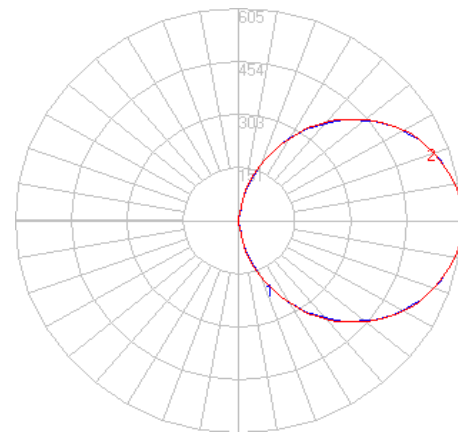
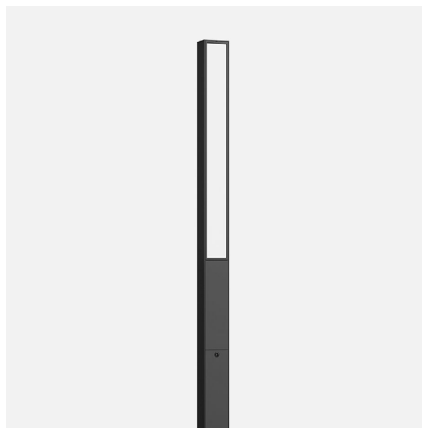


BEGA

File: 84563K4_BEGA_IES.ies

TEST: BE_84563K4
TEST LAB: BEGA
DATE: 9/3/2020
LUMINAIRE: 84 563K4
LAMP: 22.5W LED



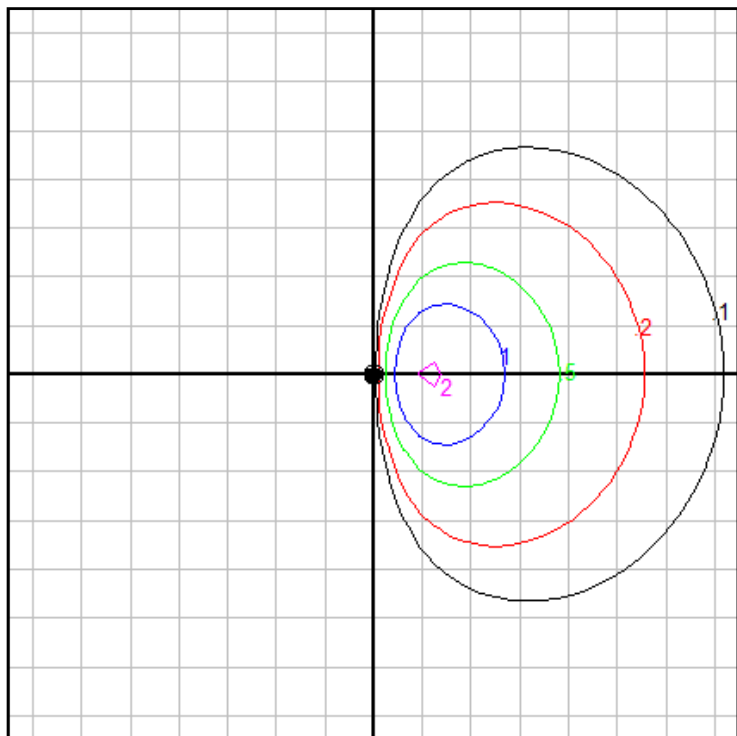
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1733
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	605.1 (360H, 90V)
Max. Cd. (<90 Vert.)	604.9 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	605.1 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	604.9 (34.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

