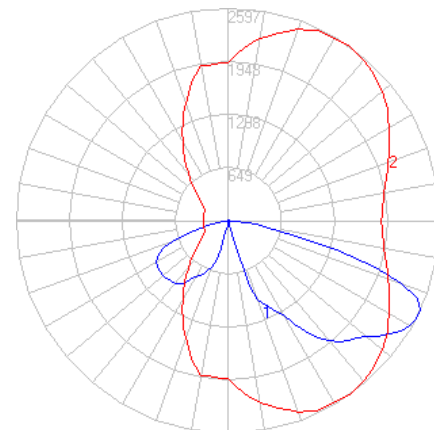


BEGA

File: 84820K4_BEGA_IES.ies

TEST: BE_84820K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 820K4
LAMP: 46.8W LED



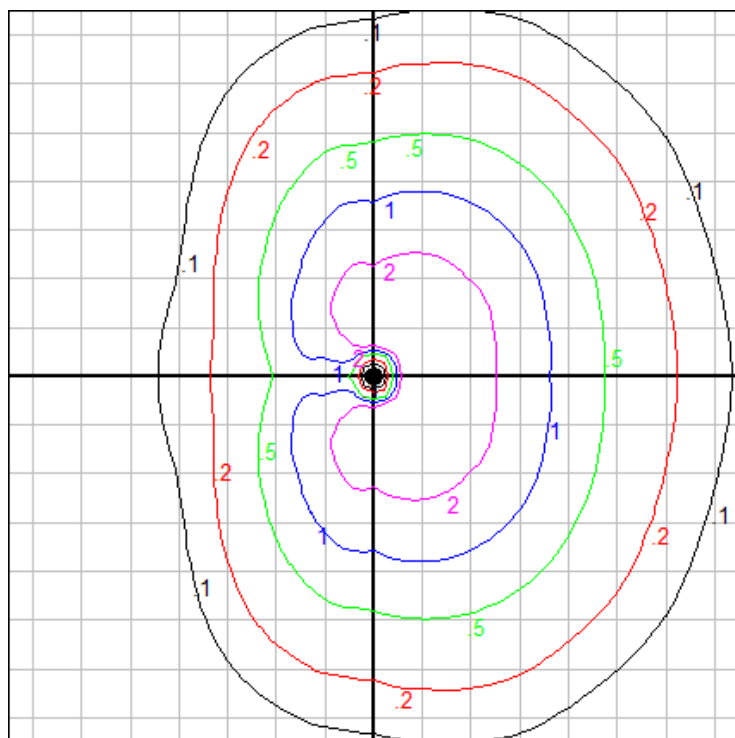
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6392
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	114
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2596.8 (305H, 65V)
Max. Cd. (<90 Vert.)	2596.8 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	10.6 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	559.1 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

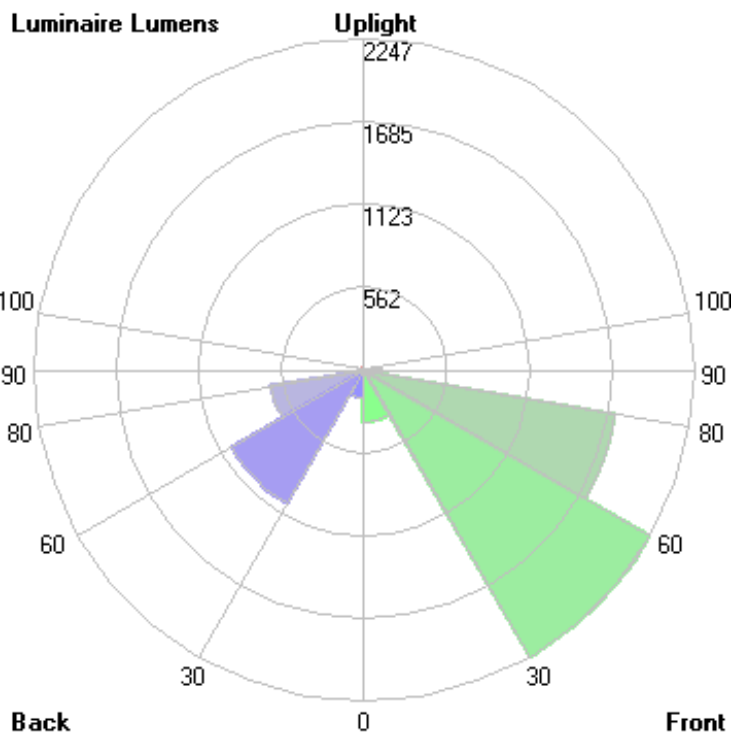
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	353.4	N.A.	5.5
FM (30-60)	2246.6	N.A.	35.1
FH (60-80)	1735.5	N.A.	27.2
FVH (80-90)	118.5	N.A.	1.9
BL (0-30)	188.5	N.A.	2.9
BM (30-60)	1043.1	N.A.	16.3
BH (60-80)	643.2	N.A.	10.1
BVH (80-90)	43.7	N.A.	0.7
UL (90-100)	6.0	N.A.	0.1
UH (100-180)	13.0	N.A.	0.2
Total	6391.5	N.A.	100.0

