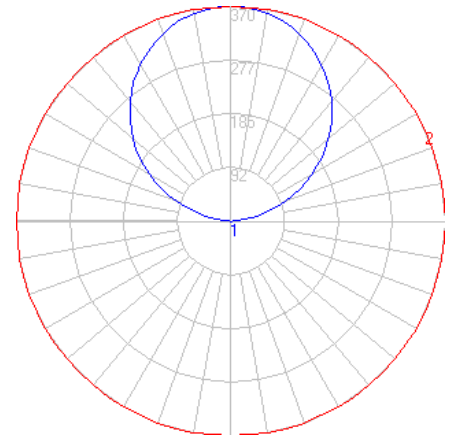


BEGA

Photometric Filename: 84156K4.IES

TEST: BE_84156K4
TEST LAB: BEGA
DATE: 9/6/2016
LUMINAIRE: 84 156K4
LAMP: 15.8W LED

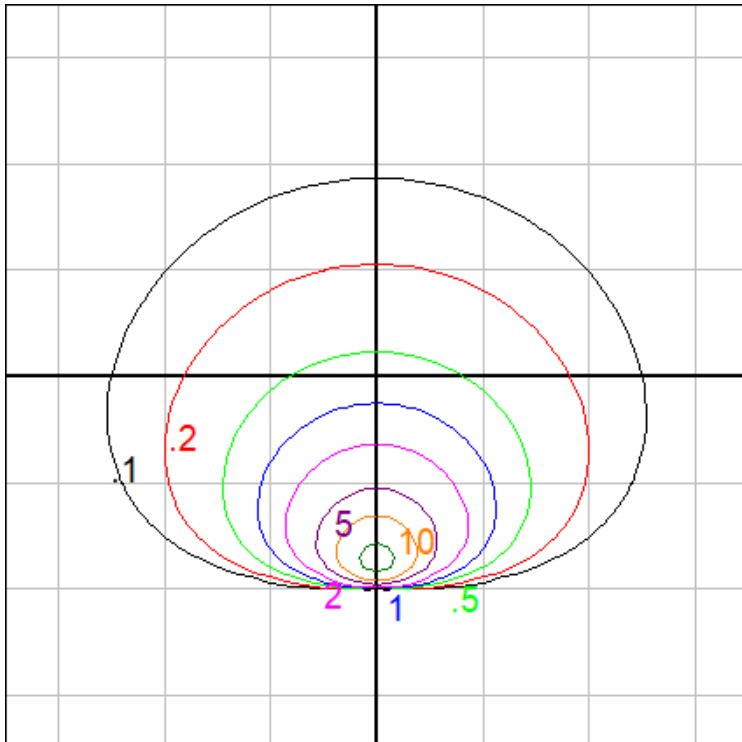


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1034
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating(LER)	56
Total Luminaire Watts	18.5
Ballast Factor	1.0
CIE Type	Indirect
Spacing Criterion(0-180)	N.A.
Spacing Criterion(90-270)	N.A.
Spacing Criterion(Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length(0-180)	0.13ft
Luminous Width(90-270)	1.61ft
Luminous Height	0.00ft

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.07
80-90	0.28
90-100	15.15
100-110	69.07
110-120	126.55
120-130	168.19
130-140	187.35
140-150	181.53
150-160	151.20
160-170	100.05
170-180	34.94



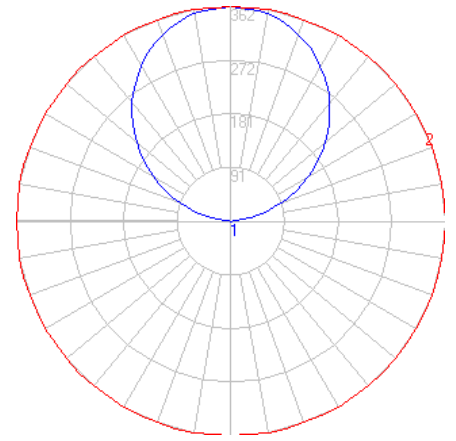
Fixture Setback = 2 ft Grid Spacing = 5 ft.

