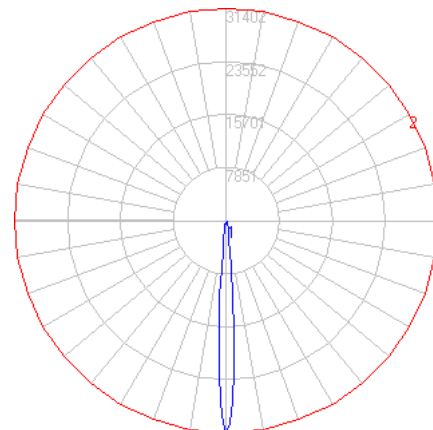


BEGA

File: 84661K4_BEGA_IES.ies

TEST: BE_84661K4
TEST LAB: BEGA
DATE: 05/03/2019
LUMINAIRE: 84 661K4
LAMP: 18.2W LED

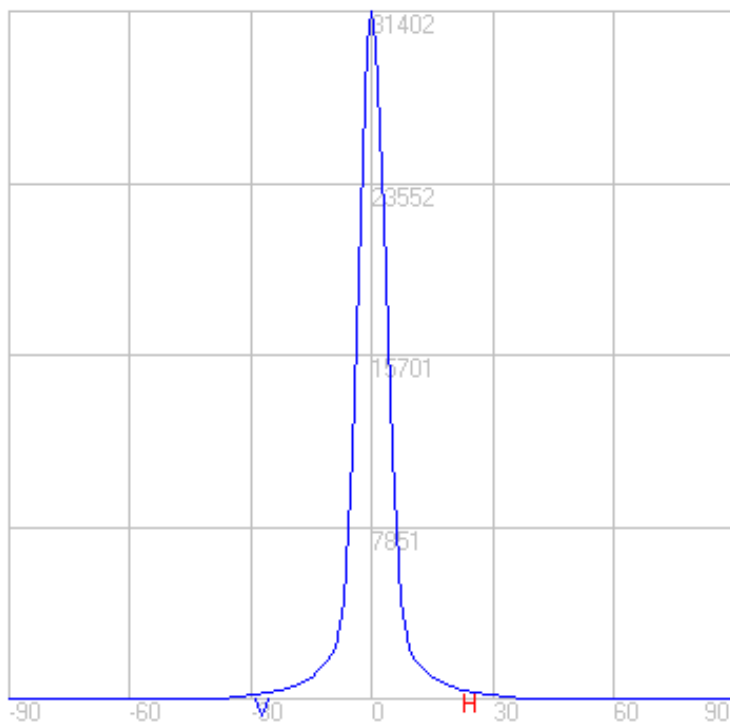
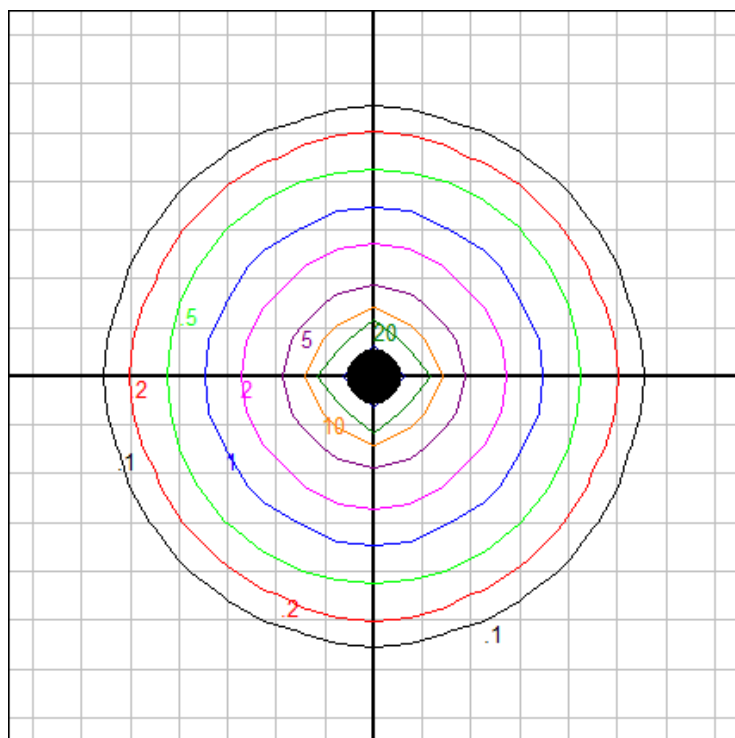


Characteristics

NEMA Type	1 H x 1 V
Maximum Candela	31402.3
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	8.3
Vertical Beam Angle (50%)	8.3
Horizontal Field Angle (10%)	16.5
Vertical Field Angle (10%)	16.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	346
Beam Efficiency	N.A.
Field Lumens	687
Field Efficiency	N.A.
Spill Lumens	571
Luminaire Lumens	1259
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	778.98
10-20	285.61
20-30	132.16
30-40	38.77
40-50	11.55
50-60	4.15
60-70	0.21
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 15 ft.

