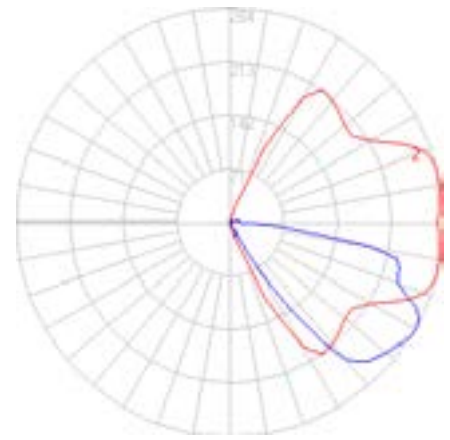


BEGA

Photometric Filename: 77791.ies

TEST: BE_77791
TEST LAB: BEGA
DATE: 9/21/2015
LUMINAIRE: 77 791
LAMP: 8.2W LED



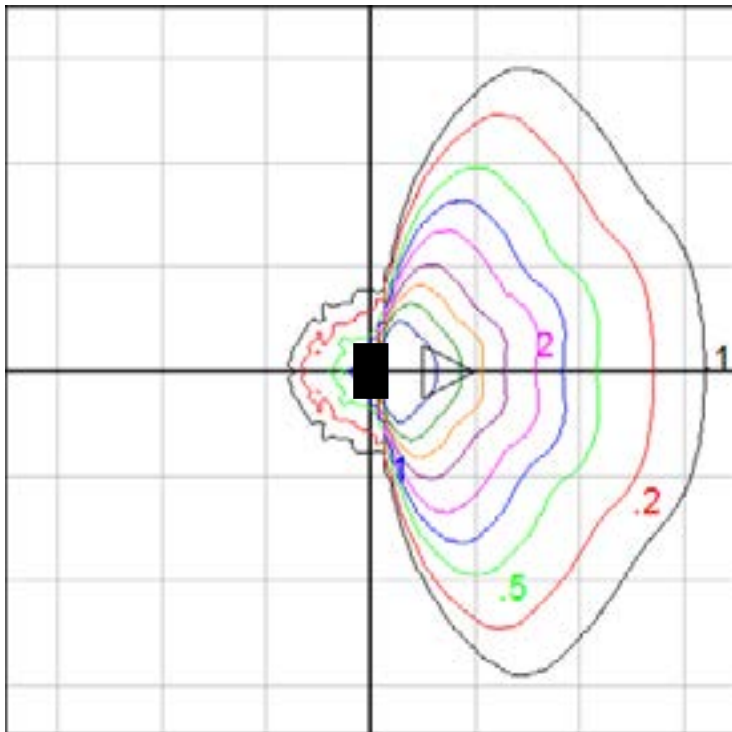
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	340
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	31
Total Luminaire Watts	11
Ballast Factor	1.00
Upward Waste Light Ratio	0.03
Max. Cd.	284.4 (345H, 60V)
Max. Cd. (<90 Vert.)	284.4 (345H, 60V)
Max. Cd. (At 90 Deg. Vert.)	14.1 (4.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	187.8 (55.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

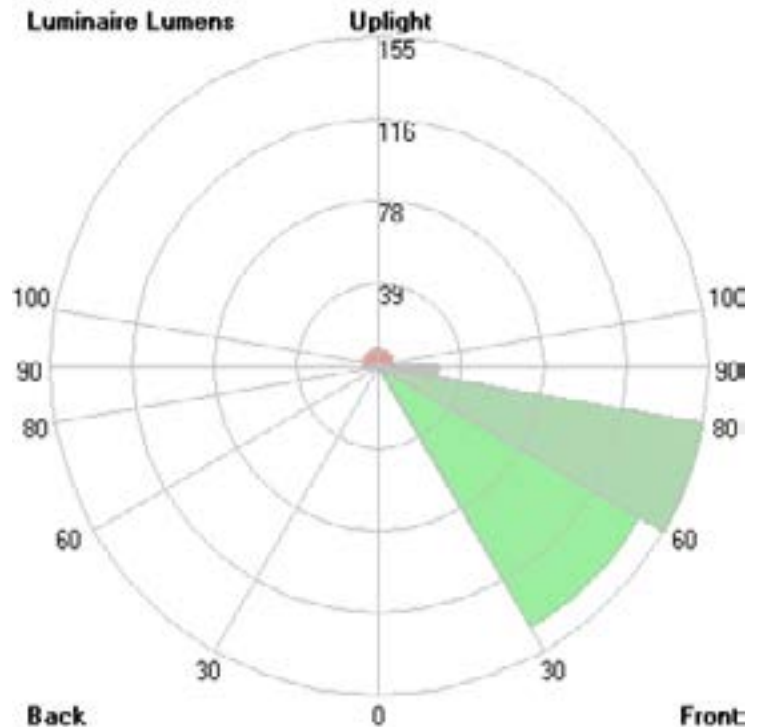
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1.6	N.A.	0.5
FM (30-60)	141.7	N.A.	41.7
FH (60-80)	155.2	N.A.	45.6
FVH (80-90)	28.2	N.A.	8.3
BL (0-30)	0.2	N.A.	0.1
BM (30-60)	0.7	N.A.	0.2
BH (60-80)	0.8	N.A.	0.2
BVH (80-90)	0.5	N.A.	0.1
UL (90-100)	4.0	N.A.	1.2
UH (100-180)	7.2	N.A.	2.1
Total	340.1	N.A.	100.0

BUG Rating B0-U1-G1



Grid Spacing = 2 ft.



