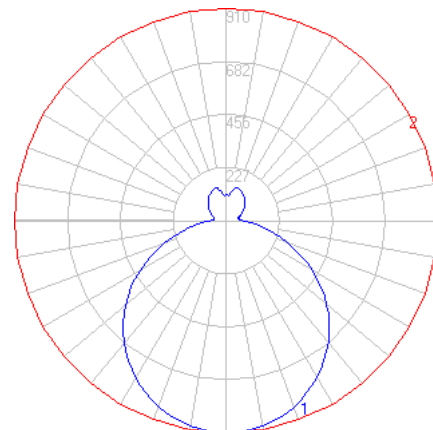
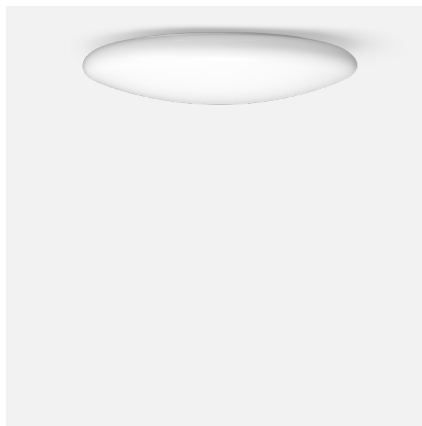


BEGA

File: 12164K4_BEGA_IES.ies

TEST: BE_12164K4
TEST LAB: BEGA
DATE: 12/15/2017
LUMINAIRE: 12164K4
LAMP: 37.8W LED

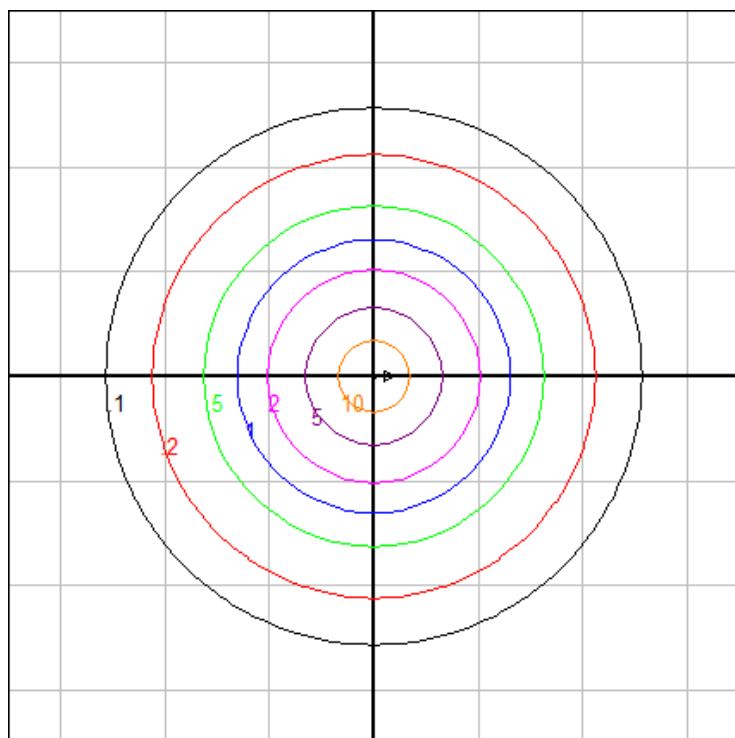


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3351
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	80
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.67 ft (Diameter)
Luminous Height	0.34 ft

