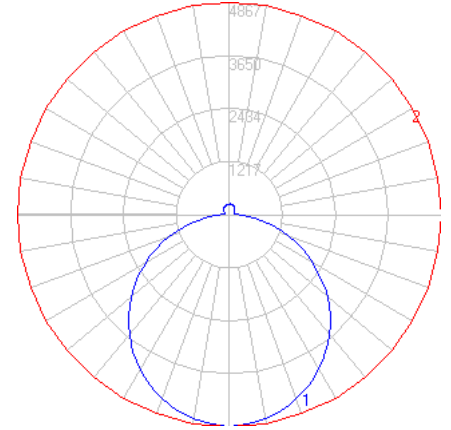


BEGA

File: 50193K27_BEGA_IES.ies

TEST: BE_50193K65
 TEST LAB: BEGA
 DATE: 07/26/2016
 LUMINAIRE: 50 193K27
 LAMP: 123.2W LED

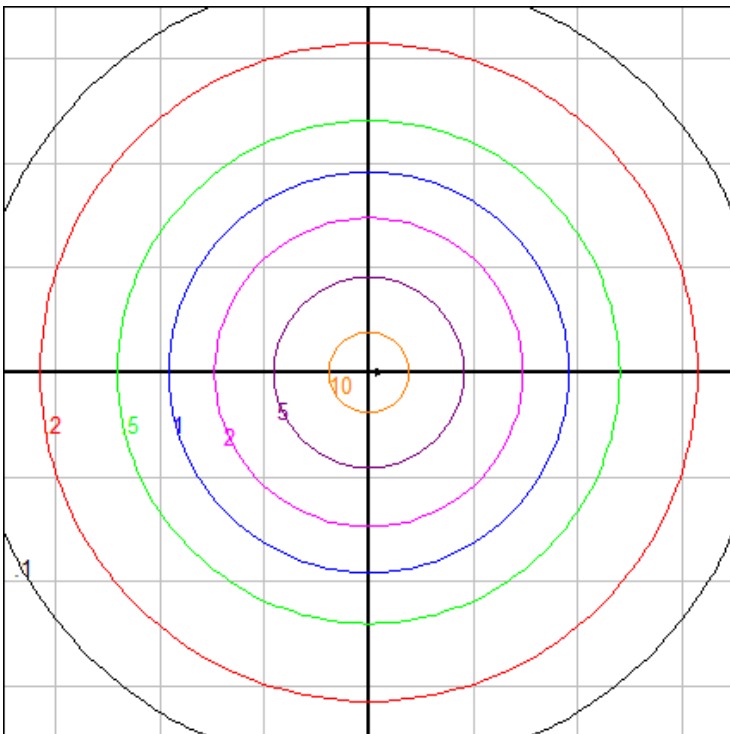


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15487
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	105
Total Luminaire Watts	147
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Sphere
Luminous Length (0-180)	4.27 ft (Diameter)
Luminous Width (90-270)	4.27 ft (Diameter)
Luminous Height	0.46 ft (Diameter)

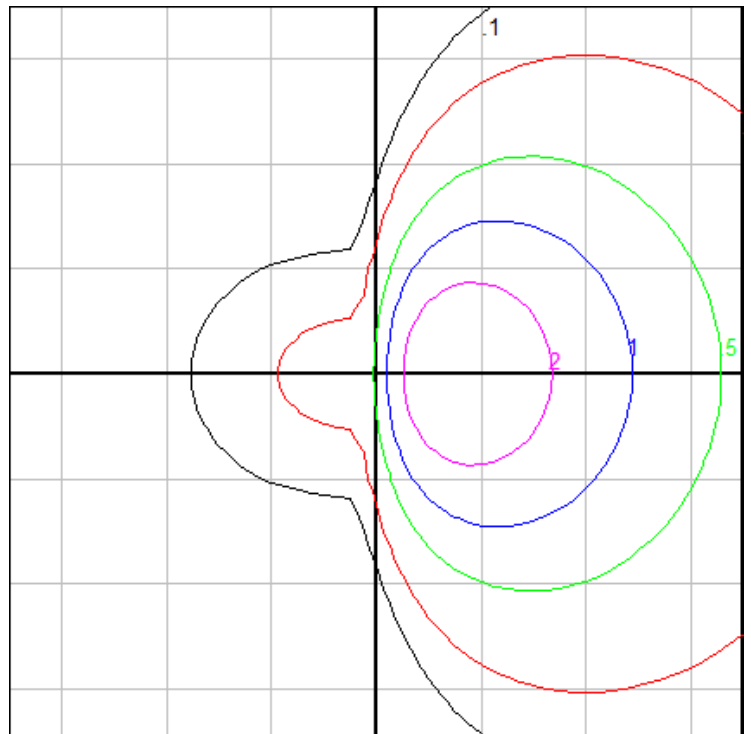
Zonal Lumen Summary

Zone	Lumens
0-10	458.87
10-20	1312.06
20-30	1991.14
30-40	2412.22
40-50	2524.36
50-60	2315.93
60-70	1830.95
70-80	1159.85
80-90	488.13
90-100	152.93
100-110	119.23
110-120	126.77
120-130	135.44
130-140	137.27
140-150	130.62
150-160	102.25
160-170	66.07
170-180	23.36



Mounting Height: 20 ft.

Grid Spacing: 16 ft.



Mounting Height: 20 ft.

