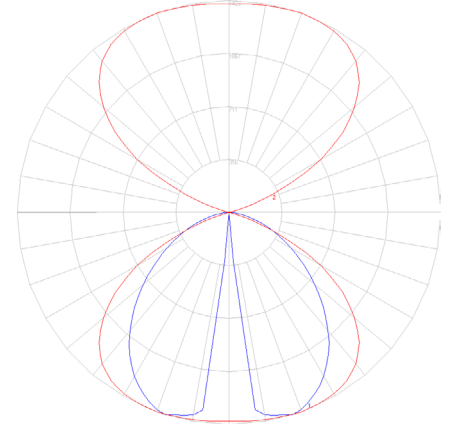


BEGA

TEST: BE_84221K4 0°
TEST LAB: BEGA
DATE: 12/04/2019
LUMINAIRE: 84221K4
LAMP: 29.0W LED



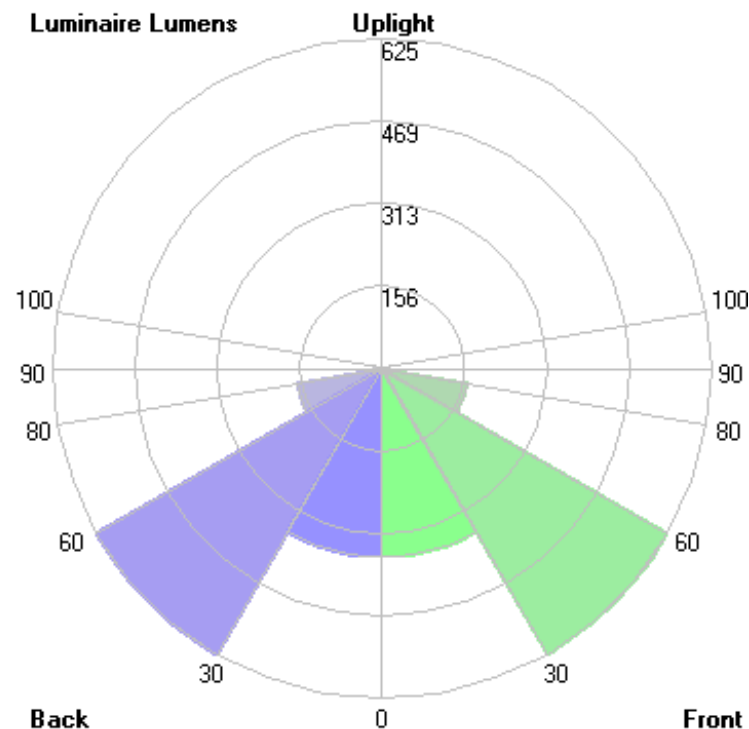
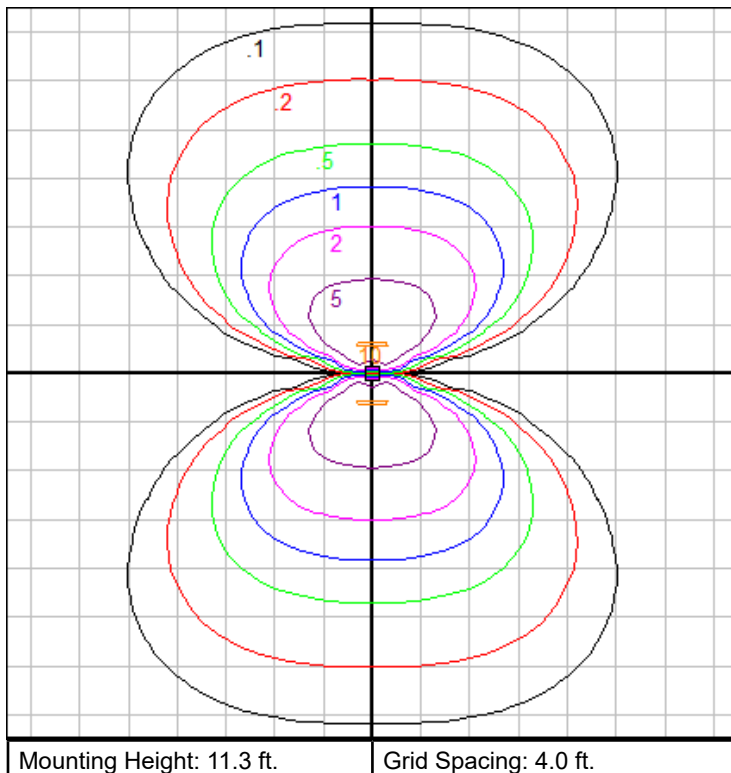
Characteristics

