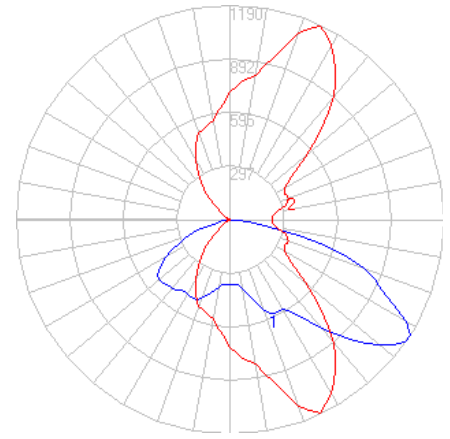


BEGA

Photometric Filename: 99472.IES

TEST: BE_99491
TEST LAB: BEGA
DATE: 8/23/2016
LUMINAIRE: 99 472
LAMP: (2) 15.8W LED

*Report based on a single IES file, see below for twin head iso-footcandle template



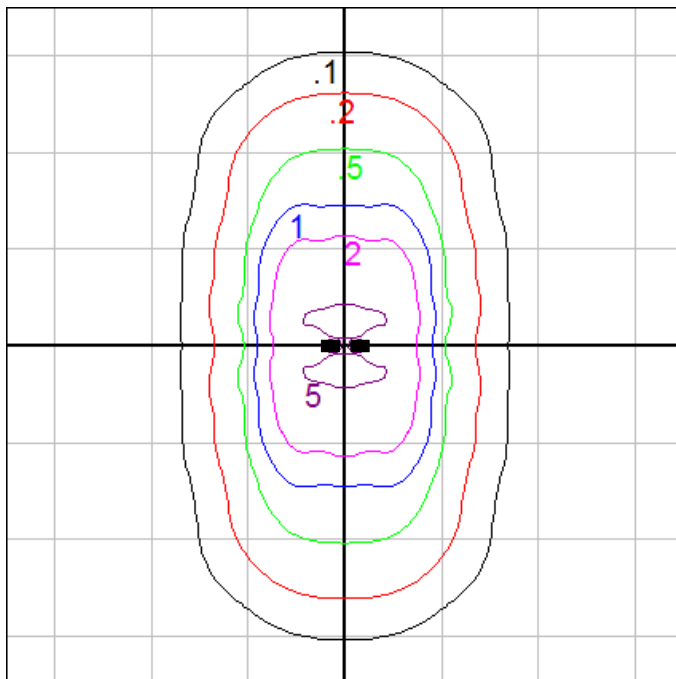
Characteristics

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2201
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	19
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1189.5 (295H, 57.5V)
Max. Cd. (<90 Vert.)	1189.5 (295H, 57.5V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	227.9 (10.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

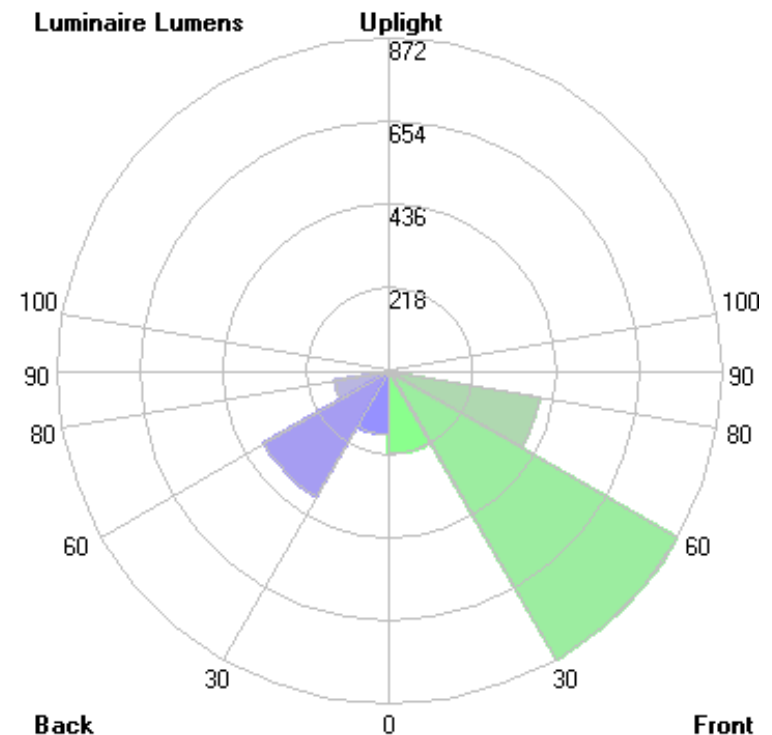
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	216.1	N.A.	9.8
FM (30-60)	871.7	N.A.	39.6
FH (60-80)	399.8	N.A.	18.2
FVH (80-90)	17.5	N.A.	0.8
BL (0-30)	167.6	N.A.	7.6
BM (30-60)	379.4	N.A.	17.2
BH (60-80)	144.5	N.A.	6.6
BVH (80-90)	4.6	N.A.	0.2
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2201.2	N.A.	100.0

BUG Rating B1-U0-G1



Mounting Height = 12 ft.
Grid Spacing = 15 ft.
(Pole 906HR)



