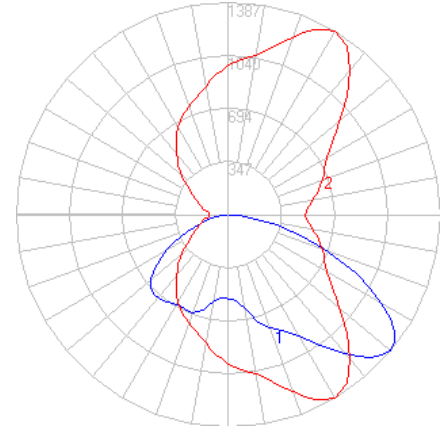


BEGA

File: 84105K4_BEGA_IES.ies

TEST: BE_84105K4
TEST LAB: BEGA
DATE: 04/25/2019
LUMINAIRE: 84 105K4
LAMP: 19.4W LED



Characteristics

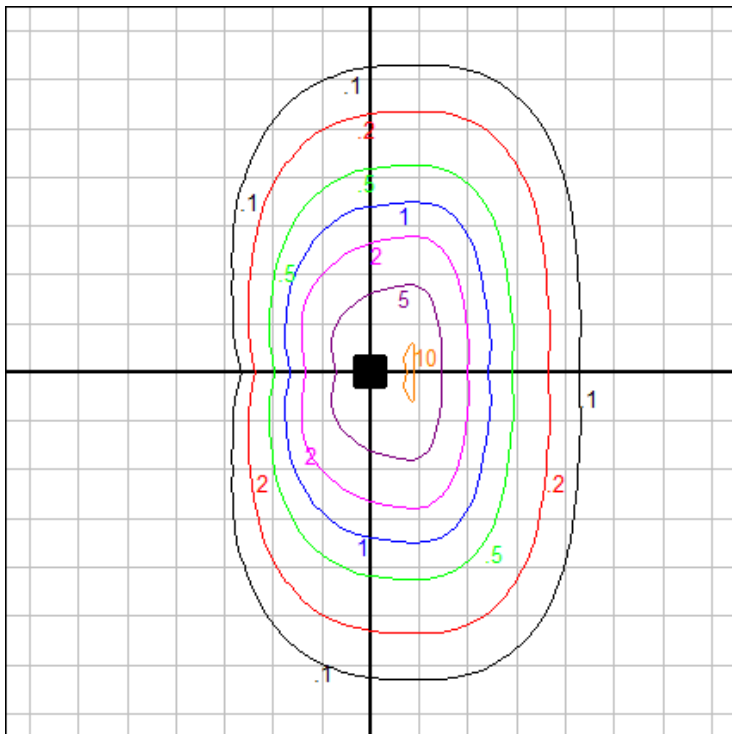
IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2928
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1387.2 (300H, 50V)
Max. Cd. (<90 Vert.)	1387.2 (300H, 50V)
Max. Cd. (At 90 Deg. Vert.)	.6 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	251.5 (8.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

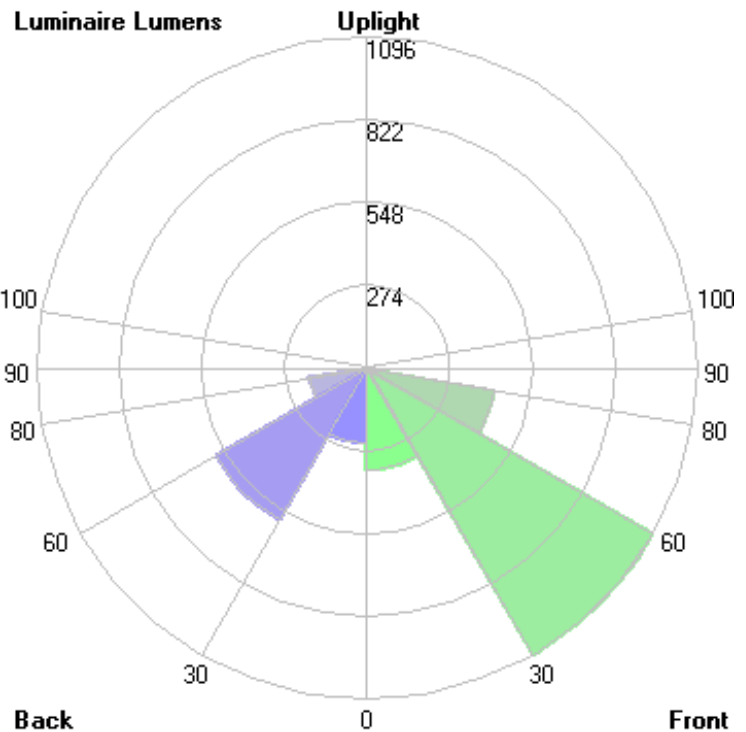
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	338.6	N.A.	11.6
FM (30-60)	1095.9	N.A.	37.4
FH (60-80)	429.5	N.A.	14.7
FVH (80-90)	28.4	N.A.	1.0
BL (0-30)	249.0	N.A.	8.5
BM (30-60)	580.4	N.A.	19.8
BH (60-80)	194.0	N.A.	6.6
BVH (80-90)	12.7	N.A.	0.4
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2928.5	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 uplight (<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.

