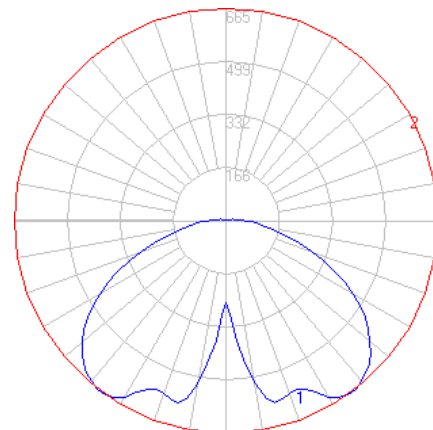
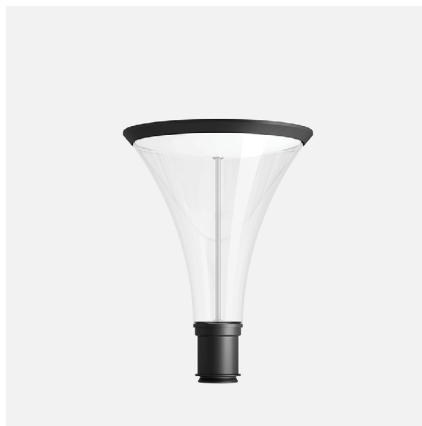


BEGA

File: 84735K4_BEGA_IES.ies

TEST: BE_84735K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 735K4
LAMP: 23.2W LED



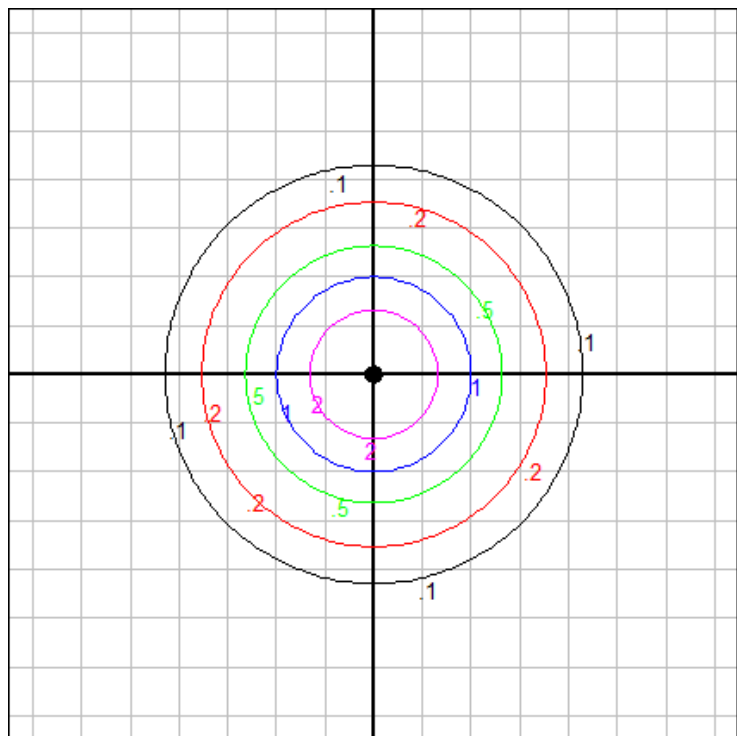
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2611
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.03
Max. Cd.	664.8 (0H, 35V)
Max. Cd. (<90 Vert.)	664.8 (0H, 35V)
Max. Cd. (At 90 Deg. Vert.)	59.2 (2.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	135.1 (5.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

