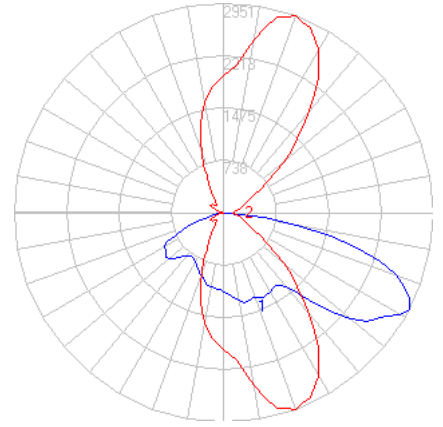


BEGA

Photometric Filename: 77953K4_BEGA_IES.ies

TEST: BE_77950K4
TEST LAB: BEGA
DATE: 7/28/2020
LUMINAIRE: 77953K4
LAMP: 31.4W LED



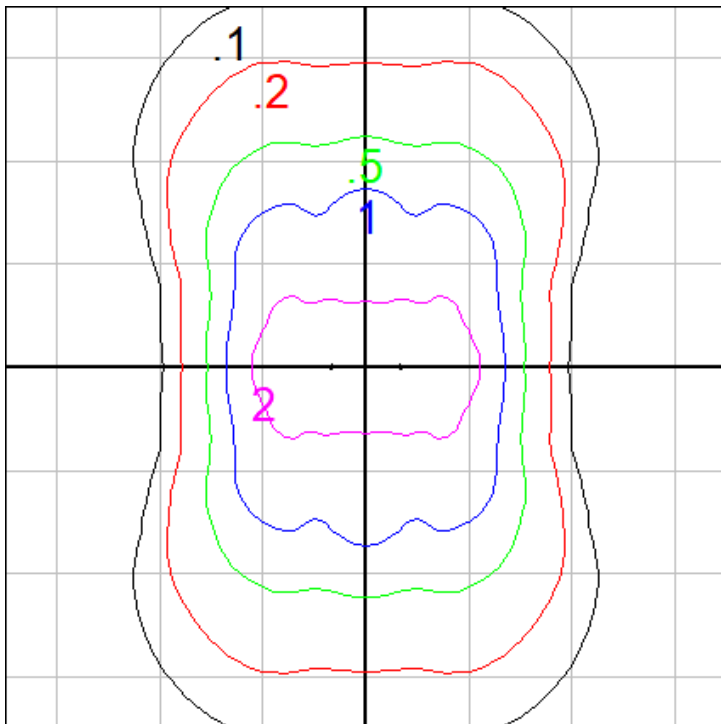
Characteristics

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4785
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	89
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2950.7 (290H, 62.5V)
Max. Cd. (<90 Vert.)	2950.7 (290H, 62.5V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	1061.1 (22.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

