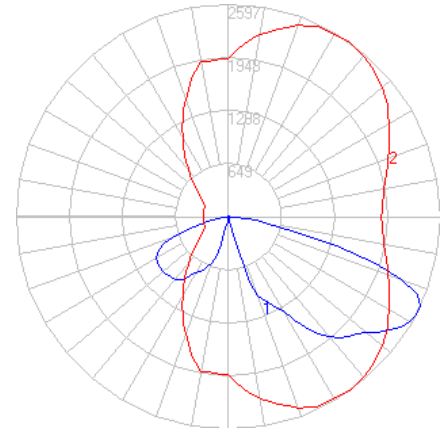
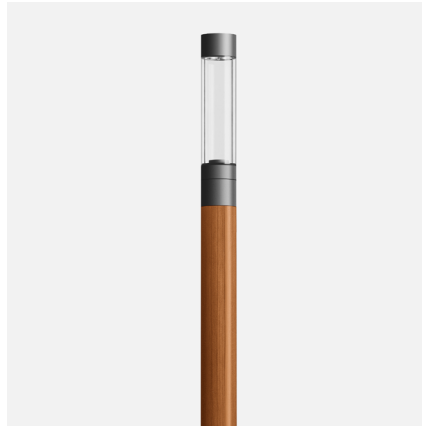


BEGA

File: 84497K4_BEGA_IES.ies

TEST: BE_84497K4
TEST LAB: BEGA
DATE: 9/2/2015
LUMINAIRE: 84 497K4
LAMP: 46.8W LED



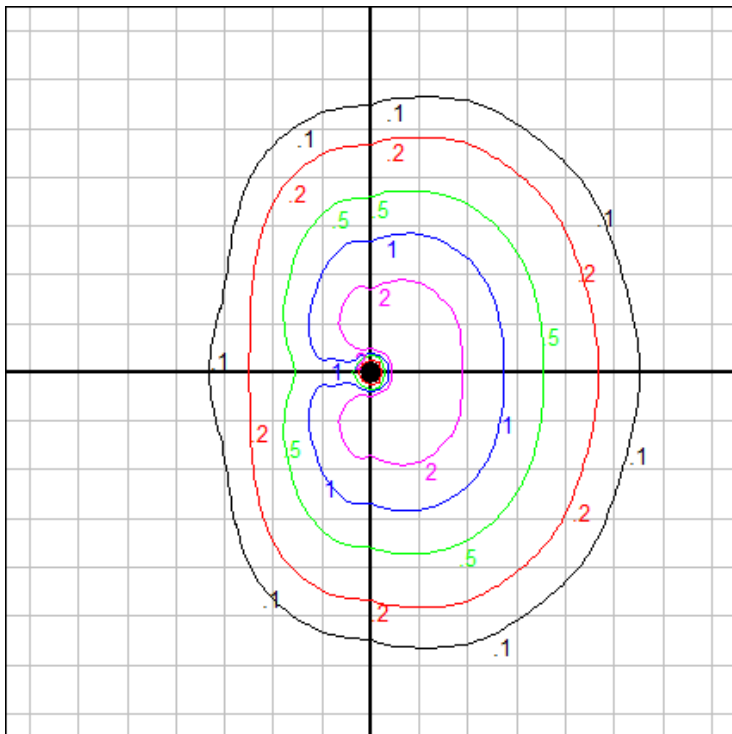
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6392
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	110
Total Luminaire Watts	58
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2596.8 (305H, 65V)
Max. Cd. (<90 Vert.)	2596.8 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	10.6 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	559.1 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

