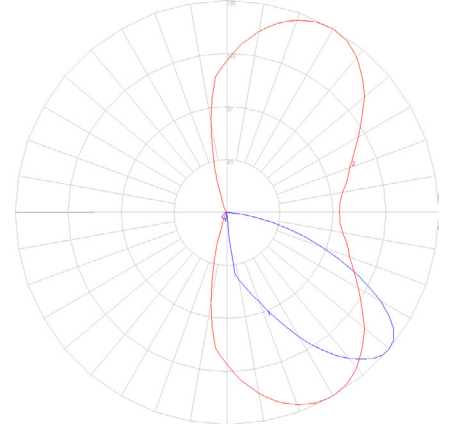


BEGA

TEST: BE_84218K4
 TEST LAB: BEGA
 DATE: 6/26/2017
 LUMINAIRE: 84 218K4
 LAMP: 4.2W LED



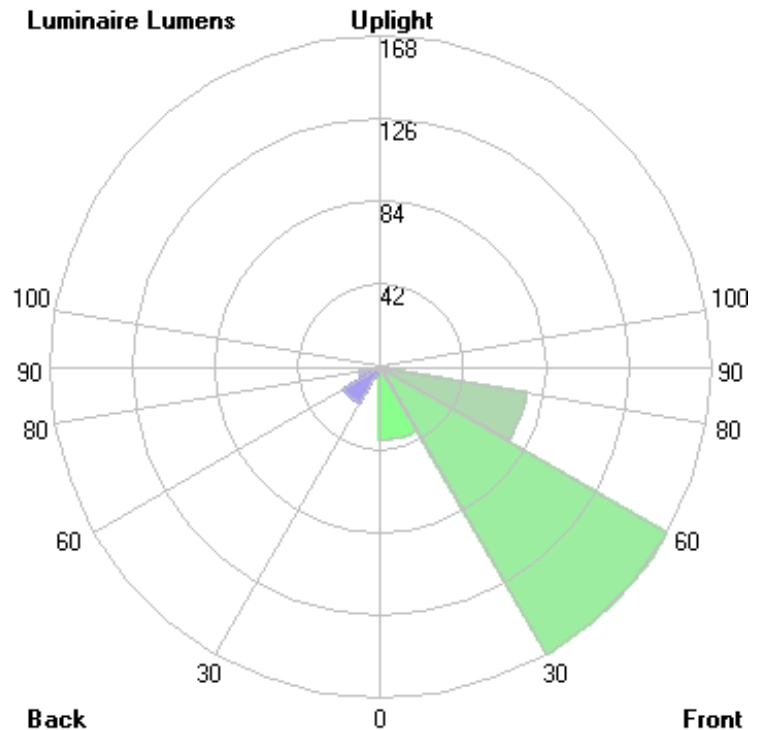
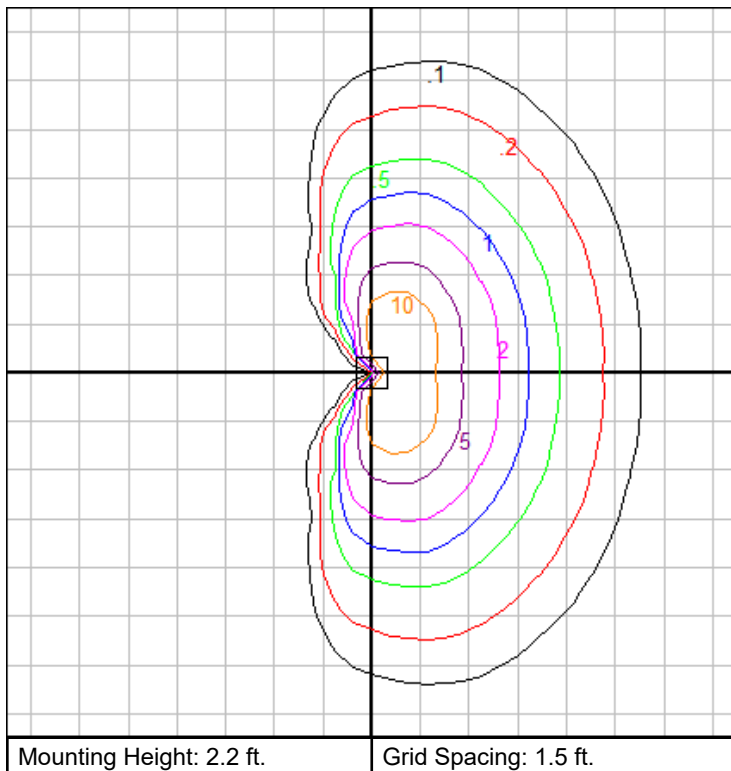
Characteristics

