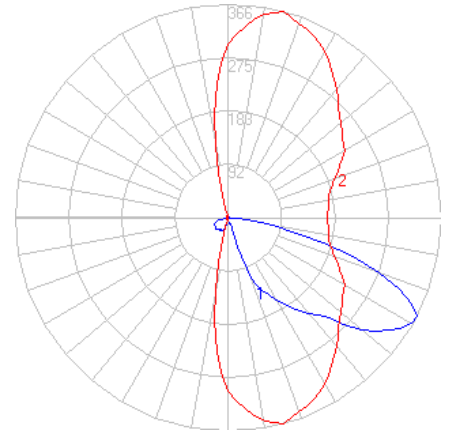


# BEGA

Photometric Filename: 88659.ies

TEST: BE\_88659  
TEST LAB: BEGA  
DATE: 2/11/2015  
LUMINAIRE: 88 659  
LAMP: 8.2W LED



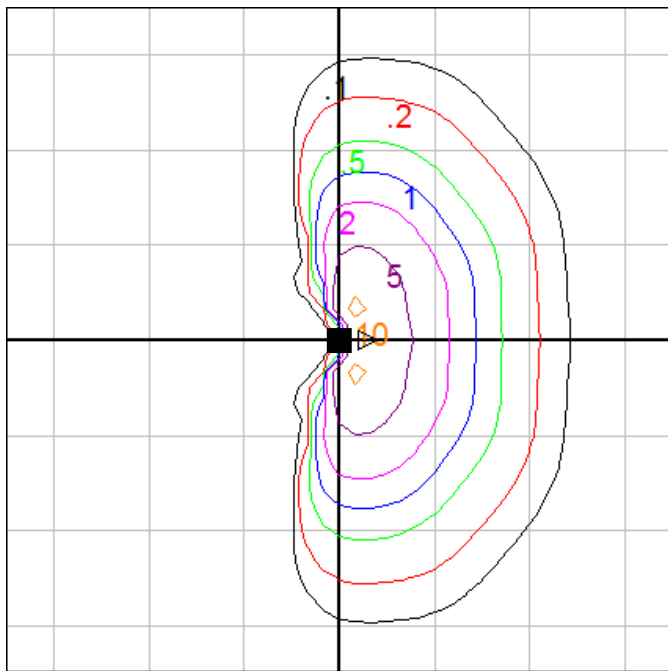
## Characteristics

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	548
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	55
Total Luminaire Watts	10
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	366.2 (285H, 62.5V)
Max. Cd. (<90 Vert.)	366.2 (285H, 62.5V)
Max. Cd. (At 90 Deg. Vert.)	1.7 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	77.7 (14.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

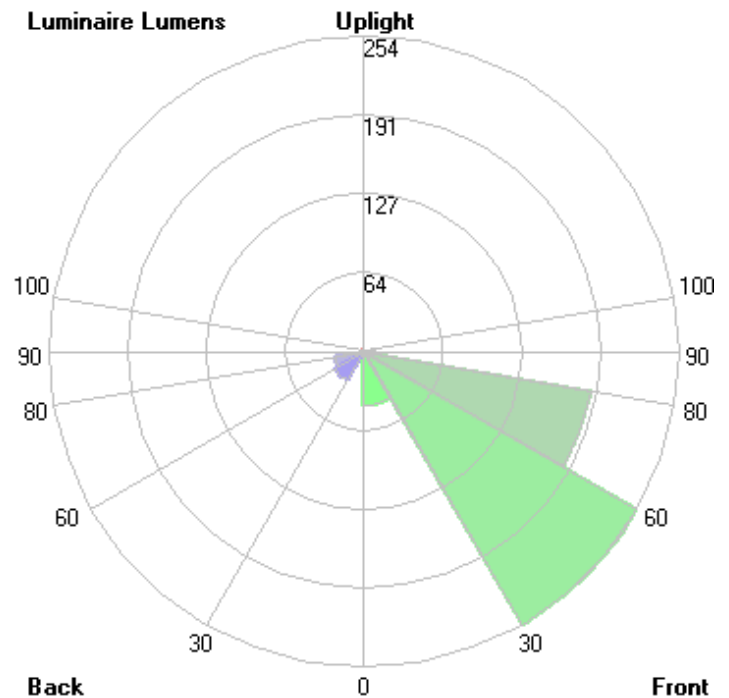
## Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	43.6	N.A.	7.9
FM (30-60)	254.2	N.A.	46.2
FH (60-80)	185.5	N.A.	33.7
FVH (80-90)	8.8	N.A.	1.6
BL (0-30)	4.2	N.A.	0.8
BM (30-60)	26.9	N.A.	4.9
BH (60-80)	23.4	N.A.	4.3
BVH (80-90)	1.5	N.A.	0.3
UL (90-100)	0.0	N.A.	0.1
UH (100-180)	0.0	N.A.	0.3
Total	548.0	N.A.	100.0

BUG Rating B0-U0-G0



Grid Spacing = 5 ft.



