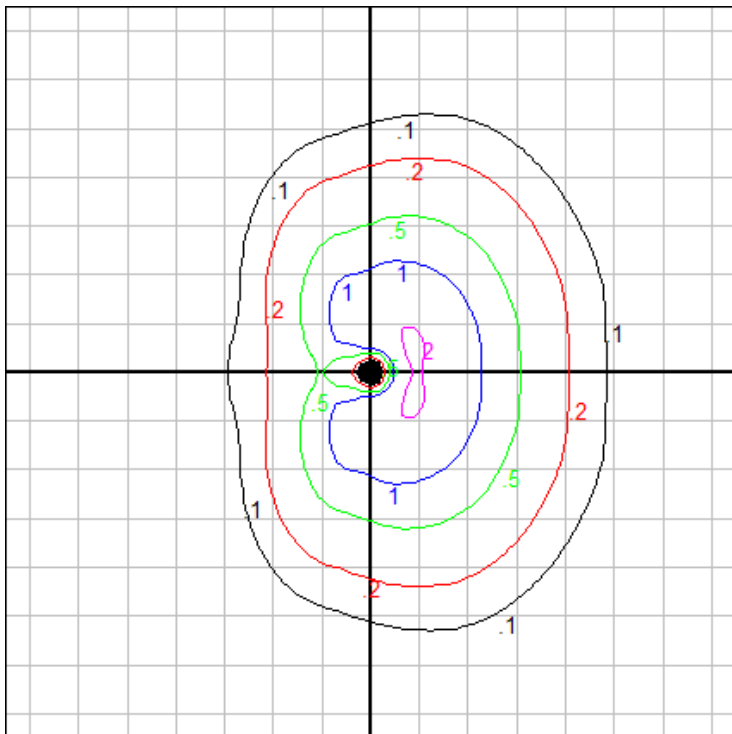
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2325
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	97
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	928.713 (310H, 60V)
Max. Cd. (<90 Vert.)	928.713 (310H, 60V)
Max. Cd. (At 90 Deg. Vert.)	6.705 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	257.642 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

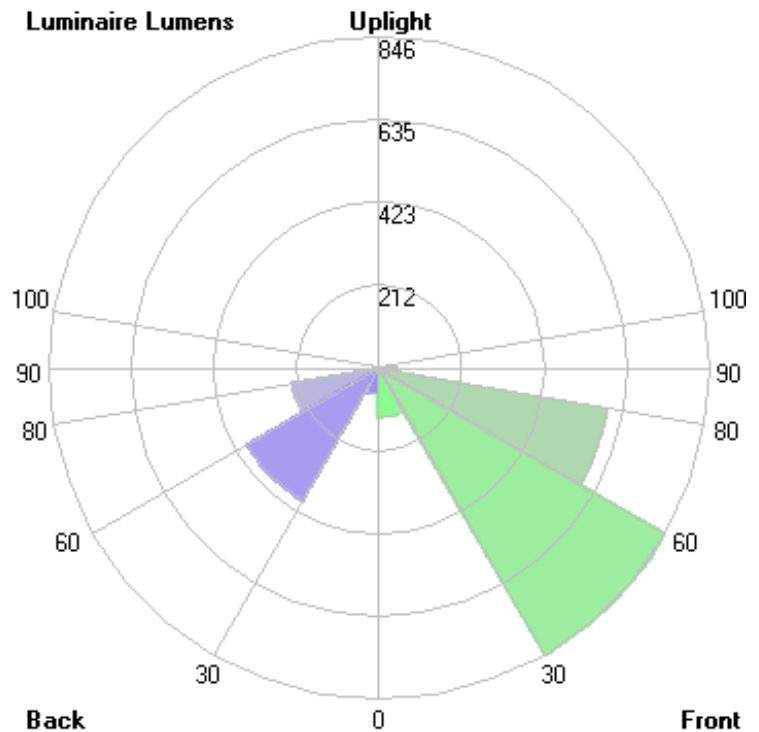
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	126.8	N.A.	5.5
FM (30-60)	846.3	N.A.	36.4
FH (60-80)	595.3	N.A.	25.6
FVH (80-90)	45.9	N.A.	2.0
BL (0-30)	67.5	N.A.	2.9
BM (30-60)	391.4	N.A.	16.8
BH (60-80)	225.7	N.A.	9.7
BVH (80-90)	19.1	N.A.	0.8
UL (90-100)	3.6	N.A.	0.2
UH (100-180)	3.7	N.A.	0.2
Total	2325.3	N.A.	100.0

BUG Rating B1-U1-G1



Grid Spacing: 7.5 ft.



