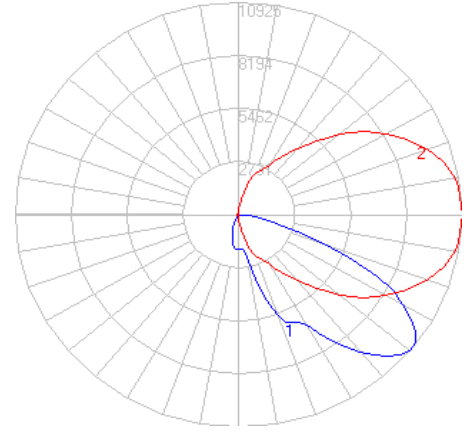


BEGA

File: 84250K4_BEGA_IES.ies

TEST: BE_84250K4
TEST LAB: BEGA
DATE: 7/31/2019
LUMINAIRE: 84250K4
LAMP: 98.3W LED



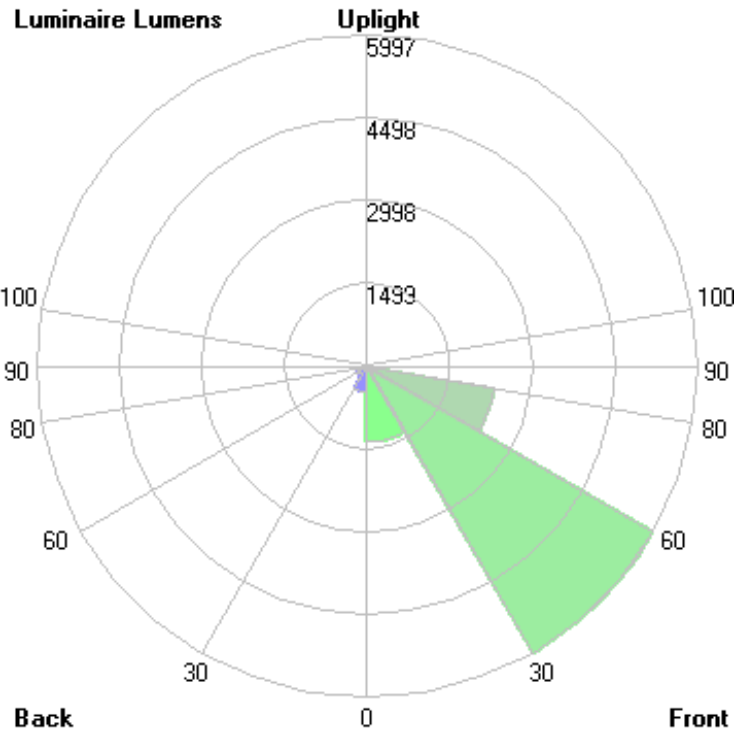
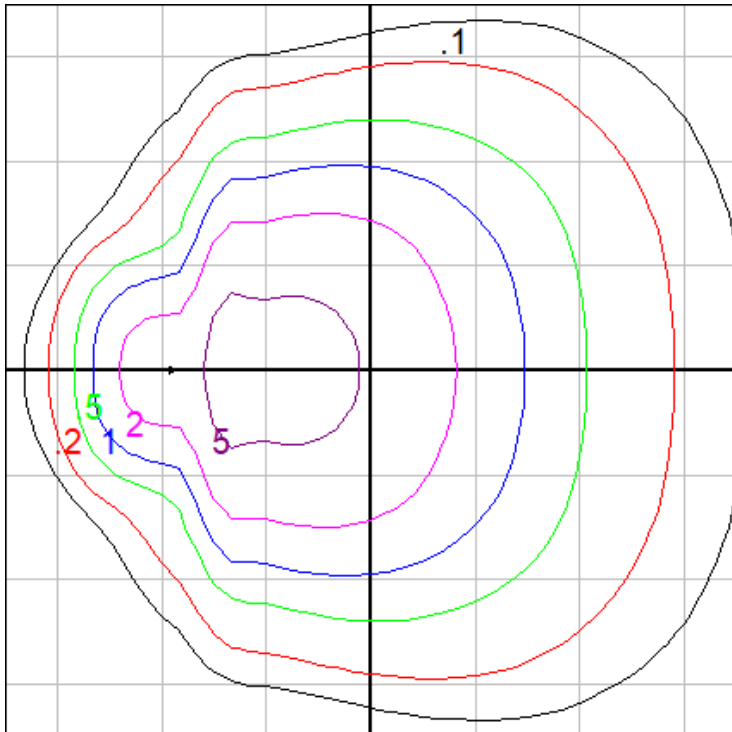
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10523
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	105
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	10924.9 (360H, 50V)
Max. Cd. (<90 Vert.)	10924.9 (360H, 50V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	1223.6 (11.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1366.8	N.A.	13.0
FM (30-60)	5996.9	N.A.	57.0
FH (60-80)	2352.0	N.A.	22.4
FVH(80-90)	113.9	N.A.	1.1
BL (0-30)	470.0	N.A.	4.5
BM (30-60)	197.9	N.A.	1.9
BH (60-80)	24.6	N.A.	0.2
BVH(80-90)	1.2	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	10523.3	N.A.	100.0

