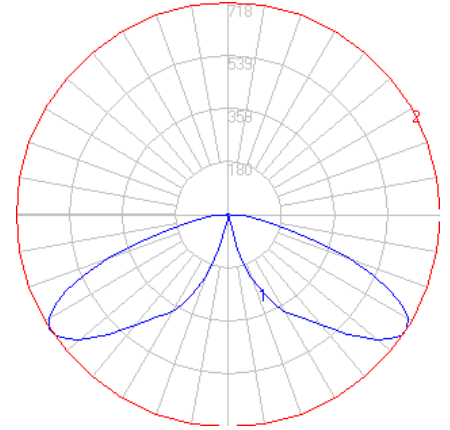
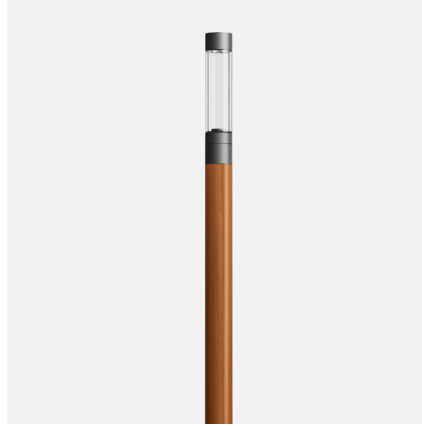


BEGA

File: 84492K4_BEGA_IES.ies

TEST: BE_84492K4
TEST LAB: BEGA
DATE: 6/22/2018
LUMINAIRE: 84 492K4
LAMP: 19.5W LED



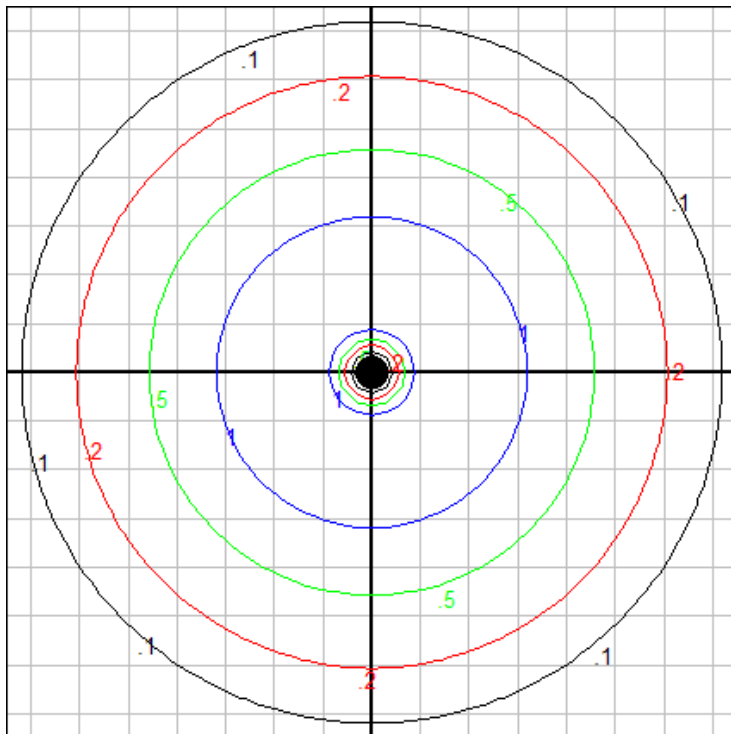
Characteristics

IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2442
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	718.3 (0H, 57.5V)
Max. Cd. (<90 Vert.)	718.3 (0H, 57.5V)
Max. Cd. (At 90 Deg. Vert.)	5.7 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	118.8 (4.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