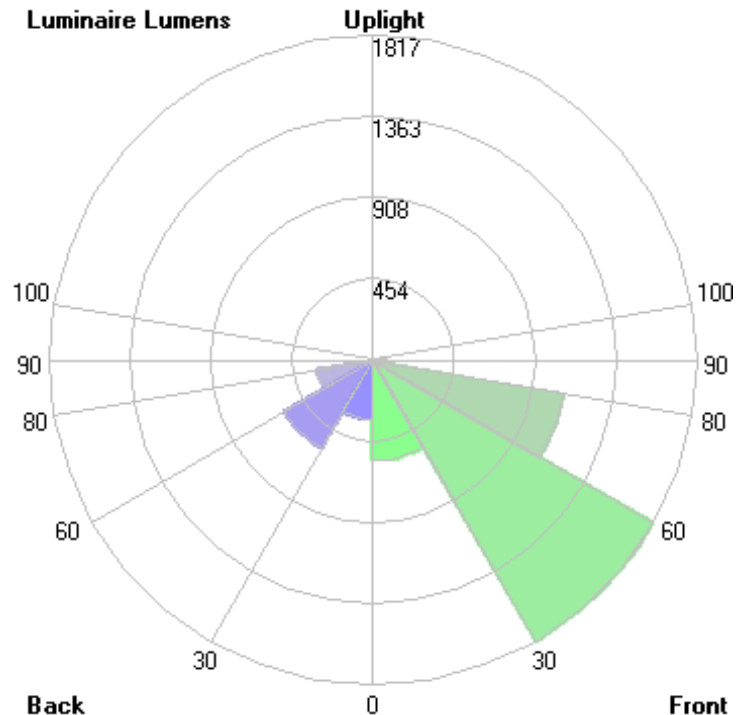
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	565.3	N.A.	11.8
FM (30-60)	1817.0	N.A.	38.0
FH (60-80)	1087.2	N.A.	22.7
FVH(80-90)	74.7	N.A.	1.6
BL (0-30)	336.0	N.A.	7.0
BM (30-60)	574.1	N.A.	12.0
BH (60-80)	317.2	N.A.	6.6
BVH(80-90)	13.4	N.A.	0.3
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	4784.9	N.A.	100.0

BUG Rating B1-U0-G1



Mounting Height = 20 ft.
Grid Spacing = 20 ft.
(Pole - 920HR)



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

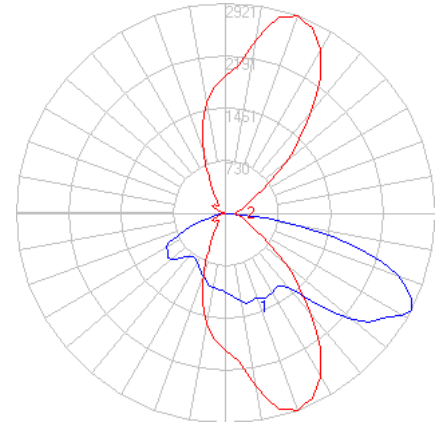
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Photometric Filename: 77953K35_BEGA_IES.ies

TEST: BE_77950K4
 TEST LAB: BEGA
 DATE: 7/28/2020
 LUMINAIRE: 77953K35
 LAMP: 31.4W LED



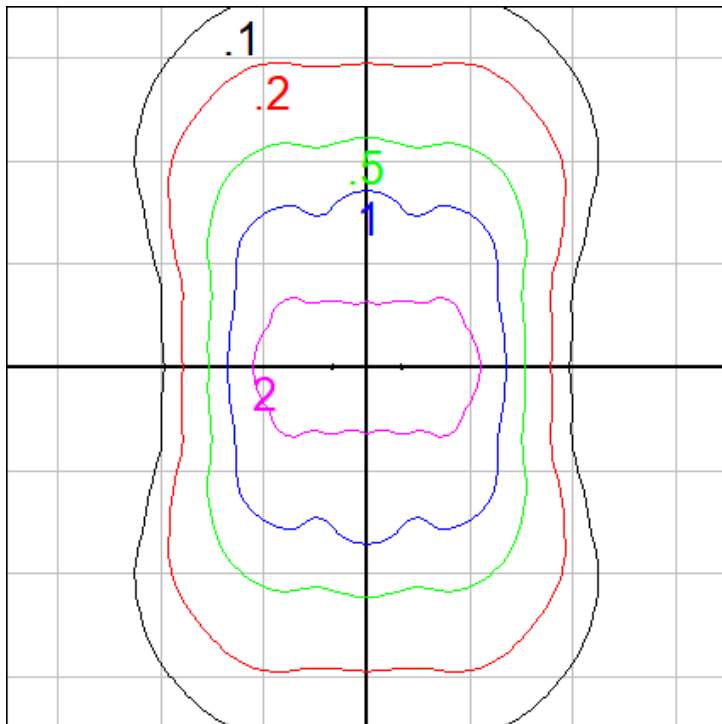
Characteristics

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4737
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	88
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2921.193 (290H, 62.5V)
Max. Cd. (<90 Vert.)	2921.193 (290H, 62.5V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	1050.489 (22.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