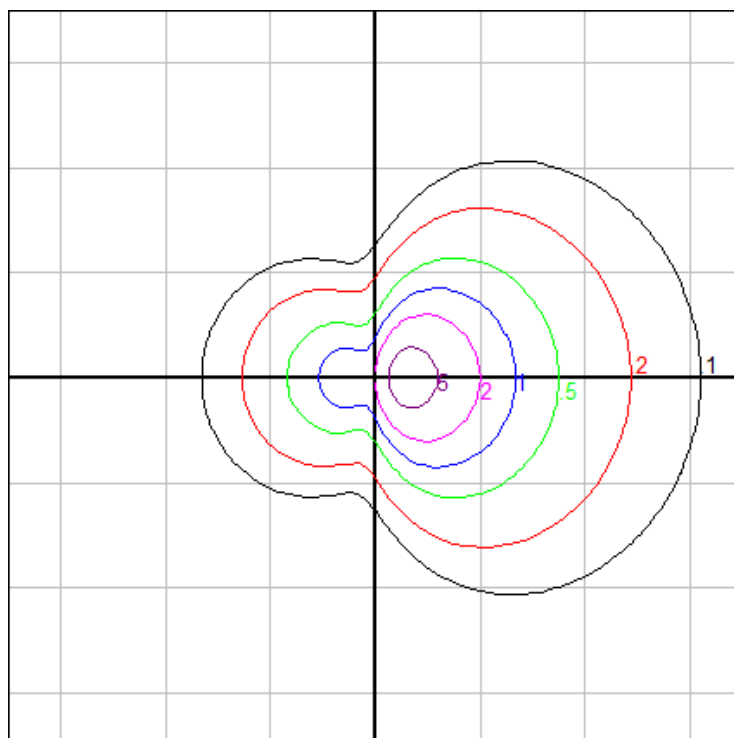
Zonal Lumen Summary

Zone	Lumens
0-10	86.02
10-20	247.03
20-30	376.50
30-40	458.22
40-50	481.90
50-60	444.13
60-70	350.79
70-80	225.28
80-90	116.12
90-100	63.97
100-110	60.40
110-120	72.93
120-130	83.57
130-140	86.66
140-150	80.66
150-160	65.66
160-170	40.19
170-180	10.97



Ceiling Mounting Height: 8 ft.

Grid Spacing: 10 ft.



Wall Mounting Height: 6 ft.

Grid Spacing: 12 ft.

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

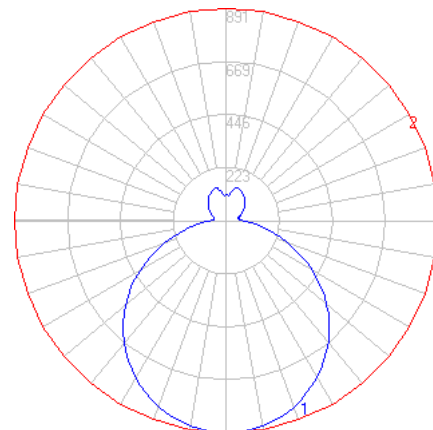
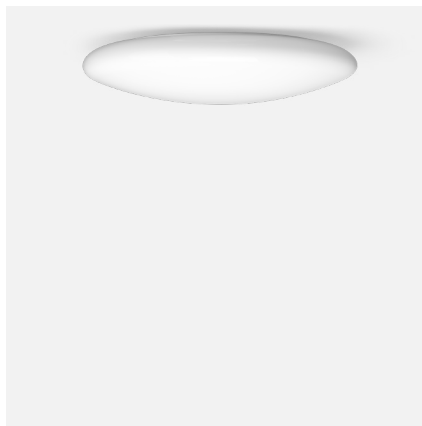
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BEGA