IES Classification	Type I
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2324
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	68
Total Luminaire Watts	34
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1422.8 (290H, 17.5V)
Max. Cd. (<90 Vert.)	1422.8 (290H, 17.5V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	98.4 (4.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Zonal Lumen Summary

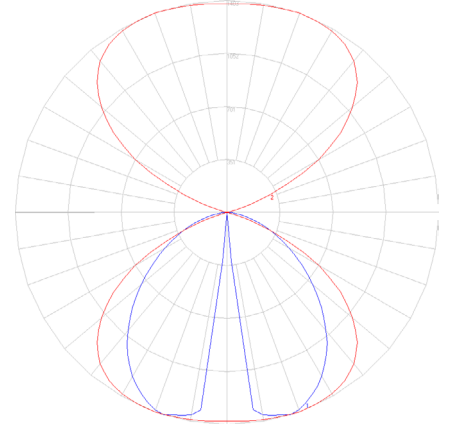
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	357.7	N.A.	15.4
FM (30-60)	625.1	N.A.	26.9
FH (60-80)	163.7	N.A.	7.0
FVH (80-90)	15.7	N.A.	0.7
BL (0-30)	357.7	N.A.	15.4
BM (30-60)	625.1	N.A.	26.9
BH (60-80)	163.7	N.A.	7.0
BVH (80-90)	15.7	N.A.	0.7
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2324.4	N.A.	100.0

BUG Rating **B1-U0-G1**



BEGA

TEST: BE_84221K4 0°
 TEST LAB: BEGA
 DATE: 12/04/2019
 LUMINAIRE: 84221K35
 LAMP: 29.0W LED



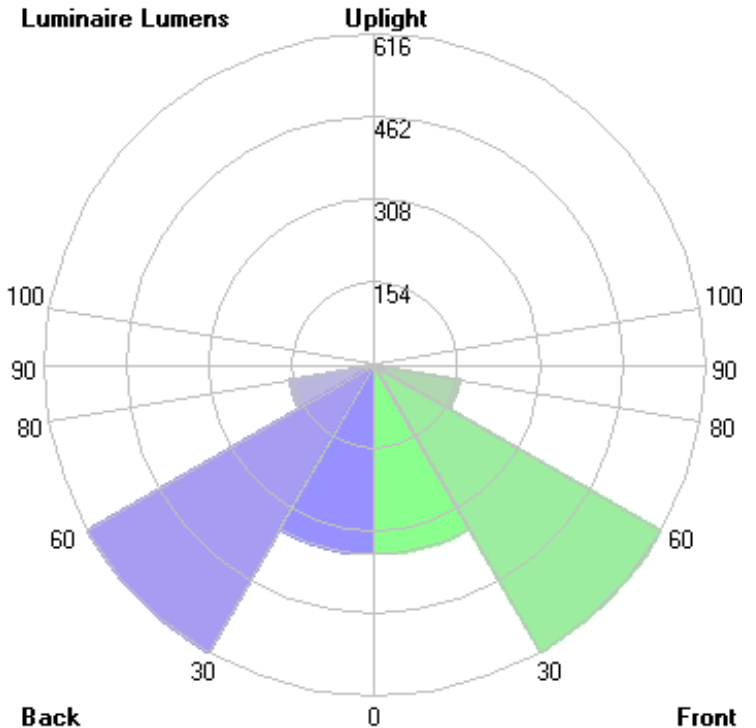
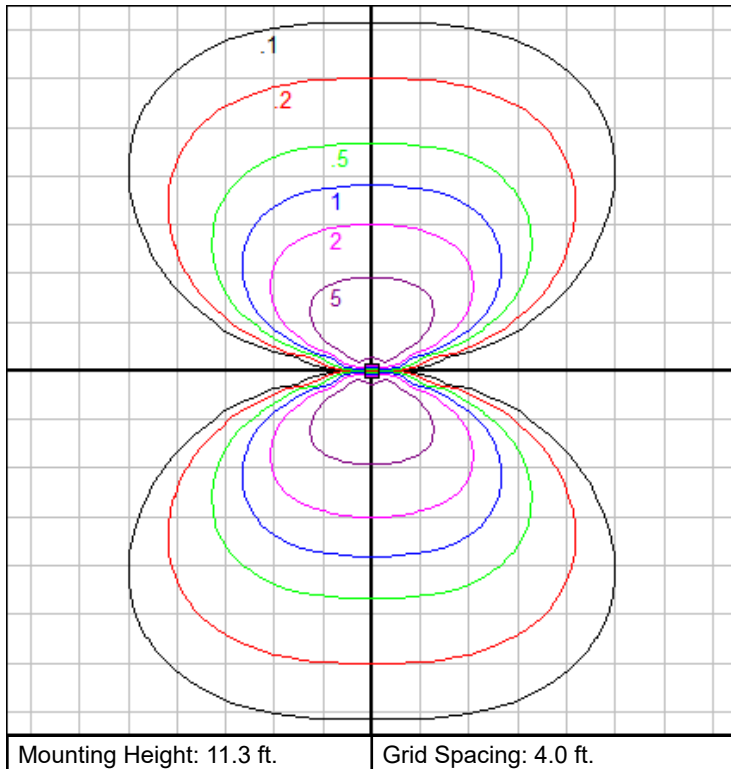
Characteristics