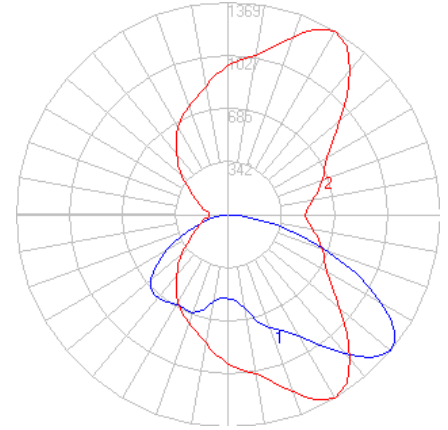
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BEGA

File: 84105K35_BEGA_IES.ies

TEST: BE_84105K4
TEST LAB: BEGA
DATE: 04/03/2018
LUMINAIRE: 84 105K35
LAMP: 19.4W LED



Characteristics

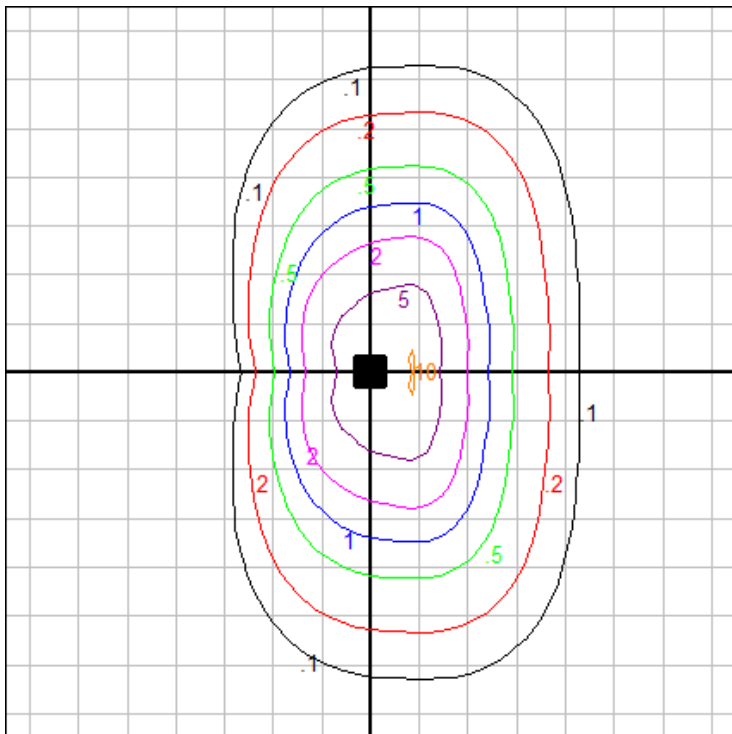
IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2890
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1369.166 (300H, 50V)
Max. Cd. (<90 Vert.)	1369.166 (300H, 50V)
Max. Cd. (At 90 Deg. Vert.)	.592 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	248.23 (8.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