File: 12164K35_BEGA_IES.ies

TEST: BE_12164K4
TEST LAB: BEGA
DATE: 12/15/2017
LUMINAIRE: 12164K35
LAMP: 37.8W LED

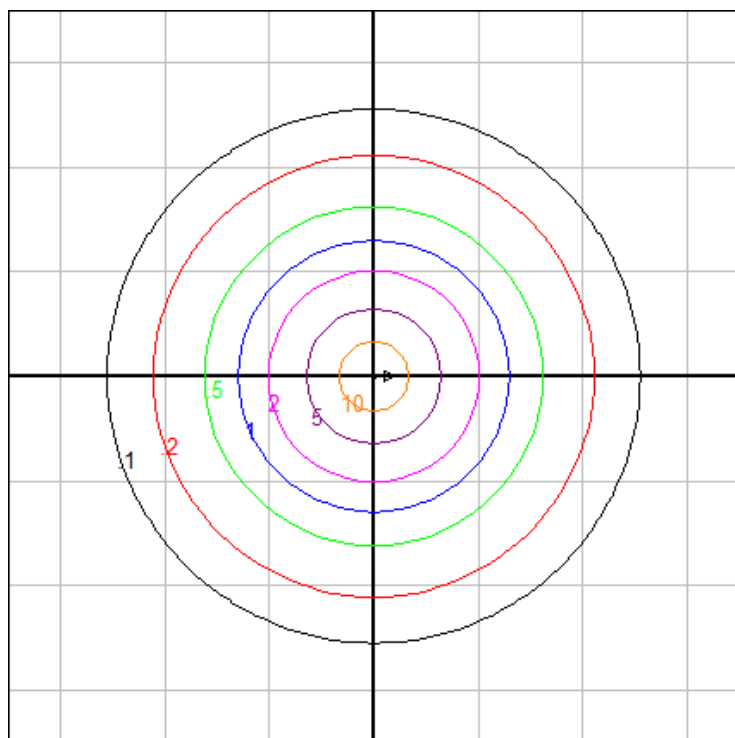


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3284
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	78
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.67 ft (Diameter)
Luminous Height	0.34 ft

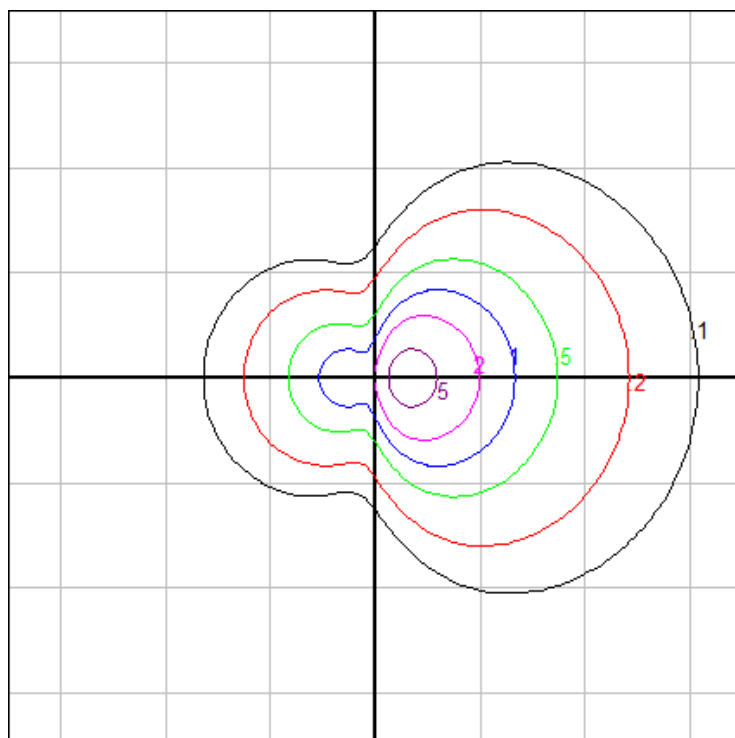
Zonal Lumen Summary

Zone	Lumens
0-10	84.30
10-20	242.09
20-30	368.97
30-40	449.05
40-50	472.26
50-60	435.24
60-70	343.77
70-80	220.77
80-90	113.80
90-100	62.69
100-110	59.19
110-120	71.47
120-130	81.90
130-140	84.92
140-150	79.04
150-160	64.35
160-170	39.39
170-180	10.75



Ceiling Mounting Height: 8 ft.

Grid Spacing: 10 ft.



Wall Mounting Height: 6 ft.

Grid Spacing: 12 ft.