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

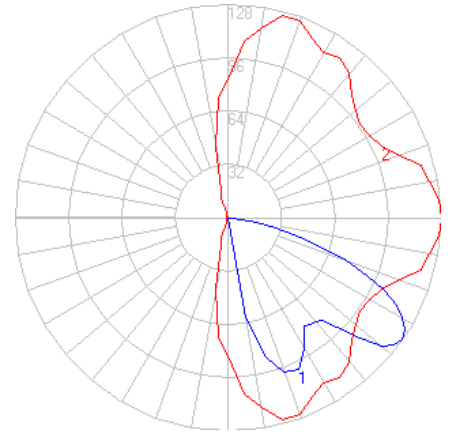
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2019

7/30/2019

# BEGA

Photometric Filename: 88659AMB.ies

TEST: L121804115  
 TEST LAB: Light Laboratory, Inc.  
 DATE: 1/16/2019  
 LUMINAIRE: 88 659 Amber  
 LAMP: (2) 4.5W LED



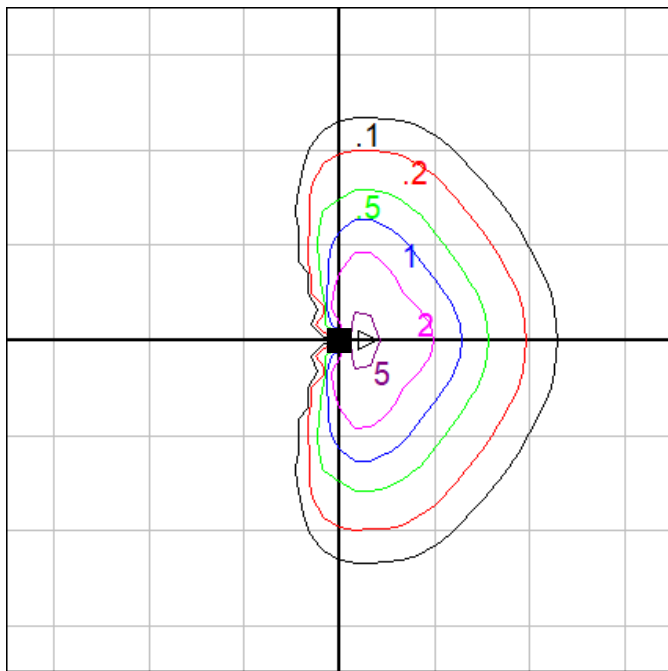
## Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	239
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	20
Total Luminaire Watts	11.86
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	128.36 (0H, 55V)
Max. Cd. (<90 Vert.)	128.36 (0H, 55V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	26.44 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

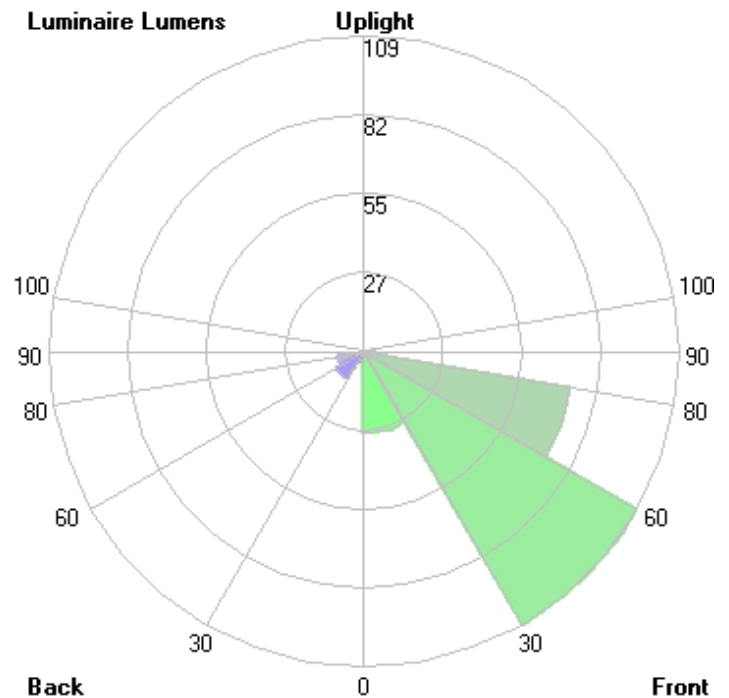
## Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	28.2	N.A.	11.8
FM (30-60)	109.2	N.A.	45.8
FH (60-80)	72.7	N.A.	30.4
FVH(80-90)	4.2	N.A.	1.8
BL (0-30)	3.6	N.A.	1.5
BM (30-60)	11.0	N.A.	4.6
BH (60-80)	9.1	N.A.	3.8
BVH(80-90)	0.7	N.A.	0.3
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	238.7	N.A.	100.0

BUG Rating B0-U0-G0



Grid Spacing = 5 ft.



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

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