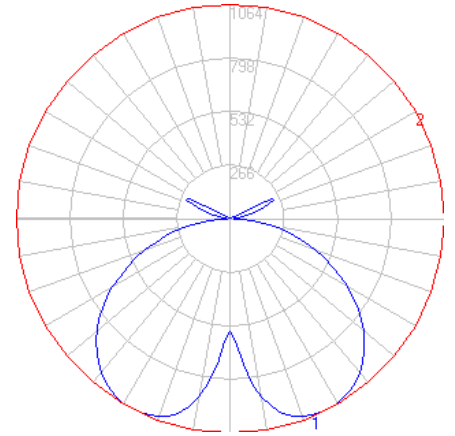


BEGA

Photometric Filename: 77210.ies

TEST: BE_77210
 TEST LAB: BEGA
 DATE: 10/9/2018
 LUMINAIRE: 77 210
 LAMP: 55.3W LED



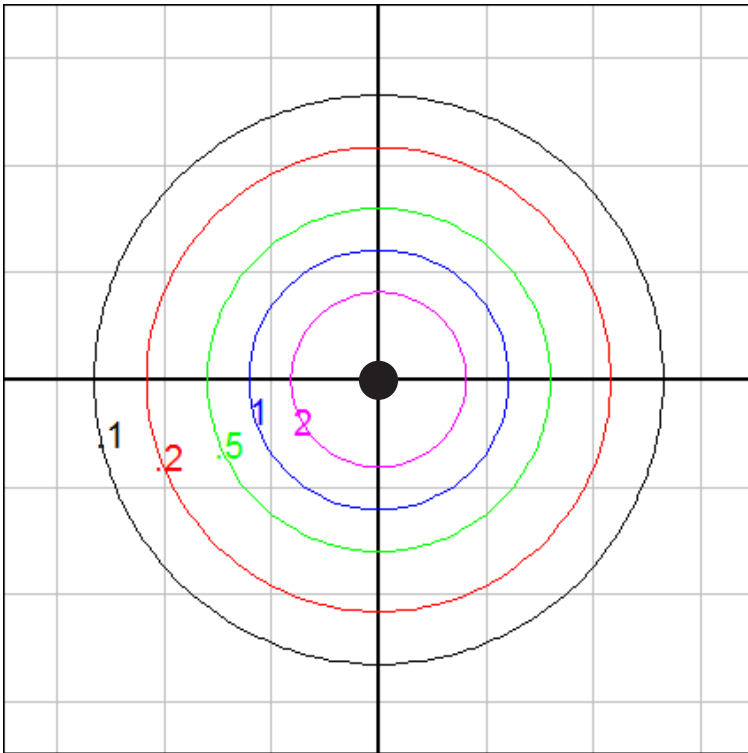
Characteristics

IES Classification	Type V
Longitudinal Classification	Very Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4320
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	70
Total Luminaire Watts	62
Ballast Factor	1.00
Upward Waste Light Ratio	0.09
Max. Cd.	1064.434 (0H, 27.5V)
Max. Cd. (<90 Vert.)	1064.434 (0H, 27.5V)
Max. Cd. (At 90 Deg. Vert.)	16.753 (0.4%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	217.23 (5.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