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

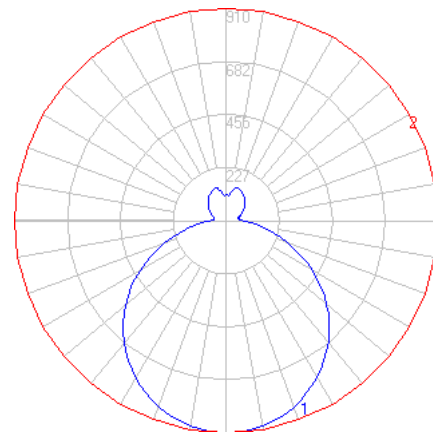
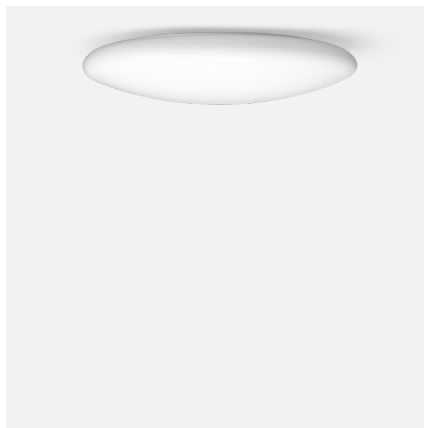
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BEGA

File: 12164K3_BEGA_IES.ies

TEST: BE_12164K4
TEST LAB: BEGA
DATE: 12/15/2017
LUMINAIRE: 12164K3
LAMP: 37.8W LED

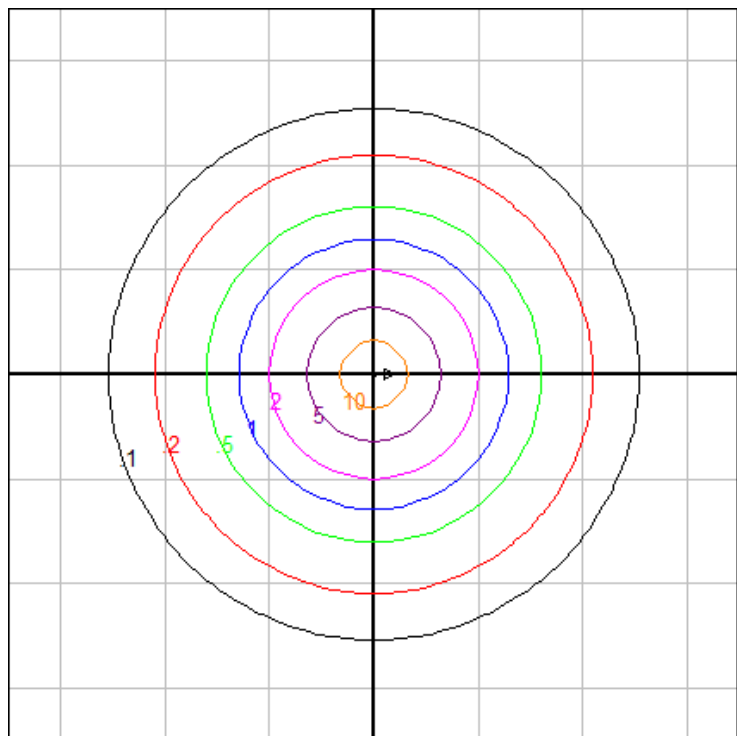


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3217
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	77
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.67 ft (Diameter)
Luminous Height	0.34 ft