IES Classification	Type I
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2292
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	34
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1402.881 (290H, 17.5V)
Max. Cd. (<90 Vert.)	1402.881 (290H, 17.5V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	97.022 (4.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Zonal Lumen Summary

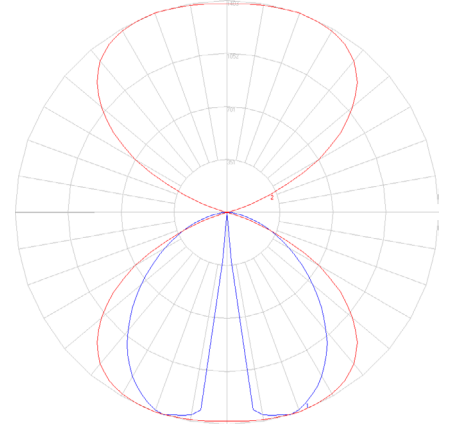
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	352.7	N.A.	15.4
FM (30-60)	616.4	N.A.	26.9
FH (60-80)	161.4	N.A.	7.0
FVH (80-90)	15.5	N.A.	0.7
BL (0-30)	352.7	N.A.	15.4
BM (30-60)	616.4	N.A.	26.9
BH (60-80)	161.4	N.A.	7.0
BVH (80-90)	15.5	N.A.	0.7
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2292.0	N.A.	100.0

BUG Rating B1-U0-G1



BEGA

TEST: BE_84221K4 0°
 TEST LAB: BEGA
 DATE: 12/04/2019
 LUMINAIRE: 84221K3
 LAMP: 29.0W LED



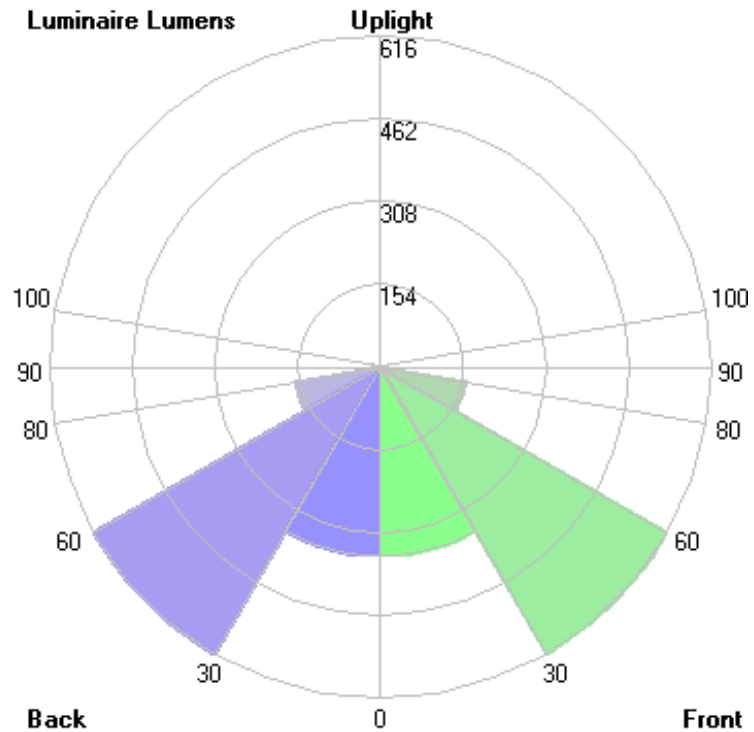
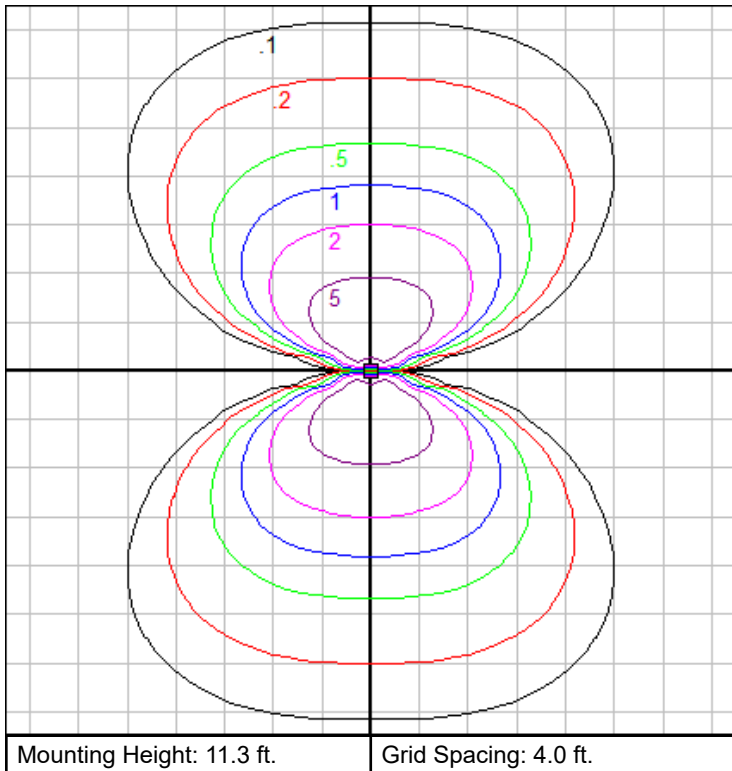
Characteristics

