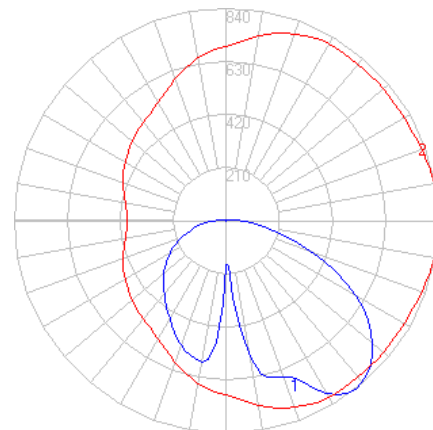
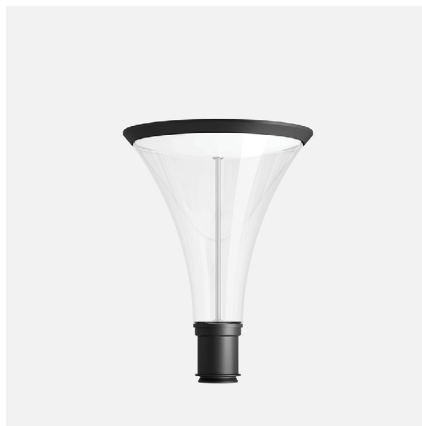


BEGA

File: 84736K4_BEGA_IES.ies

TEST: BE_84736K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 736K4
LAMP: 23.2W LED



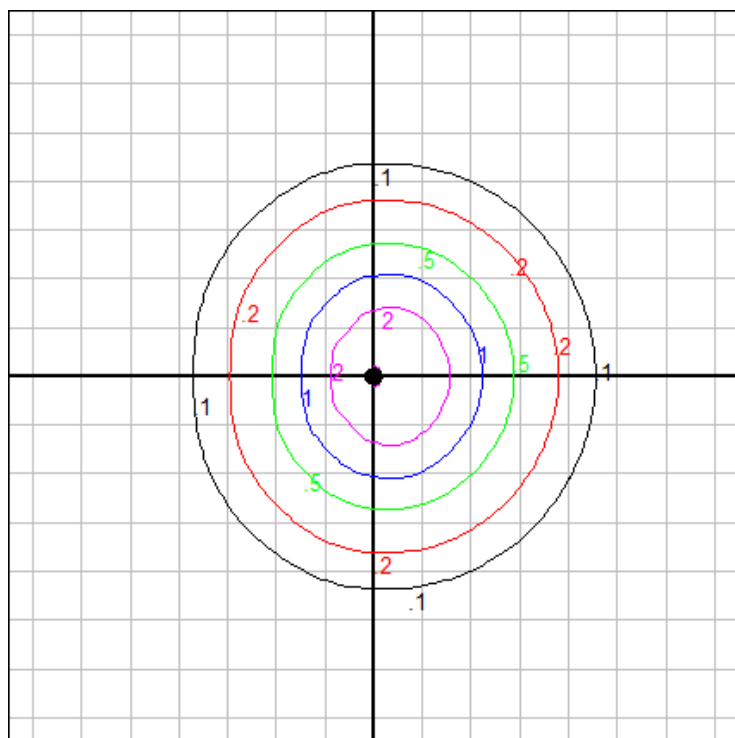
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2591
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.	840.2 (355H, 37.5V)
Max. Cd. (<90 Vert.)	840.2 (355H, 37.5V)
Max. Cd. (At 90 Deg. Vert.)	71.4 (2.8%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	152.1 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	237.1	N.A.	9.2
FM (30-60)	837.6	N.A.	32.3
FH (60-80)	346.5	N.A.	13.4
FVH (80-90)	55.9	N.A.	2.2
BL (0-30)	223.3	N.A.	8.6
BM (30-60)	531.1	N.A.	20.5
BH (60-80)	241.9	N.A.	9.3
BVH (80-90)	46.4	N.A.	1.8
UL (90-100)	42.0	N.A.	1.6
UH (100-180)	28.6	N.A.	1.1
Total	2590.4	N.A.	100.0

