

BEGA

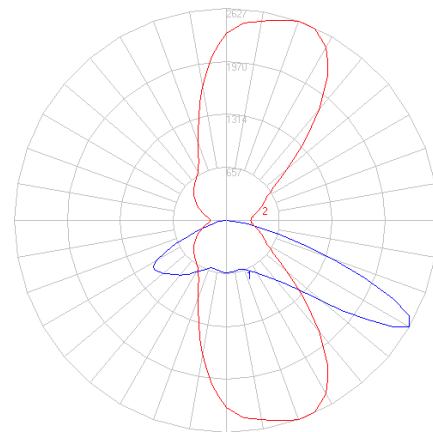
File: 84243K4_BEGA_IES.ies

TEST: BEGA_77930K4
TEST LAB: BEGA
DATE: 8/26/2019
LUMINAIRE: 84 243K4
LAMP: 47.2W LED

*Report based on a single IES file, see below for twin head iso-footcandle template

Characteristics

IIES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3670
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	122
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2627.3 (290H, 60V)
Max. Cd. (<90 Vert.)	2627.3 (290H, 60V)
Max. Cd. (At 90 Deg. Vert.)	.7 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	289.2 (7.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

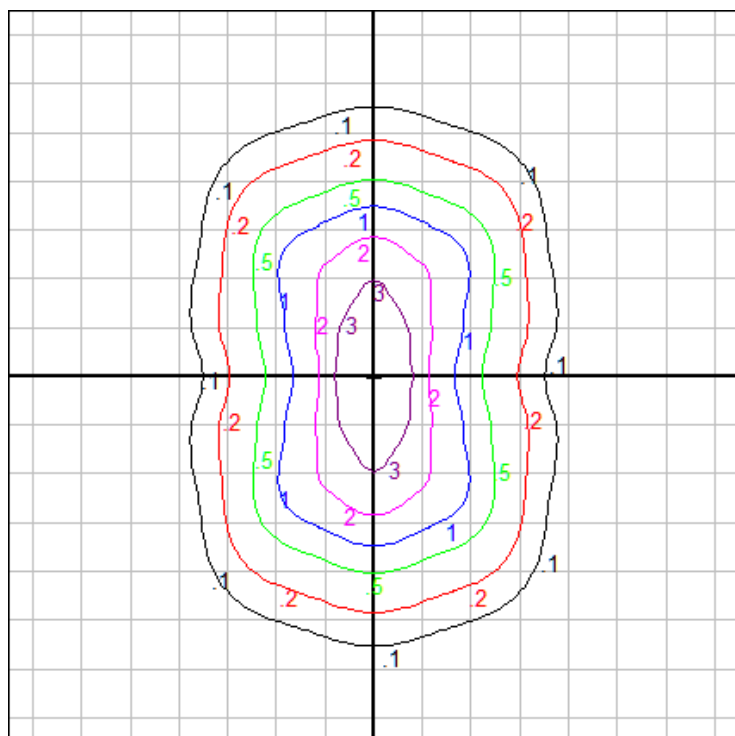


Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	265.6	N.A.	7.2
FM (30-60)	1123.9	N.A.	30.6
FH (60-80)	819.4	N.A.	22.3
FVH(80-90)	26.1	N.A.	0.7
BL (0-30)	257.5	N.A.	7.0
BM (30-60)	807.7	N.A.	22.0
BH (60-80)	356.5	N.A.	9.7
BVH(80-90)	12.8	N.A.	0.3
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	3669.5	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.