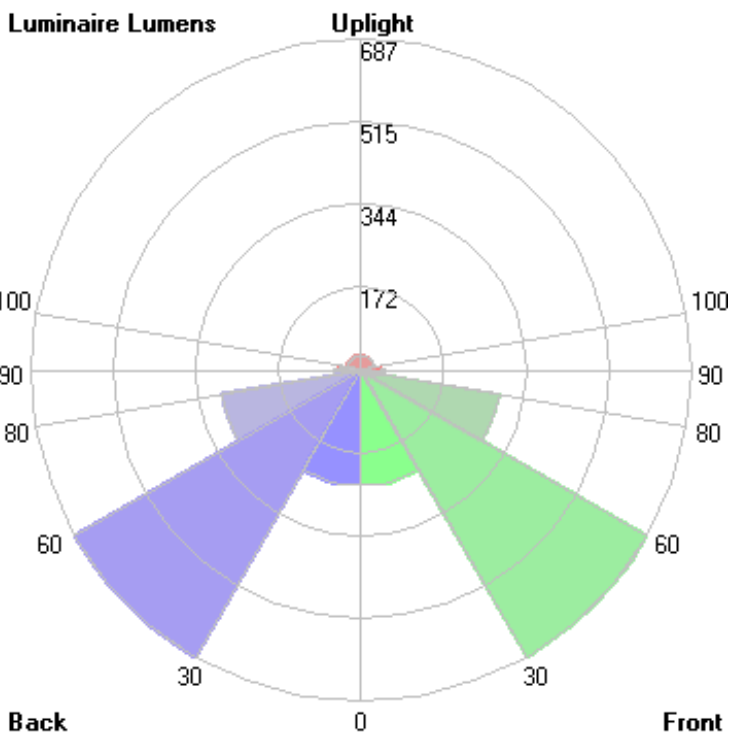
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	239.4	N.A.	9.2
FM (30-60)	687.1	N.A.	26.3
FH (60-80)	292.0	N.A.	11.2
FVH (80-90)	50.9	N.A.	2.0
BL (0-30)	239.4	N.A.	9.2
BM (30-60)	687.1	N.A.	26.3
BH (60-80)	292.0	N.A.	11.2
BVH (80-90)	50.9	N.A.	2.0
UL (90-100)	42.8	N.A.	1.6
UH (100-180)	29.0	N.A.	1.1
Total	2610.6	N.A.	100.0

BUG Rating B1-U2-G1



Shown on pole 84709 (159-7/8" OAH) | Grid Spacing: 7.5 ft.



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

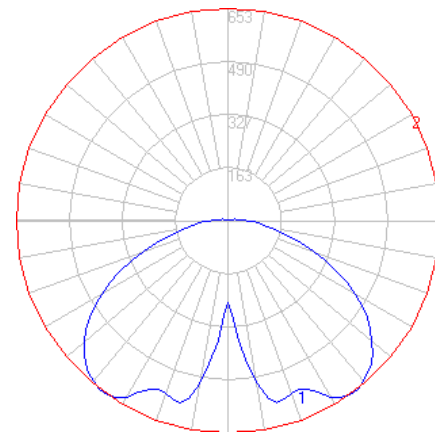
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BEGA

File: 84735K35_BEGA_IES.ies

TEST: BE_84735K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 735K35
LAMP: 23.2W LED