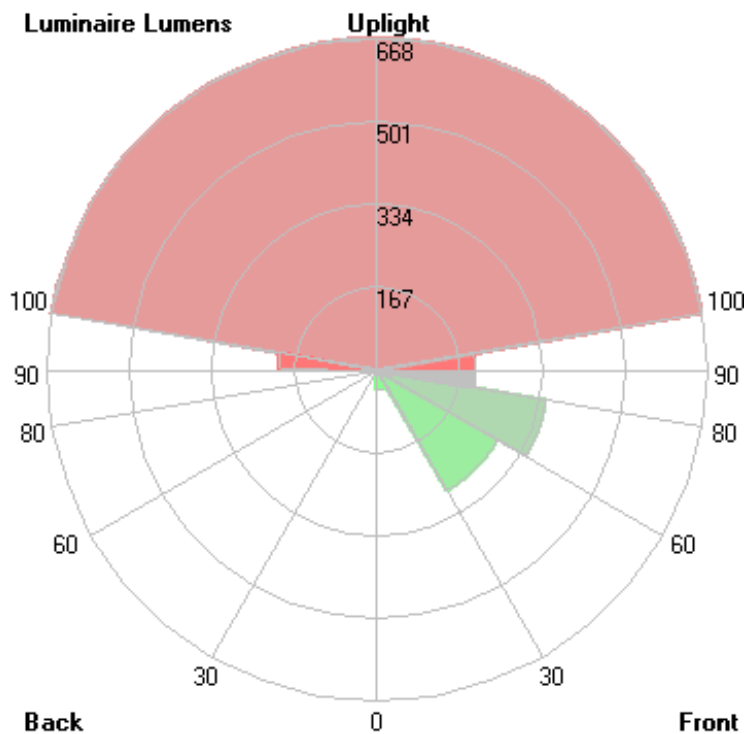
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	39.2	N.A.	2.3
FM (30-60)	281.4	N.A.	16.2
FH (60-80)	347.0	N.A.	20.0
FVH(80-90)	198.6	N.A.	11.5
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	0.1	N.A.	0.0
BH (60-80)	0.1	N.A.	0.0
BVH(80-90)	< 0.05	N.A.	0.0
UL (90-100)	198.7	N.A.	11.5
UH (100-180)	667.7	N.A.	38.5
Total	1732.8	N.A.	100.0

BUG Rating B0-U4-G2



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

File: 84563K35_BEGA_IES.ies

TEST: BE_84563K4
TEST LAB: BEGA
DATE: 9/3/2020
LUMINAIRE: 84 563K35
LAMP: 22.5W LED

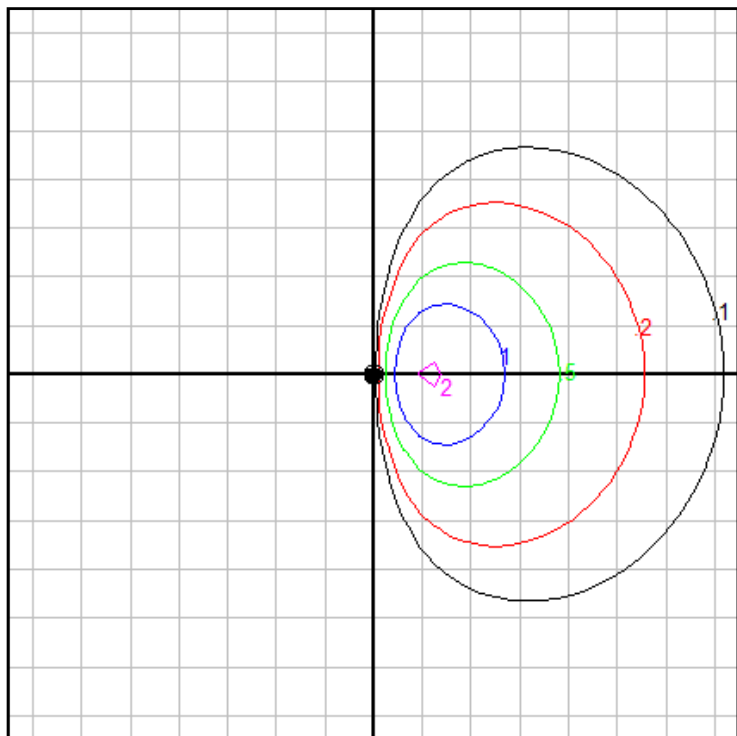
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1672
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	583.921 (360H, 90V)
Max. Cd. (<90 Vert.)	583.728 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	583.921 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	583.728 (34.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

