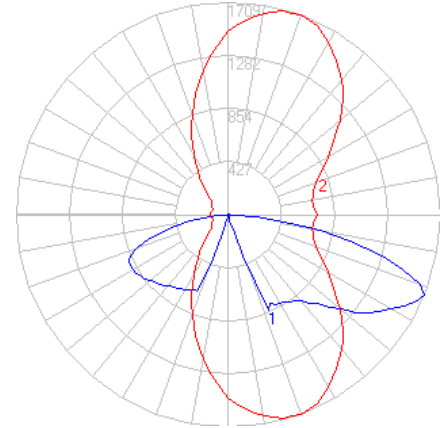
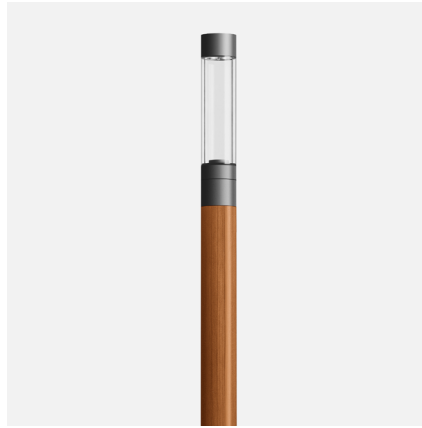


BEGA

File: 84496K4_BEGA_IES.ies

TEST: BE_84496K4
TEST LAB: BEGA
DATE: 11/3/2015
LUMINAIRE: 84 496K4
LAMP: 29.4W LED



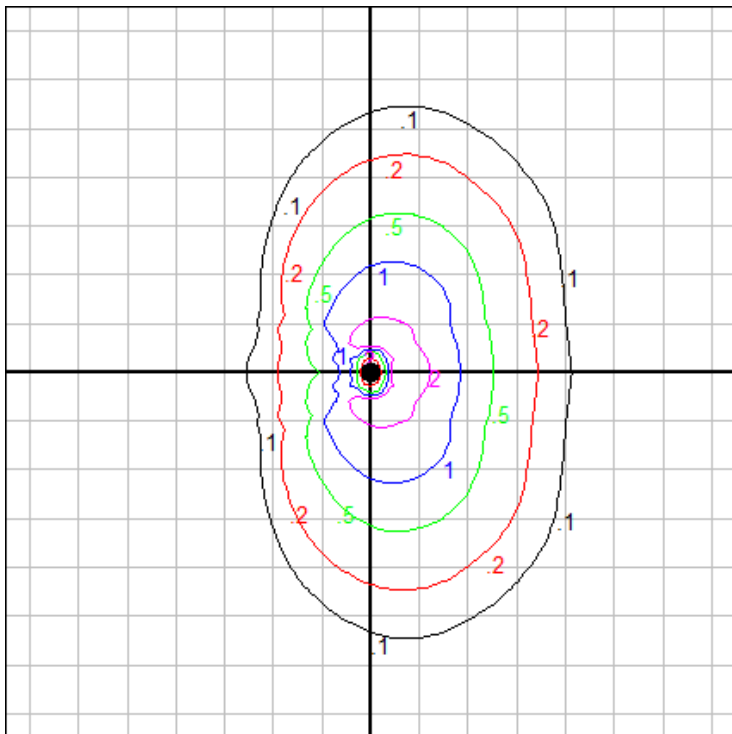
Characteristics

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)	104
Total Luminaire Watts	36
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)