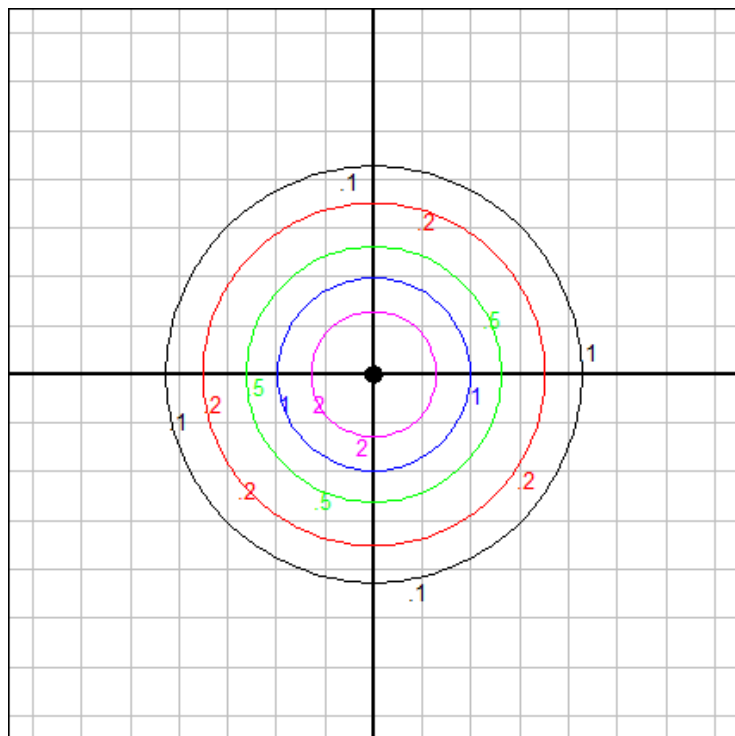
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2566
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	86
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.03
Max. Cd.	653.498 (0H, 35V)
Max. Cd. (<90 Vert.)	653.498 (0H, 35V)
Max. Cd. (At 90 Deg. Vert.)	58.194 (2.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	132.803 (5.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	235.3	N.A.	9.2
FM (30-60)	675.4	N.A.	26.3
FH (60-80)	287.1	N.A.	11.2
FVH (80-90)	50.1	N.A.	2.0
BL (0-30)	235.3	N.A.	9.2
BM (30-60)	675.4	N.A.	26.3
BH (60-80)	287.1	N.A.	11.2
BVH (80-90)	50.1	N.A.	2.0
UL (90-100)	42.1	N.A.	1.6
UH (100-180)	28.5	N.A.	1.1
Total	2566.4	N.A.	100.0

BUG Rating B1-U2-G1

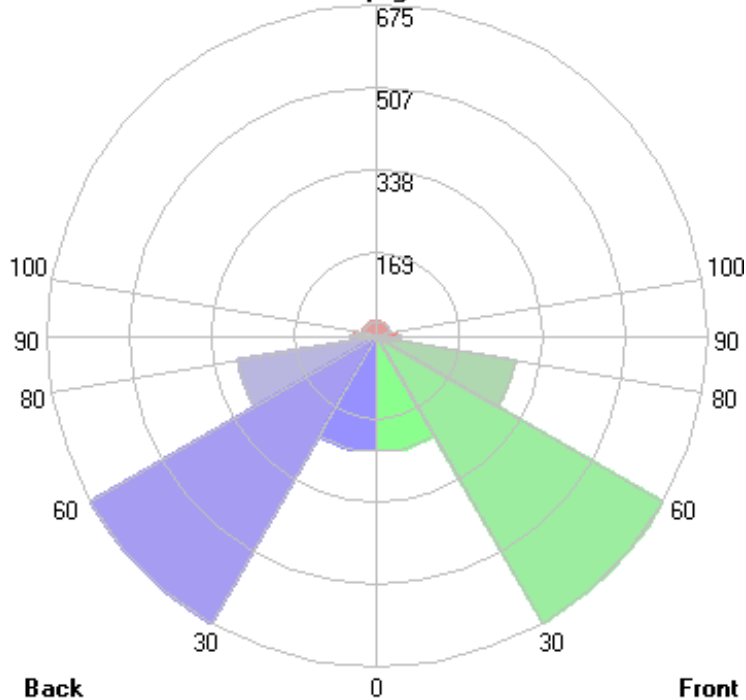


Shown on pole 84709 (159-7/8" OAH)

Grid Spacing: 7.5 ft.