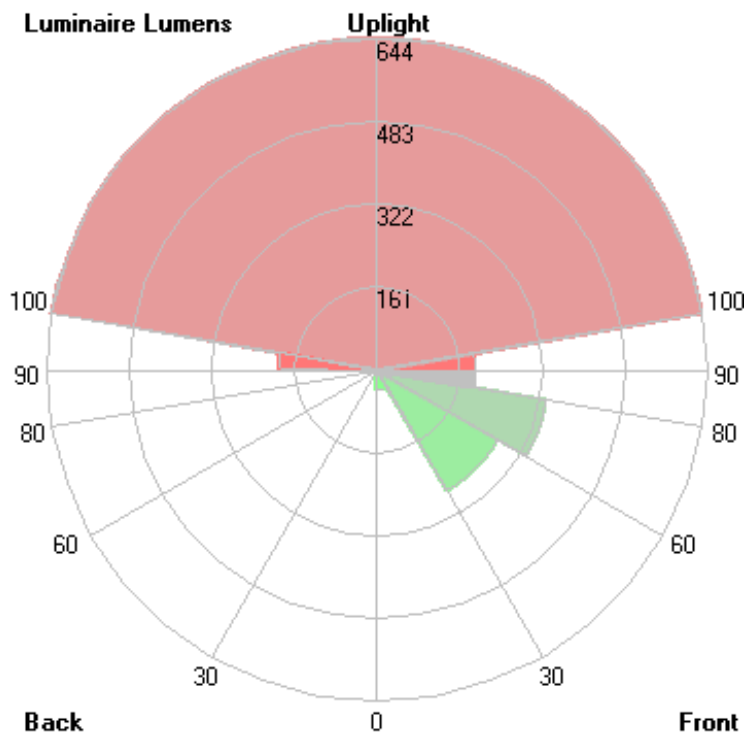
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	37.8	N.A.	2.3
FM (30-60)	271.5	N.A.	16.2
FH (60-80)	334.8	N.A.	20.0
FVH(80-90)	191.7	N.A.	11.5
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	0.1	N.A.	0.0
BH (60-80)	0.1	N.A.	0.0
BVH(80-90)	< 0.05	N.A.	0.0
UL (90-100)	191.7	N.A.	11.5
UH (100-180)	644.3	N.A.	38.5
Total	1672.0	N.A.	100.0

BUG Rating B0-U4-G2



Grid Spacing: 5 ft.



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

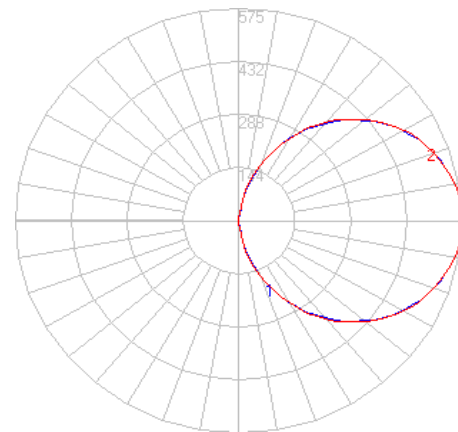
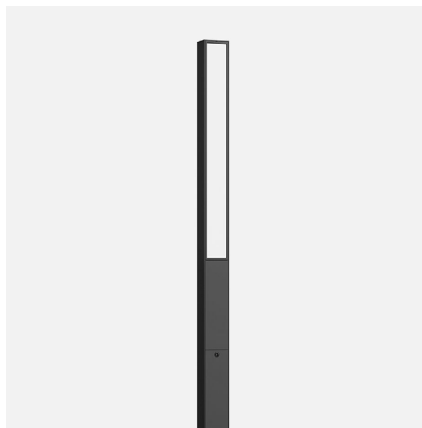
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File: 84563K3_BEGA_IES.ies