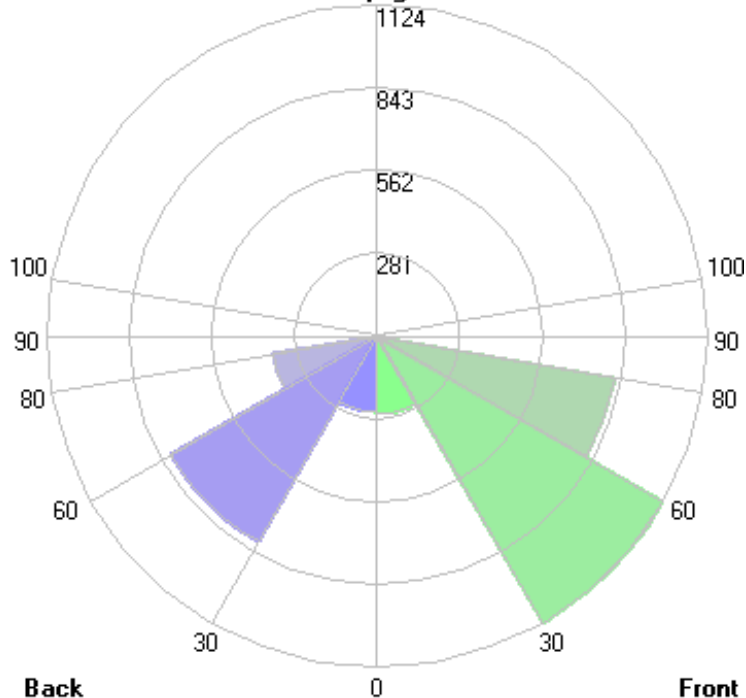


Mounting Height: 16 ft.

Grid Spacing: 10 ft.

Luminaire Lumens

Uplight



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

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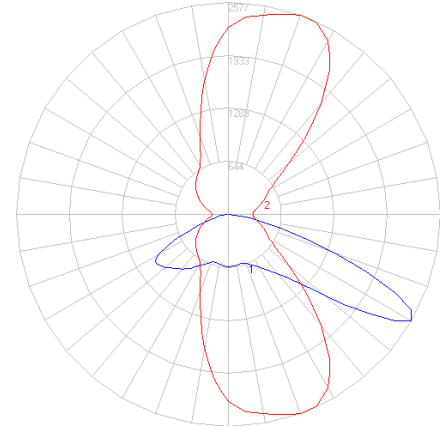
File: 84243K35_BEGA_IES.ies

TEST: BEGA_77930K4
TEST LAB: BEGA
DATE: 8/26/2019
LUMINAIRE: 84 243K35
LAMP: 47.2W LED

*Report based on a single IES file, see below for twin head iso-footcandle template

Characteristics

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3600
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	120
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2577.381 (290H, 60V)
Max. Cd. (<90 Vert.)	2577.381 (290H, 60V)
Max. Cd. (At 90 Deg. Vert.)	.687 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	283.705 (7.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

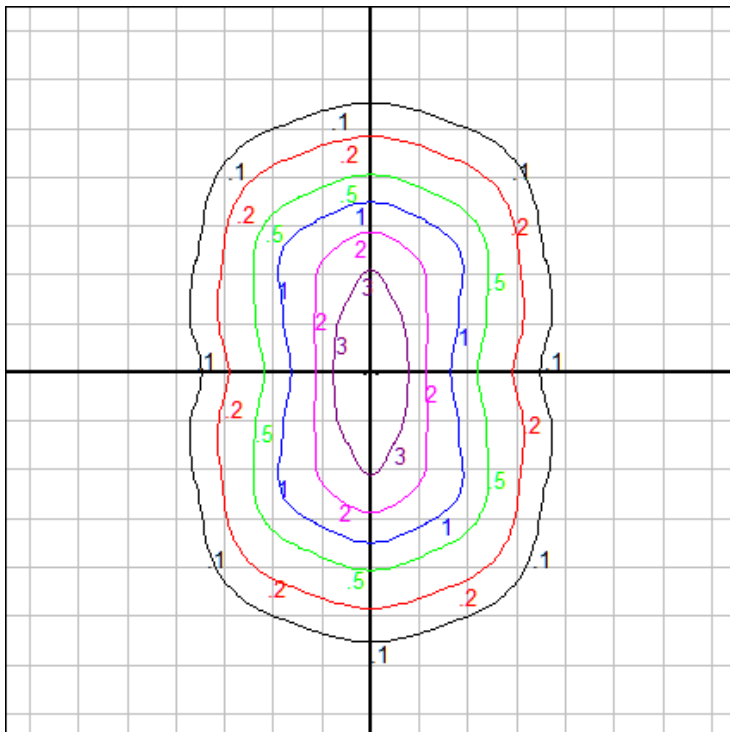


Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	260.6	N.A.	7.2
FM (30-60)	1102.5	N.A.	30.6
FH (60-80)	803.8	N.A.	22.3
FVH(80-90)	25.6	N.A.	0.7
BL (0-30)	252.6	N.A.	7.0
BM (30-60)	792.3	N.A.	22.0
BH (60-80)	349.8	N.A.	9.7
BVH(80-90)	12.6	N.A.	0.3
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	3599.8	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.