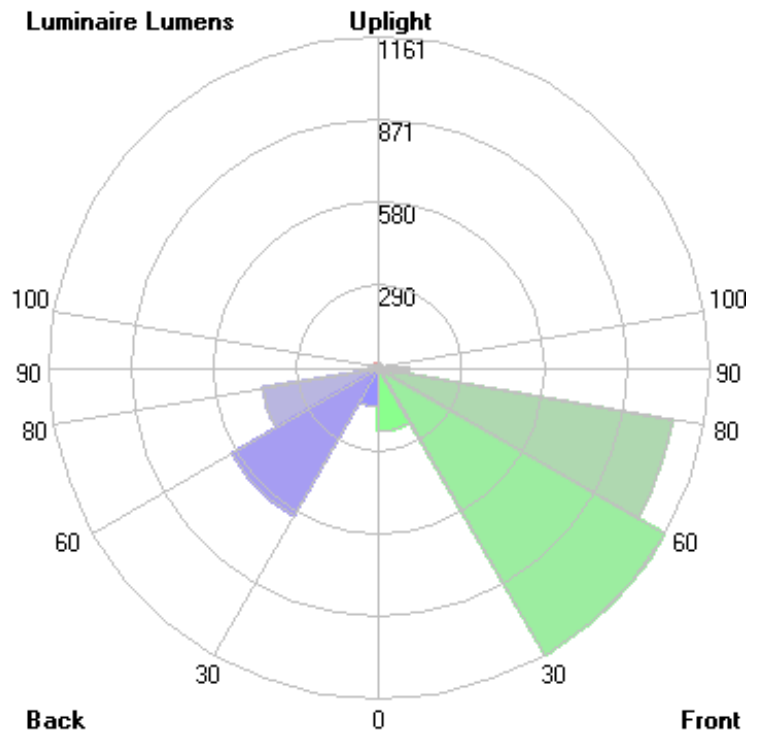
Lum. Classification System (LCS)

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



Grid Spacing: 10 ft.



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

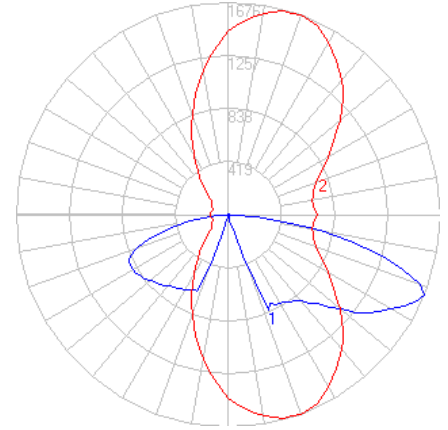
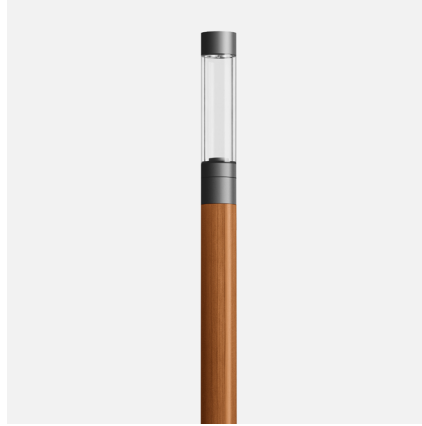
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2022

11/7/2022

BEGA

File: 84496K35_BEGA_IES.ies

TEST: BE_84496K4
TEST LAB: BEGA
DATE: 11/3/2015
LUMINAIRE: 84 496K35
LAMP: 29.4W LED



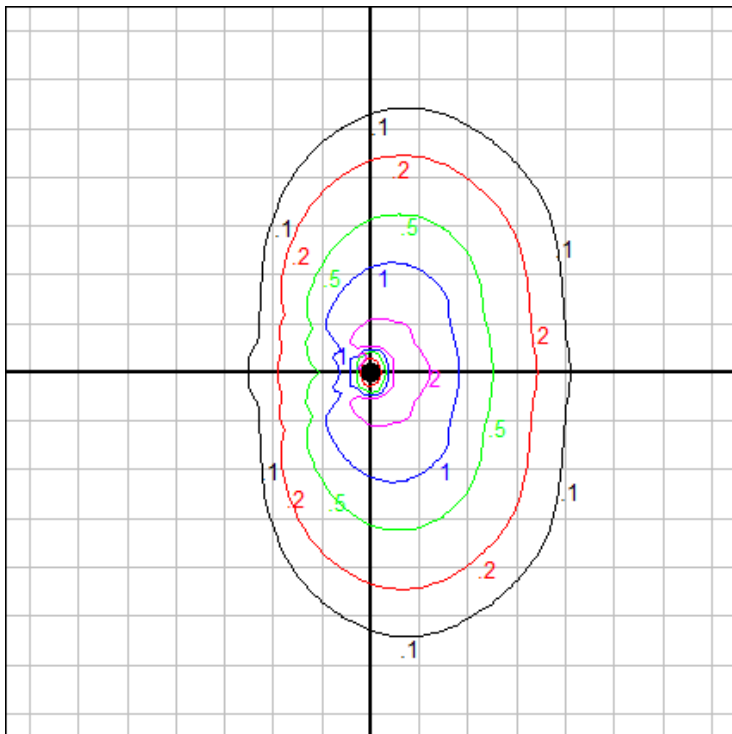
Characteristics

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)	102
Total Luminaire Watts	36
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)