BUG Rating B1-U2-G1

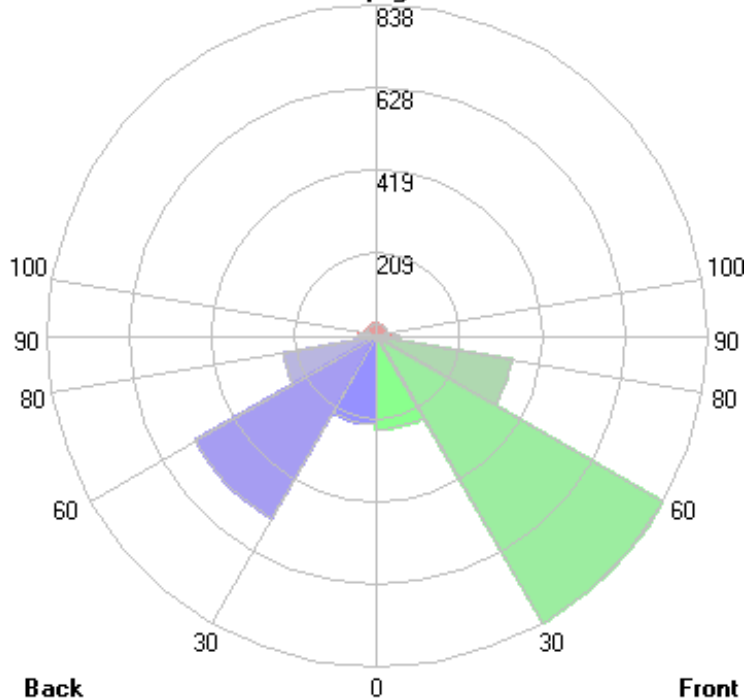


Shown on pole 84709 (159-7/8" OAH)

Grid Spacing: 7.5 ft.

Luminaire Lumens

Uplight



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

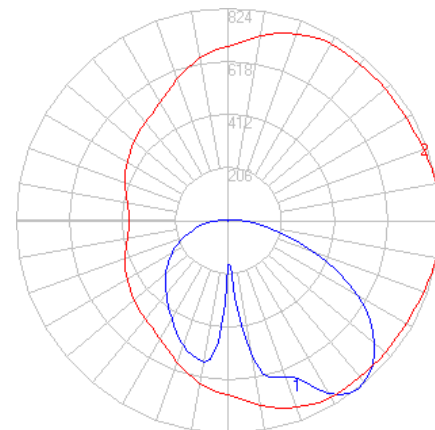
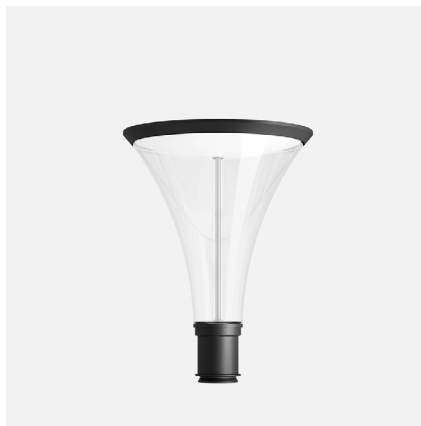
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BEGA

File: 84736K35_BEGA_IES.ies

TEST: BE_84736K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 736K35
LAMP: 23.2W LED