BUG Rating B2-U2-G2



Shown on pole 84721 (196-1/2" OAH) | Grid Spacing: 7.5 ft.



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

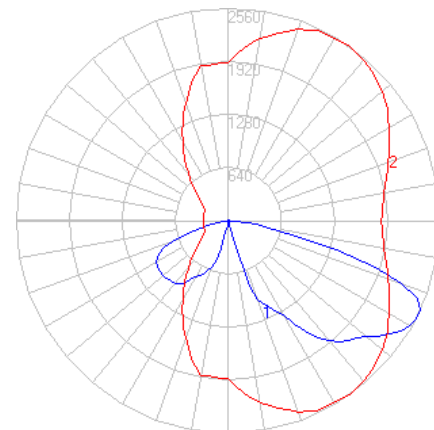
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BEGA

File: 84820K35_BEGA_IES.ies

TEST: BE_84820K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 820K35
LAMP: 46.8W LED



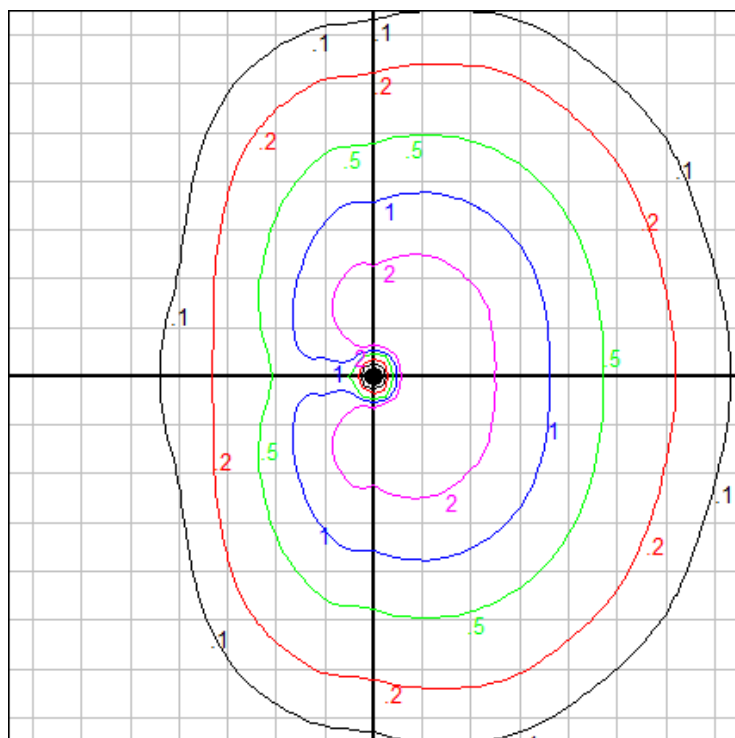
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6302
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	113
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2560.445 (305H, 65V)
Max. Cd. (<90 Vert.)	2560.445 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	10.452 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	551.273 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

