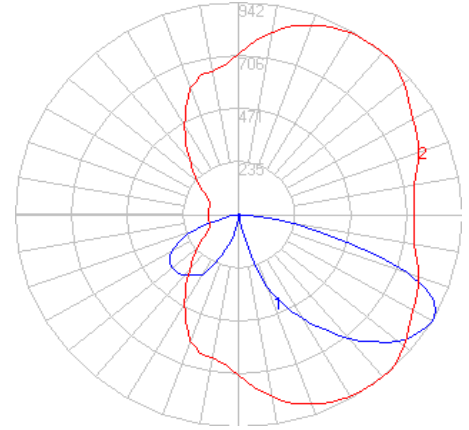


BEGA

File: 84138K4_BEGA_IES.ies

TEST: BE_84138K4
TEST LAB: BEGA
DATE: 06/22/2018
LUMINAIRE: 84 138K4
LAMP: 19.5W LED



Characteristics

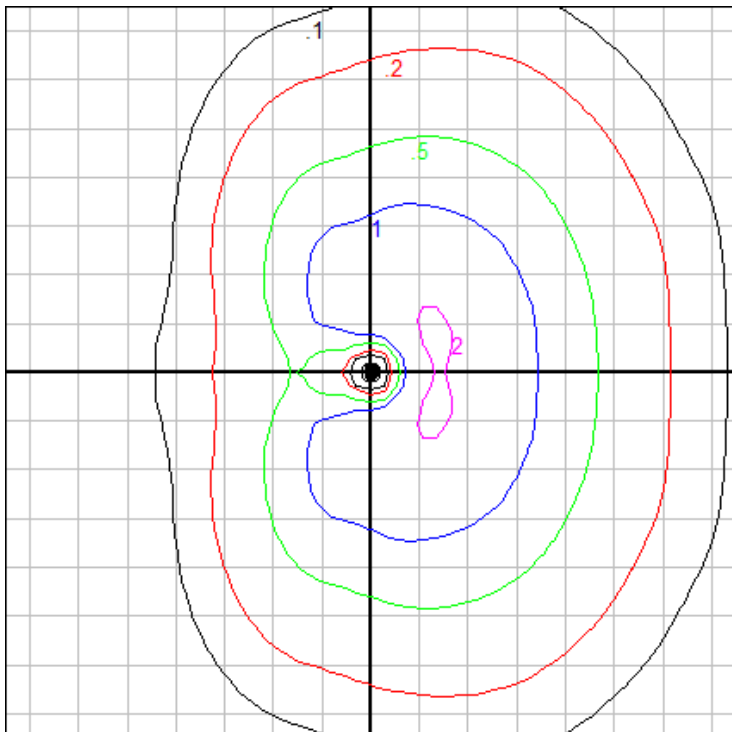
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2358
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	98
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	941.9 (310H, 60V)
Max. Cd. (<90 Vert.)	941.9 (310H, 60V)
Max. Cd. (At 90 Deg. Vert.)	6.8 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	261.3 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

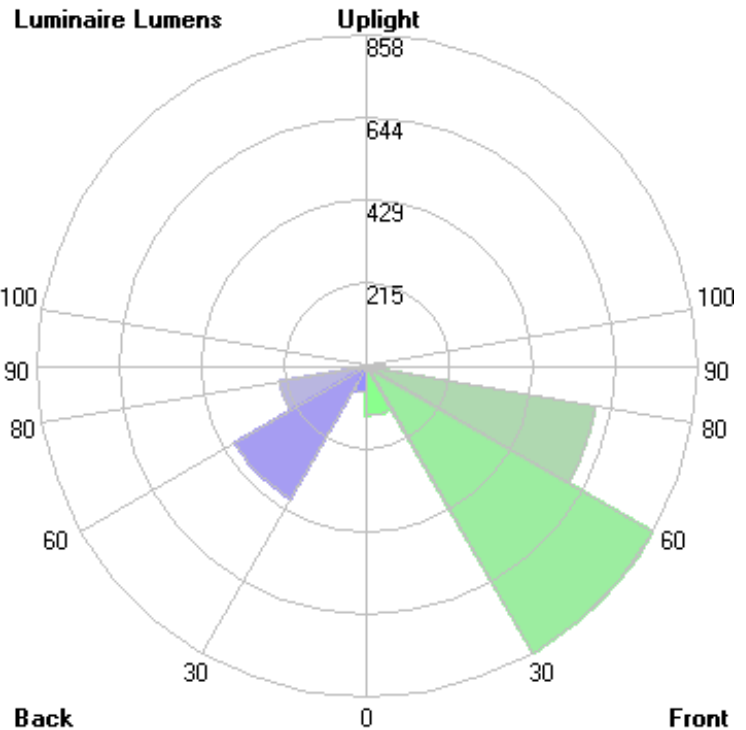
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	128.6	N.A.	5.5
FM (30-60)	858.3	N.A.	36.4
FH (60-80)	603.7	N.A.	25.6
FVH(80-90)	46.5	N.A.	2.0
BL (0-30)	68.4	N.A.	2.9
BM (30-60)	397.0	N.A.	16.8
BH (60-80)	228.9	N.A.	9.7
BVH(80-90)	19.4	N.A.	0.8
UL (90-100)	3.7	N.A.	0.2
UH (100-180)	3.8	N.A.	0.2
Total	2358.3	N.A.	100.0