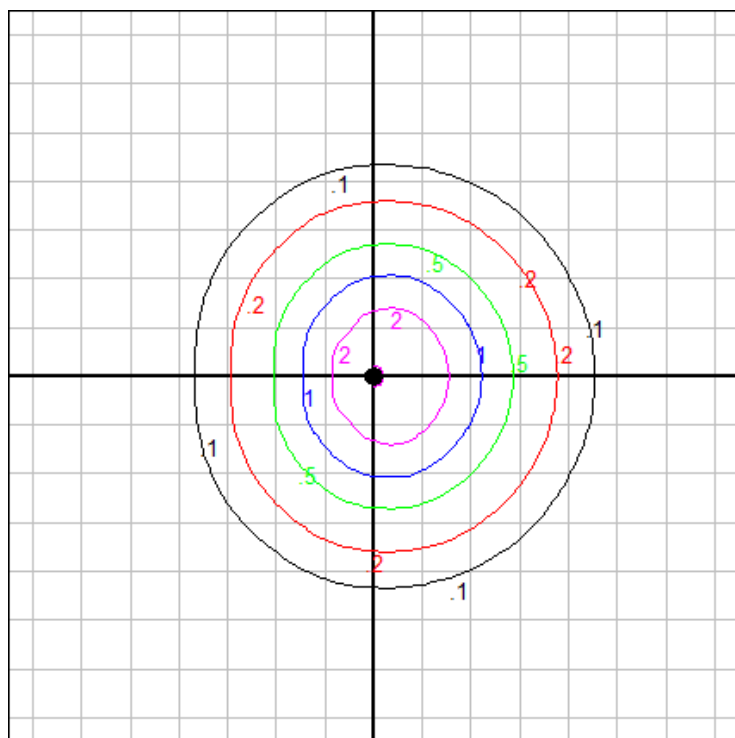
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2541
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.	824.236 (355H, 37.5V)
Max. Cd. (<90 Vert.)	824.236 (355H, 37.5V)
Max. Cd. (At 90 Deg. Vert.)	70.043 (2.8%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	149.21 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	232.6	N.A.	9.2
FM (30-60)	821.7	N.A.	32.3
FH (60-80)	339.9	N.A.	13.4
FVH (80-90)	54.9	N.A.	2.2
BL (0-30)	219.1	N.A.	8.6
BM (30-60)	521.0	N.A.	20.5
BH (60-80)	237.3	N.A.	9.3
BVH (80-90)	45.5	N.A.	1.8
UL (90-100)	41.2	N.A.	1.6
UH (100-180)	28.1	N.A.	1.1
Total	2541.3	N.A.	100.0

BUG Rating B1-U2-G1

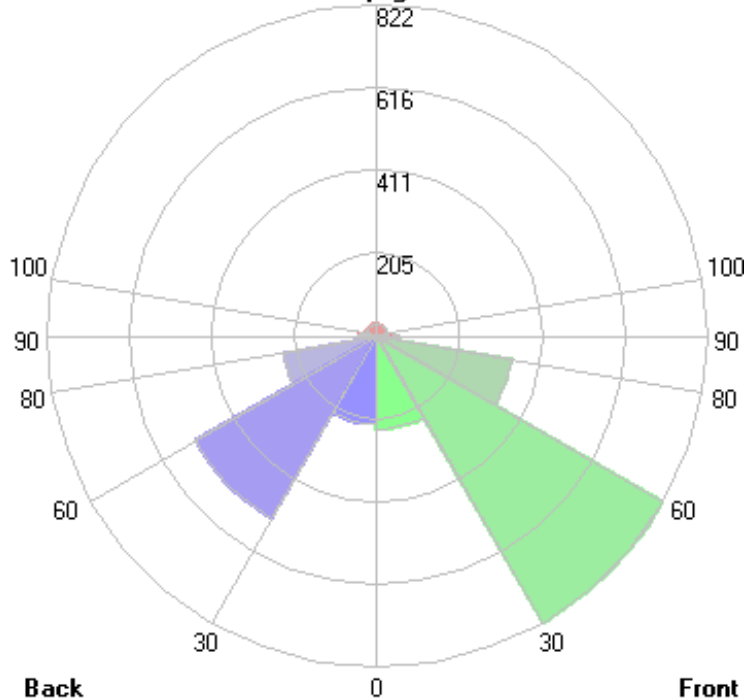


Shown on pole 84709 (159-7/8" OAH)

Grid Spacing: 7.5 ft.