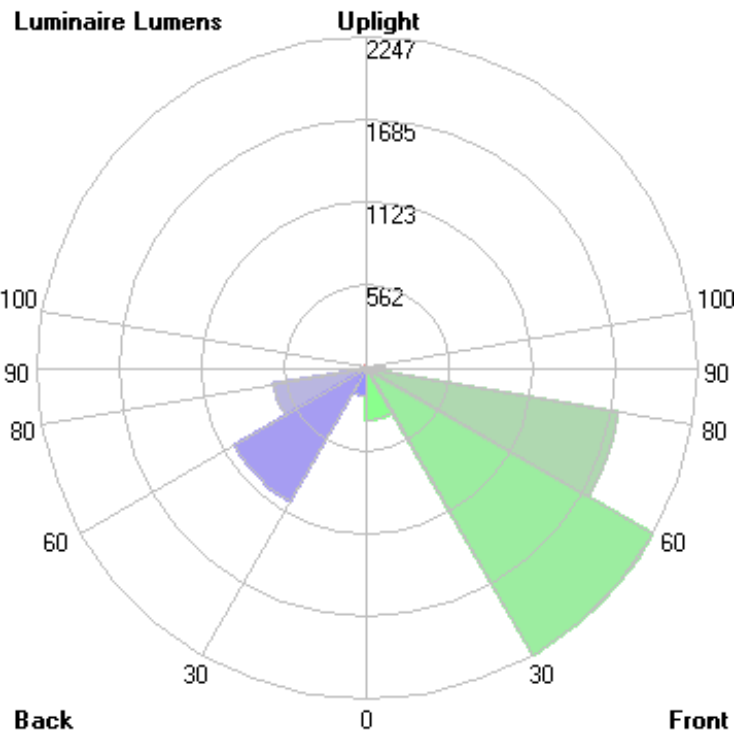
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	353.4	N.A.	5.5
FM (30-60)	2246.6	N.A.	35.1
FH (60-80)	1735.5	N.A.	27.2
FVH (80-90)	118.5	N.A.	1.9
BL (0-30)	188.5	N.A.	2.9
BM (30-60)	1043.1	N.A.	16.3
BH (60-80)	643.2	N.A.	10.1
BVH (80-90)	43.7	N.A.	0.7
UL (90-100)	6.0	N.A.	0.1
UH (100-180)	13.0	N.A.	0.2
Total	6391.5	N.A.	100.0

BUG Rating B2-U2-G2



Grid Spacing: 10 ft.



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

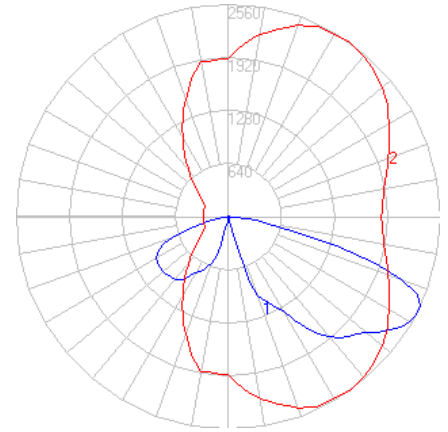
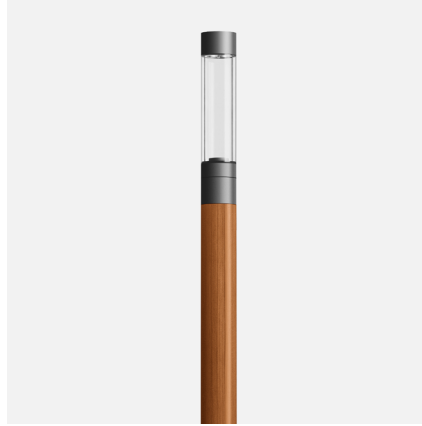
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BEGA