BUG Rating B1-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information



Grid Spacing: 5 ft.



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

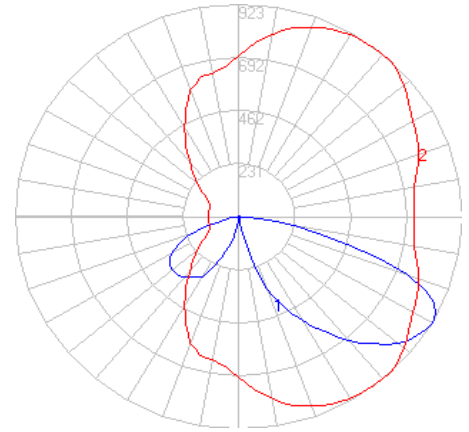
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BEGA

File: 84138K35_BEGA_IES.ies

TEST: BE_84138K4
TEST LAB: BEGA
DATE: 06/22/2018
LUMINAIRE: 84 138K35
LAMP: 19.5W LED



Characteristics

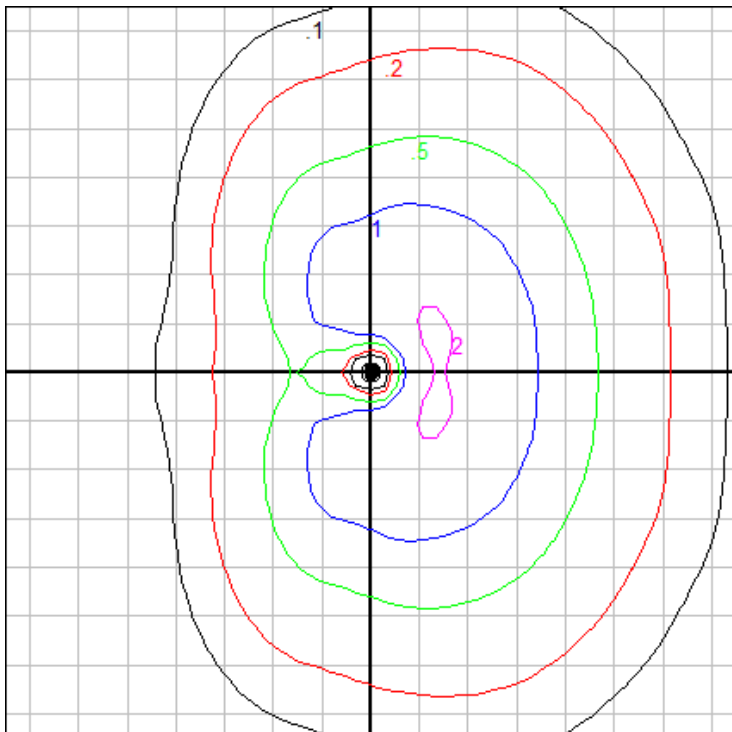
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2311
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	923.062 (310H, 60V)
Max. Cd. (<90 Vert.)	923.062 (310H, 60V)
Max. Cd. (At 90 Deg. Vert.)	6.664 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	256.074 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