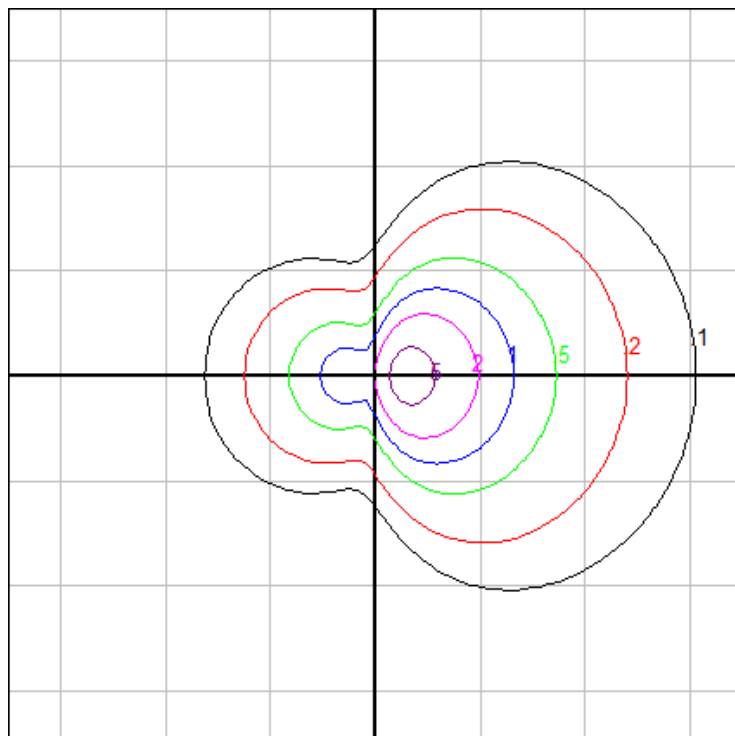
Zonal Lumen Summary

Zone	Lumens
0-10	82.58
10-20	237.15
20-30	361.44
30-40	439.89
40-50	462.62
50-60	426.36
60-70	336.76
70-80	216.27
80-90	111.48
90-100	61.41
100-110	57.98
110-120	70.02
120-130	80.23
130-140	83.19
140-150	77.43
150-160	63.04
160-170	38.58
170-180	10.53



Ceiling Mounting Height: 8 ft.

Grid Spacing: 10 ft.



Wall Mounting Height: 6 ft.

Grid Spacing: 12 ft.

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

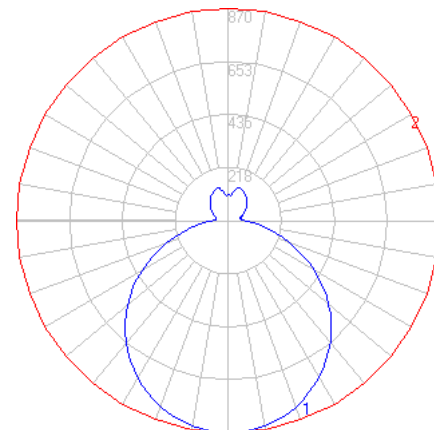
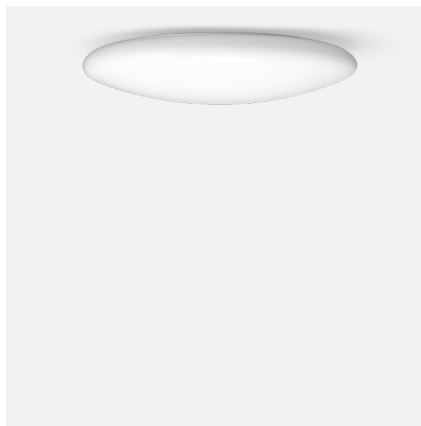
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BEGA