Luminaire Lumens

Uplight



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

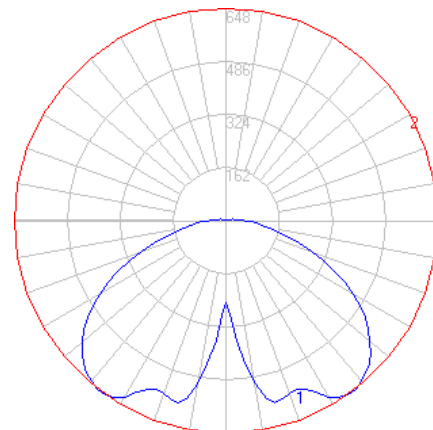
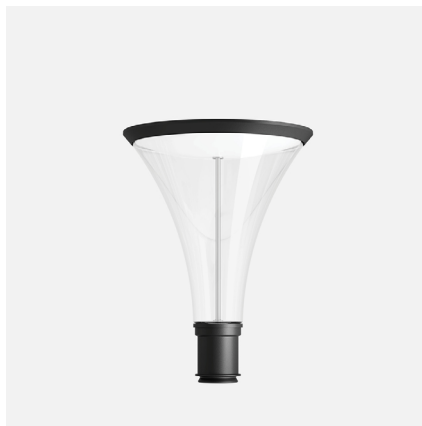
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BEGA

File: 84735K3_BEGA_IES.ies

TEST: BE_84735K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 735K3
LAMP: 23.2W LED



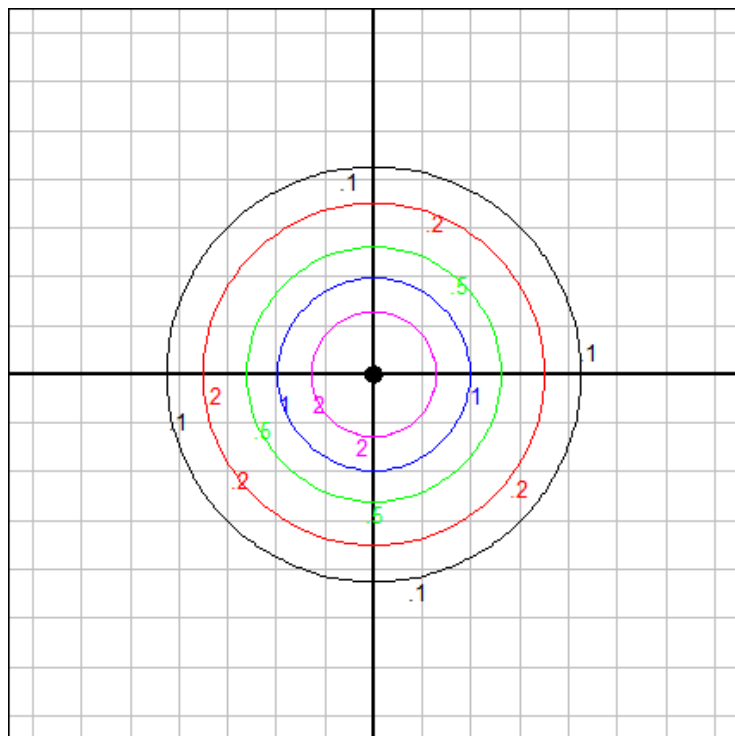
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2543
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	85
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.03
Max. Cd.	647.515 (0H, 35V)
Max. Cd. (<90 Vert.)	647.515 (0H, 35V)
Max. Cd. (At 90 Deg. Vert.)	57.661 (2.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	131.587 (5.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