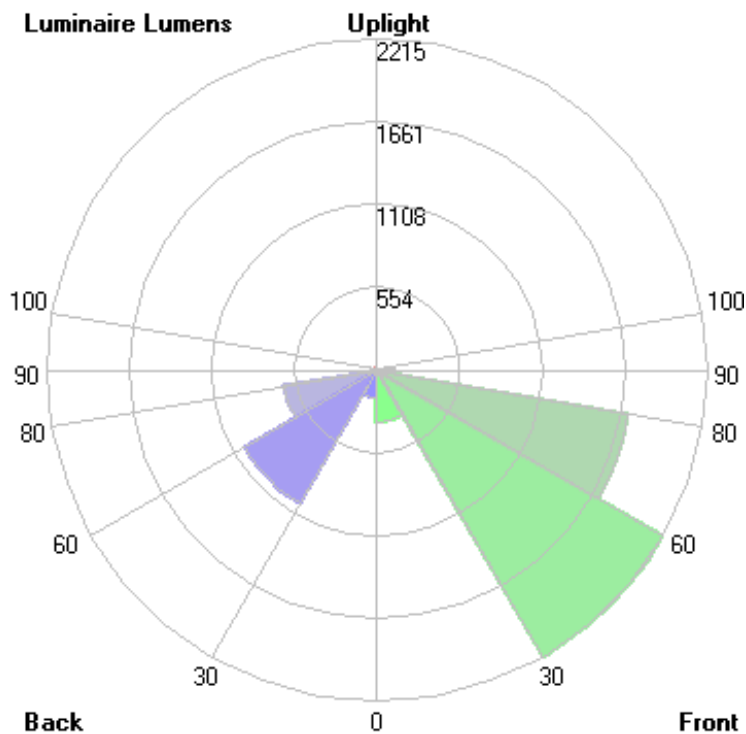
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	348.5	N.A.	5.5
FM (30-60)	2215.1	N.A.	35.1
FH (60-80)	1711.2	N.A.	27.2
FVH (80-90)	116.9	N.A.	1.9
BL (0-30)	185.9	N.A.	2.9
BM (30-60)	1028.5	N.A.	16.3
BH (60-80)	634.2	N.A.	10.1
BVH (80-90)	43.1	N.A.	0.7
UL (90-100)	5.9	N.A.	0.1
UH (100-180)	12.9	N.A.	0.2
Total	6302.2	N.A.	100.0

BUG Rating B2-U2-G2



Shown on pole 84721 (196-1/2" OAH) | Grid Spacing: 7.5 ft.

Luminaire Lumens



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

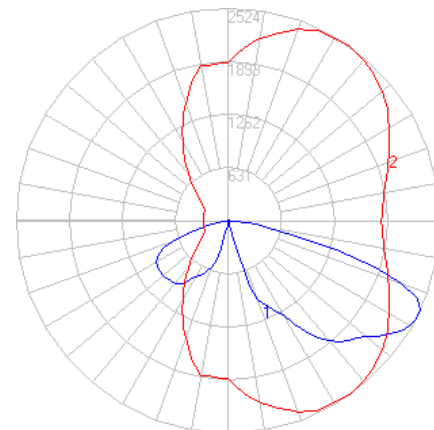
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File: 84820K3_BEGA_IES.ies

TEST: BE_84820K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 820K3
LAMP: 46.8W LED



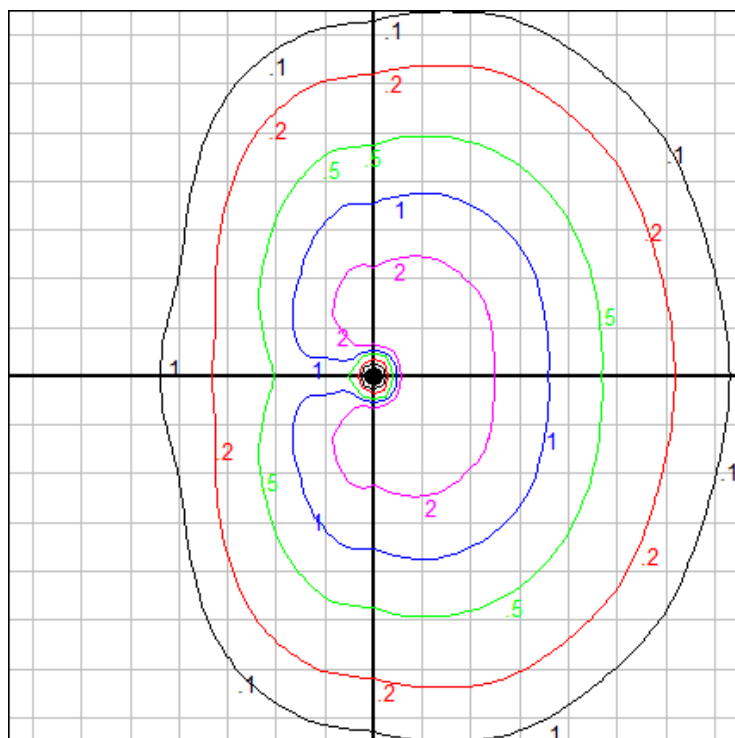
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6213
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	111
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2524.09 (305H, 65V)
Max. Cd. (<90 Vert.)	2524.09 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	10.303 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	543.445 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