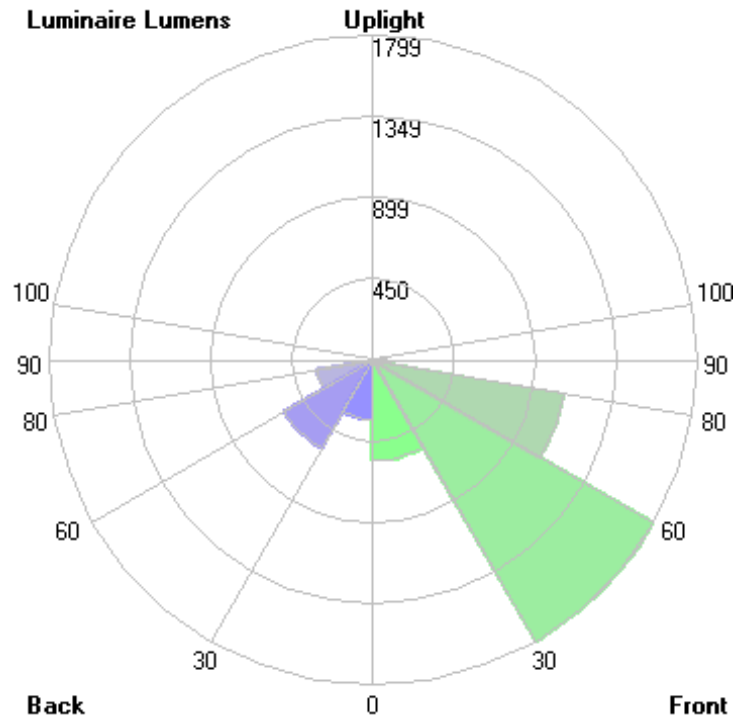
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	559.6	N.A.	11.8
FM (30-60)	1798.8	N.A.	38.0
FH (60-80)	1076.4	N.A.	22.7
FVH(80-90)	74.0	N.A.	1.6
BL (0-30)	332.6	N.A.	7.0
BM (30-60)	568.4	N.A.	12.0
BH (60-80)	314.1	N.A.	6.6
BVH(80-90)	13.3	N.A.	0.3
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	4737.2	N.A.	100.0

BUG Rating B1-U0-G1



Mounting Height = 20 ft.
 Grid Spacing = 20 ft.
 (Pole - 920HR)



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

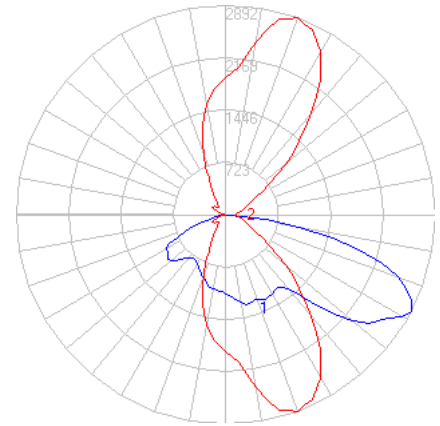
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Photometric Filename: 77953K3_BEGA_IES.ies