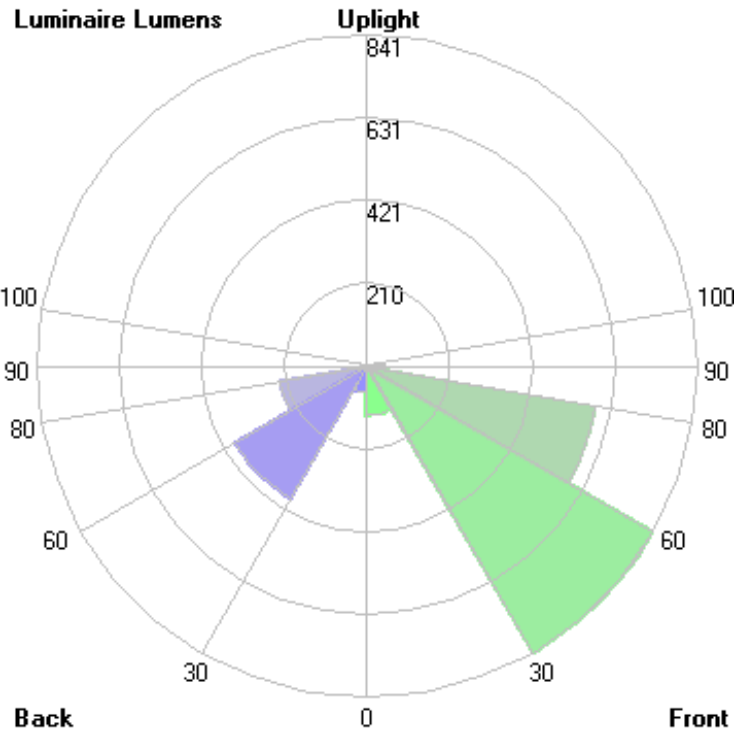
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	126.0	N.A.	5.5
FM (30-60)	841.1	N.A.	36.4
FH (60-80)	591.6	N.A.	25.6
FVH(80-90)	45.6	N.A.	2.0
BL (0-30)	67.0	N.A.	2.9
BM (30-60)	389.0	N.A.	16.8
BH (60-80)	224.3	N.A.	9.7
BVH(80-90)	19.0	N.A.	0.8
UL (90-100)	3.6	N.A.	0.2
UH (100-180)	3.7	N.A.	0.2
Total	2310.9	N.A.	100.0

BUG Rating B1-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information



Grid Spacing: 5 ft.



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

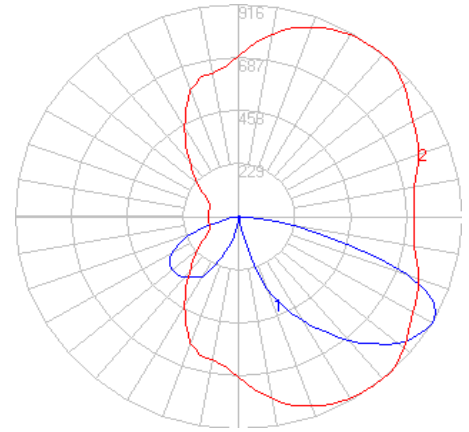
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BEGA

File: 84138K3_BEGA_IES.ies

TEST: BE_84138K4
TEST LAB: BEGA
DATE: 06/22/2018
LUMINAIRE: 84 138K3
LAMP: 19.5W LED



Characteristics

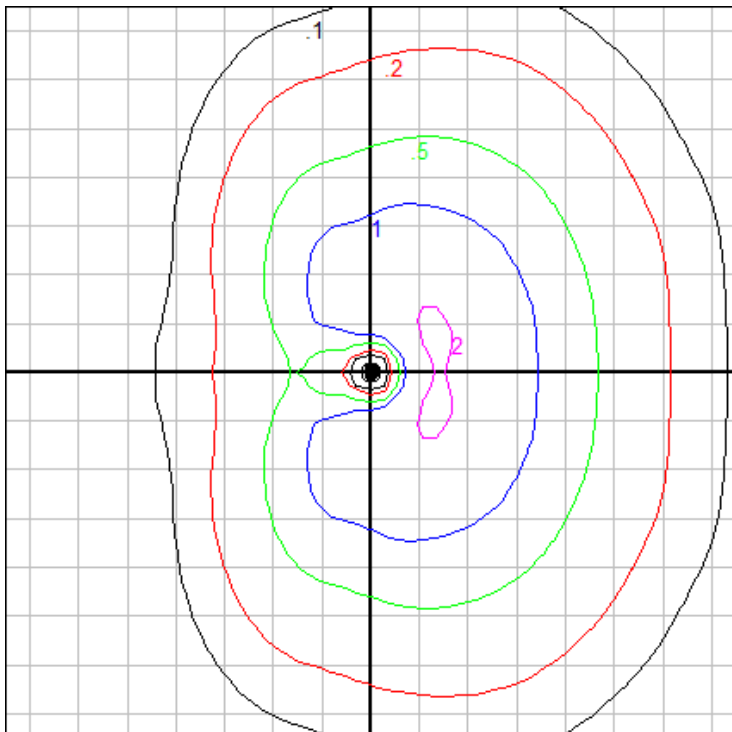
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2292
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	915.527 (310H, 60V)
Max. Cd. (<90 Vert.)	915.527 (310H, 60V)
Max. Cd. (At 90 Deg. Vert.)	6.61 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	253.984 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