TEST: BE_84573K4
TEST LAB: BEGA
DATE: 9/3/2020
LUMINAIRE: 84 573K3
LAMP: 22.5W LED



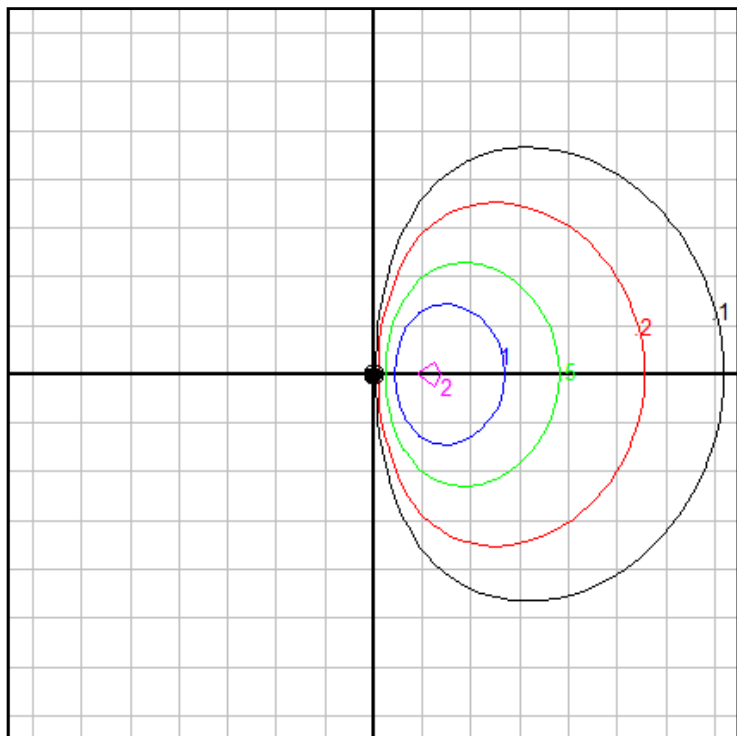
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1648
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	61
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	575.45 (360H, 90V)
Max. Cd. (<90 Vert.)	575.26 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	575.45 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	575.26 (34.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

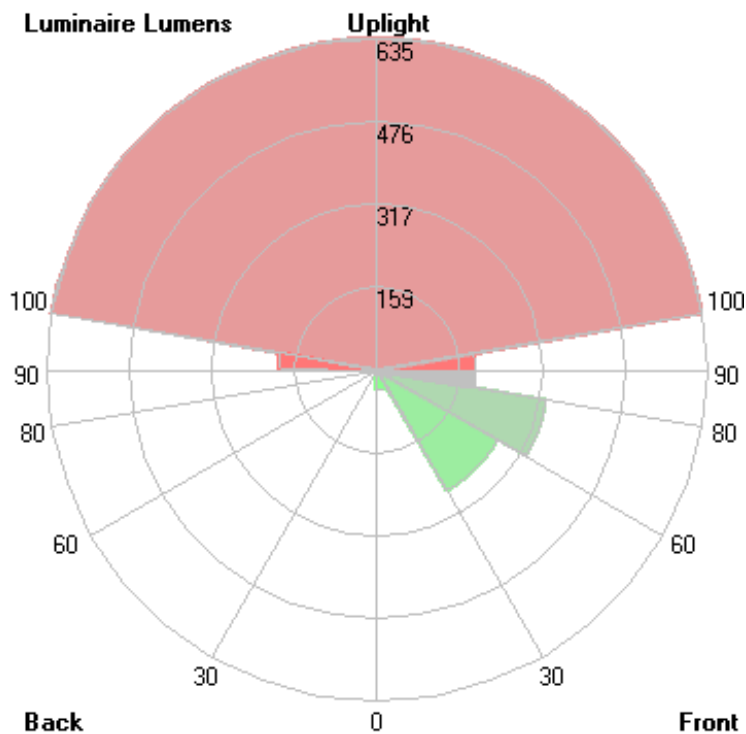
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	37.2	N.A.	2.3
FM (30-60)	267.6	N.A.	16.2
FH (60-80)	329.9	N.A.	20.0
FVH(80-90)	188.9	N.A.	11.5
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	0.1	N.A.	0.0
BH (60-80)	0.1	N.A.	0.0
BVH(80-90)	< 0.05	N.A.	0.0
UL (90-100)	188.9	N.A.	11.5
UH (100-180)	634.9	N.A.	38.5
Total	1647.6	N.A.	100.0

BUG Rating B0-U4-G2



Grid Spacing: 5 ft.