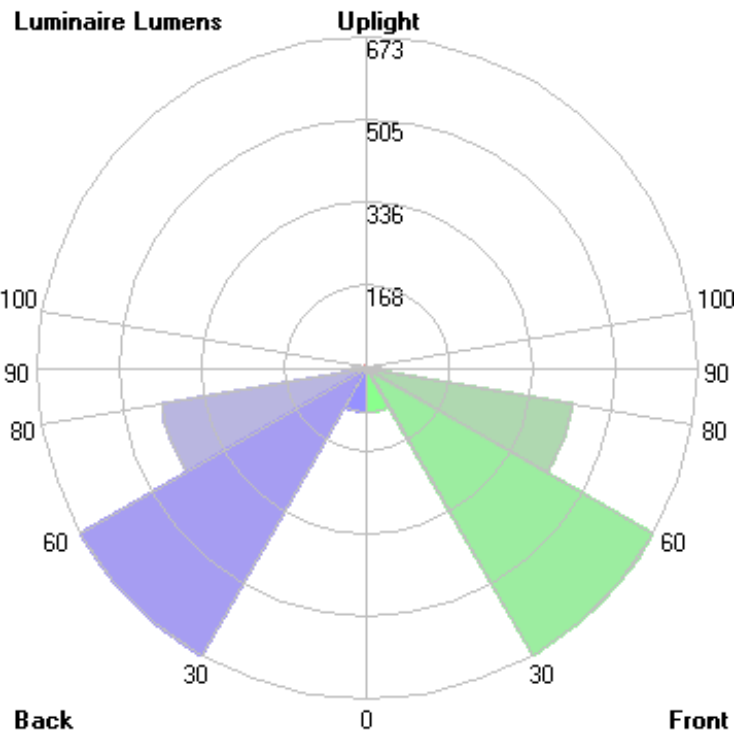
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	89.8	N.A.	3.7
FM (30-60)	672.7	N.A.	27.6
FH (60-80)	424.7	N.A.	17.4
FVH (80-90)	29.4	N.A.	1.2
BL (0-30)	89.8	N.A.	3.7
BM (30-60)	672.7	N.A.	27.6
BH (60-80)	424.7	N.A.	17.4
BVH (80-90)	29.4	N.A.	1.2
UL (90-100)	4.2	N.A.	0.2
UH (100-180)	4.2	N.A.	0.2
Total	2441.6	N.A.	100.0

BUG Rating B1-U1-G1



Grid Spacing: 5 ft.



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

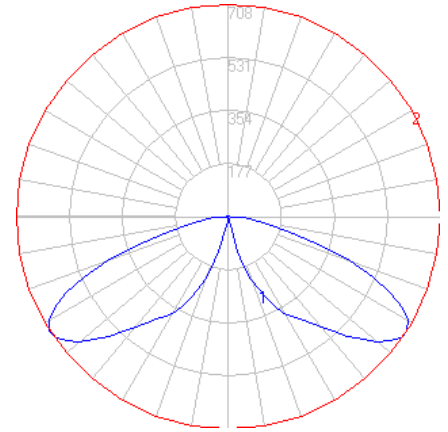
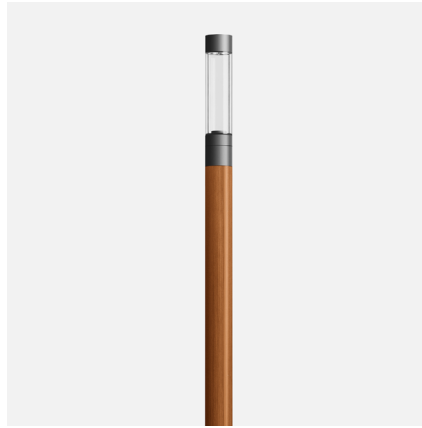
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BEGA