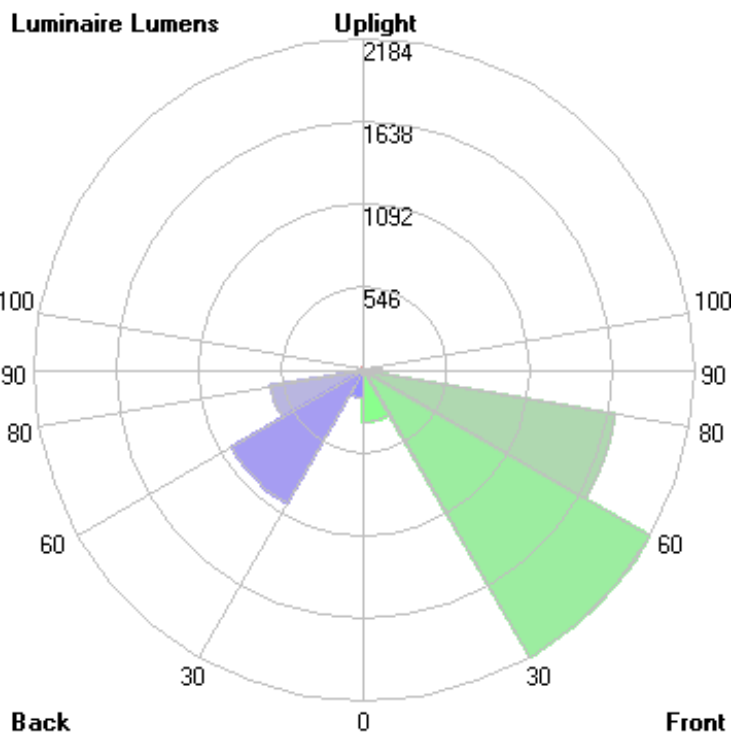
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	343.5	N.A.	5.5
FM (30-60)	2183.7	N.A.	35.2
FH (60-80)	1686.9	N.A.	27.2
FVH (80-90)	115.2	N.A.	1.9
BL (0-30)	183.2	N.A.	2.9
BM (30-60)	1013.8	N.A.	16.3
BH (60-80)	625.2	N.A.	10.1
BVH (80-90)	42.5	N.A.	0.7
UL (90-100)	5.8	N.A.	0.1
UH (100-180)	12.7	N.A.	0.2
Total	6212.5	N.A.	100.0

BUG Rating B2-U2-G2



Shown on pole 84721 (196-1/2" OAH) | Grid Spacing: 7.5 ft.



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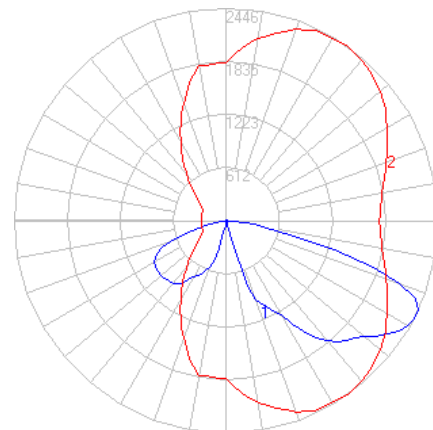
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File: 84820K27_BEGA_IES.ies

TEST: BE_84820K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 820K27
LAMP: 46.8W LED