Luminaire Lumens

Uplight



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

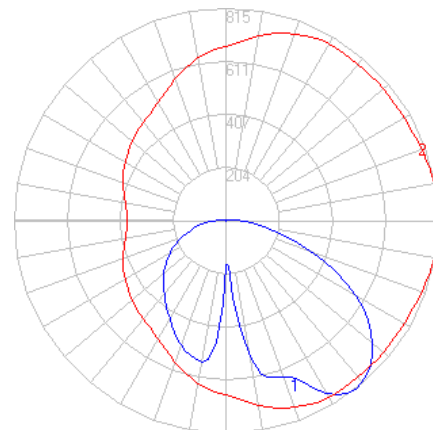
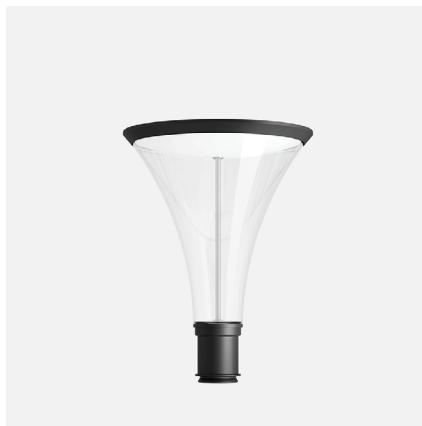
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BEGA

File: 84736K3_BEGA_IES.ies

TEST: BE_84736K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 736K3
LAMP: 23.2W LED



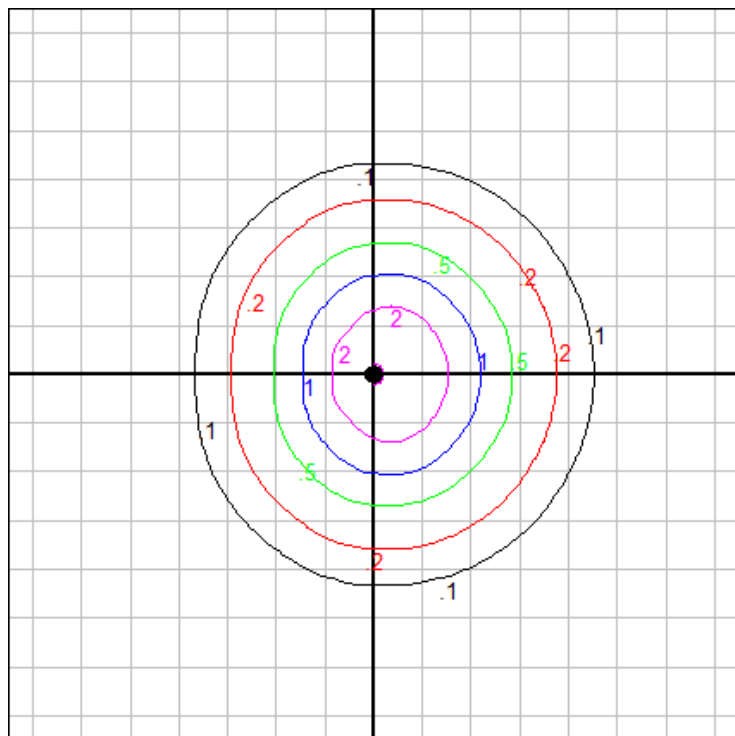
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2513
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	84
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.03
Max. Cd.	814.994 (355H, 37.5V)
Max. Cd. (<90 Vert.)	814.994 (355H, 37.5V)
Max. Cd. (At 90 Deg. Vert.)	69.258 (2.8%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	147.537 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