File: 84492K35_BEGA_IES.ies

TEST: BE_84492K4
TEST LAB: BEGA
DATE: 6/22/2018
LUMINAIRE: 84 492K35
LAMP: 19.5W LED



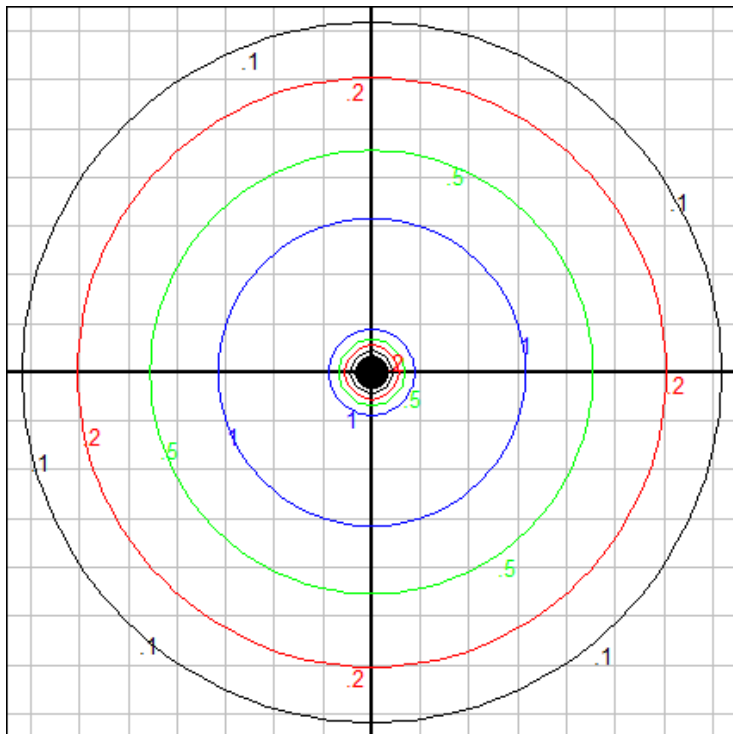
Characteristics

IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2408
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	100
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	708.244 (0H, 57.5V)
Max. Cd. (<90 Vert.)	708.244 (0H, 57.5V)
Max. Cd. (At 90 Deg. Vert.)	5.62 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	117.137 (4.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

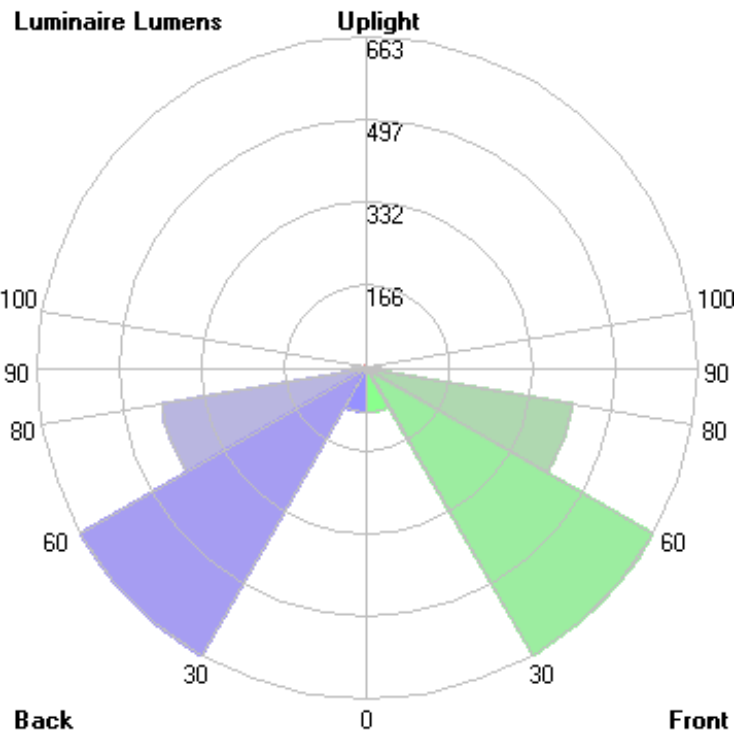
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	88.6	N.A.	3.7
FM (30-60)	663.3	N.A.	27.6
FH (60-80)	418.7	N.A.	17.4
FVH (80-90)	29.0	N.A.	1.2
BL (0-30)	88.6	N.A.	3.7
BM (30-60)	663.3	N.A.	27.6
BH (60-80)	418.7	N.A.	17.4
BVH (80-90)	29.0	N.A.	1.2
UL (90-100)	4.1	N.A.	0.2
UH (100-180)	4.1	N.A.	0.2
Total	2407.4	N.A.	100.0

BUG Rating B1-U1-G1



Grid Spacing: 5 ft.