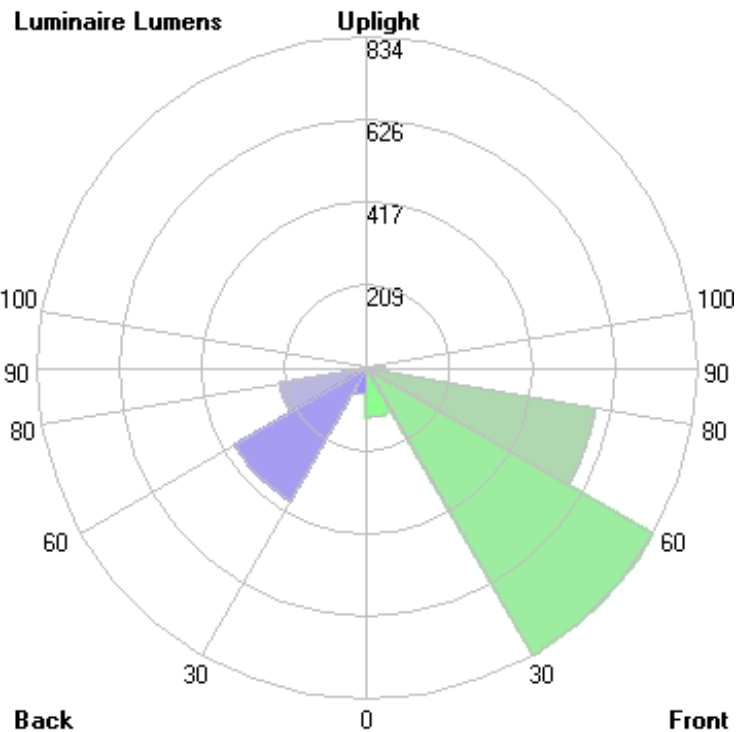
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	125.0	N.A.	5.5
FM (30-60)	834.3	N.A.	36.4
FH (60-80)	586.8	N.A.	25.6
FVH(80-90)	45.2	N.A.	2.0
BL (0-30)	66.5	N.A.	2.9
BM (30-60)	385.9	N.A.	16.8
BH (60-80)	222.5	N.A.	9.7
BVH(80-90)	18.8	N.A.	0.8
UL (90-100)	3.5	N.A.	0.2
UH (100-180)	3.6	N.A.	0.2
Total	2292.1	N.A.	100.0

BUG Rating B1-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information



Grid Spacing: 5 ft.



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

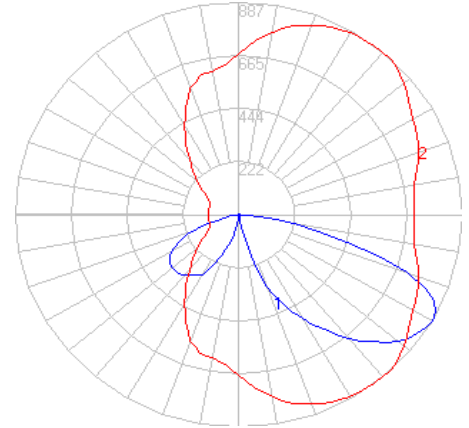
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BEGA