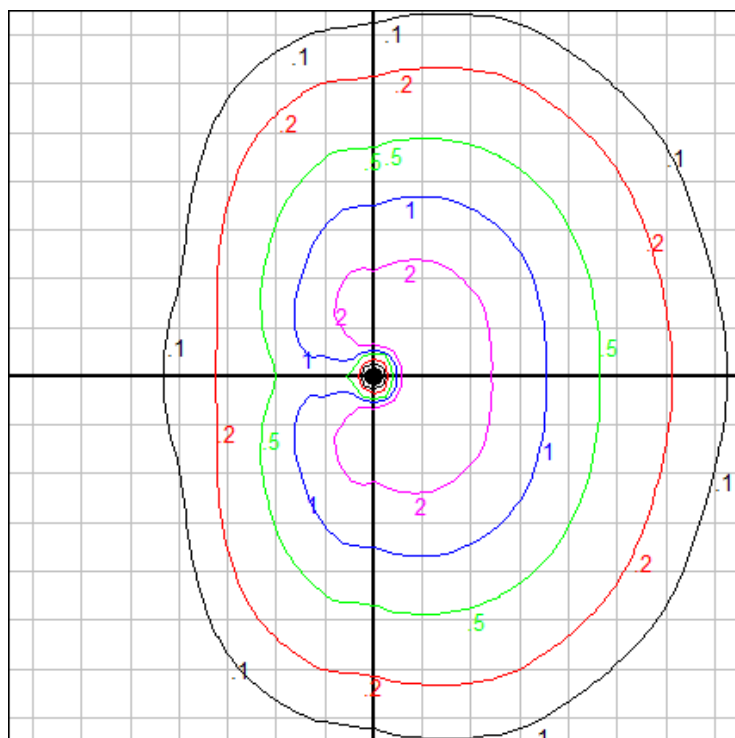
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6021
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	108
Total Luminaire Watts	56
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2446.186 (305H, 65V)
Max. Cd. (<90 Vert.)	2446.186 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	9.985 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	526.672 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

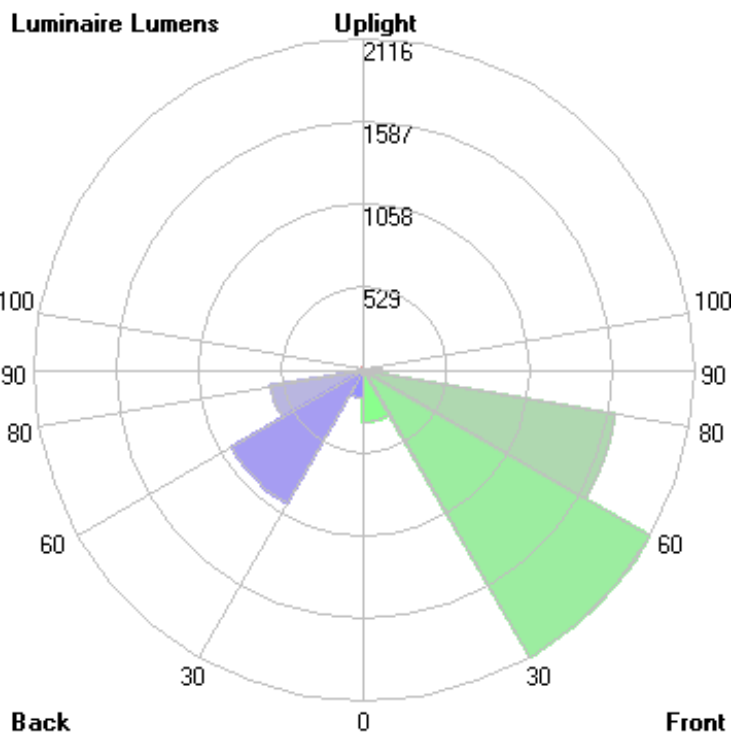
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	332.9	N.A.	5.5
FM (30-60)	2116.3	N.A.	35.1
FH (60-80)	1634.8	N.A.	27.2
FVH (80-90)	111.7	N.A.	1.9
BL (0-30)	177.6	N.A.	2.9
BM (30-60)	982.6	N.A.	16.3
BH (60-80)	605.9	N.A.	10.1
BVH (80-90)	41.2	N.A.	0.7
UL (90-100)	5.6	N.A.	0.1
UH (100-180)	12.3	N.A.	0.2
Total	6020.9	N.A.	100.0

BUG Rating B2-U2-G2



Shown on pole 84721 (196-1/2" OAH) | Grid Spacing: 7.5 ft.



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