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	321
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	64
Total Luminaire Watts	6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	194.957 (300H, 50V)
Max. Cd. (<90 Vert.)	194.957 (300H, 50V)
Max. Cd. (At 90 Deg. Vert.)	.416 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	32.32 (10.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Zonal Lumen Summary

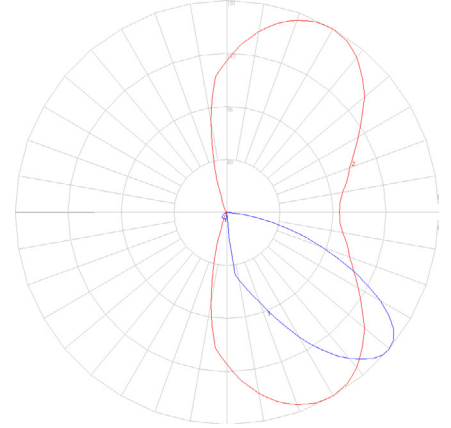
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	37.1	N.A.	11.5
FM (30-60)	167.8	N.A.	52.3
FH (60-80)	75.1	N.A.	23.4
FVH (80-90)	3.8	N.A.	1.2
BL (0-30)	4.9	N.A.	1.5
BM (30-60)	21.5	N.A.	6.7
BH (60-80)	10.2	N.A.	3.2
BVH (80-90)	0.6	N.A.	0.2
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	321.0	N.A.	100.0

BUG Rating B0-U0-G0



BEGA

TEST: BE_84218K4
 TEST LAB: BEGA
 DATE: 6/26/2017
 LUMINAIRE: 84 218K35
 LAMP: 4.2W LED



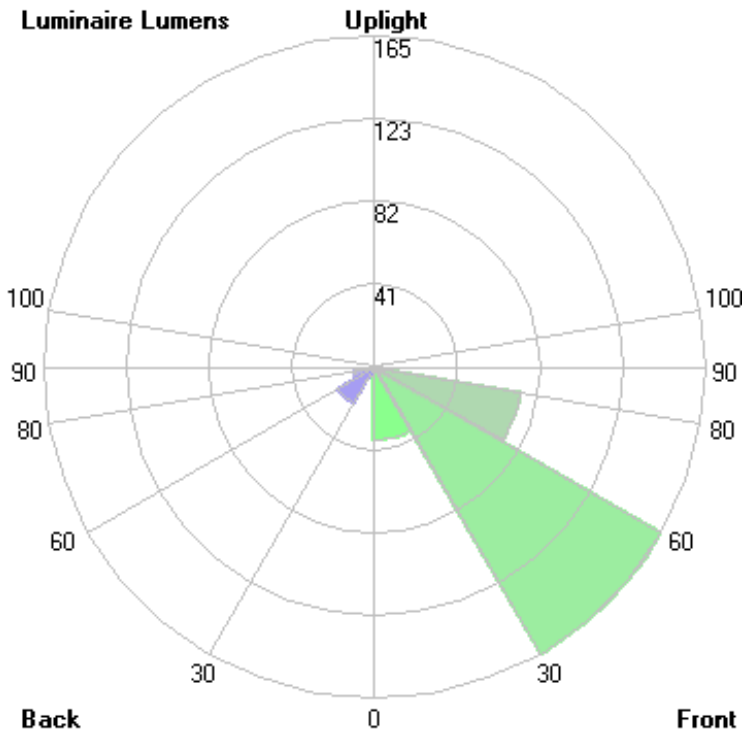
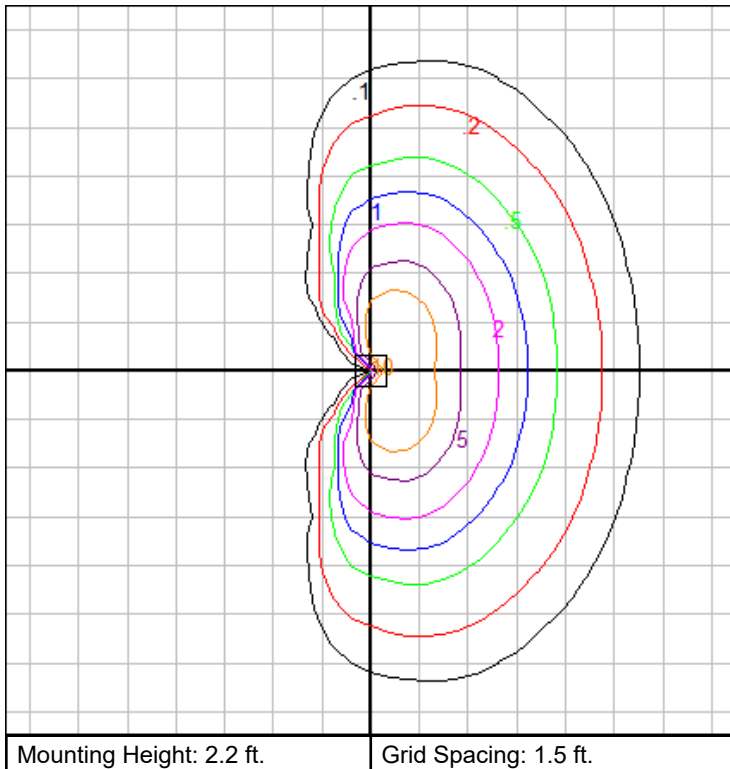
Characteristics