File: 84497K35_BEGA_IES.ies

TEST: BE_84497K4
TEST LAB: BEGA
DATE: 9/2/2015
LUMINAIRE: 84 497K35
LAMP: 46.8W LED



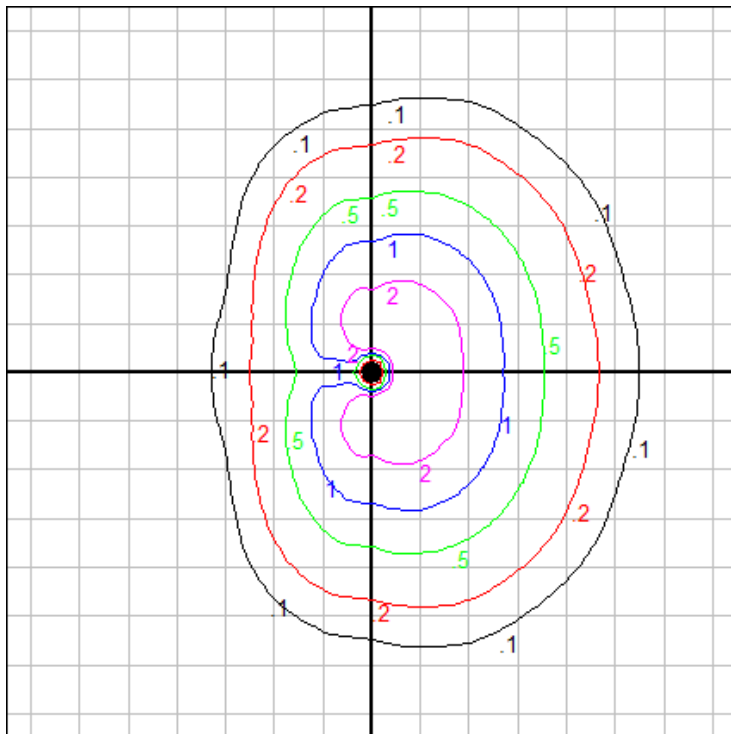
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6302
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	58
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2560.445 (305H, 65V)
Max. Cd. (<90 Vert.)	2560.445 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	10.452 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	551.273 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

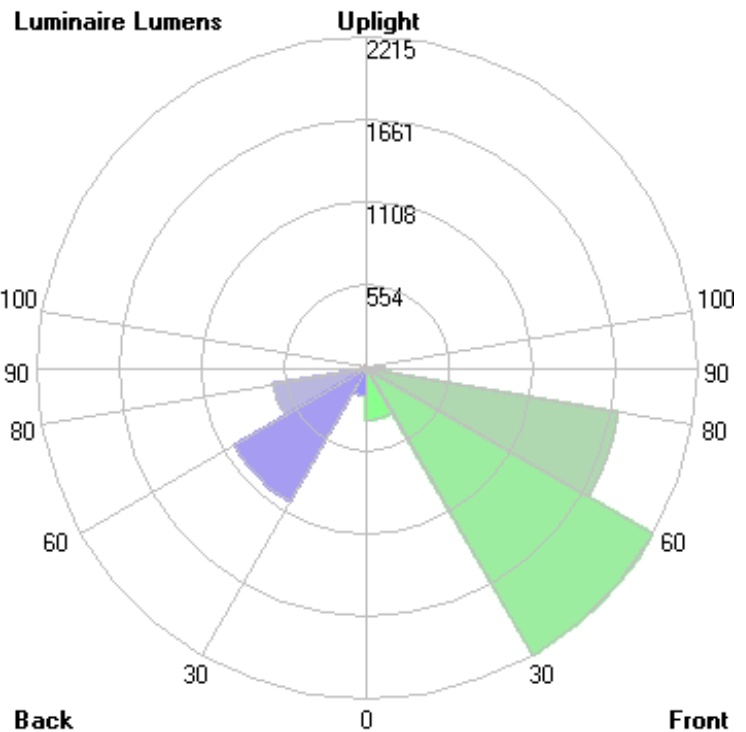
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	348.5	N.A.	5.5
FM (30-60)	2215.1	N.A.	35.1
FH (60-80)	1711.2	N.A.	27.2
FVH (80-90)	116.9	N.A.	1.9
BL (0-30)	185.9	N.A.	2.9
BM (30-60)	1028.5	N.A.	16.3
BH (60-80)	634.2	N.A.	10.1
BVH (80-90)	43.1	N.A.	0.7
UL (90-100)	5.9	N.A.	0.1
UH (100-180)	12.9	N.A.	0.2
Total	6302.2	N.A.	100.0

BUG Rating B2-U2-G2



Grid Spacing: 10 ft.