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BEGA

File: 84563K27_BEGA_IES.ies

TEST: BE_84563K4
TEST LAB: BEGA
DATE: 9/3/2020
LUMINAIRE: 84 563K27
LAMP: 22.5W LED

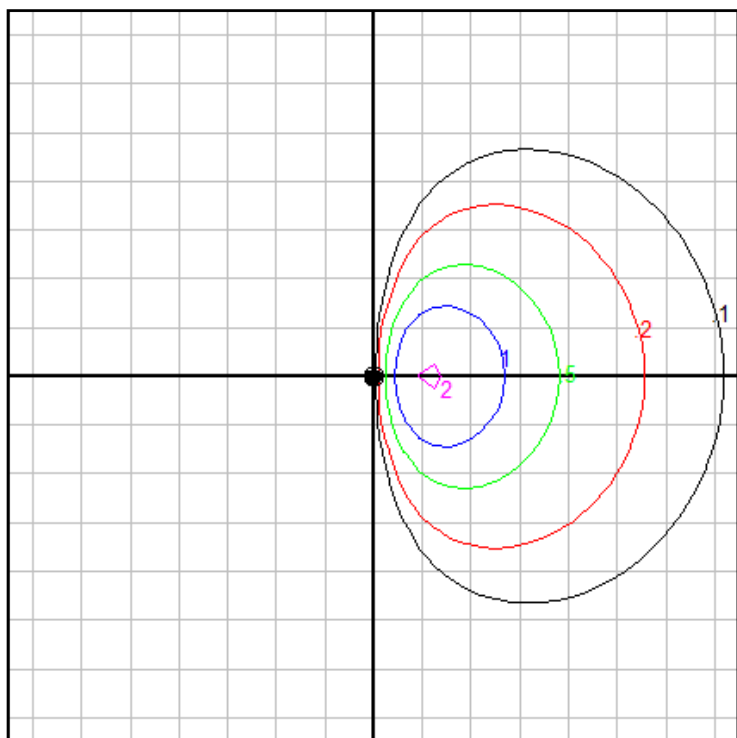
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1599
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	59
Total Luminaire Watts	27
Ballast Factor	1.00
Upward Waste Light Ratio	0.50
Max. Cd.	558.507 (360H, 90V)
Max. Cd. (<90 Vert.)	558.323 (360H, 87.5V)
Max. Cd. (At 90 Deg. Vert.)	558.507 (34.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	558.323 (34.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

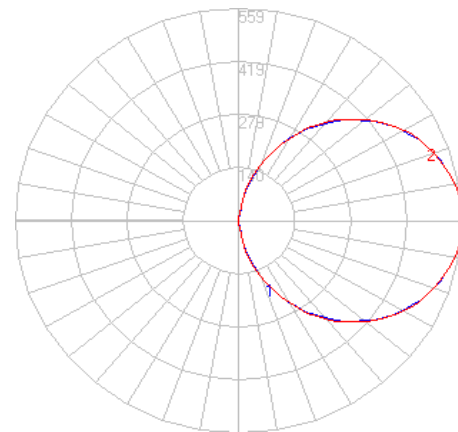
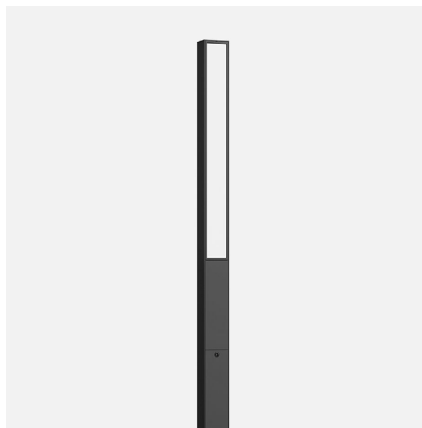
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	36.2	N.A.	2.3
FM (30-60)	259.7	N.A.	16.2
FH (60-80)	320.2	N.A.	20.0
FVH(80-90)	183.3	N.A.	11.5
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	0.1	N.A.	0.0
BH (60-80)	0.1	N.A.	0.0
BVH(80-90)	< 0.05	N.A.	0.0
UL (90-100)	183.3	N.A.	11.5
UH (100-180)	616.2	N.A.	38.5
Total	1599.1	N.A.	100.0

BUG Rating B0-U4-G2



Grid Spacing: 5 ft.



Luminaire Lumens

Uplight