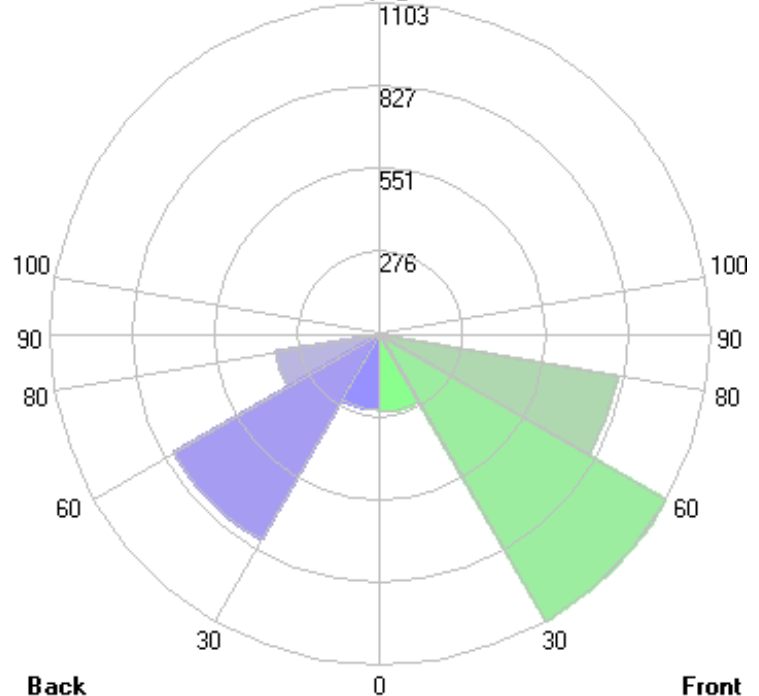


Mounting Height: 16 ft.

Grid Spacing: 10 ft.

Luminaire Lumens

Uplight



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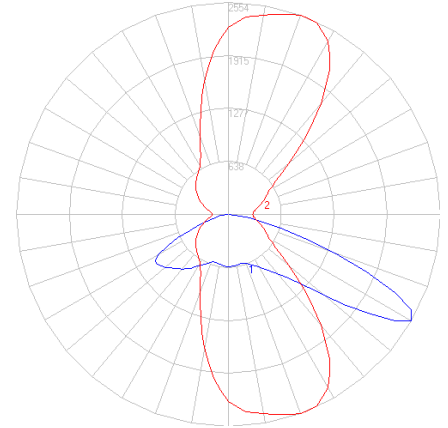
File: 84243K3_BEGA_IES.ies

TEST: BEGA_77930K4
TEST LAB: BEGA
DATE: 8/26/2019
LUMINAIRE: 84 243K3
LAMP: 47.2W LED

*Report based on a single IES file, see below for twin head iso-footcandle template

Characteristics

IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3567
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	119
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2553.736 (290H, 60V)
Max. Cd. (<90 Vert.)	2553.736 (290H, 60V)
Max. Cd. (At 90 Deg. Vert.)	.68 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	281.102 (7.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