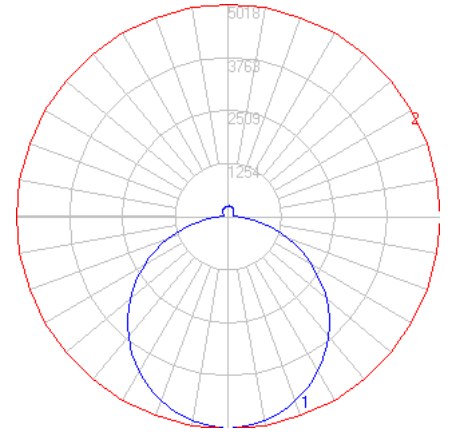
Grid Spacing: 16 ft.

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

BEGA

File: 50192K65_BEGA_IES.ies

TEST: BE_50193K65
 TEST LAB: BEGA
 DATE: 07/26/2016
 LUMINAIRE: 50 193K65
 LAMP: 123.2W LED

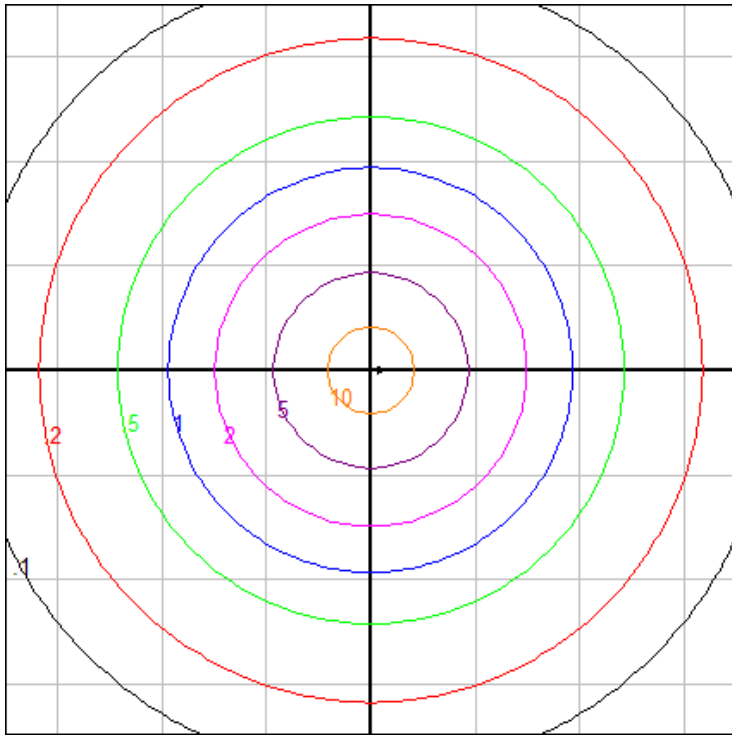


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	15966
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	109
Total Luminaire Watts	147
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.26
Spacing Criterion (90-270)	1.26
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Sphere
Luminous Length (0-180)	4.27 ft (Diameter)
Luminous Width (90-270)	4.27 ft (Diameter)
Luminous Height	0.46 ft (Diameter)

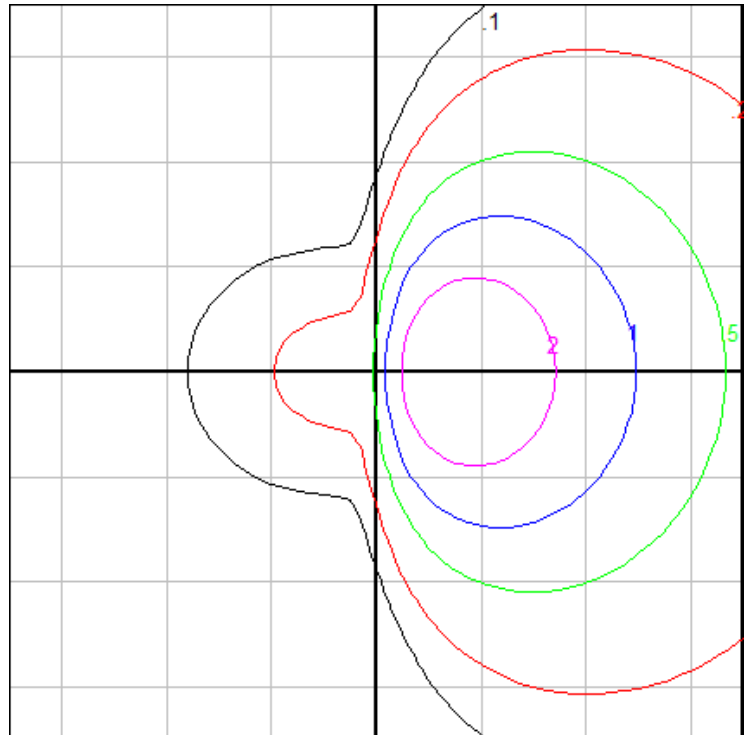
Zonal Lumen Summary

Zone	Lumens
0-10	473.07
10-20	1352.64
20-30	2052.73
30-40	2486.82
40-50	2602.43
50-60	2387.55
60-70	1887.58
70-80	1195.72
80-90	503.23
90-100	157.66
100-110	122.91
110-120	130.69
120-130	139.63
130-140	141.52
140-150	134.66
150-160	105.42
160-170	68.11
170-180	24.08



Mounting Height: 20 ft.

Grid Spacing: 16 ft.



Mounting Height: 20 ft.

Grid Spacing: 16 ft.

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