BUG Rating B1-U0-G2



Mounting Height: 25 ft. (Pole 2408SF) | Grid Spacing: 15 ft.

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

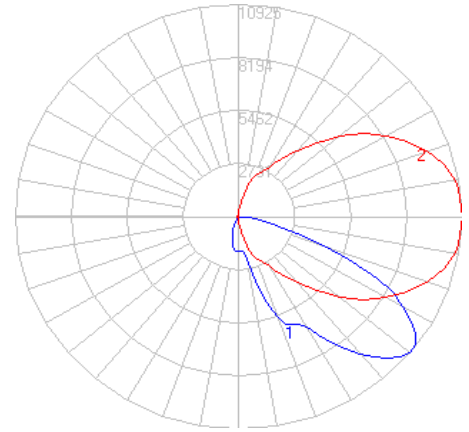
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BEGA

File: 84250K35_BEGA_IES.ies

TEST: BE_84250K4
TEST LAB: BEGA
DATE: 7/31/2019
LUMINAIRE: 84250K35
LAMP: 98.3W LED



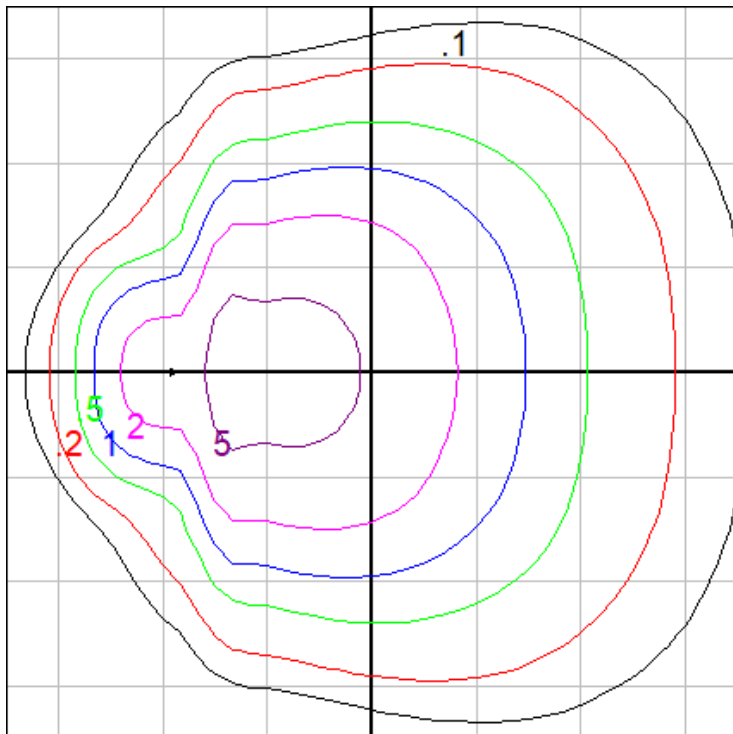
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10523
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	105
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	10924.9 (360H, 50V)
Max. Cd. (<90 Vert.)	10924.9 (360H, 50V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	1223.6 (11.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