File: 12164K27_BEGA_IES.ies

TEST: BE_12164K4
TEST LAB: BEGA
DATE: 12/15/2017
LUMINAIRE: 12164K27
LAMP: 37.8W LED

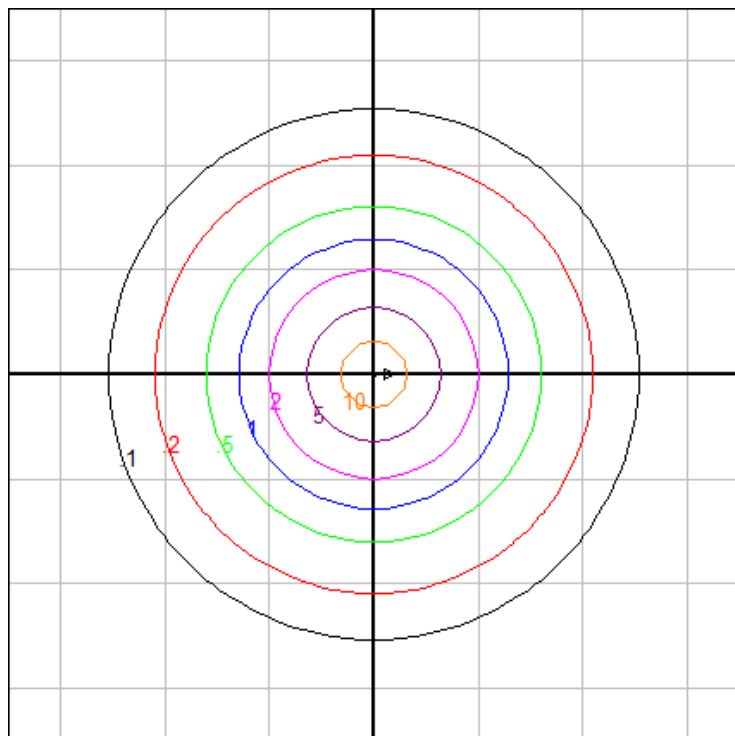


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	3207
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	76
Total Luminaire Watts	42
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.28
Spacing Criterion (90-270)	1.28
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Circular w/ Sides
Luminous Length (0-180)	0.00 ft
Luminous Width (90-270)	1.67 ft (Diameter)
Luminous Height	0.34 ft

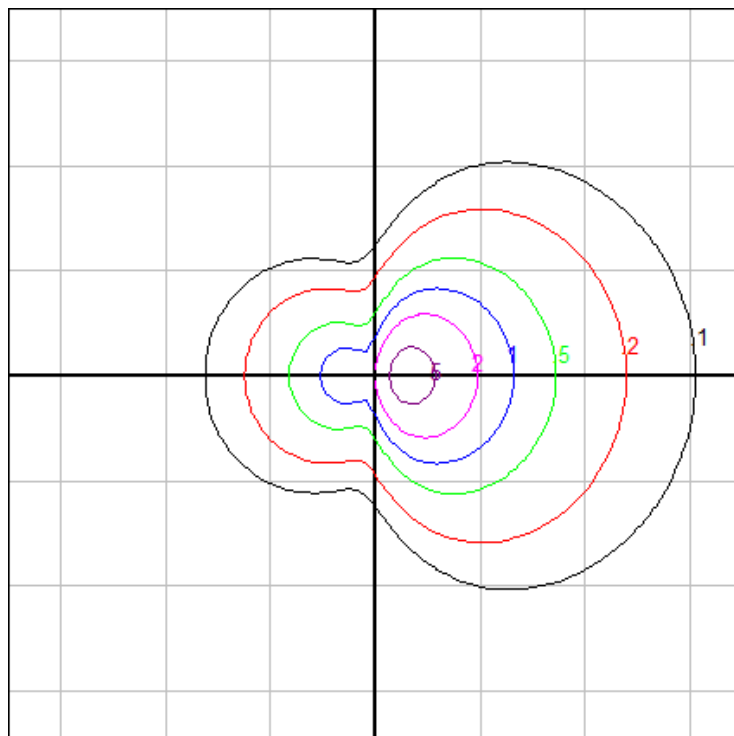
Zonal Lumen Summary

Zone	Lumens
0-10	82.32
10-20	236.41
20-30	360.31
30-40	438.51
40-50	461.18
50-60	425.03
60-70	335.70
70-80	215.59
80-90	111.13
90-100	61.22
100-110	57.80
110-120	69.80
120-130	79.98
130-140	82.93
140-150	77.19
150-160	62.84
160-170	38.46
170-180	10.50



Ceiling Mounting Height: 8 ft.

Grid Spacing: 10 ft.



Wall Mounting Height: 6 ft.

Grid Spacing: 10 ft.

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