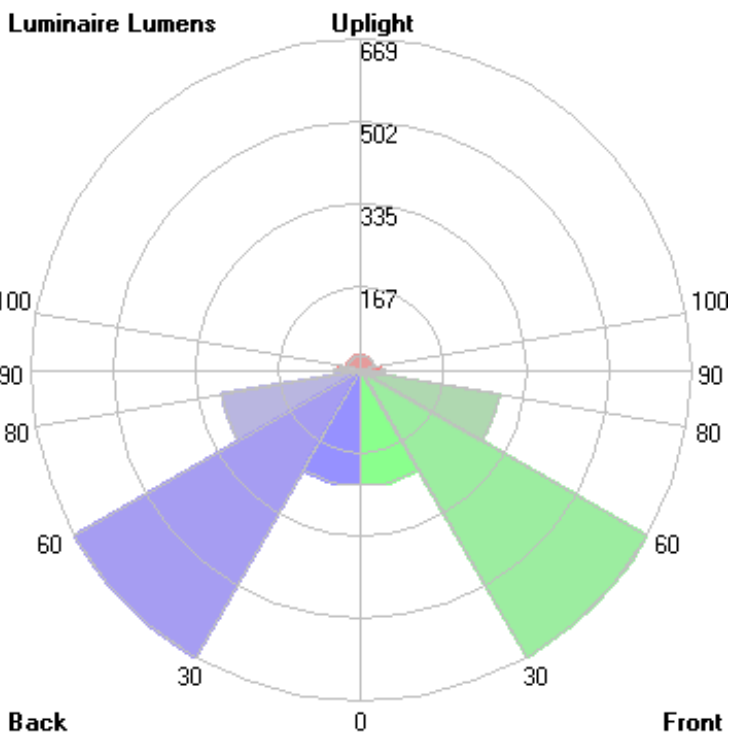
LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	233.2	N.A.	9.2
FM (30-60)	669.2	N.A.	26.3
FH (60-80)	284.4	N.A.	11.2
FVH (80-90)	49.6	N.A.	2.0
BL (0-30)	233.2	N.A.	9.2
BM (30-60)	669.2	N.A.	26.3
BH (60-80)	284.4	N.A.	11.2
BVH (80-90)	49.6	N.A.	2.0
UL (90-100)	41.7	N.A.	1.6
UH (100-180)	28.3	N.A.	1.1
Total	2542.8	N.A.	100.0

BUG Rating B1-U2-G1



Shown on pole 84709 (159-7/8" OAH)

Grid Spacing: 7.5 ft.



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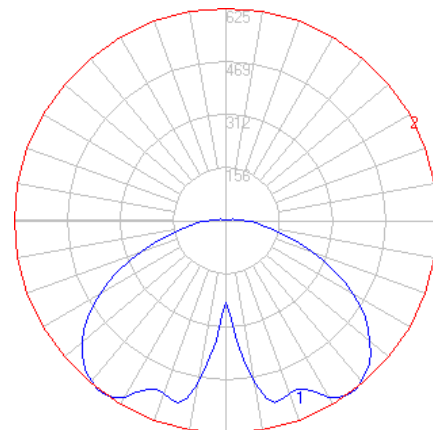
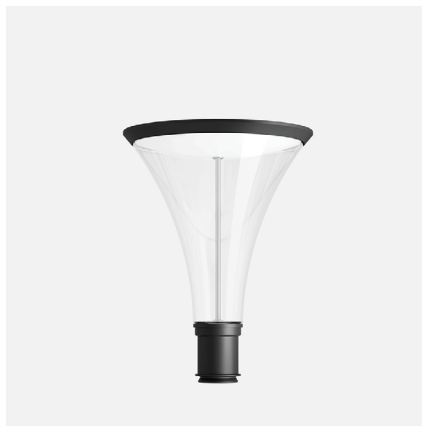
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BEGA

File: 84735K27_BEGA_IES.ies

TEST: BE_84735K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 735K27
LAMP: 23.2W LED