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

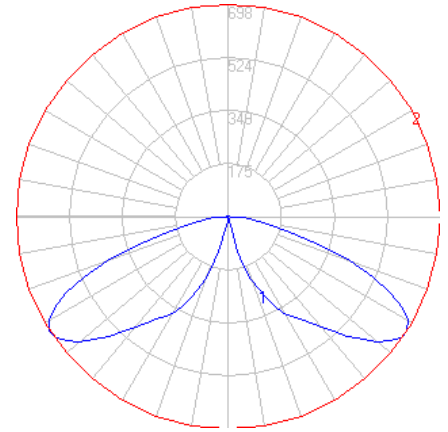
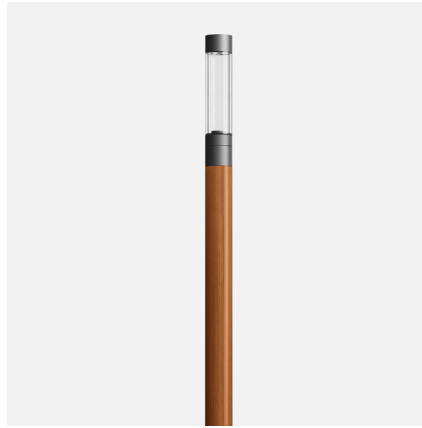
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BEGA

File: 84492K3_BEGA_IES.ies

TEST: BE_84492K4
TEST LAB: BEGA
DATE: 6/22/2018
LUMINAIRE: 84 492K3
LAMP: 19.5W LED



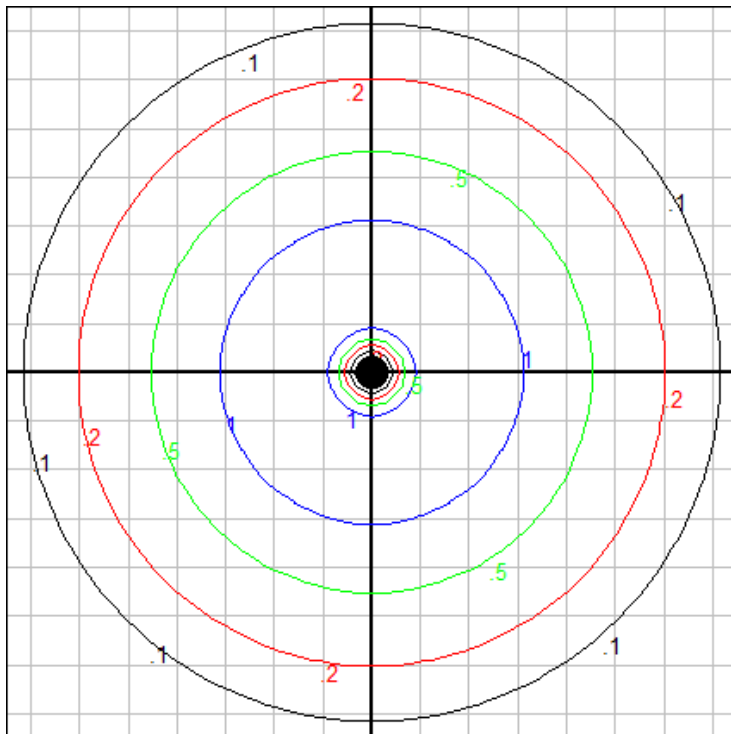
Characteristics

IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2373
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	99
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	698.188 (0H, 57.5V)
Max. Cd. (<90 Vert.)	698.188 (0H, 57.5V)
Max. Cd. (At 90 Deg. Vert.)	5.54 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	115.474 (4.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