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

BEGA

Photometric Filename: 84156K35.IES

TEST: BE_84156K4
 TEST LAB: BEGA
 DATE: 9/6/2016
 LUMINAIRE: 84 156K35
 LAMP: 15.8W LED

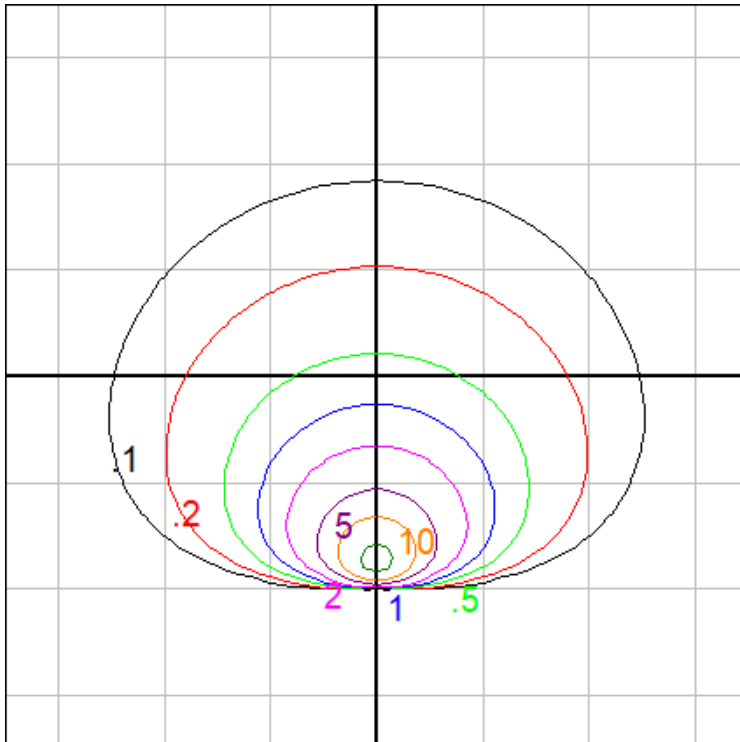


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1014
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating(LER)	55
Total Luminaire Watts	18.5
Ballast Factor	1.0
CIE Type	Indirect
Spacing Criterion(0-180)	N.A.
Spacing Criterion(90-270)	N.A.
Spacing Criterion(Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length(0-180)	0.13ft
Luminous Width(90-270)	1.61ft
Luminous Height	0.00ft

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.07
80-90	0.27
90-100	14.85
100-110	67.69
110-120	124.02
120-130	164.83
130-140	183.60
140-150	177.90
150-160	148.17
160-170	98.05
170-180	34.94



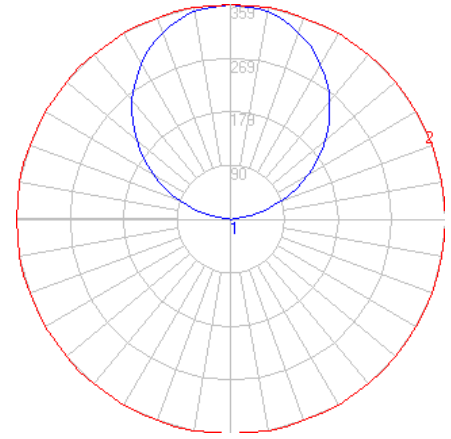
Fixture Setback = 2 ft Grid Spacing = 5 ft.

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

BEGA

Photometric Filename: 84156K3.IES

TEST: BE_84156K4
 TEST LAB: BEGA
 DATE: 9/6/2016
 LUMINAIRE: 84 156K3
 LAMP: 15.8W LED

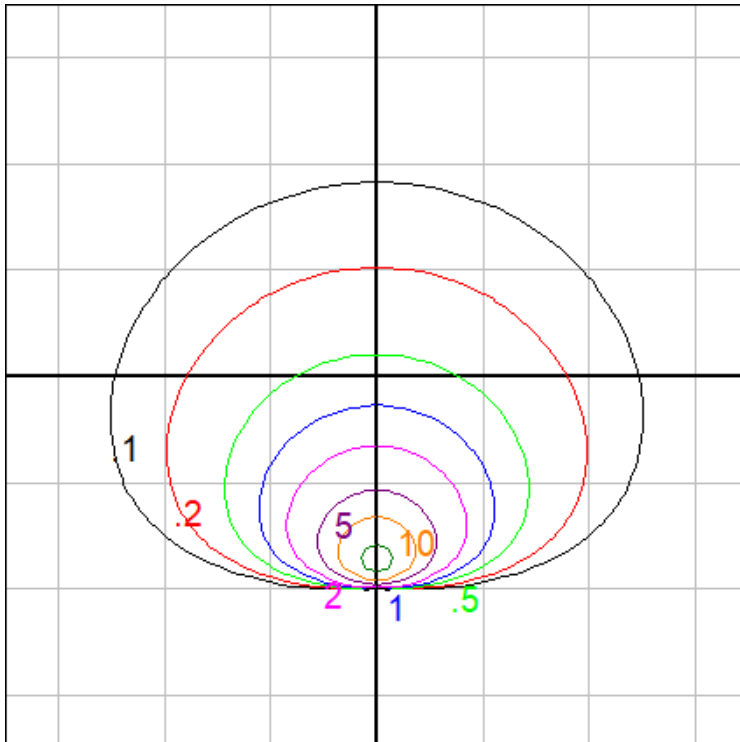


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1003
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating(LER)	54
Total Luminaire Watts	18.5
Ballast Factor	1.0
CIE Type	Indirect
Spacing Criterion(0-180)	N.A.
Spacing Criterion(90-270)	N.A.
Spacing Criterion(Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length(0-180)	0.13ft
Luminous Width(90-270)	1.61ft
Luminous Height	0.00ft