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

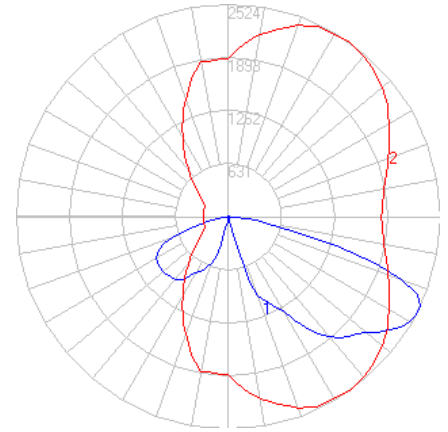
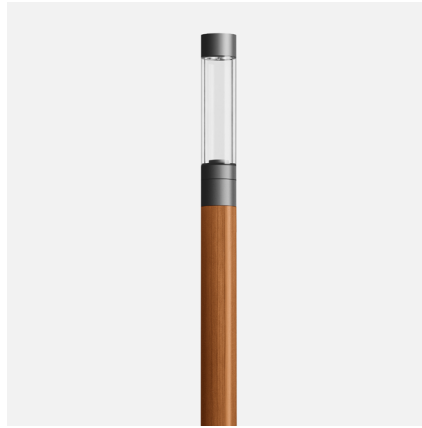
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BEGA

File: 84497K3_BEGA_IES.ies

TEST: BE_84497K4
TEST LAB: BEGA
DATE: 9/2/2015
LUMINAIRE: 84 497K3
LAMP: 46.8W LED



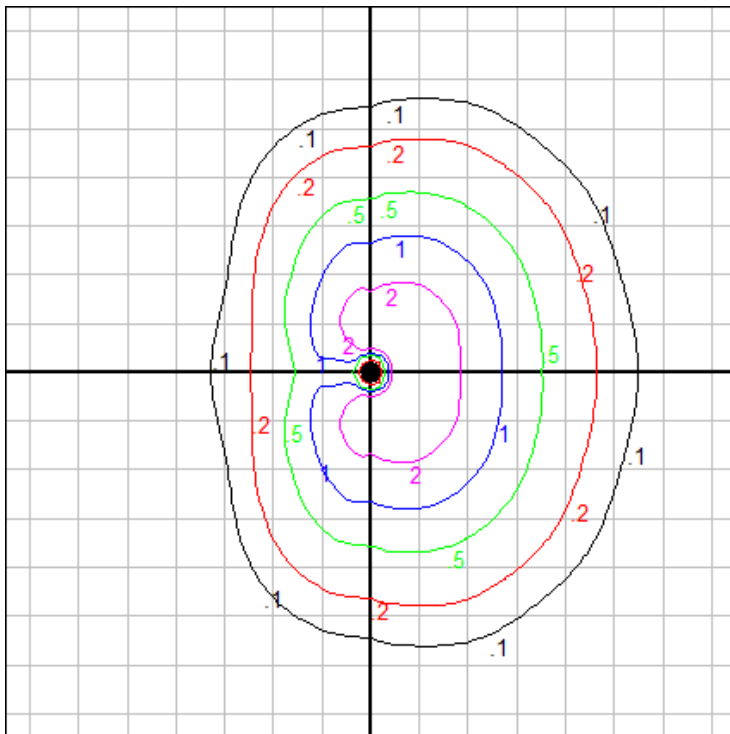
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6213
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	107
Total Luminaire Watts	58
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2524.09 (305H, 65V)
Max. Cd. (<90 Vert.)	2524.09 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	10.303 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	543.445 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