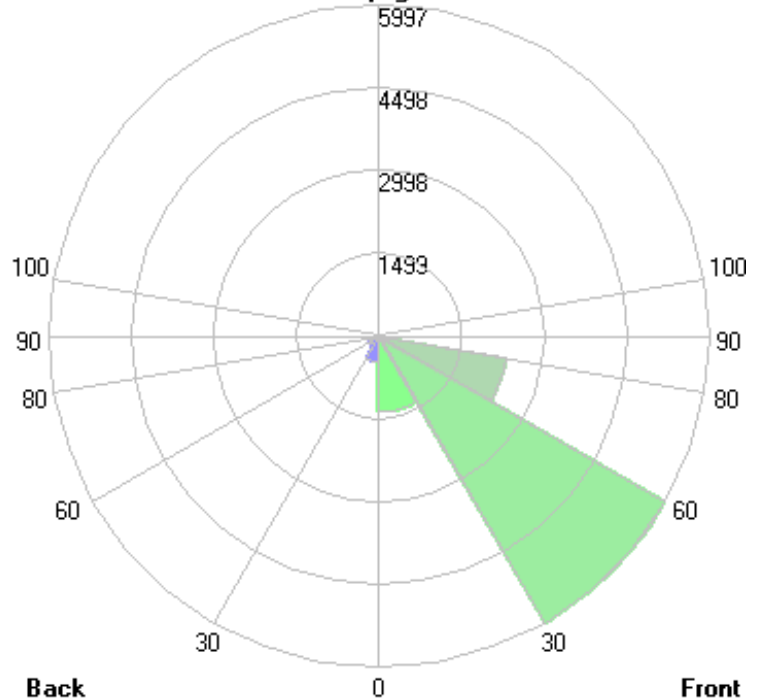
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1366.8	N.A.	13.0
FM (30-60)	5996.9	N.A.	57.0
FH (60-80)	2352.0	N.A.	22.4
FVH(80-90)	113.9	N.A.	1.1
BL (0-30)	470.0	N.A.	4.5
BM (30-60)	197.9	N.A.	1.9
BH (60-80)	24.6	N.A.	0.2
BVH(80-90)	1.2	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	10523.3	N.A.	100.0

BUG Rating B1-U0-G2



Luminaire Lumens

Uplight



Mounting Height: 25 ft. (Pole 2408SF) | Grid Spacing: 15 ft.

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

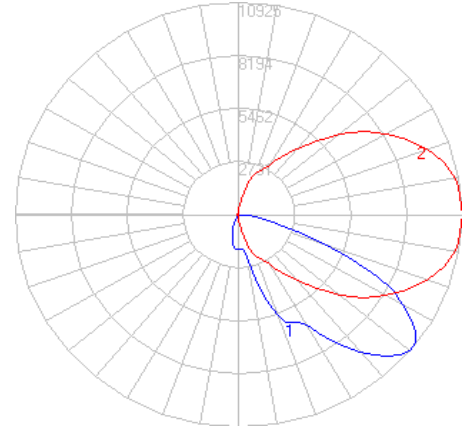
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BEGA

File: 84250K3_BEGA_IES.ies

TEST: BE_84250K4
TEST LAB: BEGA
DATE: 7/31/2019
LUMINAIRE: 84250K3
LAMP: 98.3W LED



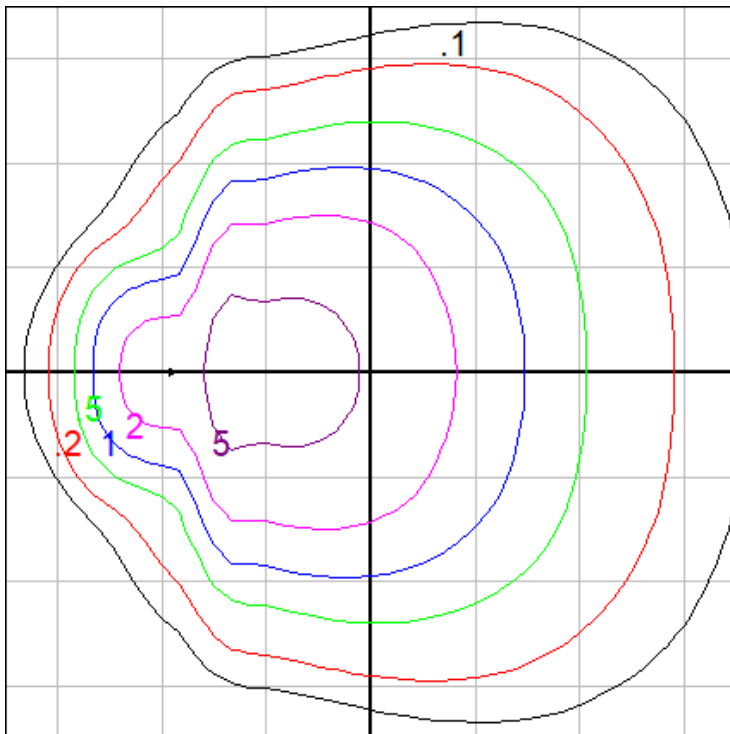
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10523
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	105
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	10924.9 (360H, 50V)
Max. Cd. (<90 Vert.)	10924.9 (360H, 50V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	1223.6 (11.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