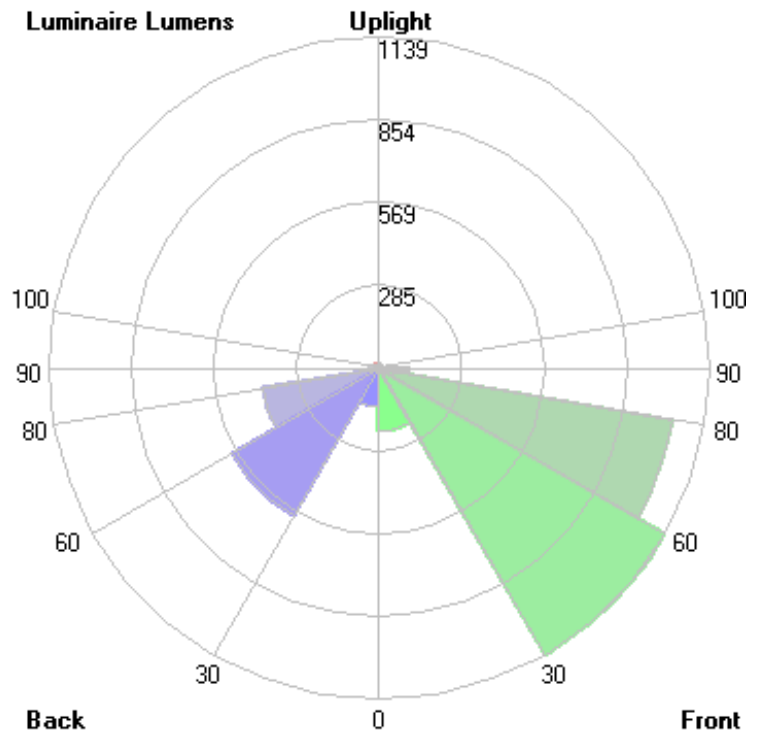
Lum. Classification System (LCS)

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



Grid Spacing: 10 ft.



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

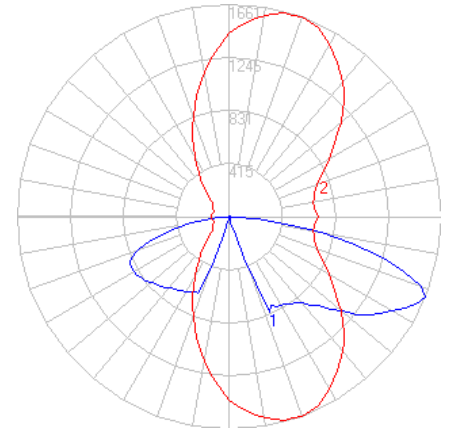
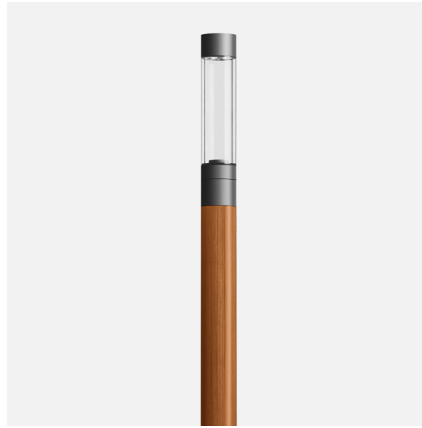
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2022