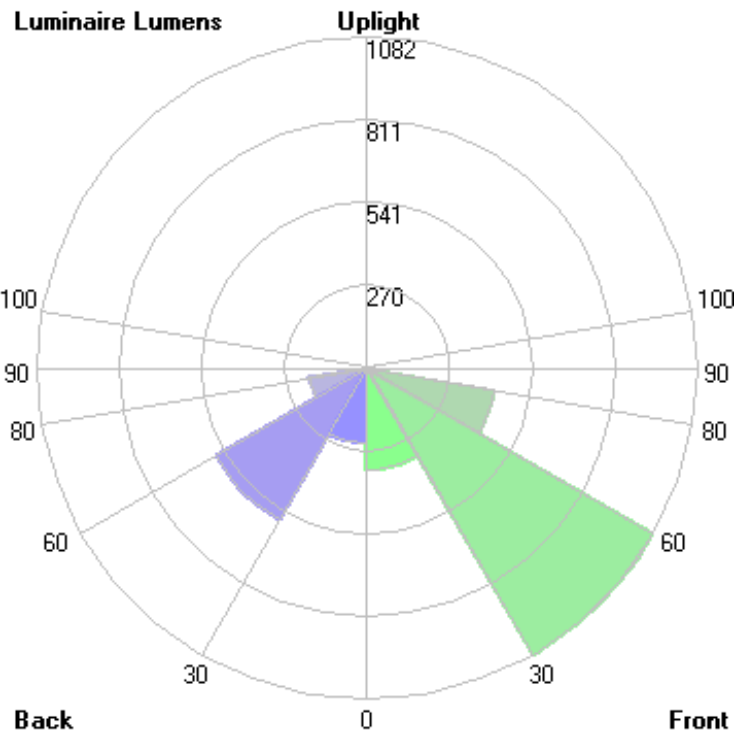
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	334.2	N.A.	11.6
FM (30-60)	1081.6	N.A.	37.4
FH (60-80)	423.9	N.A.	14.7
FVH (80-90)	28.0	N.A.	1.0
BL (0-30)	245.8	N.A.	8.5
BM (30-60)	572.8	N.A.	19.8
BH (60-80)	191.4	N.A.	6.6
BVH (80-90)	12.6	N.A.	0.4
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2890.3	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 uplight (<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.

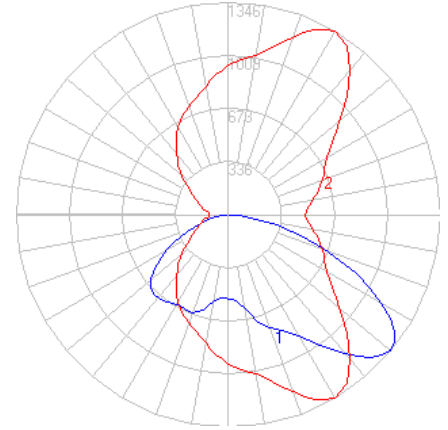
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BEGA

File: 84105K3_BEGA_IES.ies

TEST: BE_84105K4
TEST LAB: BEGA
DATE: 04/03/2018
LUMINAIRE: 84 105K3
LAMP: 19.4W LED



Characteristics

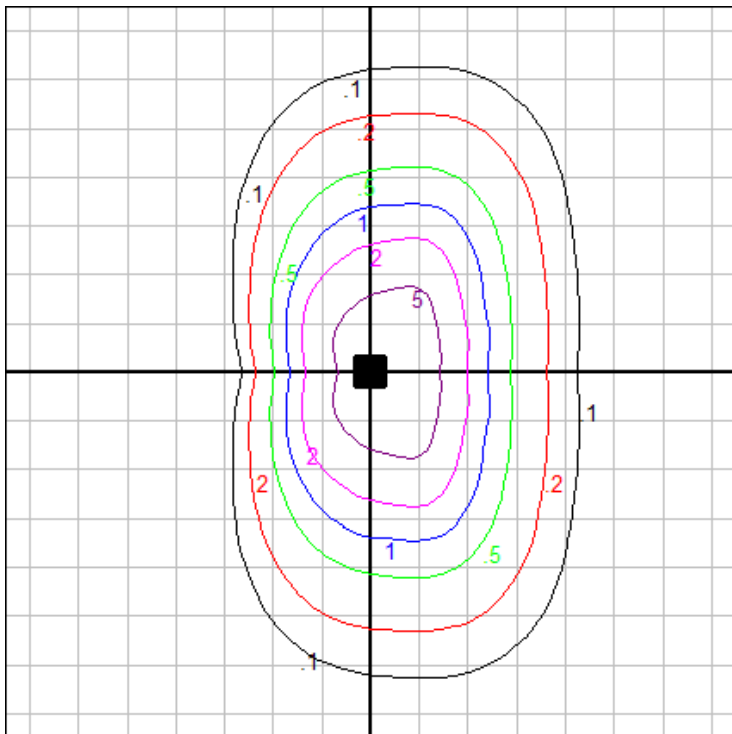
IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2841
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	118
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1345.584 (300H, 50V)
Max. Cd. (<90 Vert.)	1345.584 (300H, 50V)
Max. Cd. (At 90 Deg. Vert.)	.582 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	243.955 (8.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

