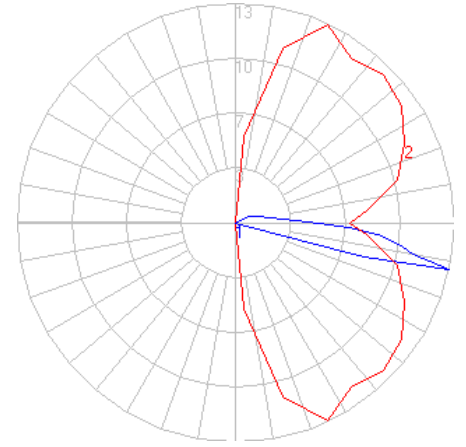


BEGA

Photometric Filename: 77069.IES

TEST: L09122508
 TEST LAB: Light Laboratory, Inc.
 DATE: 9/28/2012
 LUMINAIRE: 77 069
 LAMP: 1.3W LED, 24V DC



All results in accordance with IESNA LM-79-08

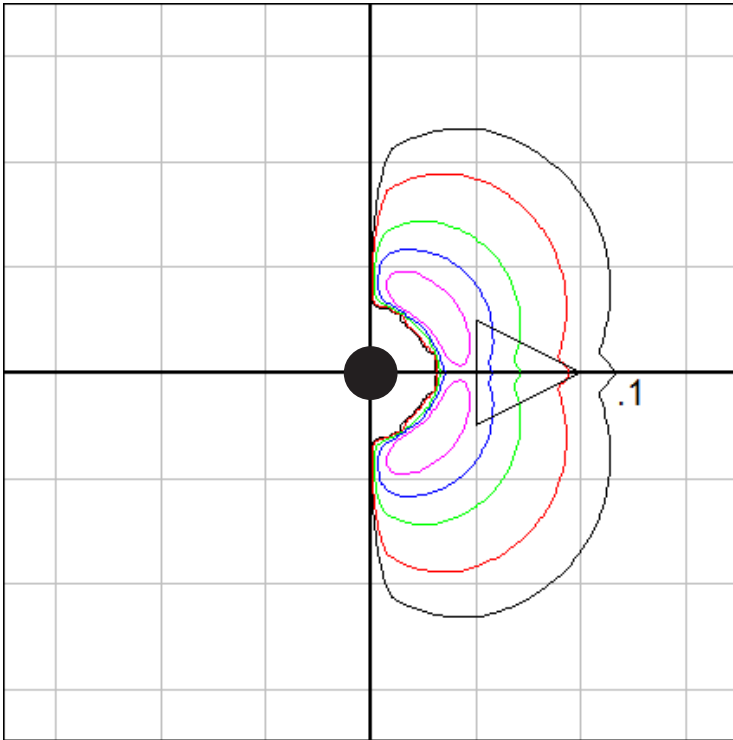
Characteristics

IES Classification	Type IV
Longitudinal Classification	Long
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	7
Total Luminaire Watts	1.44
Ballast Factor	1.00
Upward Waste Light Ratio	0.28
Max. Cd.	13.38 (65H, 77.5V)
Max. Cd. (<90 Vert.)	13.38 (65H, 77.5V)
Max. Cd. (At 90 Deg. Vert.)	5.9 (59.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	12.25 (122.5%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)
R9 Value	7.16

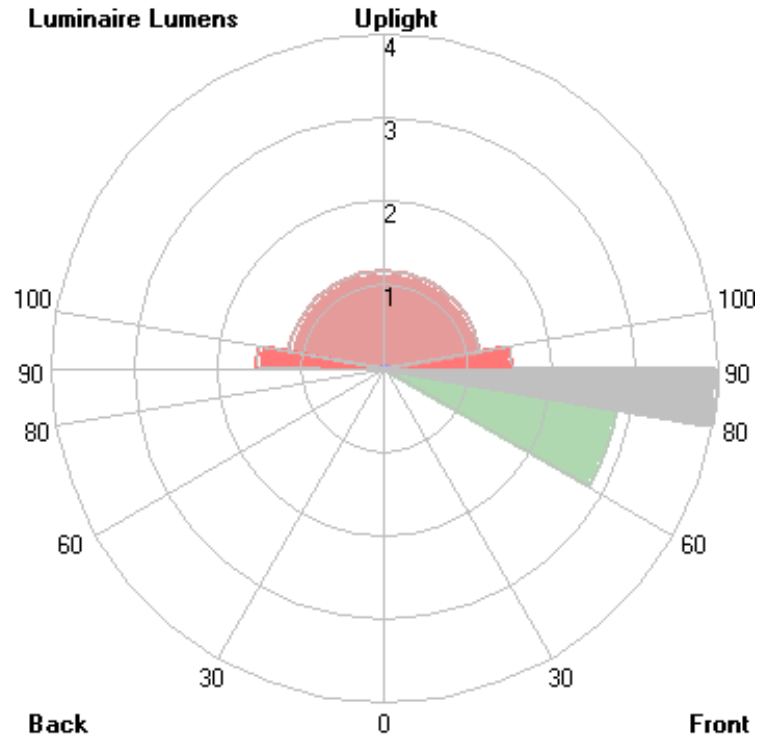
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	0.0	N.A.	0.0
FM (30-60)	0.0	N.A.	0.0
FH (60-80)	2.9	N.A.	29.7
FVH(80-90)	4.0	N.A.	41.9
BL (0-30)	0.0	N.A.	0.0
BM (30-60)	0.0	N.A.	0.0
BH (60-80)	0.0	N.A.	0.0
BVH(80-90)	0.0	N.A.	0.0
UL (90-100)	1.5	N.A.	16.0
UH (100-180)	1.2	N.A.	12.2
Total	9.6	N.A.	100.0

BUG Rating B0-U1-G0



Grid Spacing = 1 ft.



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