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

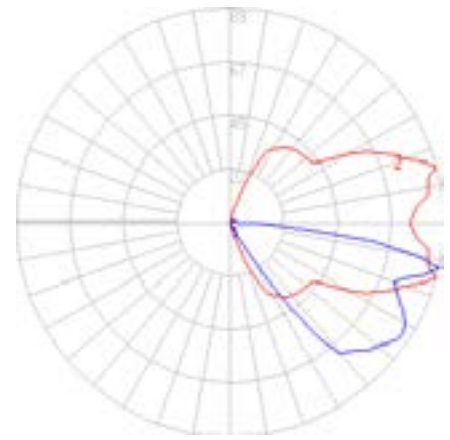
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1/18/2019

BEGA

Photometric Filename: 77791AMB .ies

TEST: L121804114
 TEST LAB: Light Laboratory, Inc.
 DATE: 1/16/2019
 LUMINAIRE: 77 791 Amber
 LAMP: (2) 4.5W LED



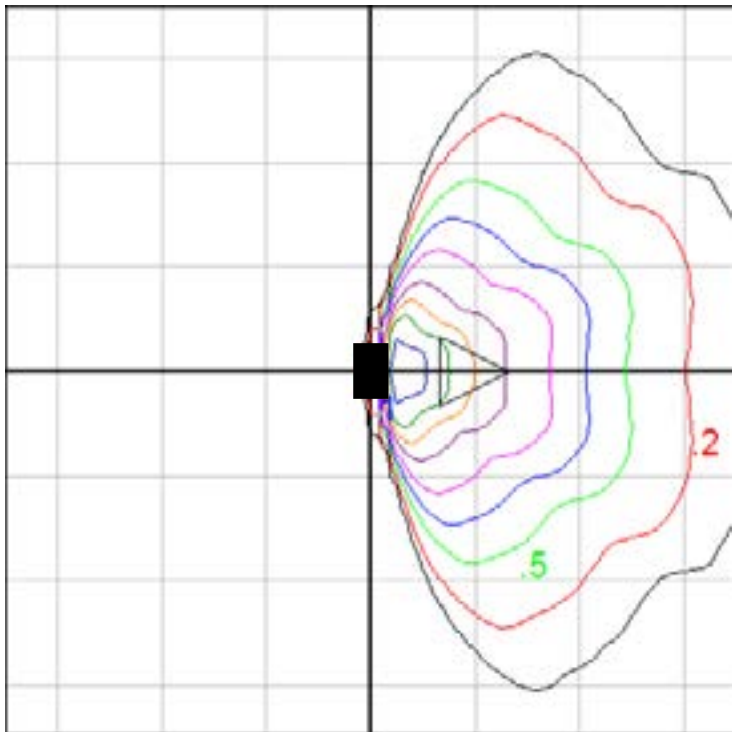
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	102
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	9
Total Luminaire Watts	11.92
Ballast Factor	1.00
Upward Waste Light Ratio	0.04
Max. Cd.	89.01 (345H, 77.5V)
Max. Cd. (<90 Vert.)	89.01 (345H, 77.5V)
Max. Cd. (At 90 Deg. Vert.)	12.85 (12.6%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	79.95 (78.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

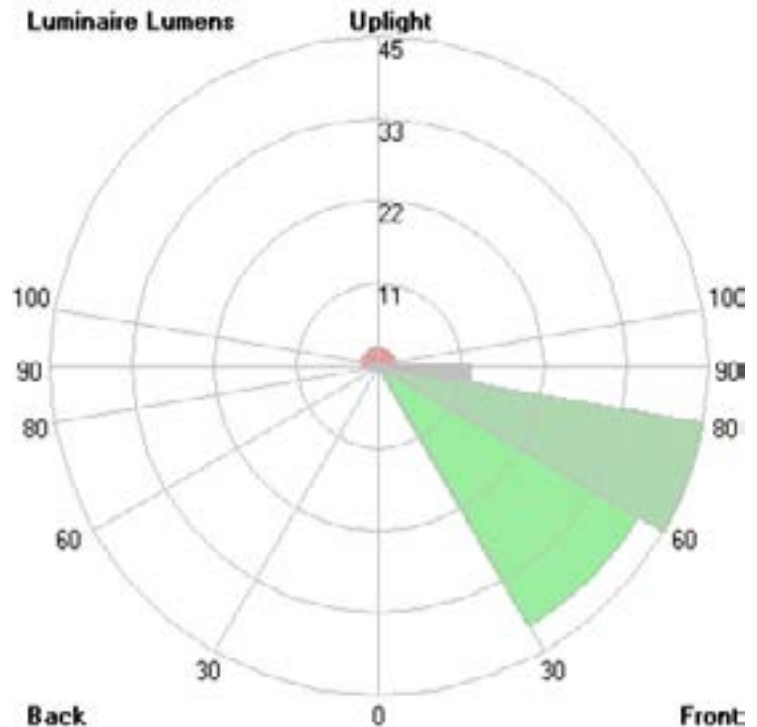
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.5	N.A.	0.5
FM (30-60)	40.5	N.A.	39.9
FH (60-80)	44.6	N.A.	43.9
FVH(80-90)	12.5	N.A.	12.3
BL (0-30)	< 0.05	N.A.	0.0
BM (30-60)	< 0.05	N.A.	0.0
BH (60-80)	< 0.05	N.A.	0.0
BVH(80-90)	< 0.05	N.A.	0.0
UL (90-100)	1.3	N.A.	1.3
UH (100-180)	2.3	N.A.	2.3
Total	101.7	N.A.	100.0

BUG Rating B0-U1-G1



Grid Spacing = 1.5 ft.



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