ES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	315
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	63
Total Luminaire Watts	6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	191.278 (300H, 50V)
Max. Cd. (<90 Vert.)	191.278 (300H, 50V)
Max. Cd. (At 90 Deg. Vert.)	.408 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	31.71 (10.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Zonal Lumen Summary

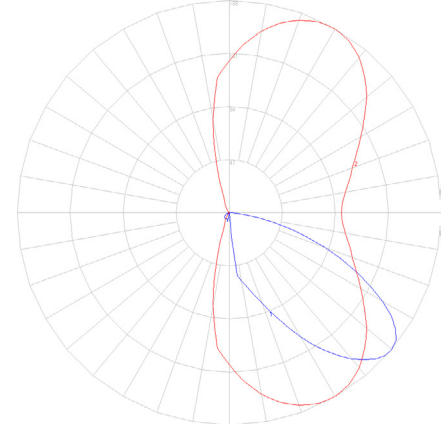
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	37.1	N.A.	11.5
FM (30-60)	167.8	N.A.	52.3
FH (60-80)	75.1	N.A.	23.4
FVH (80-90)	3.8	N.A.	1.2
BL (0-30)	4.9	N.A.	1.5
BM (30-60)	21.5	N.A.	6.7
BH (60-80)	10.2	N.A.	3.2
BVH (80-90)	0.6	N.A.	0.2
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	321.0	N.A.	100.0