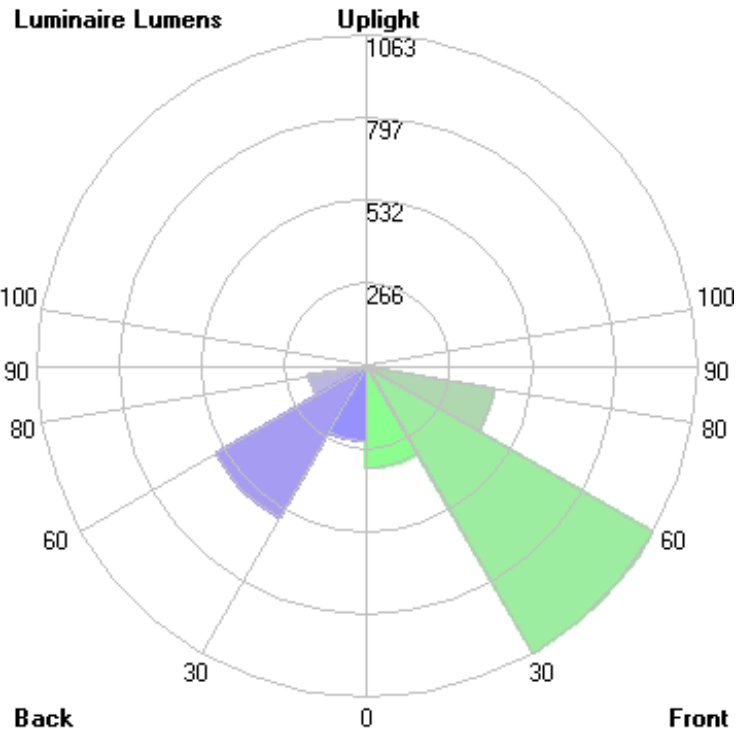
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	328.4	N.A.	11.6
FM (30-60)	1063.0	N.A.	37.4
FH (60-80)	416.6	N.A.	14.7
FVH (80-90)	27.5	N.A.	1.0
BL (0-30)	241.5	N.A.	8.5
BM (30-60)	563.0	N.A.	19.8
BH (60-80)	188.2	N.A.	6.6
BVH (80-90)	12.3	N.A.	0.4
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2840.5	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.

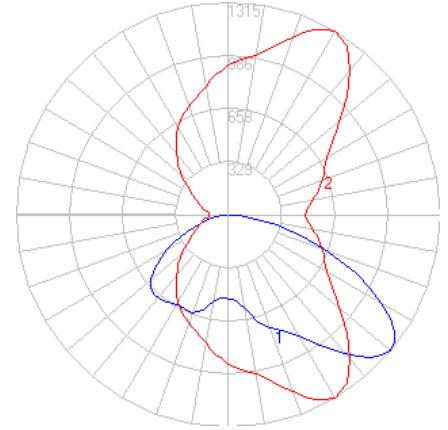
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BEGA