Grid Spacing: 2 ft.

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

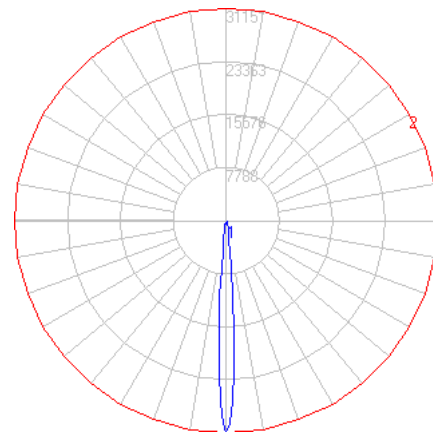
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BEGA

File: 84661K35_BEGA_IES.ies

TEST: BE_84661K4
TEST LAB: BEGA
DATE: 05/03/2019
LUMINAIRE: 84 661K35
LAMP: 18.2W LED

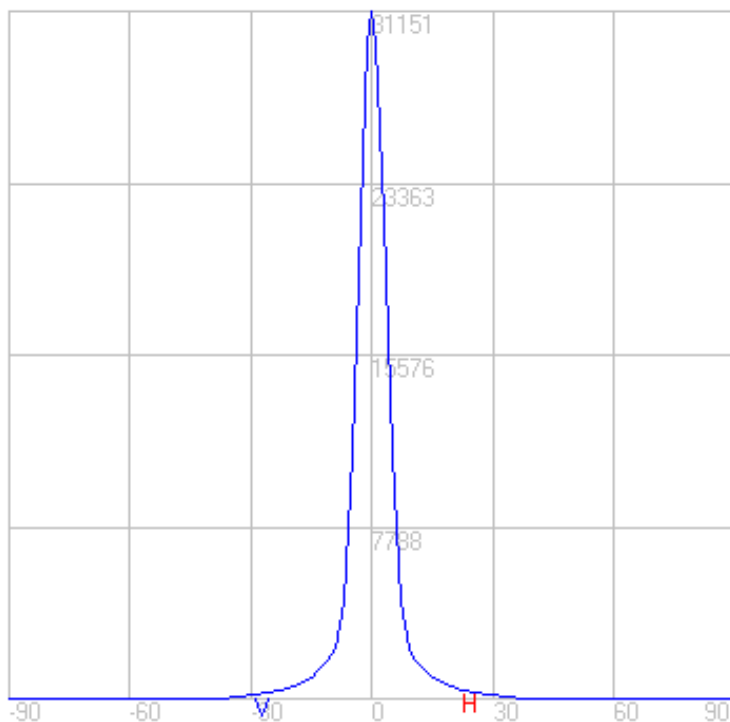
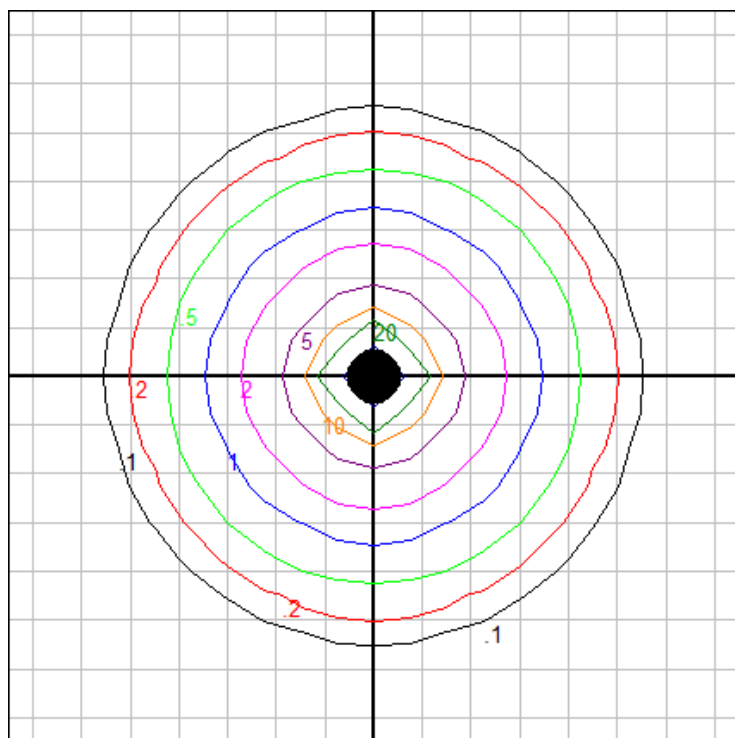