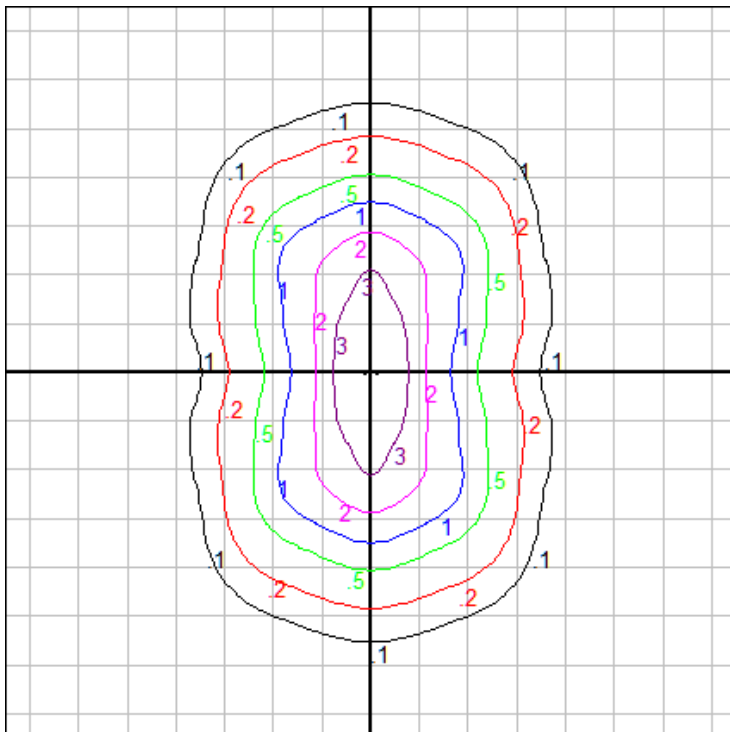


Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	258.2	N.A.	7.2
FM (30-60)	1092.4	N.A.	30.6
FH (60-80)	796.5	N.A.	22.3
FVH(80-90)	25.4	N.A.	0.7
BL (0-30)	250.3	N.A.	7.0
BM (30-60)	785.1	N.A.	22.0
BH (60-80)	346.5	N.A.	9.7
BVH(80-90)	12.5	N.A.	0.3
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	3566.9	N.A.	100.0

BUG Rating B1-U0*-G1

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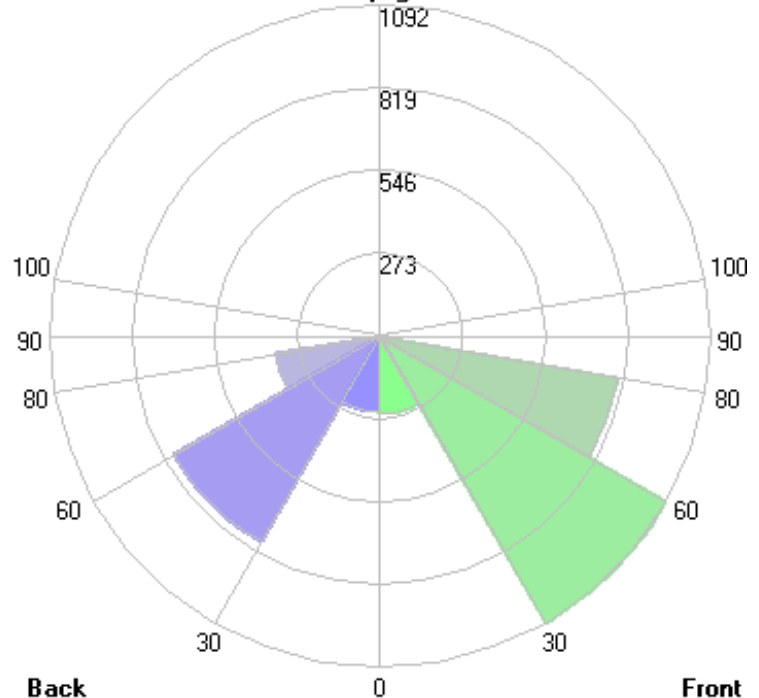


Mounting Height: 16 ft.

Grid Spacing: 10 ft.

Luminaire Lumens

Uplight



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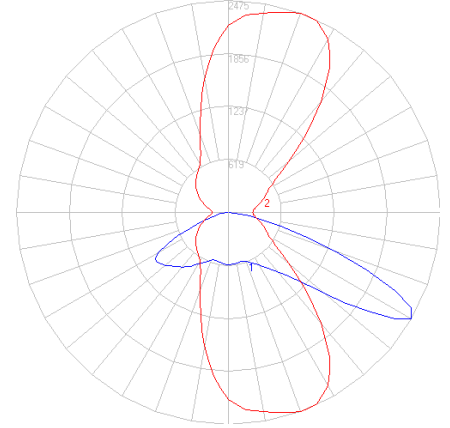
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File: 84243K27_BEGA_IES.ies

TEST: BEGA_77930K4
TEST LAB: BEGA
DATE: 8/26/2019
LUMINAIRE: 84 243K27
LAMP: 47.2W LED

*Report based on a single IES file, see below for twin head iso-footcandle template