11/7/2022

BEGA

File: 84496K3_BEGA_IES.ies

TEST: BE_84496K4
TEST LAB: BEGA
DATE: 11/3/2015
LUMINAIRE: 84 496K3
LAMP: 29.4W LED



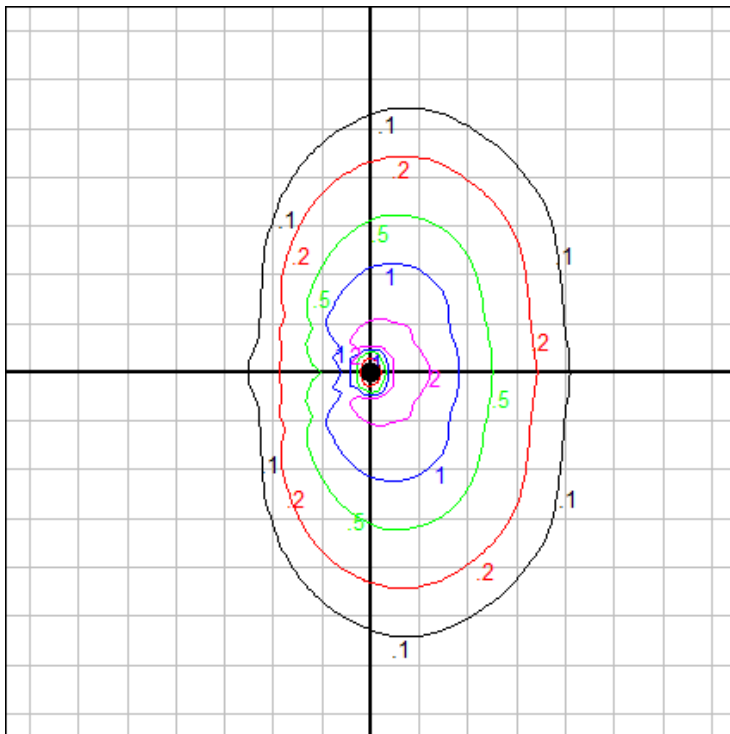
Characteristics

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)	101
Total Luminaire Watts	36
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)

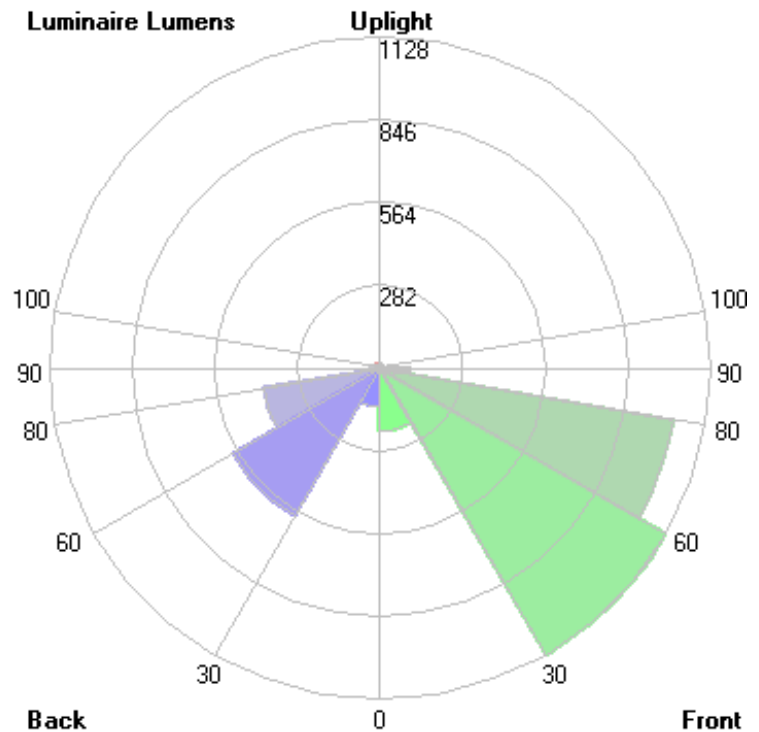
Lum. Classification System (LCS)

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**



Grid Spacing: 10 ft.

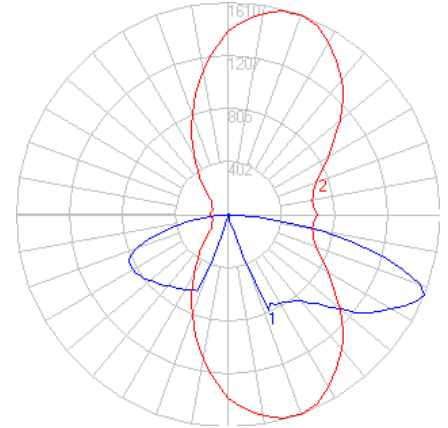
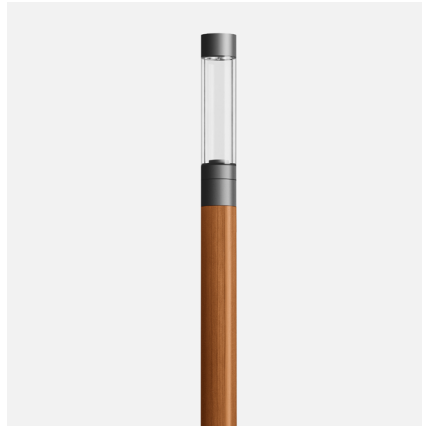