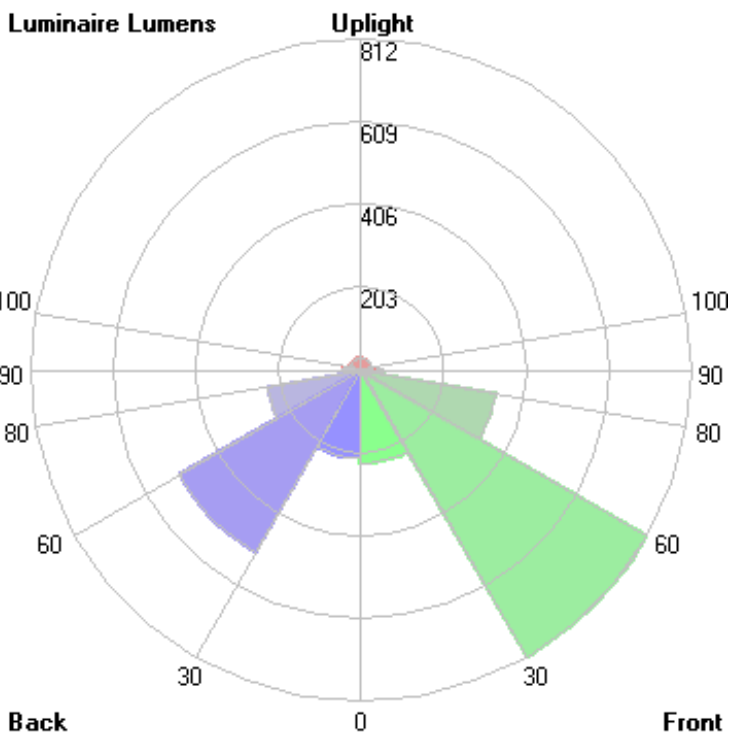
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	230.0	N.A.	9.2
FM (30-60)	812.5	N.A.	32.3
FH (60-80)	336.1	N.A.	13.4
FVH (80-90)	54.3	N.A.	2.2
BL (0-30)	216.6	N.A.	8.6
BM (30-60)	515.2	N.A.	20.5
BH (60-80)	234.7	N.A.	9.3
BVH (80-90)	45.0	N.A.	1.8
UL (90-100)	40.7	N.A.	1.6
UH (100-180)	27.8	N.A.	1.1
Total	2512.9	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.

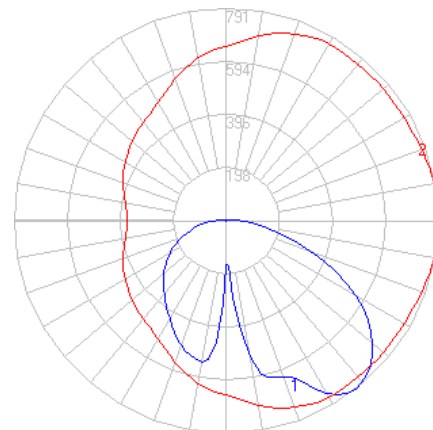
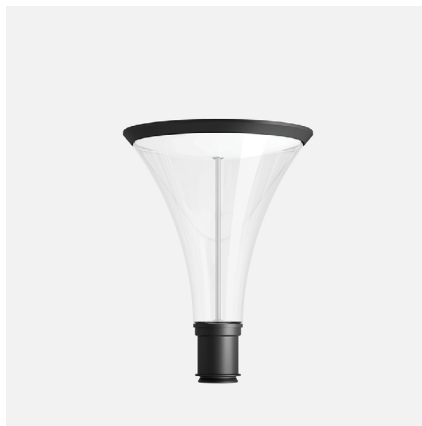
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BEGA

