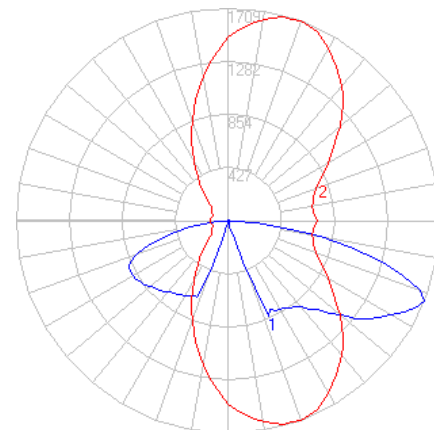


BEGA

File: 84819K4_BEGA_IES.ies

TEST: BE_84819K4
TEST LAB: BEGA
DATE: 09/01/2020
LUMINAIRE: 84 819K4
LAMP: 29.4W LED



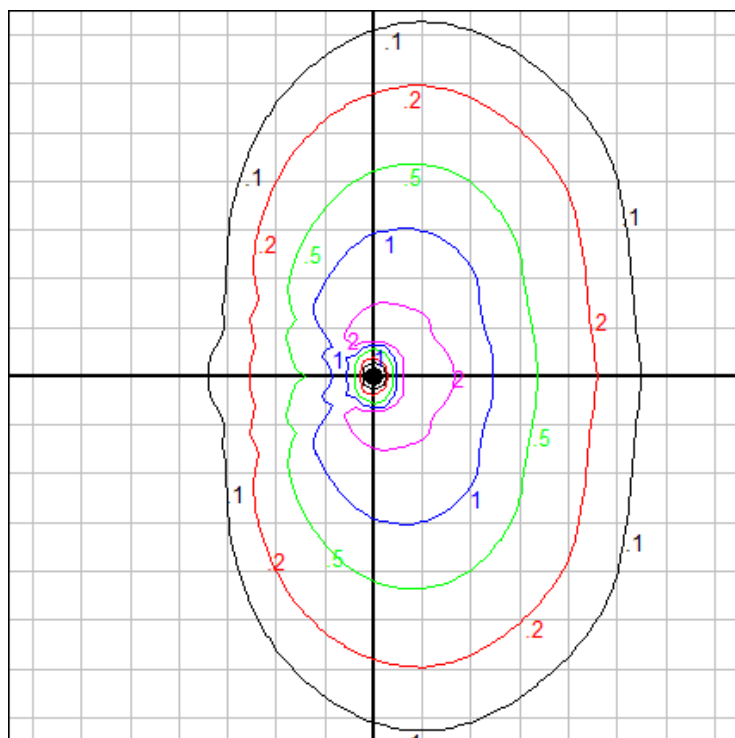
Characteristics

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3742
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	35
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1708.9 (290H, 67.5V)
Max. Cd. (<90 Vert.)	1708.9 (290H, 67.5V)
Max. Cd. (At 90 Deg. Vert.)	3.5 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	775.7 (20.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

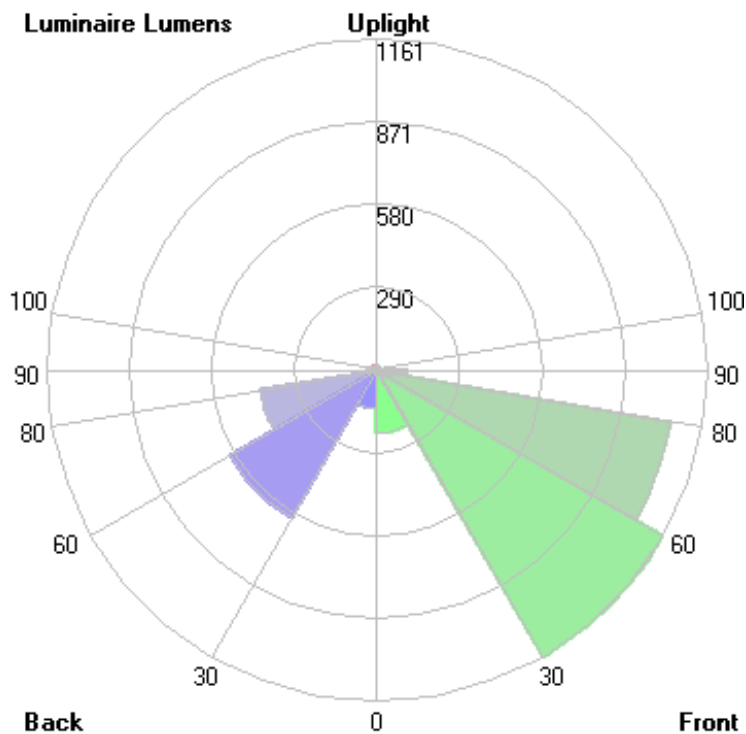
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	221.4	N.A.	5.9
FM (30-60)	1161.0	N.A.	31.0
FH (60-80)	1048.0	N.A.	28.0
FVH (80-90)	106.2	N.A.	2.8
BL (0-30)	135.8	N.A.	3.6
BM (30-60)	596.1	N.A.	15.9
BH (60-80)	414.7	N.A.	11.1
BVH (80-90)	41.8	N.A.	1.1
UL (90-100)	1.5	N.A.	0.0
UH (100-180)	15.5	N.A.	0.4
Total	3742.0	N.A.	100.0