Characteristics

NEMA Type	1 H x 1 V
Maximum Candela	31151.081
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	8.3
Vertical Beam Angle (50%)	8.3
Horizontal Field Angle (10%)	16.5
Vertical Field Angle (10%)	16.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	343
Beam Efficiency	N.A.
Field Lumens	682
Field Efficiency	N.A.
Spill Lumens	567
Luminaire Lumens	1248
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	772.75
10-20	283.33
20-30	131.10
30-40	38.46
40-50	11.45
50-60	4.11
60-70	0.21
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 15 ft.

Grid Spacing: 2 ft.

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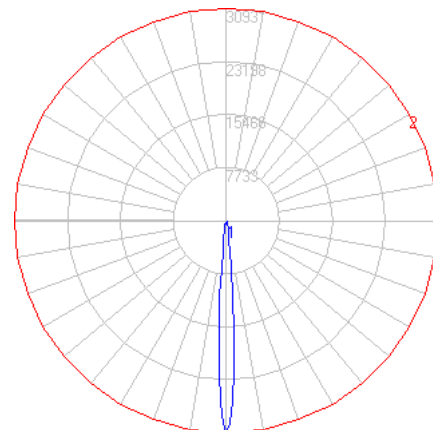
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BEGA

File: 84661K3_BEGA_IES.ies

TEST: BE_84661K4
TEST LAB: BEGA
DATE: 05/03/2019
LUMINAIRE: 84 661K3
LAMP: 18.2W LED

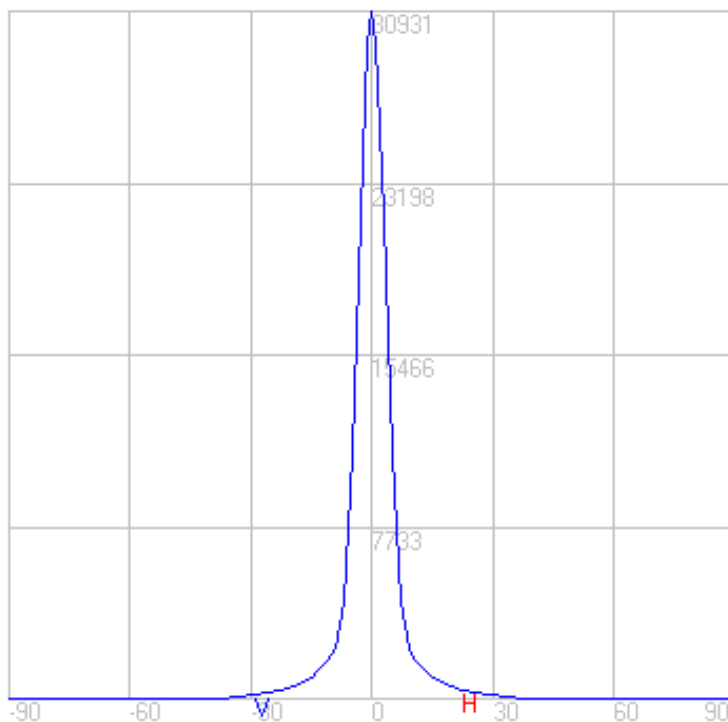
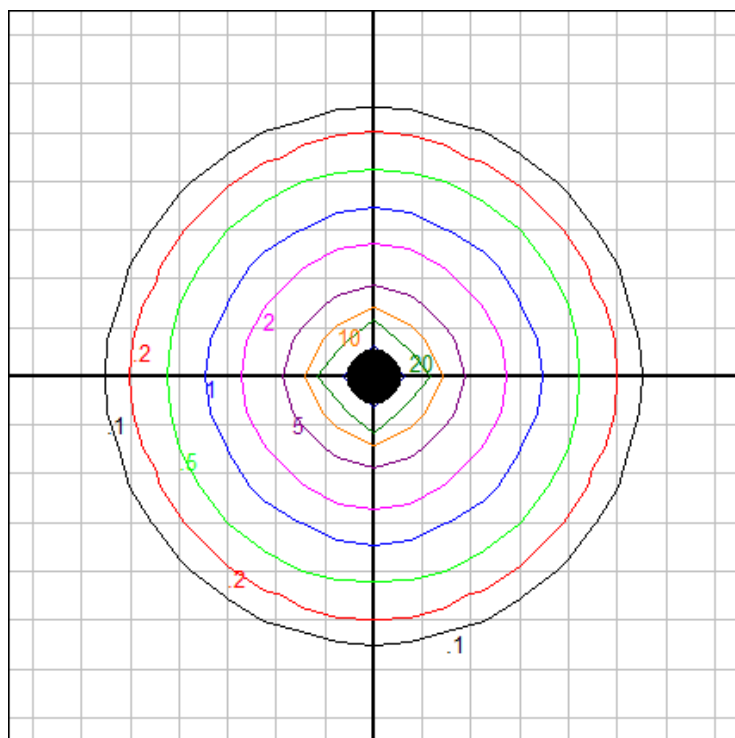