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

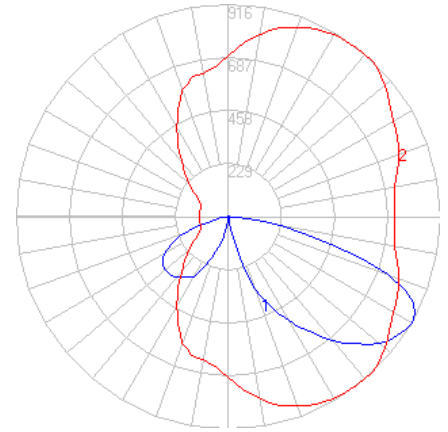
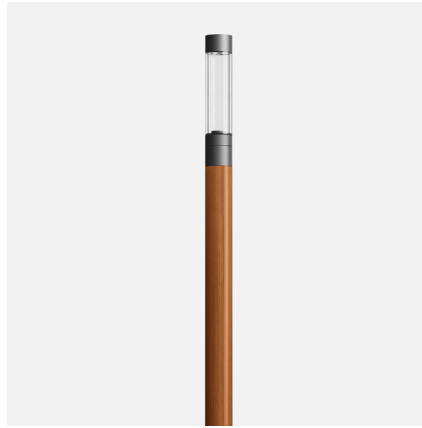
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BEGA

File: 84495K3_BEGA_IES.ies

TEST: BE_84495K4
TEST LAB: BEGA
DATE: 6/22/2018
LUMINAIRE: 84 495K3
LAMP: 19.5W LED



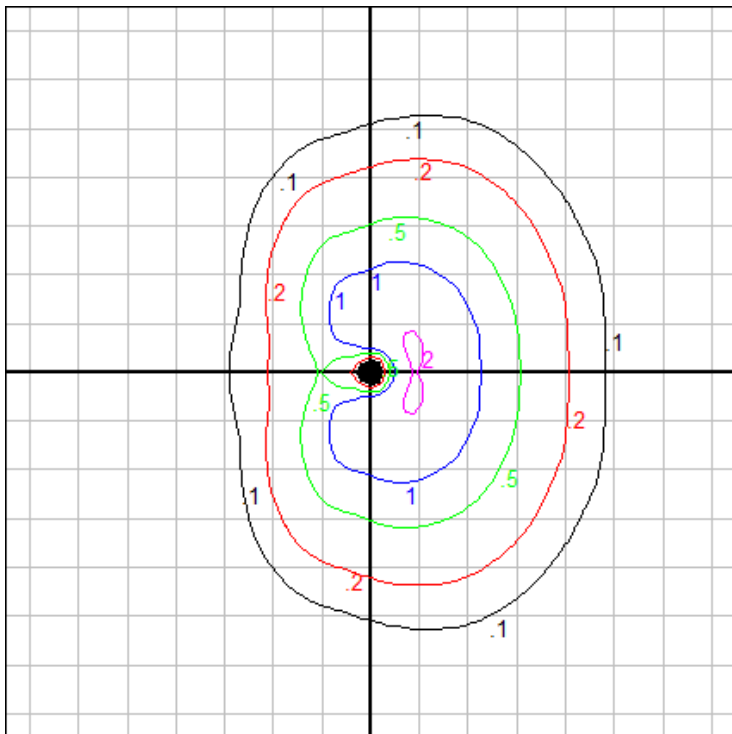
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2292
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	915.527 (310H, 60V)
Max. Cd. (<90 Vert.)	915.527 (310H, 60V)
Max. Cd. (At 90 Deg. Vert.)	6.61 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	253.984 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