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

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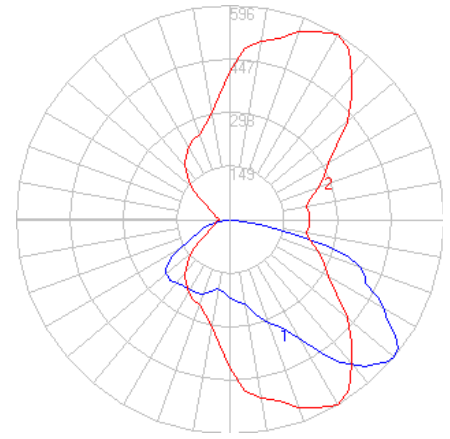
8/13/2019

BEGA

Photometric Filename: 99472AMB.IES

TEST: L061914304
TEST LAB: LABORATORY, INC.
DATE: 7/17/2019
LUMINAIRE: 99 472 Amber
LAMP: (2) 29.4W LED

*Report based on a single IES file, see below for twin head iso-footcandle template



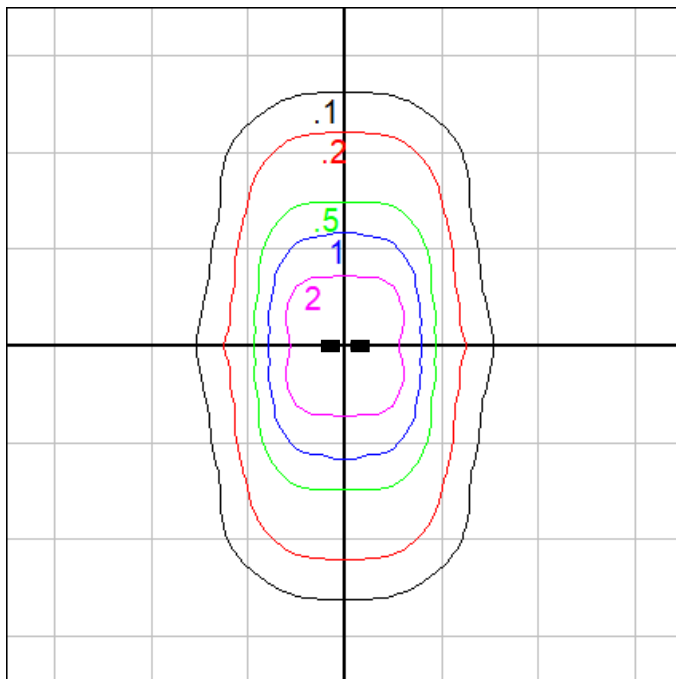
Characteristics

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1199
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	35
Total Luminaire Watts	34.75
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	596.33 (60H, 50V)
Max. Cd. (<90 Vert.)	596.33 (60H, 50V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	86.09 (7.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

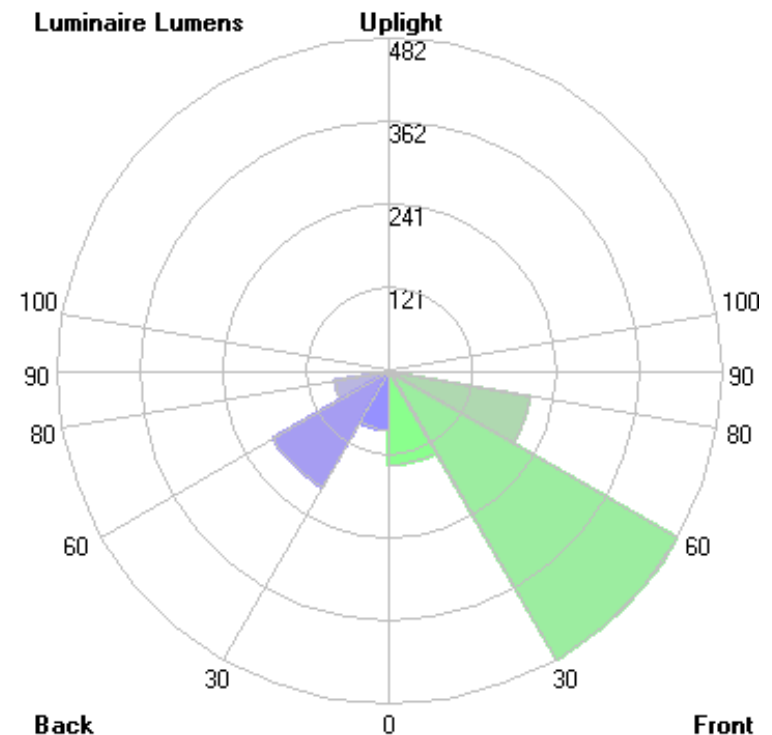
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	136.0	N.A.	11.3
FM (30-60)	482.5	N.A.	40.2
FH (60-80)	208.1	N.A.	17.4
FVH(80-90)	8.4	N.A.	0.7
BL (0-30)	86.1	N.A.	7.2
BM (30-60)	194.2	N.A.	16.2
BH (60-80)	79.9	N.A.	6.7
BVH(80-90)	3.9	N.A.	0.3
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	1199.1	N.A.	100.0

BUG Rating B0-U0-G0



Mounting Height = 12 ft.
Grid Spacing = 15 ft.
(Pole 906HR)



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

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8/13/2019