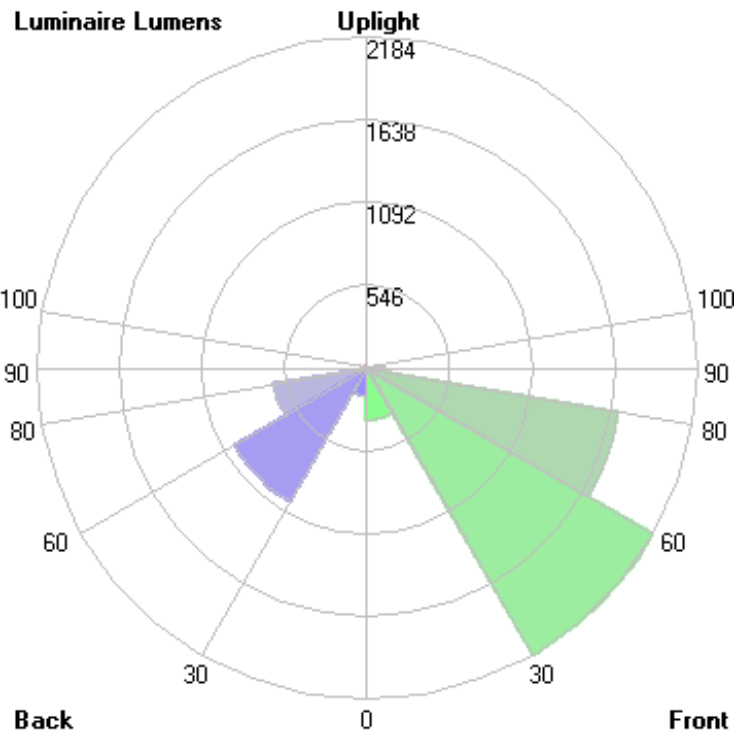
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	343.5	N.A.	5.5
FM (30-60)	2183.7	N.A.	35.2
FH (60-80)	1686.9	N.A.	27.2
FVH (80-90)	115.2	N.A.	1.9
BL (0-30)	183.2	N.A.	2.9
BM (30-60)	1013.8	N.A.	16.3
BH (60-80)	625.2	N.A.	10.1
BVH (80-90)	42.5	N.A.	0.7
UL (90-100)	5.8	N.A.	0.1
UH (100-180)	12.7	N.A.	0.2
Total	6212.5	N.A.	100.0

BUG Rating B2-U2-G2



Grid Spacing: 10 ft.



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

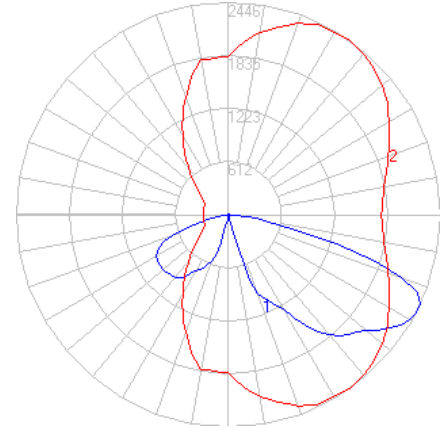
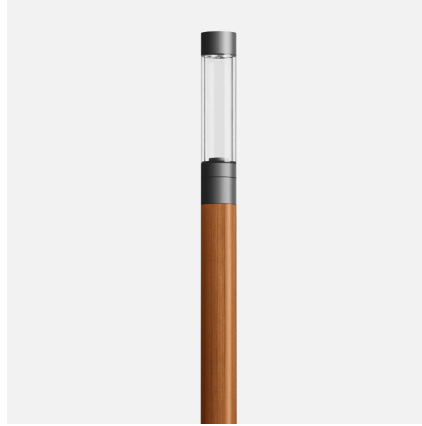
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BEGA