BUG Rating B1-U2-G2



Shown on pole 84713 (176-1/2" OAH) | Grid Spacing: 7.5 ft.



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

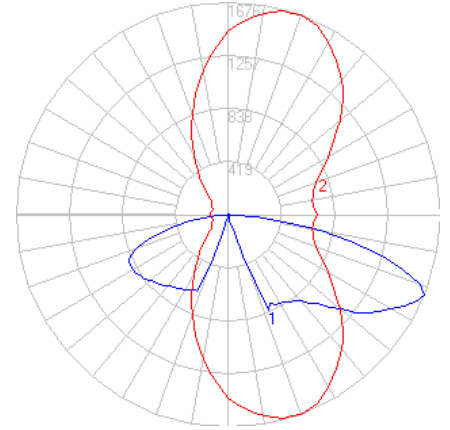
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BEGA

File: 84819K35_BEGA_IES.ies

TEST: BE_84819K4
TEST LAB: BEGA
DATE: 09/01/2020
LUMINAIRE: 84 819K35
LAMP: 29.4W LED



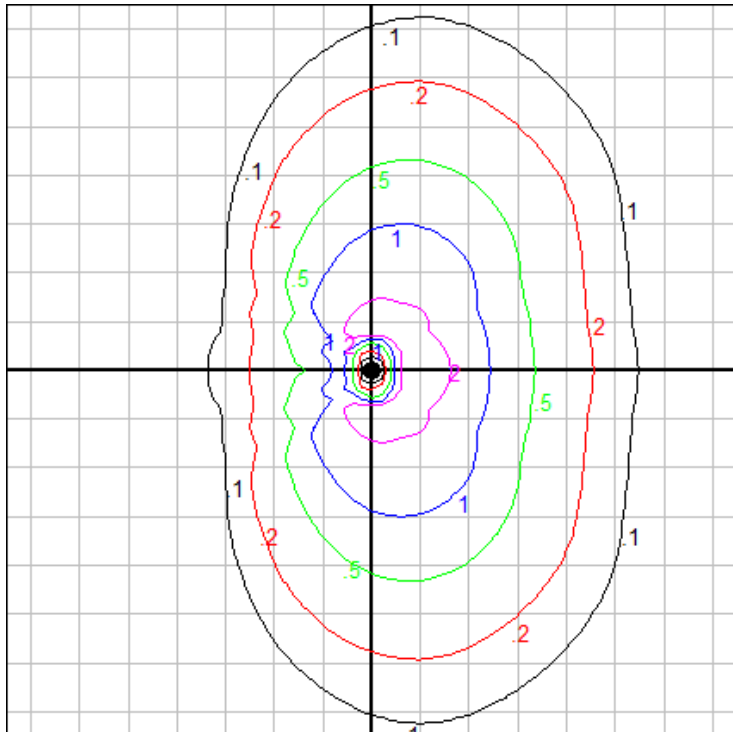
Characteristics

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3671
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	35
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1676.431 (290H, 67.5V)
Max. Cd. (<90 Vert.)	1676.431 (290H, 67.5V)
Max. Cd. (At 90 Deg. Vert.)	3.434 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	760.962 (20.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

