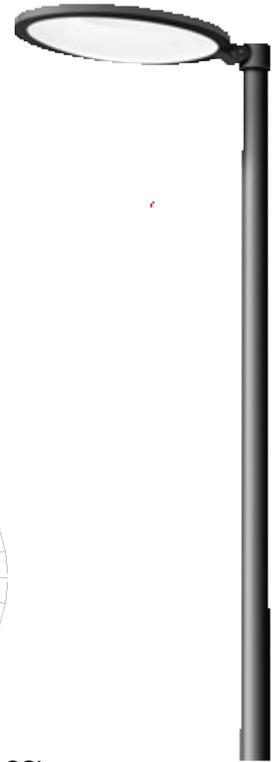


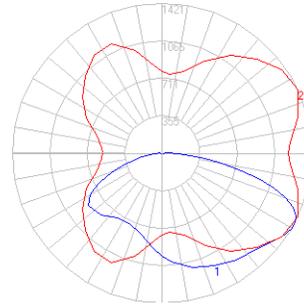
BEGA



Photometric Filename: 77836.ies

TEST: L12120603
 TEST LAB: LIGHT LABORATORY, INC.
 DATE: 2/6/2012
 LUMINAIRE: 77 841**
 LAMP: 104W LED

All results in accordance with IESNA LM-79-08
 **IES file based on single luminaire. See twin tempate below.



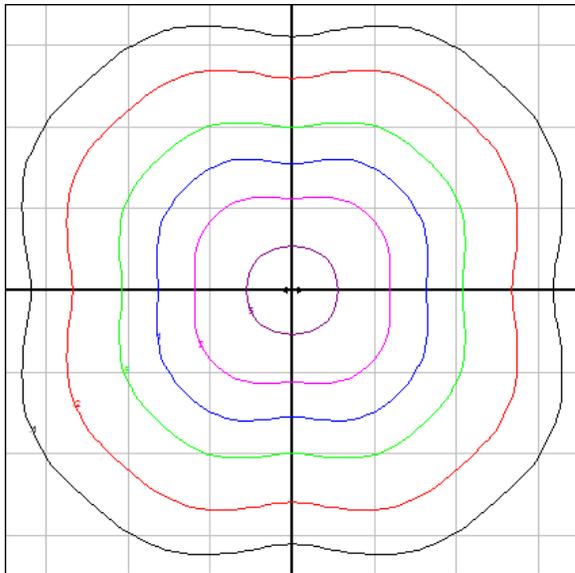
Characteristics

IES Classification	Type IV
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4898
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	56.9
Ballast Factor	1.00
Upward Waste Light Ratio	0.01
Max. Cd.	1421 (25H, 60V)
Max. Cd. (<90 Vert.)	1421 (25H, 60V)
Max. Cd. (At 90 Deg. Vert.)	154 (3.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	599 (12.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

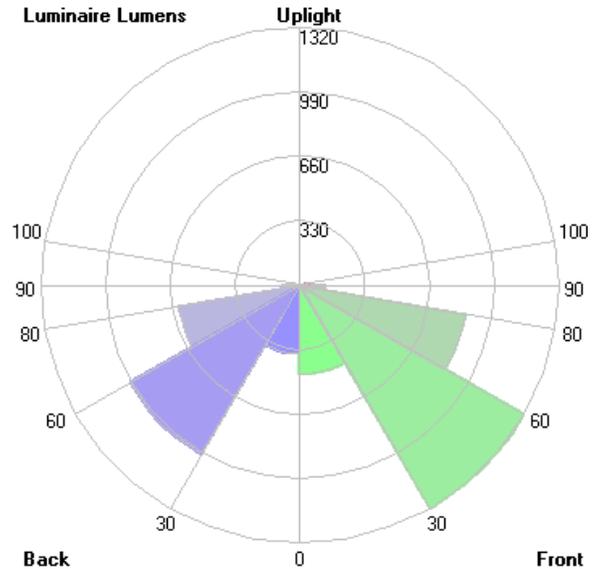
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	456.9	N.A.	9.3
FM (30-60)	1319.9	N.A.	26.9
FH (60-80)	854.8	N.A.	17.5
FVH(80-90)	131.4	N.A.	2.7
BL (0-30)	351.9	N.A.	7.2
BM (30-60)	1000.7	N.A.	20.4
BH (60-80)	626.7	N.A.	12.8
BVH(80-90)	94.2	N.A.	1.9
UL (90-100)	56.0	N.A.	1.1
UH (100-180)	5.7	N.A.	0.1
Total	4898.2	N.A.	100.0

BUG Rating B2-U3-G2



Mounting Height = 16 ft. Grid Spacing = 16 ft.



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