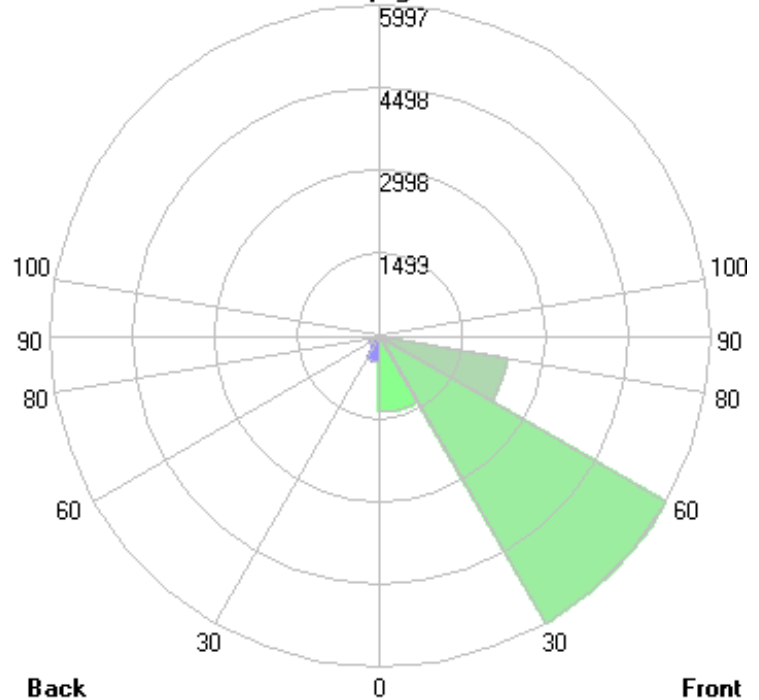
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1366.8	N.A.	13.0
FM (30-60)	5996.9	N.A.	57.0
FH (60-80)	2352.0	N.A.	22.4
FVH(80-90)	113.9	N.A.	1.1
BL (0-30)	470.0	N.A.	4.5
BM (30-60)	197.9	N.A.	1.9
BH (60-80)	24.6	N.A.	0.2
BVH(80-90)	1.2	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	10523.3	N.A.	100.0

BUG Rating B1-U0-G2



Luminaire Lumens

Uplight



Mounting Height: 25 ft. (Pole 2408SF) | Grid Spacing: 15 ft.

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

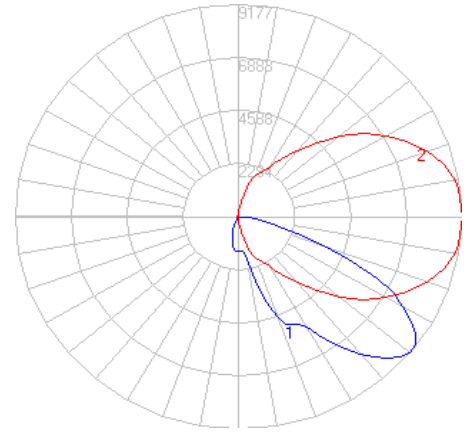
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BEGA