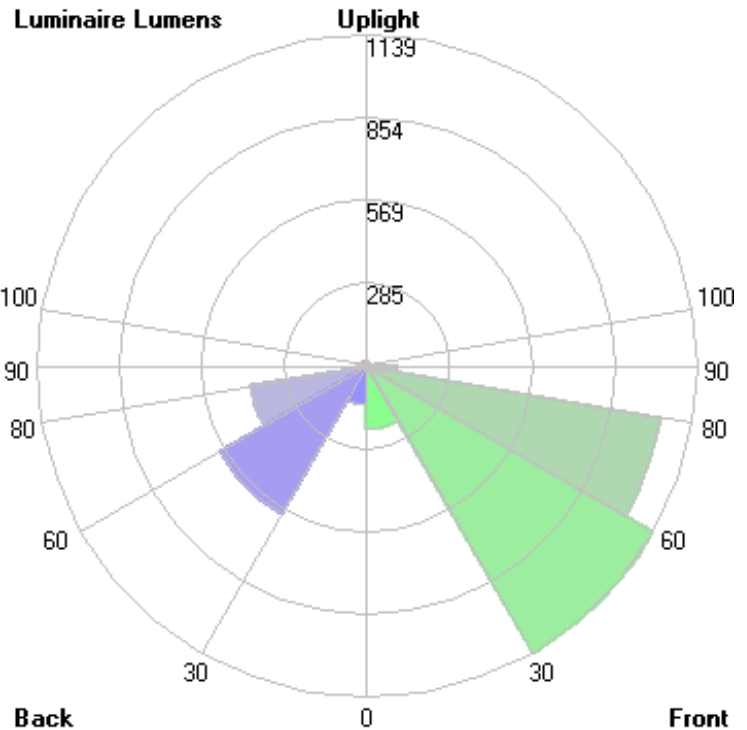
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	217.2	N.A.	5.9
FM (30-60)	1138.9	N.A.	31.0
FH (60-80)	1028.1	N.A.	28.0
FVH (80-90)	104.2	N.A.	2.8
BL (0-30)	133.2	N.A.	3.6
BM (30-60)	584.8	N.A.	15.9
BH (60-80)	406.8	N.A.	11.1
BVH (80-90)	41.0	N.A.	1.1
UL (90-100)	1.5	N.A.	0.0
UH (100-180)	15.2	N.A.	0.4
Total	3670.9	N.A.	100.0

BUG Rating B1-U2-G2



Shown on pole 84713 (176-1/2" OAH) | Grid Spacing: 7.5 ft.



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

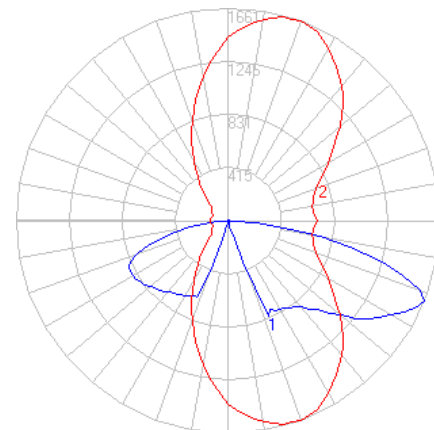
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BEGA