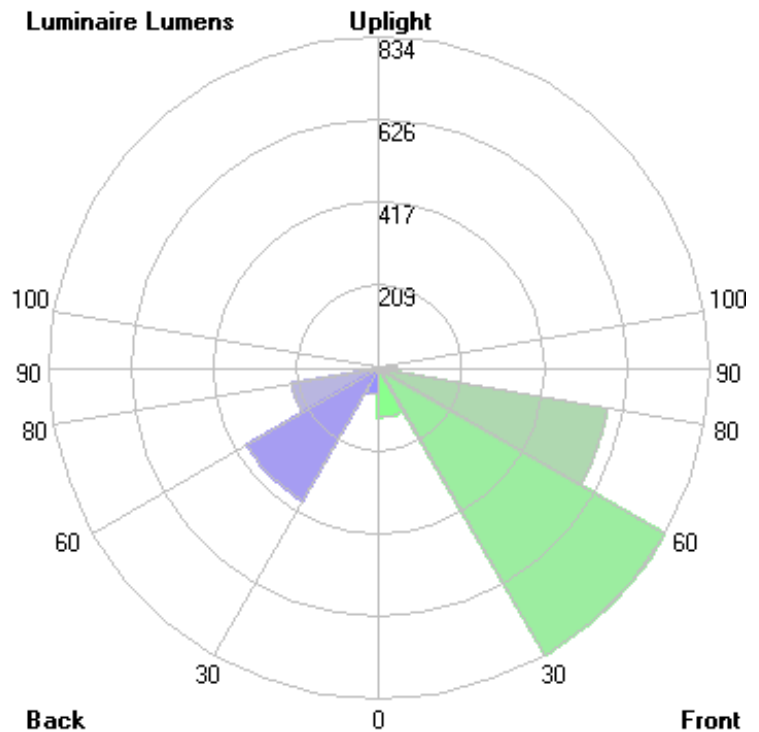
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	125.0	N.A.	5.5
FM (30-60)	834.3	N.A.	36.4
FH (60-80)	586.8	N.A.	25.6
FVH (80-90)	45.2	N.A.	2.0
BL (0-30)	66.5	N.A.	2.9
BM (30-60)	385.9	N.A.	16.8
BH (60-80)	222.5	N.A.	9.7
BVH (80-90)	18.8	N.A.	0.8
UL (90-100)	3.5	N.A.	0.2
UH (100-180)	3.7	N.A.	0.2
Total	2292.2	N.A.	100.0

BUG Rating B1-U1-G1



Grid Spacing: 7.5 ft.



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

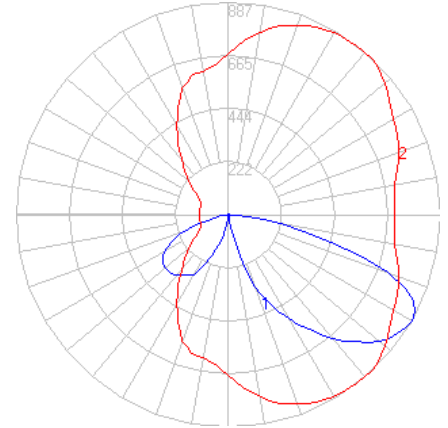
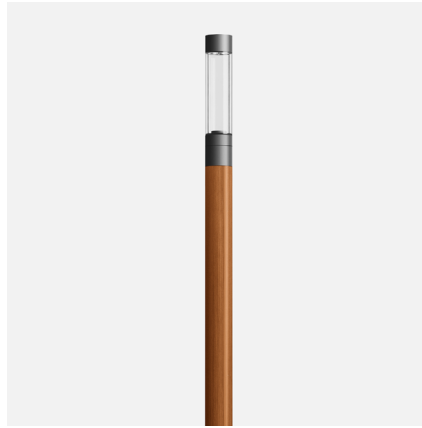
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BEGA