File: 84736K27_BEGA_IES.ies

TEST: BE_84736K4
TEST LAB: BEGA
DATE: 08/31/2020
LUMINAIRE: 84 736K27
LAMP: 23.2W LED



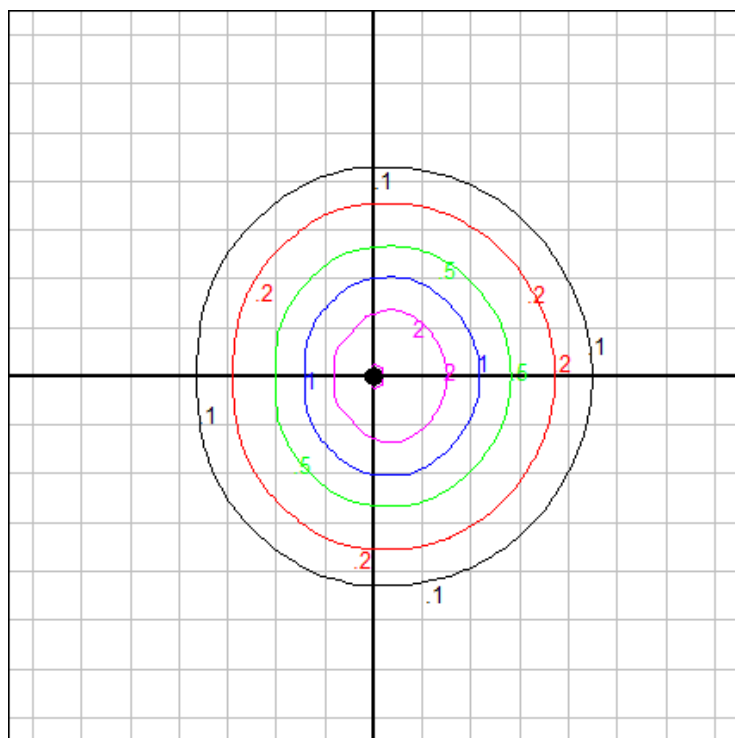
Characteristics

IES Classification	Type III
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2440
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	30
Ballast Factor	1.00
Upward Waste Light Ratio	0.03
Max. Cd.	791.468 (355H, 37.5V)
Max. Cd. (<90 Vert.)	791.468 (355H, 37.5V)
Max. Cd. (At 90 Deg. Vert.)	67.259 (2.8%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	143.278 (5.9%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	223.3	N.A.	9.2
FM (30-60)	789.0	N.A.	32.3
FH (60-80)	326.4	N.A.	13.4
FVH (80-90)	52.7	N.A.	2.2
BL (0-30)	210.4	N.A.	8.6
BM (30-60)	500.3	N.A.	20.5
BH (60-80)	227.9	N.A.	9.3
BVH (80-90)	43.7	N.A.	1.8
UL (90-100)	39.5	N.A.	1.6
UH (100-180)	27.0	N.A.	1.1
Total	2440.2	N.A.	100.0

BUG Rating B1-U2-G1

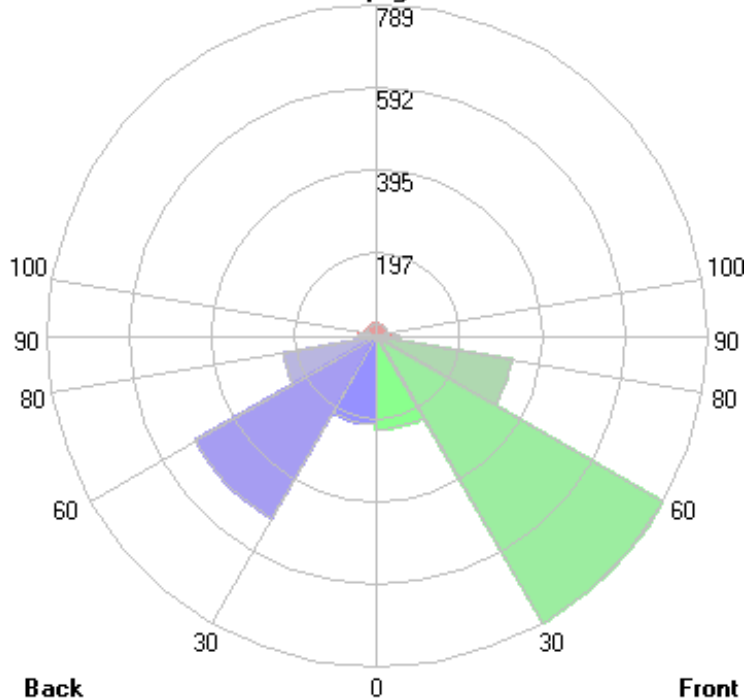


Shown on pole 84709 (159-7/8" OAH)

Grid Spacing: 7.5 ft.

Luminaire Lumens

Uplight



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