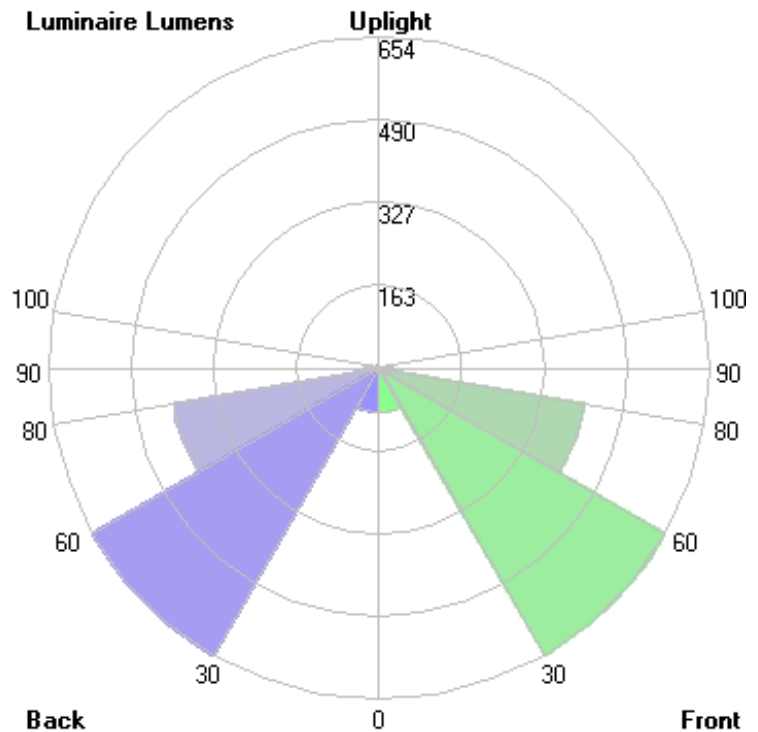
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	87.3	N.A.	3.7
FM (30-60)	653.9	N.A.	27.6
FH (60-80)	412.8	N.A.	17.4
FVH (80-90)	28.6	N.A.	1.2
BL (0-30)	87.3	N.A.	3.7
BM (30-60)	653.9	N.A.	27.6
BH (60-80)	412.8	N.A.	17.4
BVH (80-90)	28.6	N.A.	1.2
UL (90-100)	4.1	N.A.	0.2
UH (100-180)	4.1	N.A.	0.2
Total	2373.4	N.A.	100.0

BUG Rating B1-U1-G1



Grid Spacing: 5 ft.



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

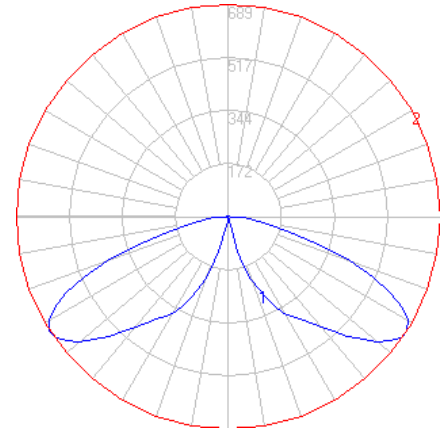
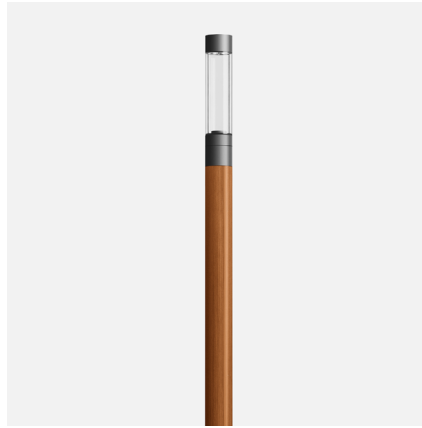
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BEGA