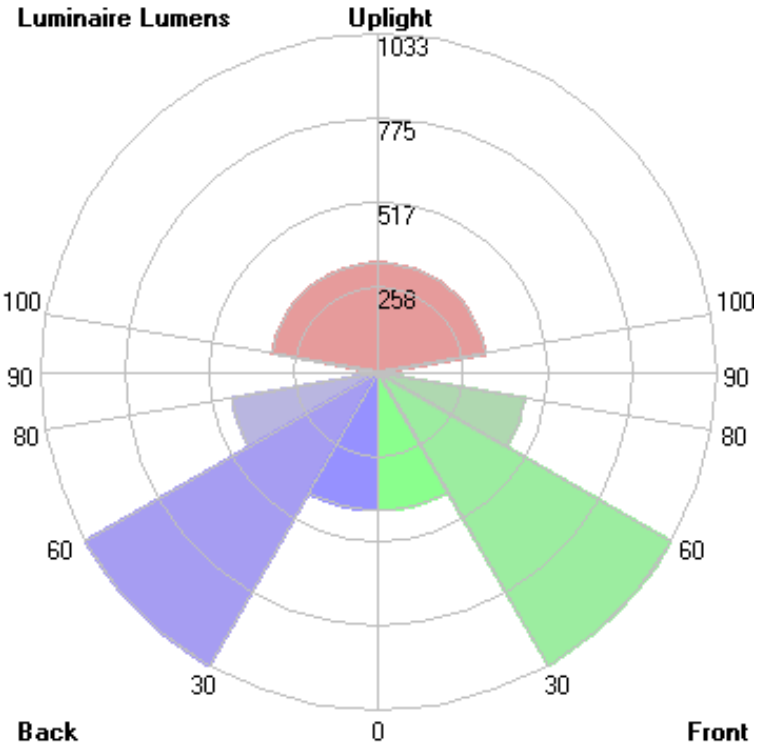
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	424.2	N.A.	9.8
FM (30-60)	1033.5	N.A.	23.9
FH (60-80)	454.5	N.A.	10.5
FVH (80-90)	59.8	N.A.	1.4
BL (0-30)	424.2	N.A.	9.8
BM (30-60)	1033.5	N.A.	23.9
BH (60-80)	454.5	N.A.	10.5
BVH (80-90)	59.8	N.A.	1.4
UL (90-100)	44.1	N.A.	1.0
UH (100-180)	331.7	N.A.	7.7
Total	4319.8	N.A.	100.0

BUG Rating B2-U3-G1



Mounting Height = 16 ft. (Pole - 916HR)
 Grid Spacing = 15 ft.