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.07
80-90	0.27
90-100	14.70
100-110	67.00
110-120	122.75
120-130	163.14
130-140	181.73
140-150	176.09
150-160	146.66
160-170	97.05
170-180	33.89



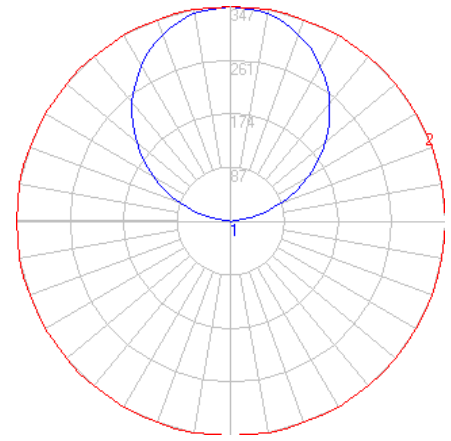
Fixture Setback = 2 ft Grid Spacing = 5 ft.

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

BEGA

Photometric Filename: 84156K27.IES

TEST: BE_84156K4
 TEST LAB: BEGA
 DATE: 9/6/2016
 LUMINAIRE: 84 156K27
 LAMP: 15.8W LED

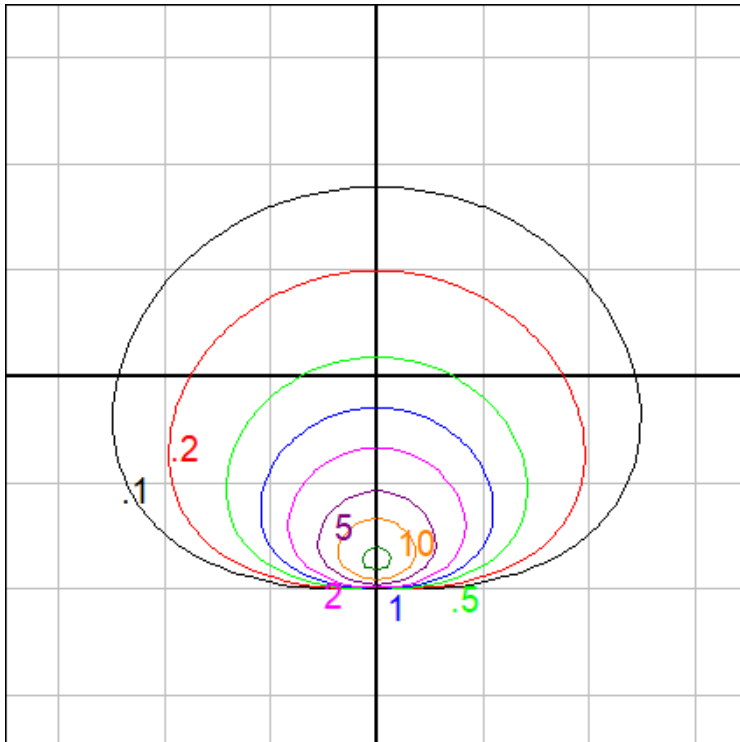


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	972
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating(LER)	53
Total Luminaire Watts	18.5
Ballast Factor	1.0
CIE Type	Indirect
Spacing Criterion(0-180)	N.A.
Spacing Criterion(90-270)	N.A.
Spacing Criterion(Diagonal)	N.A.
Basic Luminous Shape	Rectangular
Luminous Length(0-180)	0.13ft
Luminous Width(90-270)	1.61ft
Luminous Height	0.00ft

Zonal Lumen Summary

Zone	Lumens
0-10	0.00
10-20	0.00
20-30	0.00
30-40	0.00
40-50	0.00
50-60	0.00
60-70	0.00
70-80	0.07
80-90	0.28
90-100	14.25
100-110	64.93
110-120	118.95
120-130	158.10
130-140	176.11
140-150	170.64
150-160	142.03
160-170	94.05
170-180	32.85



Fixture Setback = 2 ft Grid Spacing = 5 ft.

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