BUG Rating B0-U0-G0



BEGA

TEST: BE_84218K4
 TEST LAB: BEGA
 DATE: 6/26/2017
 LUMINAIRE: 84 218K3
 LAMP: 4.2W LED



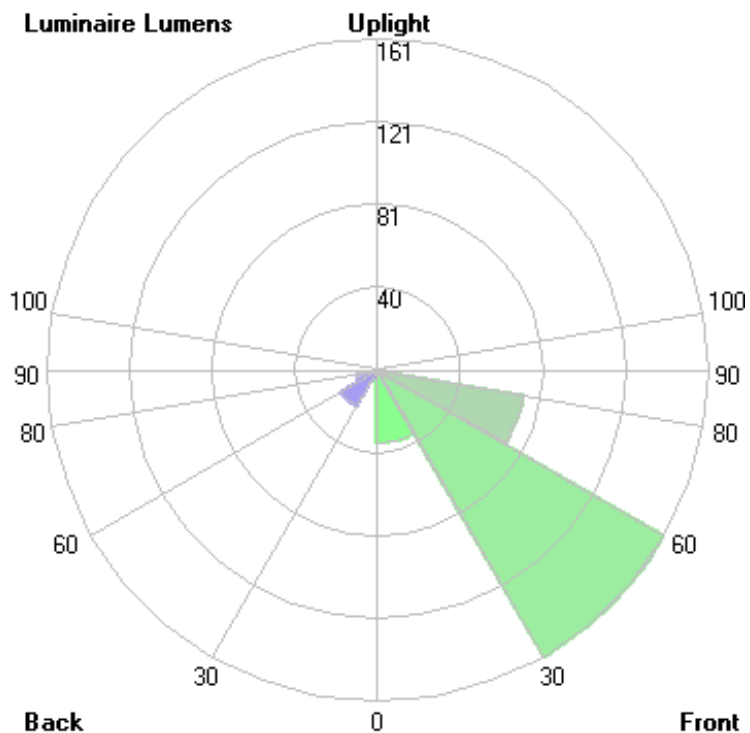
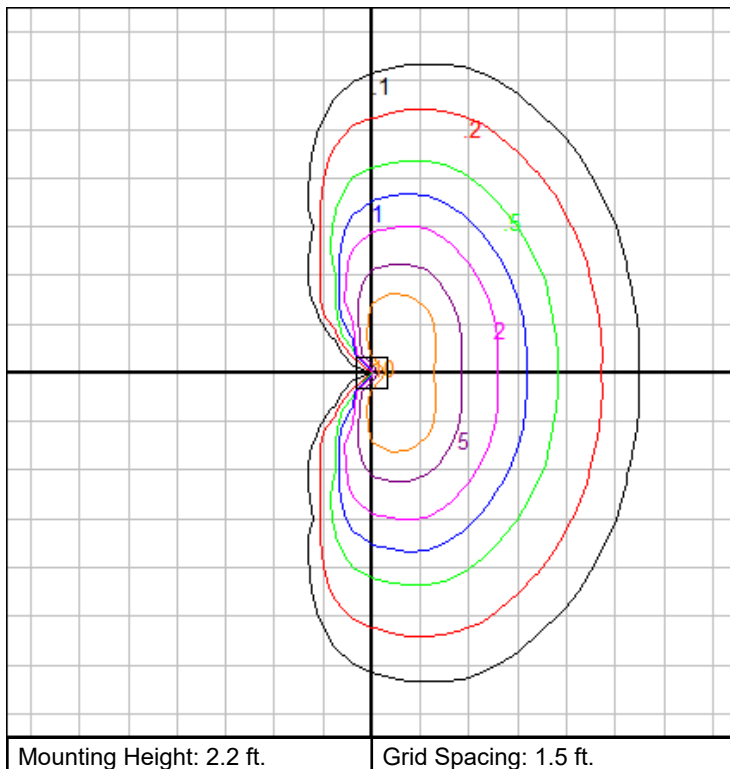
Characteristics

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	309
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	187.6 (300H, 50V)
Max. Cd. (<90 Vert.)	187.6 (300H, 50V)
Max. Cd. (At 90 Deg. Vert.)	.4 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	31.1 (10.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Zonal Lumen Summary

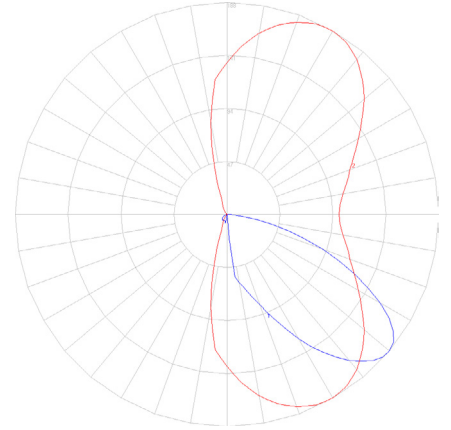
LCS Zone		Lumens	%Lamp	%Lum
FL	(0-30)	35.7	N.A.	11.5
FM	(30-60)	161.5	N.A.	52.3
FH	(60-80)	72.2	N.A.	23.4
FVH	(80-90)	3.6	N.A.	1.2
BL	(0-30)	4.8	N.A.	1.5
BM	(30-60)	20.7	N.A.	6.7
BH	(60-80)	9.8	N.A.	3.2
BVH	(80-90)	0.6	N.A.	0.2
UL	(90-100)	0.0	N.A.	0.0
UH	(100-180)	0.0	N.A.	0.0
Total		308.9	N.A.	100.0

BUG Rating B0-U0-G0



BEGA

TEST: BE_84218K4
 TEST LAB: BEGA
 DATE: 6/26/2017
 LUMINAIRE: 84 218K27
 LAMP: 4.2W LED



Characteristics

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	309
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	62
Total Luminaire Watts	6
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	187.6 (300H, 50V)
Max. Cd. (<90 Vert.)	187.6 (300H, 50V)
Max. Cd. (At 90 Deg. Vert.)	.4 (0.1%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	31.1 (10.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Zonal Lumen Summary

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	35.7	N.A.	11.5
FM (30-60)	161.5	N.A.	52.3
FH (60-80)	72.2	N.A.	23.4
FVH (80-90)	3.6	N.A.	1.2
BL (0-30)	4.8	N.A.	1.5
BM (30-60)	20.7	N.A.	6.7
BH (60-80)	9.8	N.A.	3.2
BVH (80-90)	0.6	N.A.	0.2
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	308.9	N.A.	100.0

BUG Rating B0-U0-G0