IES Classification	Type I
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2292
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	67
Total Luminaire Watts	34
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1402.881 (290H, 17.5V)
Max. Cd. (<90 Vert.)	1402.881 (290H, 17.5V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	97.022 (4.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Zonal Lumen Summary

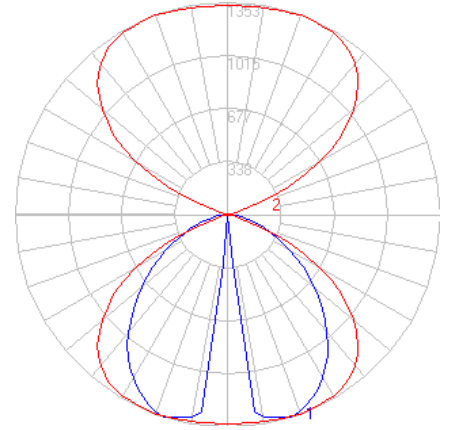
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	352.7	N.A.	15.4
FM (30-60)	616.4	N.A.	26.9
FH (60-80)	161.4	N.A.	7.0
FVH (80-90)	15.5	N.A.	0.7
BL (0-30)	352.7	N.A.	15.4
BM (30-60)	616.4	N.A.	26.9
BH (60-80)	161.4	N.A.	7.0
BVH (80-90)	15.5	N.A.	0.7
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2292.0	N.A.	100.0

BUG Rating B1-U0-G1



BEGA

TEST: BE_84221K4 0°
 TEST LAB: BEGA
 DATE: 12/04/2019
 LUMINAIRE: 84221K27
 LAMP: 29.0W LED



Characteristics

IES Classification Type I
 Longitudinal Classification Very Short
 Lumens Per Lamp N.A. (absolute)
 Total Lamp Lumens N.A. (absolute)
 Luminaire Lumens 2210
 Downward Total Efficiency N.A.
 Total Luminaire Efficiency N.A.
 Luminaire Efficacy Rating (LER) 65
 Total Luminaire Watts 34
 Ballast Factor 1.00
 Upward Waste Light Ratio 0.00
 Max. Cd. 1353.083 (290H, 17.5V)
 Max. Cd. (<90 Vert.) 1353.083 (290H, 17.5V)
 Max. Cd. (At 90 Deg. Vert.) 0 (0.0%Lum)
 Max. Cd. (80 to <90 Deg. Vert.) 93.578 (4.2%Lum)
 Cutoff Classification (deprecated) N.A. (absolute)

Zonal Lumen Summary

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	340.1	N.A.	15.4
FM (30-60)	594.5	N.A.	26.9
FH (60-80)	155.6	N.A.	7.0
FVH (80-90)	15.0	N.A.	0.7
BL (0-30)	340.1	N.A.	15.4
BM (30-60)	594.5	N.A.	26.9
BH (60-80)	155.6	N.A.	7.0
BVH (80-90)	15.0	N.A.	0.7
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2210.4	N.A.	100.0

BUG Rating B1-U0-G1