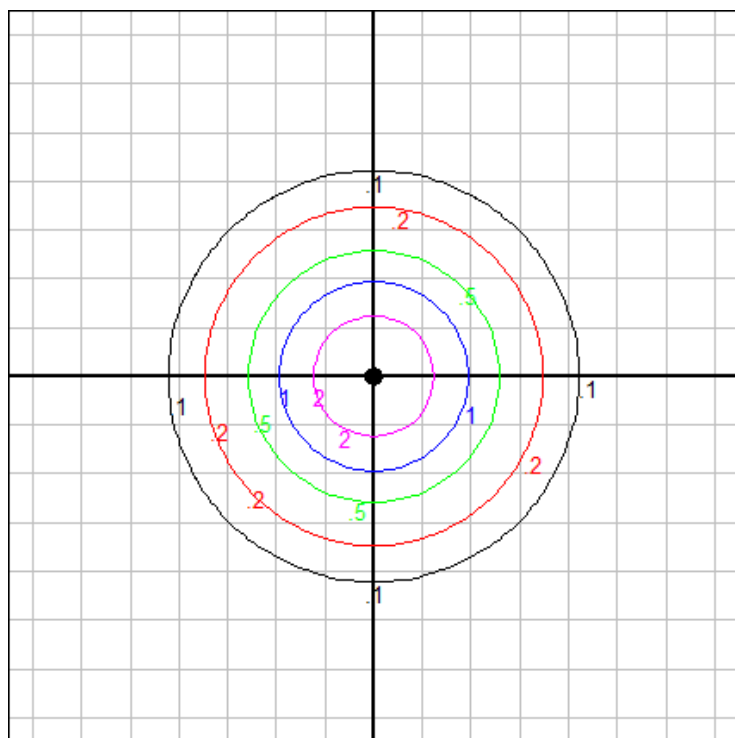
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2454
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	82
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.03
Max. Cd.	624.912 (0H, 35V)
Max. Cd. (<90 Vert.)	624.912 (0H, 35V)
Max. Cd. (At 90 Deg. Vert.)	55.648 (2.3%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	126.994 (5.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	225.0	N.A.	9.2
FM (30-60)	645.9	N.A.	26.3
FH (60-80)	274.5	N.A.	11.2
FVH (80-90)	47.9	N.A.	2.0
BL (0-30)	225.0	N.A.	9.2
BM (30-60)	645.9	N.A.	26.3
BH (60-80)	274.5	N.A.	11.2
BVH (80-90)	47.9	N.A.	2.0
UL (90-100)	40.2	N.A.	1.6
UH (100-180)	27.3	N.A.	1.1
Total	2454.1	N.A.	100.0

BUG Rating B1-U2-G1

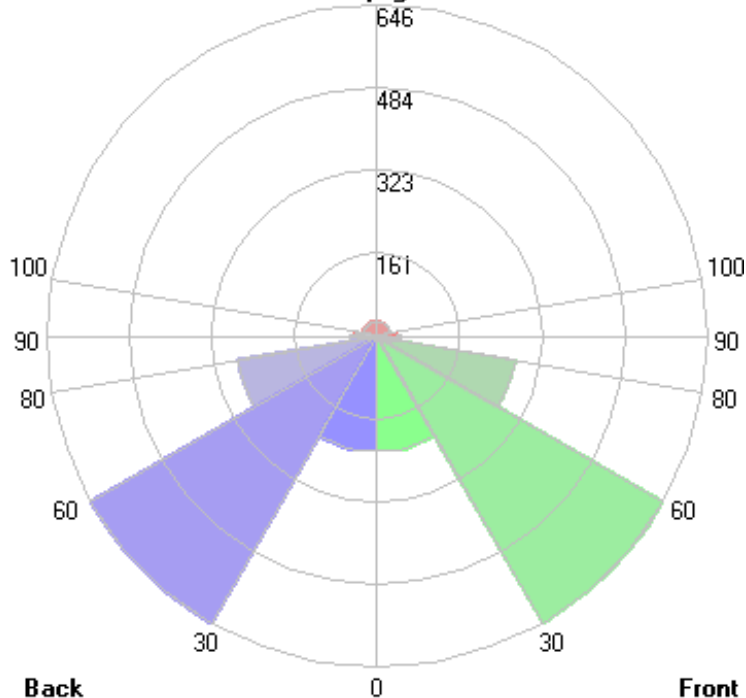


Shown on pole 84709 (159-7/8" OAH)

Grid Spacing: 7.5 ft.

Luminaire Lumens

Uplight



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