File: 84250K27_BEGA_IES.ies

TEST: BE_84250K4
TEST LAB: BEGA
DATE: 7/31/2019
LUMINAIRE: 84250K27
LAMP: 98.3W LED



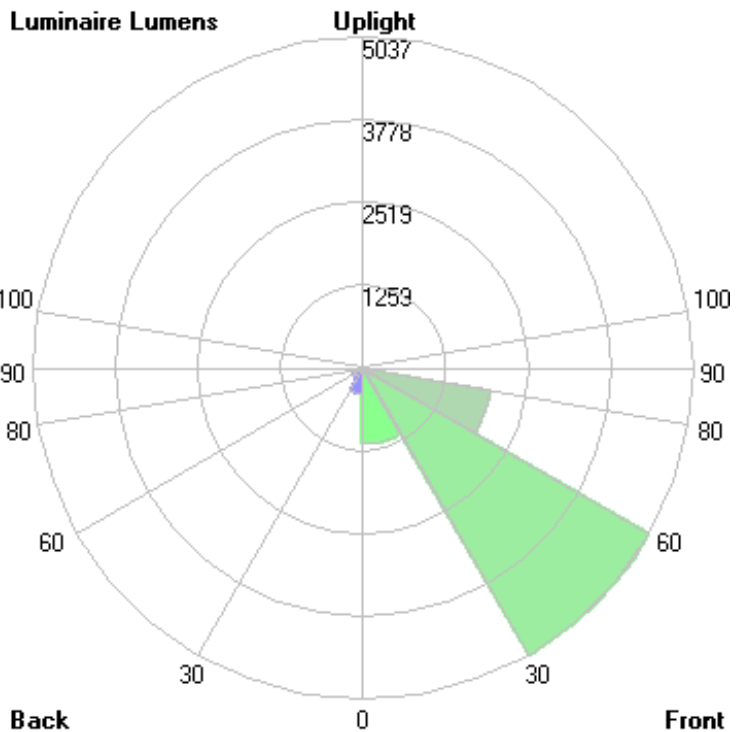
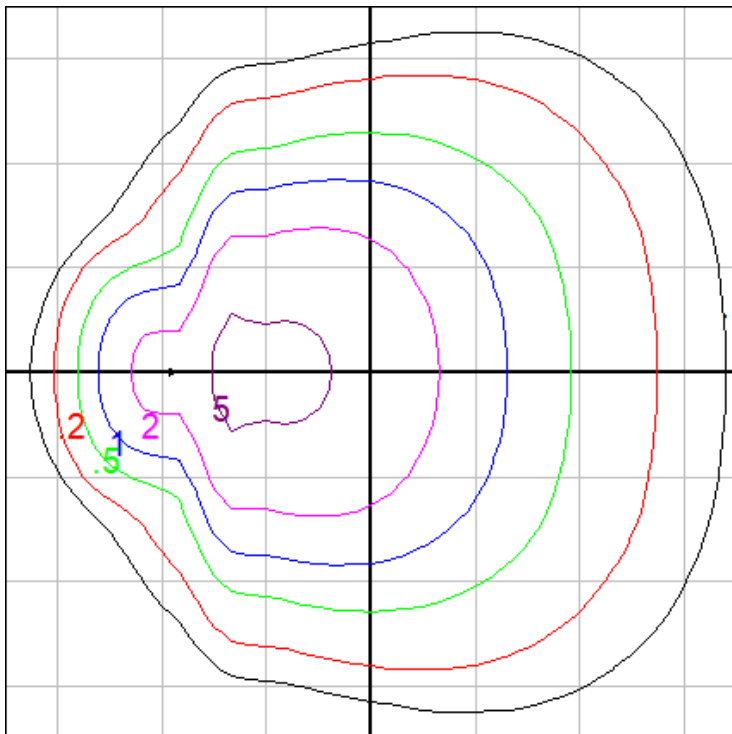
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	8840
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	105
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	9176.916 (360H, 50V)
Max. Cd. (<90 Vert.)	9176.916 (360H, 50V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	1027.824 (11.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	1148.1	N.A.	13.0
FM (30-60)	5037.4	N.A.	57.0
FH (60-80)	1975.7	N.A.	22.4
FVH(80-90)	95.6	N.A.	1.1
BL (0-30)	394.8	N.A.	4.5
BM (30-60)	166.2	N.A.	1.9
BH (60-80)	20.7	N.A.	0.2
BVH(80-90)	1.0	N.A.	0.0
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	8839.5	N.A.	100.0

BUG Rating B1-U0-G2



Mounting Height: 25 ft. (Pole 2408SF) | Grid Spacing: 15 ft.

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