File: 84105K27_BEGA_IES.ies

TEST: BE_84105K4
TEST LAB: BEGA
DATE: 04/03/2018
LUMINAIRE: 84 105K27
LAMP: 19.4W LED



Characteristics

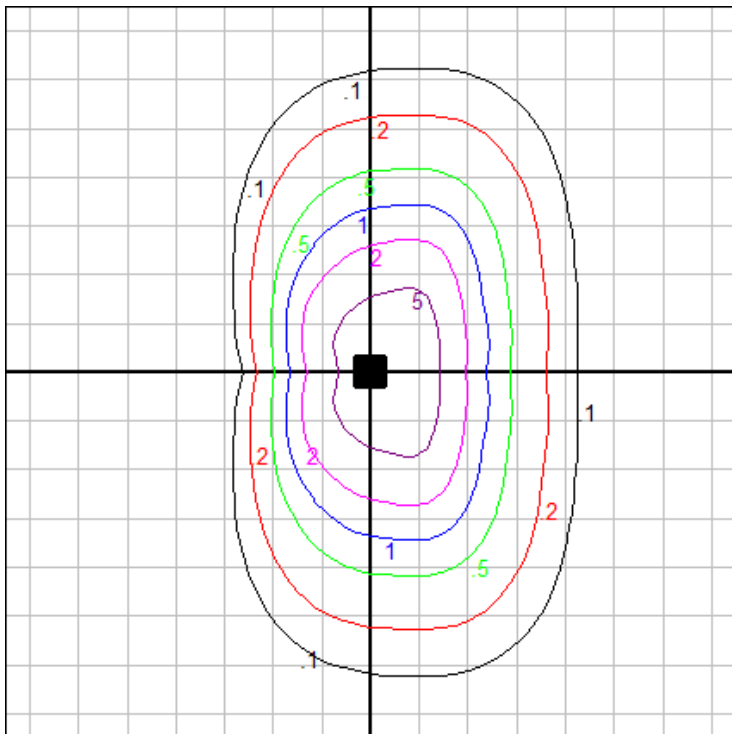
IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2776
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	116
Total Luminaire Watts	24
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1315.066 (300H, 50V)
Max. Cd. (<90 Vert.)	1315.066 (300H, 50V)
Max. Cd. (At 90 Deg. Vert.)	.569 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	238.422 (8.6%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

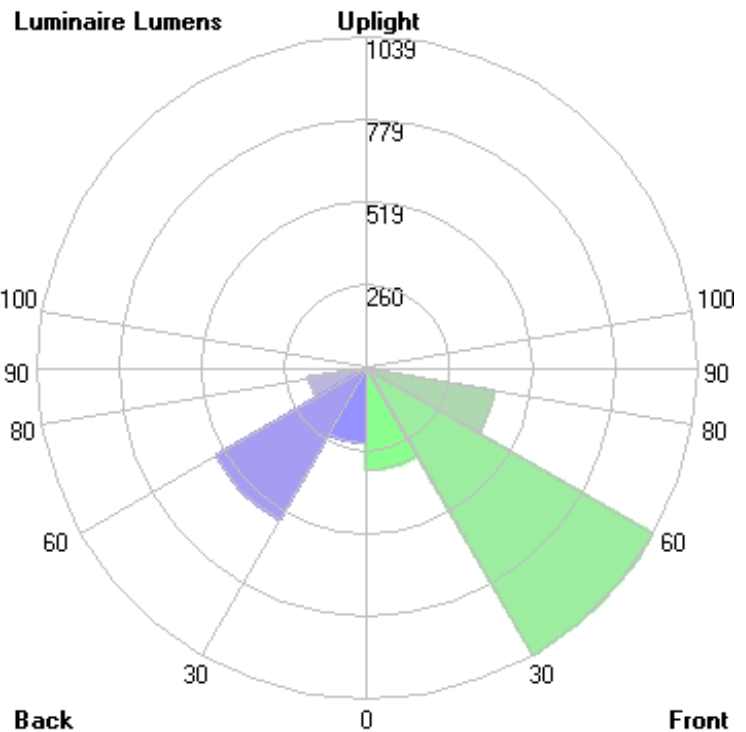
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	321.0	N.A.	11.6
FM (30-60)	1038.9	N.A.	37.4
FH (60-80)	407.2	N.A.	14.7
FVH (80-90)	26.9	N.A.	1.0
BL (0-30)	236.1	N.A.	8.5
BM (30-60)	550.2	N.A.	19.8
BH (60-80)	183.9	N.A.	6.6
BVH (80-90)	12.1	N.A.	0.4
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	2776.3	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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