TEST: BE_77950K4
 TEST LAB: BEGA
 DATE: 7/28/2020
 LUMINAIRE: 77953K3
 LAMP: 31.4W LED



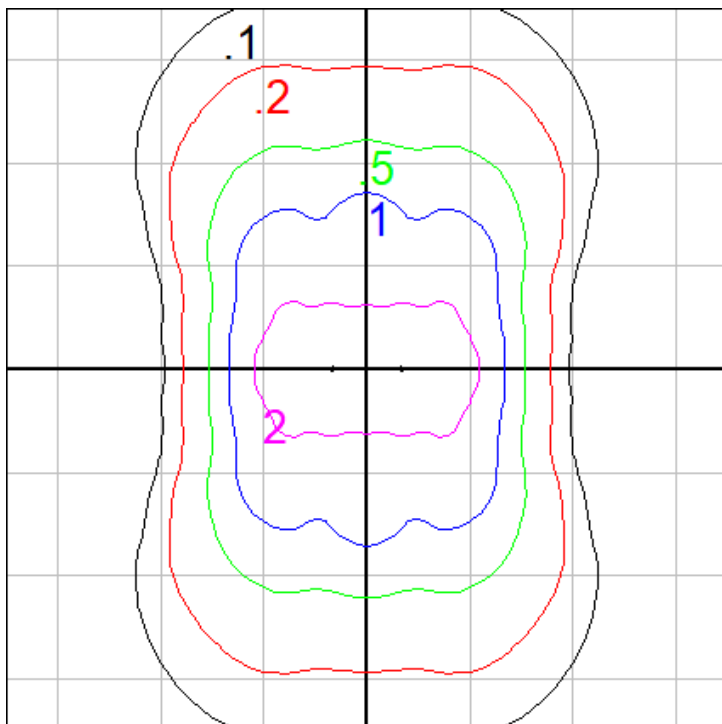
Characteristics

IES Classification	Type III
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4689
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	87
Total Luminaire Watts	54
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	2891.686 (290H, 62.5V)
Max. Cd. (<90 Vert.)	2891.686 (290H, 62.5V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	1039.878 (22.2%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

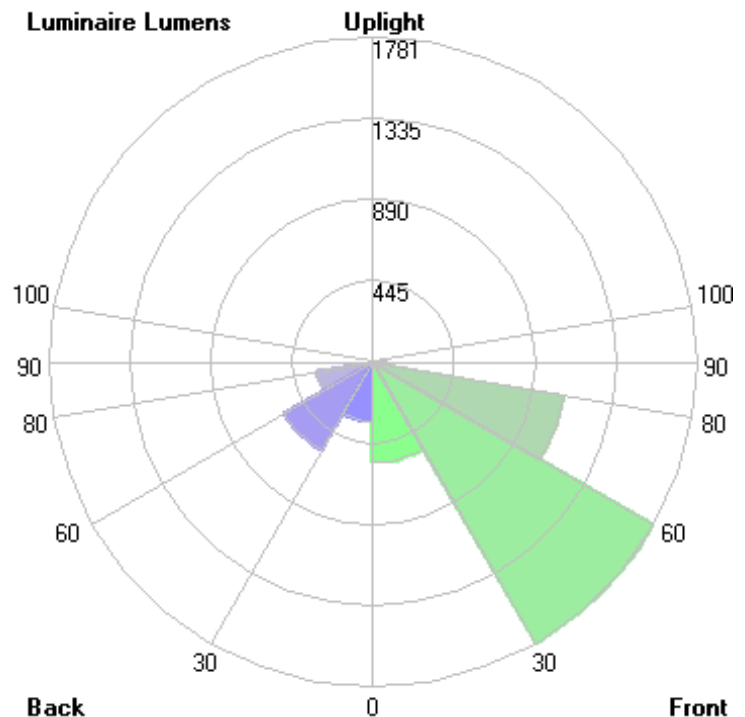
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	554.0	N.A.	11.8
FM (30-60)	1780.7	N.A.	38.0
FH (60-80)	1065.5	N.A.	22.7
FVH(80-90)	73.2	N.A.	1.6
BL (0-30)	329.3	N.A.	7.0
BM (30-60)	562.6	N.A.	12.0
BH (60-80)	310.9	N.A.	6.6
BVH(80-90)	13.2	N.A.	0.3
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	4689.4	N.A.	100.0

BUG Rating B1-U0-G1



Mounting Height = 20 ft.
 Grid Spacing = 20 ft.
 (Pole - 920HR)



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