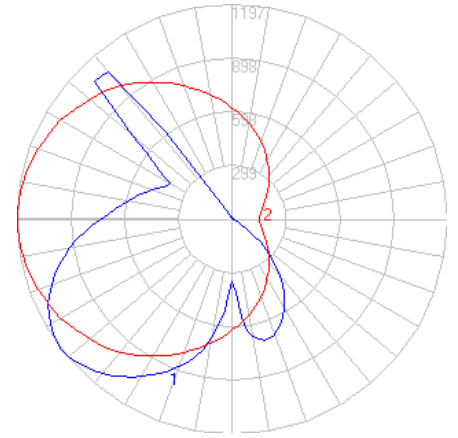


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

Photometric Filename: 77210_30DEG.ies

TEST: BE77210_30DEG
 TEST LAB: BEGA
 DATE: 10/9/2018
 LUMINAIRE: 77 210 (30DEG)
 LAMP: 55.3W LED



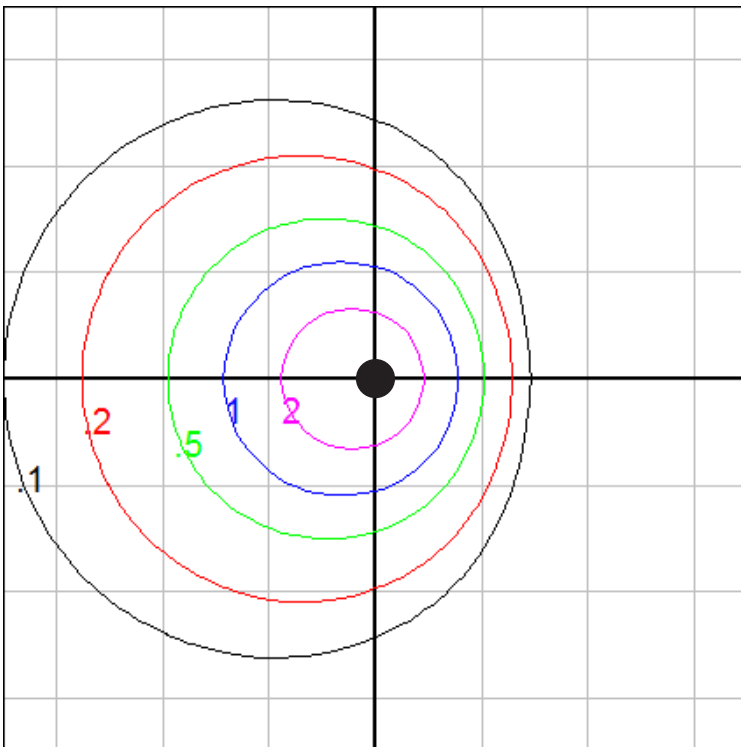
Characteristics

IES Classification	N.A.
Longitudinal Classification	N.A.
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	4384
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	71
Total Luminaire Watts	62
Ballast Factor	1.00
Upward Waste Light Ratio	0.22
Max. Cd.	1196.699 (185H, 52.5V)
Max. Cd. (<90 Vert.)	1196.699 (185H, 52.5V)
Max. Cd. (At 90 Deg. Vert.)	742.96 (16.9%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	922.343 (21.0%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

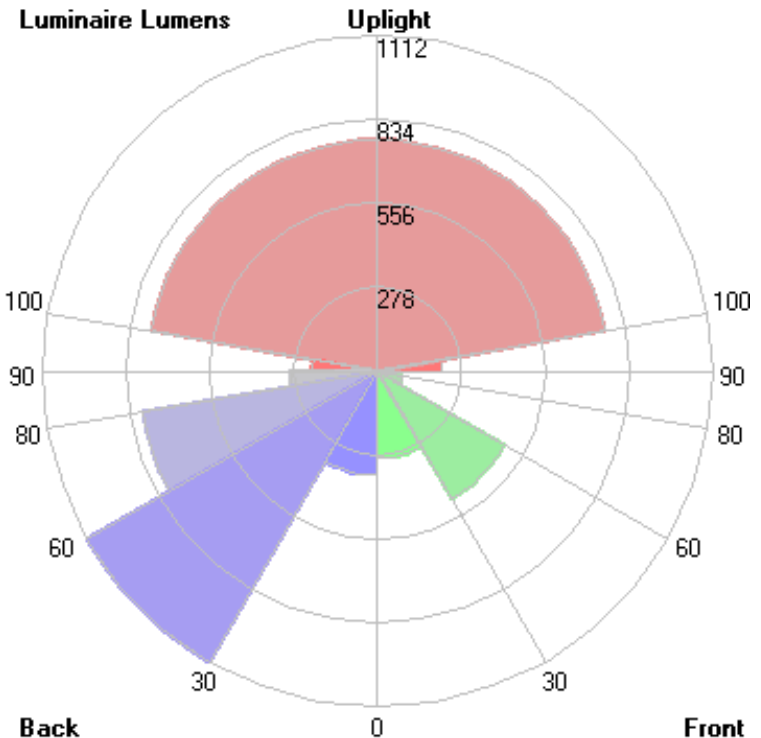
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	289.2	N.A.	6.6
FM (30-60)	488.2	N.A.	11.1
FH (60-80)	82.5	N.A.	1.9
FVH (80-90)	5.5	N.A.	0.1
BL (0-30)	344.8	N.A.	7.9
BM (30-60)	1112.3	N.A.	25.4
BH (60-80)	794.0	N.A.	18.1
BVH (80-90)	287.4	N.A.	6.6
UL (90-100)	215.3	N.A.	4.9
UH (100-180)	764.5	N.A.	17.4
Total	4383.7	N.A.	100.0

BUG Rating B2-U4-G3



Mounting Height = 16 ft. (Pole - 916HR)
 Grid Spacing = 15 ft.



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