Characteristics

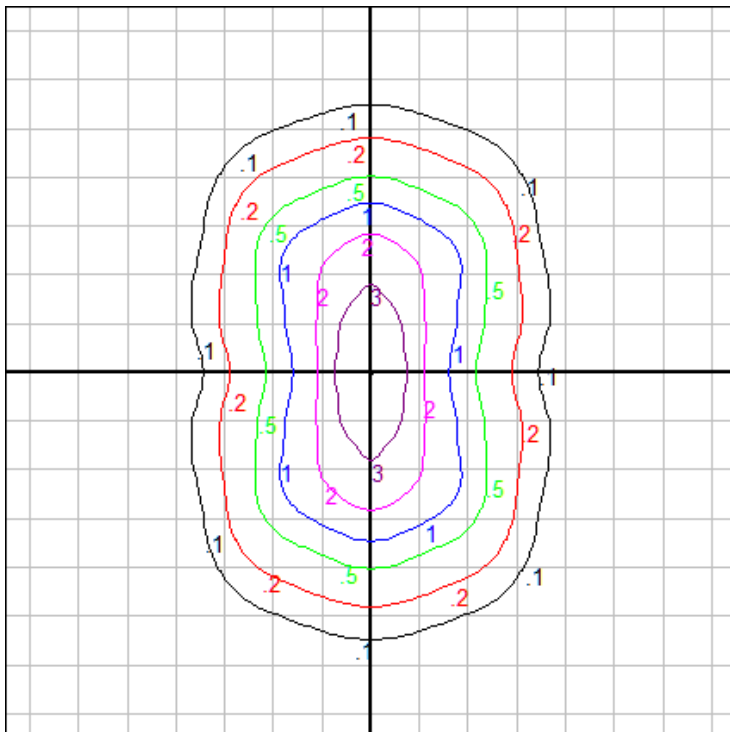
IES Classification	Type II
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3457
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	115
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2474.917 (290H, 60V)
Max. Cd. (<90 Vert.)	2474.917 (290H, 60V)
Max. Cd. (At 90 Deg. Vert.)	.659 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	272.426 (7.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	250.2	N.A.	7.2
FM (30-60)	1058.7	N.A.	30.6
FH (60-80)	771.9	N.A.	22.3
FVH(80-90)	24.6	N.A.	0.7
BL (0-30)	242.5	N.A.	7.0
BM (30-60)	760.8	N.A.	22.0
BH (60-80)	335.9	N.A.	9.7
BVH(80-90)	12.1	N.A.	0.3
UL (90-100)	< 0.05	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	3456.7	N.A.	100.0

BUG Rating B1-U0*-G1

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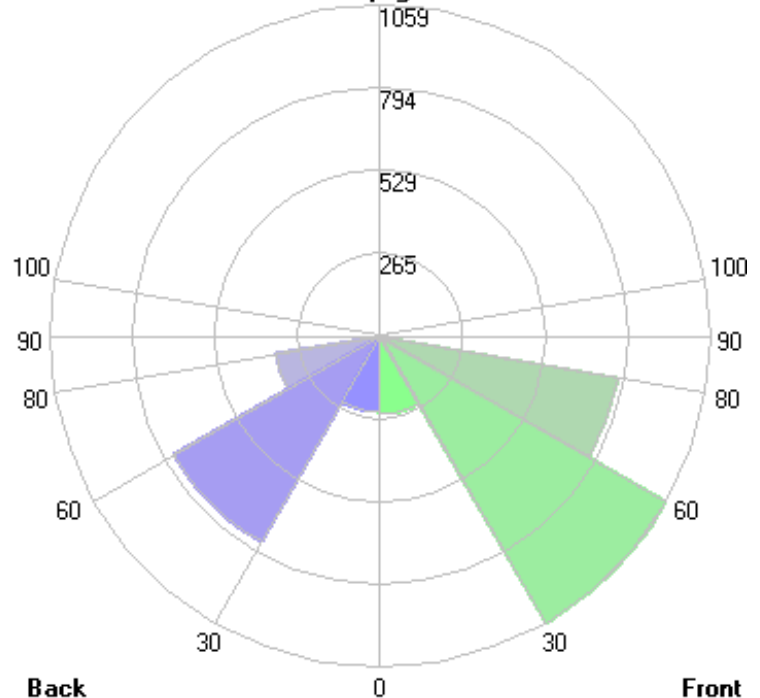


Mounting Height: 16 ft.

Grid Spacing: 10 ft.

Luminaire Lumens

Uplight



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