File: 84819K3_BEGA_IES.ies

TEST: BE_84819K4
TEST LAB: BEGA
DATE: 09/01/2020
LUMINAIRE: 84 819K3
LAMP: 29.4W LED



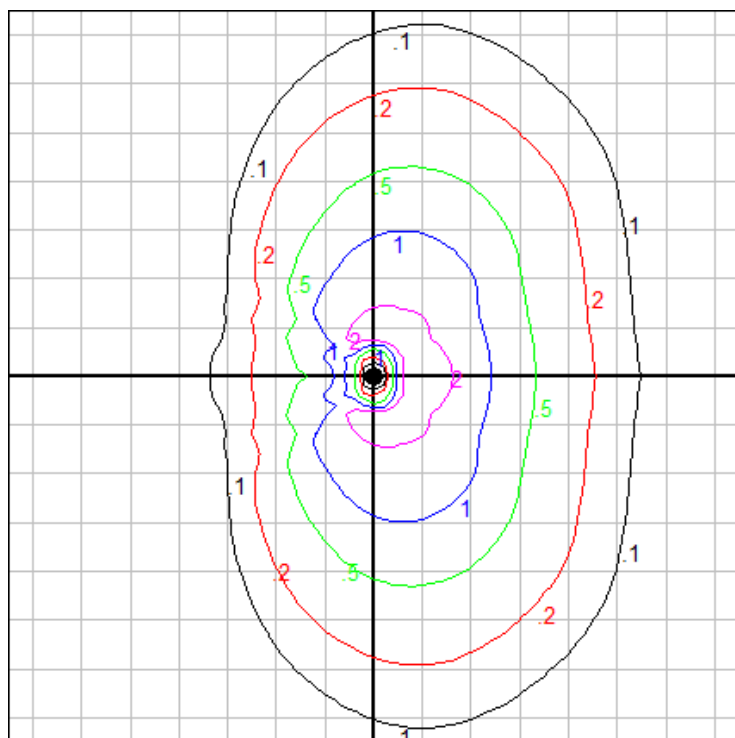
Characteristics

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3637
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	35
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1661.051 (290H, 67.5V)
Max. Cd. (<90 Vert.)	1661.051 (290H, 67.5V)
Max. Cd. (At 90 Deg. Vert.)	3.402 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	753.98 (20.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	215.2	N.A.	5.9
FM (30-60)	1128.5	N.A.	31.0
FH (60-80)	1018.7	N.A.	28.0
FVH (80-90)	103.3	N.A.	2.8
BL (0-30)	132.0	N.A.	3.6
BM (30-60)	579.4	N.A.	15.9
BH (60-80)	403.0	N.A.	11.1
BVH (80-90)	40.7	N.A.	1.1
UL (90-100)	1.5	N.A.	0.0
UH (100-180)	15.1	N.A.	0.4
Total	3637.4	N.A.	100.0

BUG Rating B1-U2-G2

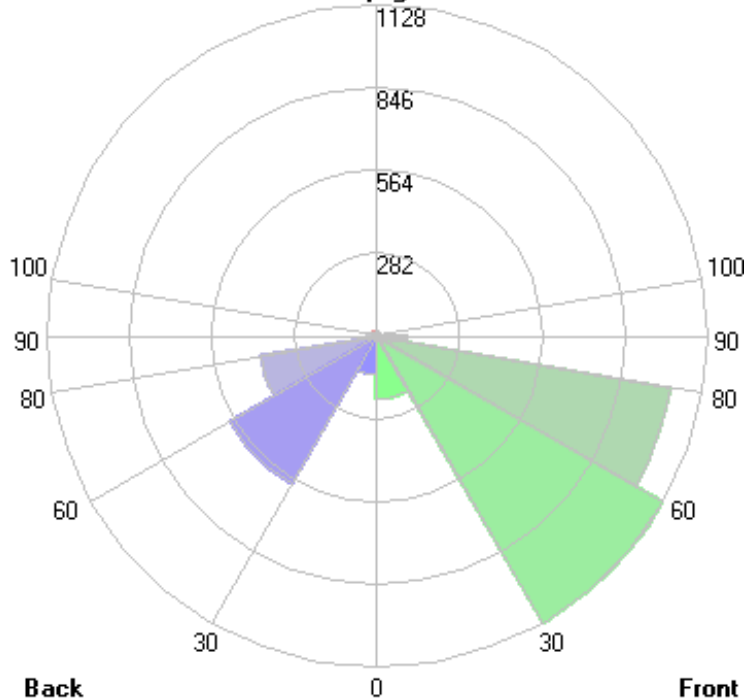


Shown on pole 84713 (176-1/2" OAH)

Grid Spacing: 7.5 ft.

Luminaire Lumens

Uplight



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

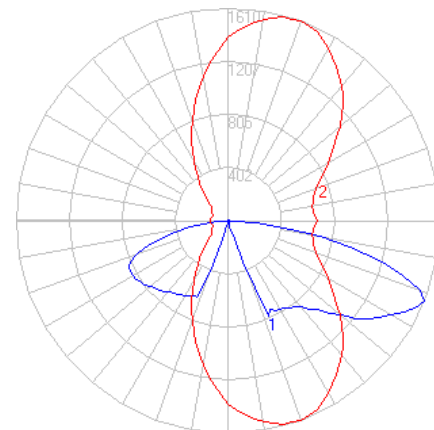
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File: 84819K27_BEGA_IES.ies

TEST: BE_84819K4
TEST LAB: BEGA
DATE: 09/01/2020
LUMINAIRE: 84 819K27
LAMP: 29.4W LED



Characteristics

IES Classification	Type IV
Longitudinal Classification	Medium
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3525
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	35
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1609.784 (290H, 67.5V)
Max. Cd. (<90 Vert.)	1609.784 (290H, 67.5V)
Max. Cd. (At 90 Deg. Vert.)	3.297 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	730.709 (20.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	208.6	N.A.	5.9
FM (30-60)	1093.6	N.A.	31.0
FH (60-80)	987.3	N.A.	28.0
FVH (80-90)	100.1	N.A.	2.8
BL (0-30)	127.9	N.A.	3.6
BM (30-60)	561.6	N.A.	15.9
BH (60-80)	390.6	N.A.	11.1
BVH (80-90)	39.4	N.A.	1.1
UL (90-100)	1.4	N.A.	0.0
UH (100-180)	14.6	N.A.	0.4
Total	3525.1	N.A.	100.0

BUG Rating B1-U2-G2