File: 84495K27_BEGA_IES.ies

TEST: BE_84495K4
TEST LAB: BEGA
DATE: 6/22/2018
LUMINAIRE: 84 495K27
LAMP: 19.5W LED



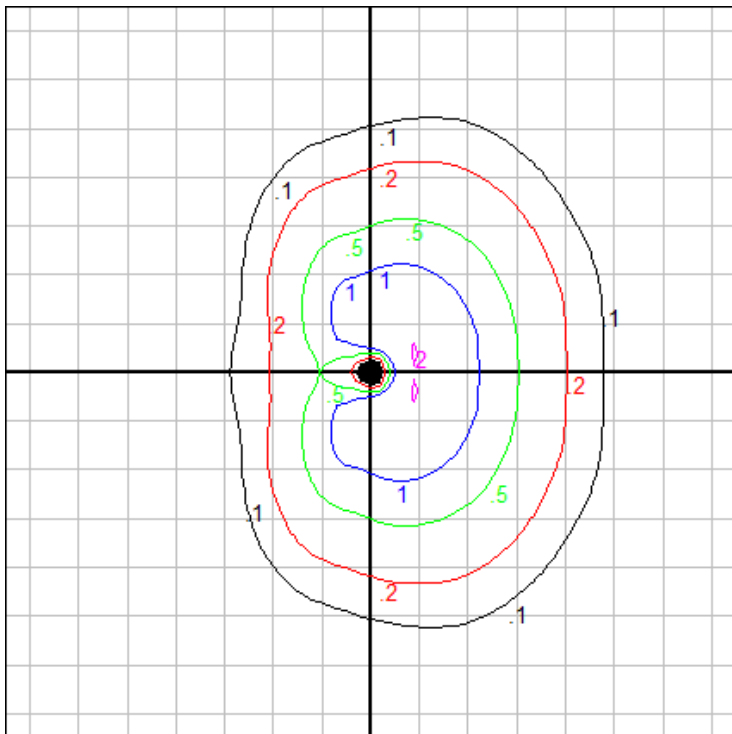
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2221
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	887.27 (310H, 60V)
Max. Cd. (<90 Vert.)	887.27 (310H, 60V)
Max. Cd. (At 90 Deg. Vert.)	6.406 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	246.145 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

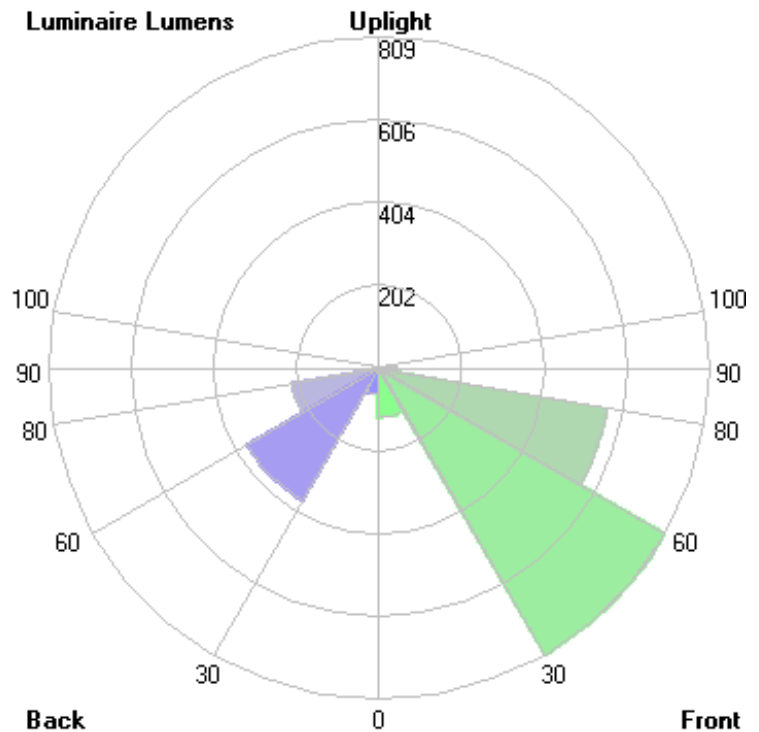
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	121.2	N.A.	5.5
FM (30-60)	808.5	N.A.	36.4
FH (60-80)	568.7	N.A.	25.6
FVH (80-90)	43.8	N.A.	2.0
BL (0-30)	64.4	N.A.	2.9
BM (30-60)	374.0	N.A.	16.8
BH (60-80)	215.6	N.A.	9.7
BVH (80-90)	18.2	N.A.	0.8
UL (90-100)	3.4	N.A.	0.2
UH (100-180)	3.6	N.A.	0.2
Total	2221.4	N.A.	100.0

BUG Rating B1-U1-G1



Grid Spacing: 7.5 ft.



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