File: 84497K27_BEGA_IES.ies

TEST: BE_84497K4
TEST LAB: BEGA
DATE: 9/2/2015
LUMINAIRE: 84 497K27
LAMP: 46.8W LED



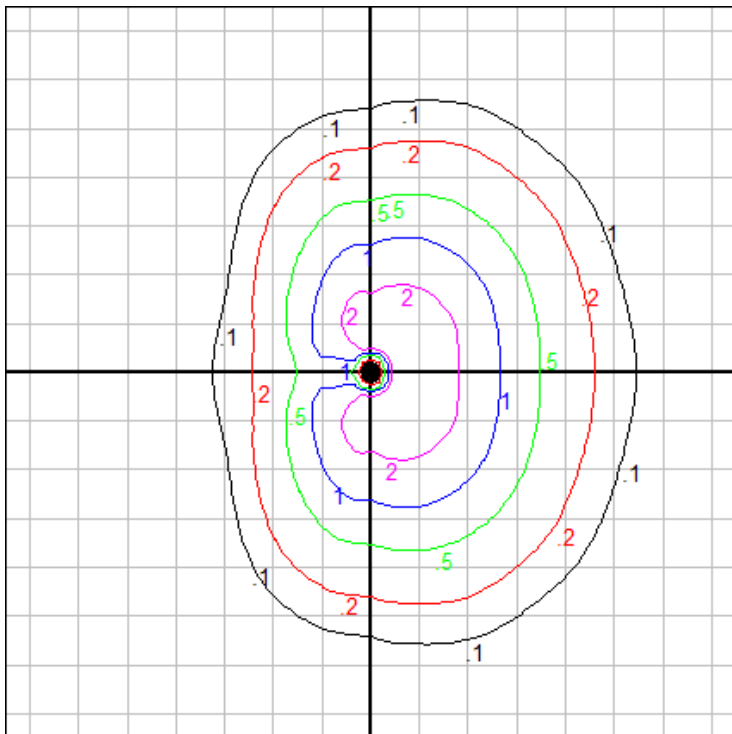
Characteristics

IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6021
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	104
Total Luminaire Watts	58
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2446.186 (305H, 65V)
Max. Cd. (<90 Vert.)	2446.186 (305H, 65V)
Max. Cd. (At 90 Deg. Vert.)	9.985 (0.2%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	526.672 (8.7%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

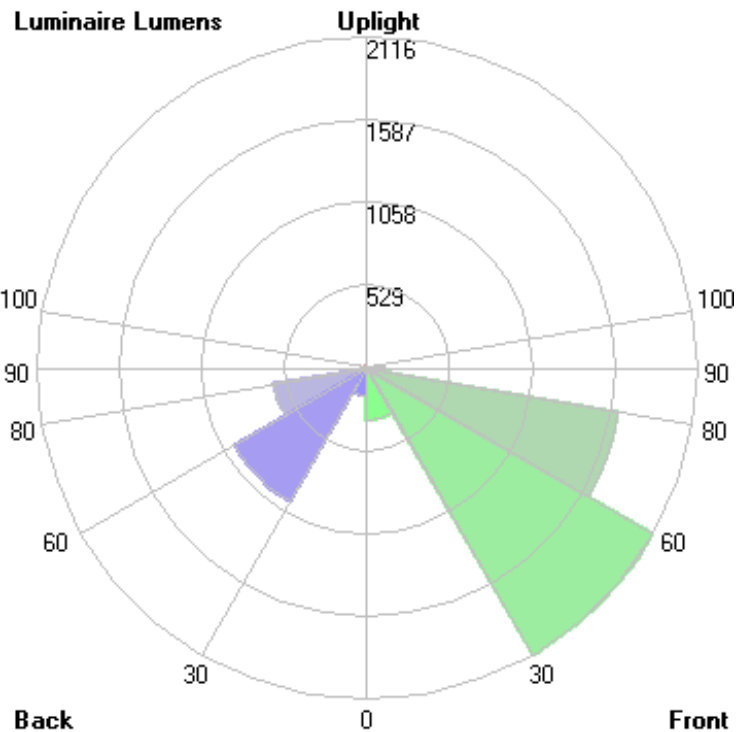
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	332.9	N.A.	5.5
FM (30-60)	2116.3	N.A.	35.1
FH (60-80)	1634.8	N.A.	27.2
FVH (80-90)	111.7	N.A.	1.9
BL (0-30)	177.6	N.A.	2.9
BM (30-60)	982.6	N.A.	16.3
BH (60-80)	605.9	N.A.	10.1
BVH (80-90)	41.2	N.A.	0.7
UL (90-100)	5.6	N.A.	0.1
UH (100-180)	12.3	N.A.	0.2
Total	6020.9	N.A.	100.0

BUG Rating B2-U2-G2



Grid Spacing: 10 ft.



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