File: 84138K27_BEGA_IES.ies

TEST: BE_84138K4
TEST LAB: BEGA
DATE: 06/22/2018
LUMINAIRE: 84 138K27
LAMP: 19.5W LED



Characteristics

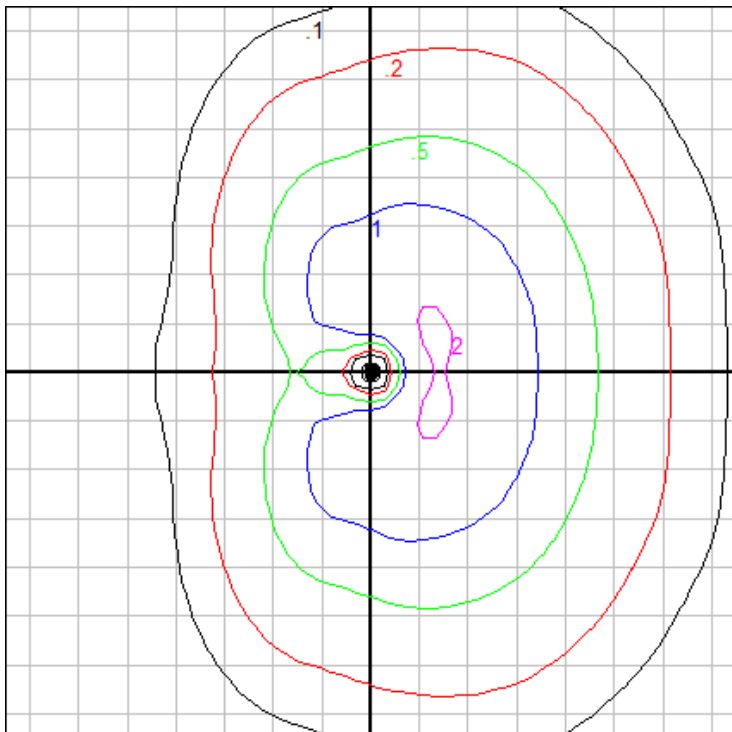
IES Classification	Type IV
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2221
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	887.27 (310H, 60V)
Max. Cd. (<90 Vert.)	887.27 (310H, 60V)
Max. Cd. (At 90 Deg. Vert.)	6.406 (0.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	246.145 (11.1%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

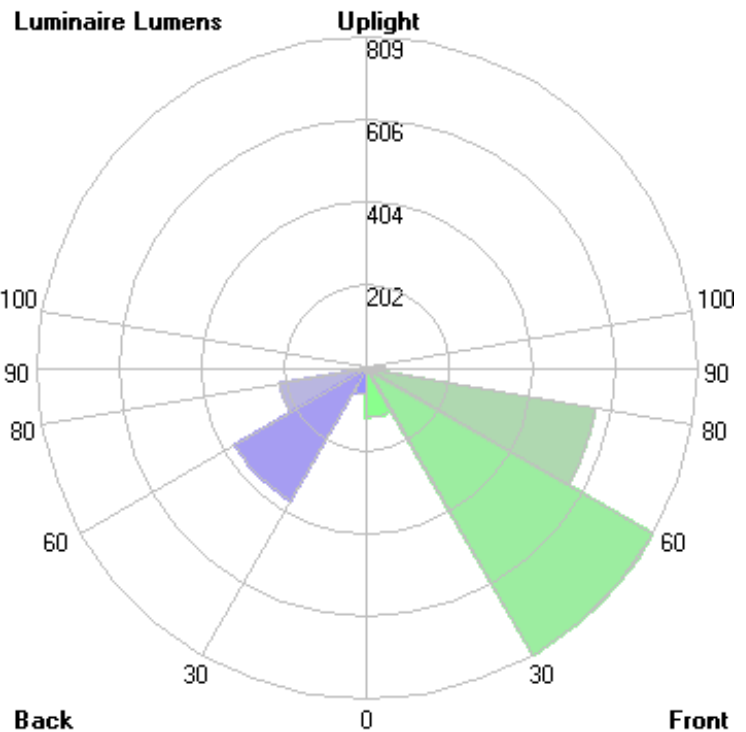
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	121.2	N.A.	5.5
FM (30-60)	808.5	N.A.	36.4
FH (60-80)	568.7	N.A.	25.6
FVH(80-90)	43.8	N.A.	2.0
BL (0-30)	64.4	N.A.	2.9
BM (30-60)	374.0	N.A.	16.8
BH (60-80)	215.6	N.A.	9.7
BVH(80-90)	18.2	N.A.	0.8
UL (90-100)	3.4	N.A.	0.2
UH (100-180)	3.5	N.A.	0.2
Total	2221.3	N.A.	100.0

BUG Rating B1-U0*-G1

*Fixture has measured rating of U1 due to testing above 90 degrees and stray light from reflection off of the fixture body. Upon visual inspection of luminaire, it has a flat lens and opaque sides, there is no significant uplift (<0.5%), and it has therefore been assigned a value of U0. Consult factory for more information



Grid Spacing: 5 ft.



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