File: 84492K27_BEGA_IES.ies

TEST: BE_84492K4
TEST LAB: BEGA
DATE: 6/22/2018
LUMINAIRE: 84 492K27
LAMP: 19.5W LED



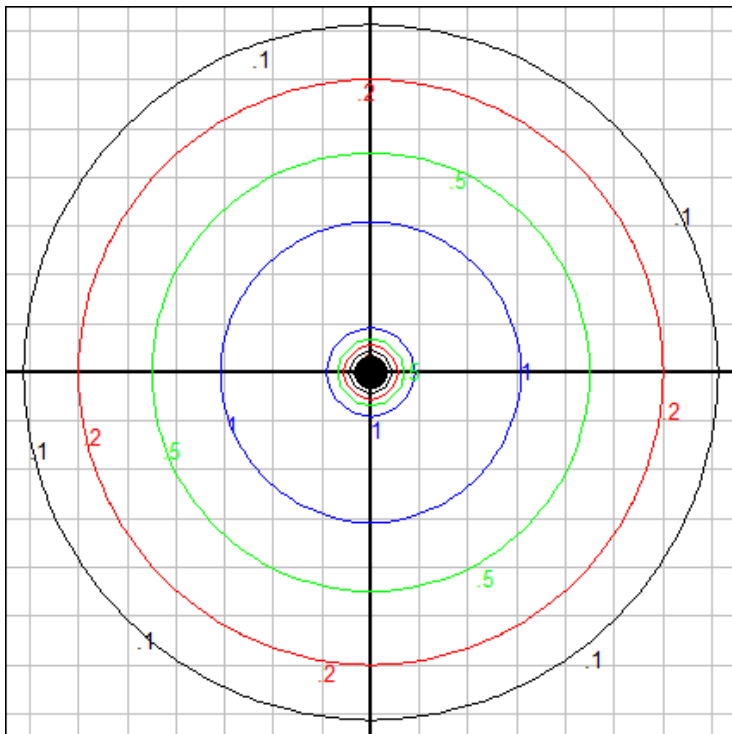
Characteristics

IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2342
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	688.85 (0H, 57.5V)
Max. Cd. (<90 Vert.)	688.85 (0H, 57.5V)
Max. Cd. (At 90 Deg. Vert.)	5.466 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	113.929 (4.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

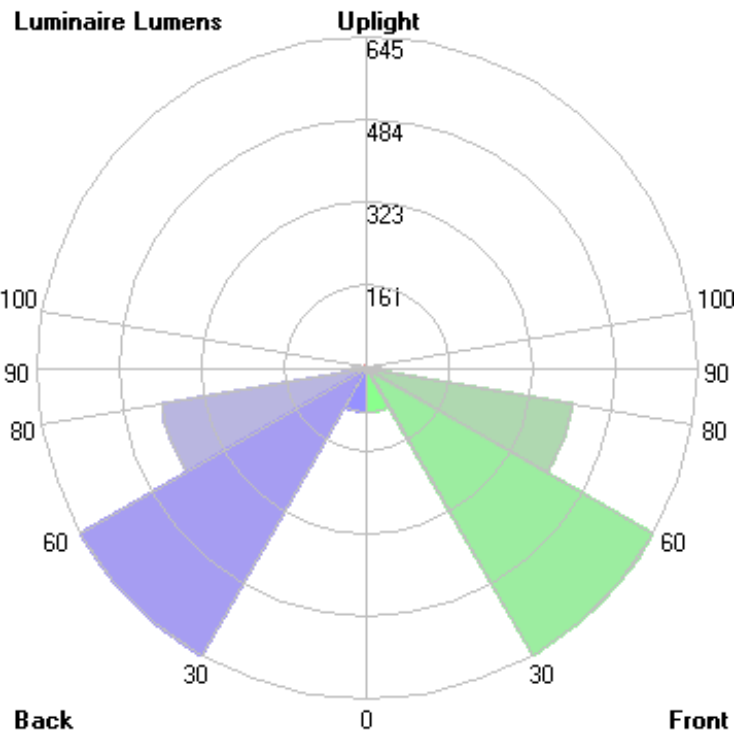
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	86.2	N.A.	3.7
FM (30-60)	645.2	N.A.	27.6
FH (60-80)	407.3	N.A.	17.4
FVH (80-90)	28.2	N.A.	1.2
BL (0-30)	86.2	N.A.	3.7
BM (30-60)	645.2	N.A.	27.6
BH (60-80)	407.3	N.A.	17.4
BVH (80-90)	28.2	N.A.	1.2
UL (90-100)	4.0	N.A.	0.2
UH (100-180)	4.0	N.A.	0.2
Total	2341.8	N.A.	100.0

BUG Rating B1-U1-G1



Grid Spacing: 5 ft.



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