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 84496K27_BEGA_IES.ies

TEST: BE_84496K4
TEST LAB: BEGA
DATE: 11/3/2015
LUMINAIRE: 84 496K27
LAMP: 29.4W LED



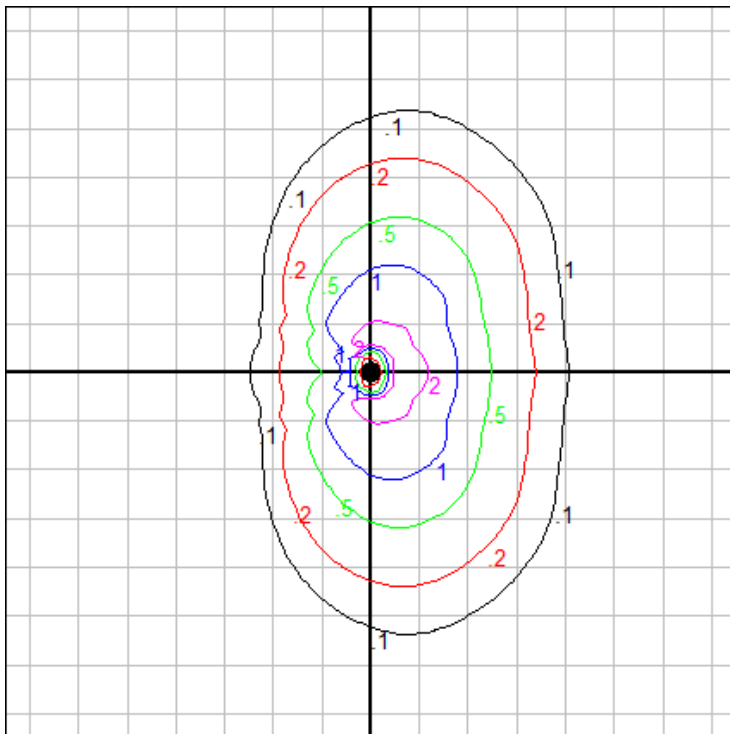
Characteristics

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)	98
Total Luminaire Watts	36
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)

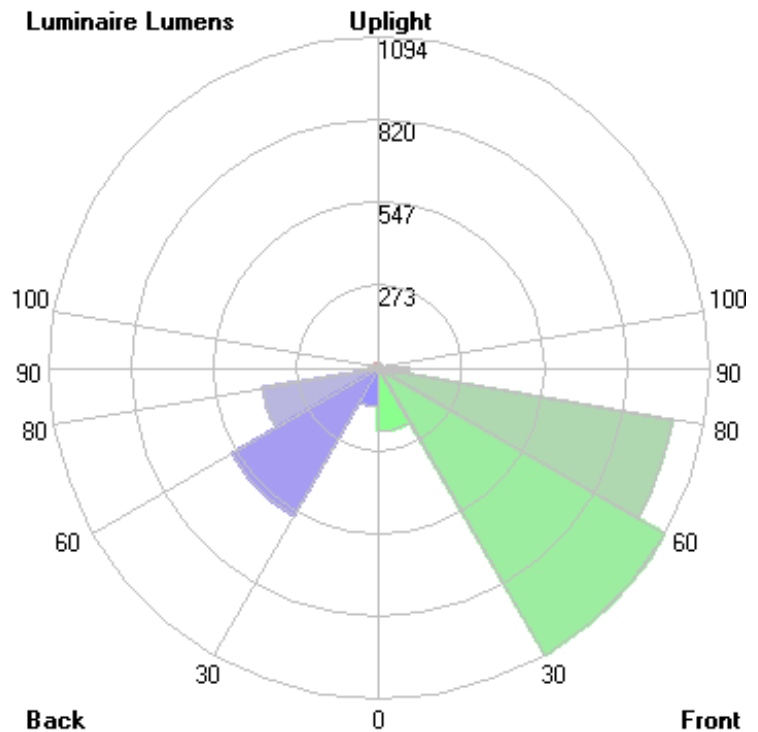
Lum. Classification System (LCS)

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



Grid Spacing: 10 ft.



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

BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2022

11/7/2022