Characteristics

NEMA Type	1 H x 1 V
Maximum Candela	30931.266
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	8.3
Vertical Beam Angle (50%)	8.3
Horizontal Field Angle (10%)	16.5
Vertical Field Angle (10%)	16.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	341
Beam Efficiency	N.A.
Field Lumens	677
Field Efficiency	N.A.
Spill Lumens	563
Luminaire Lumens	1240
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	767.30
10-20	281.33
20-30	130.18
30-40	38.19
40-50	11.37
50-60	4.09
60-70	0.21
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 15 ft.

Grid Spacing: 2 ft.

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

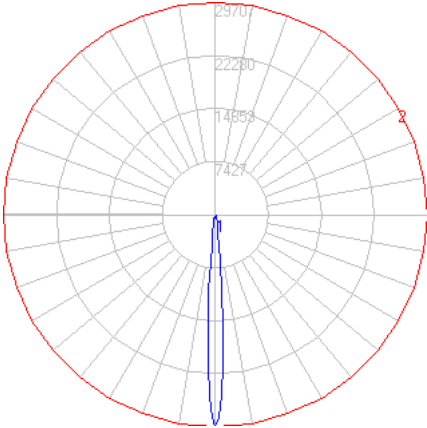
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BEGA

File: 84661K27_BEGA_IES.ies

TEST: BE_84661K4
TEST LAB: BEGA
DATE: 05/03/2019
LUMINAIRE: 84 661K27
LAMP: 18.2W LED

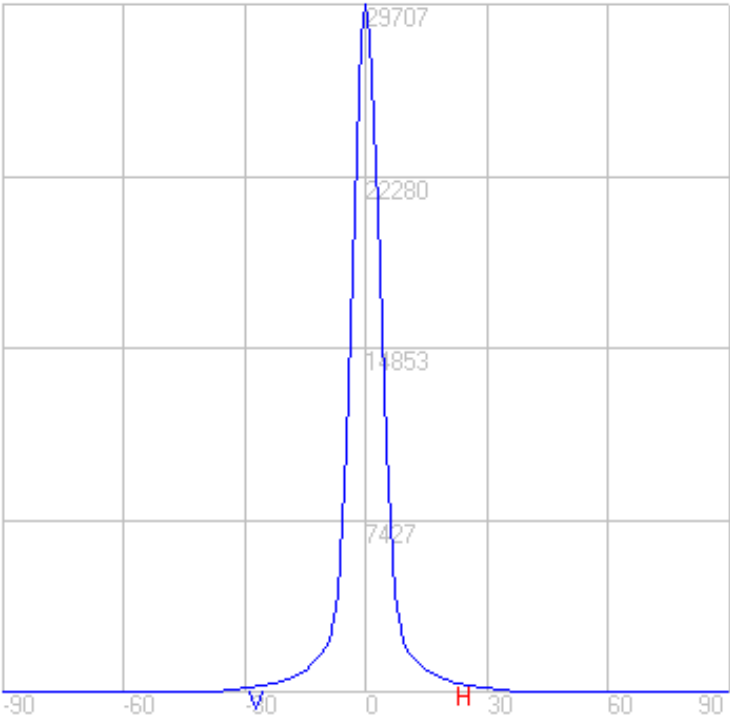
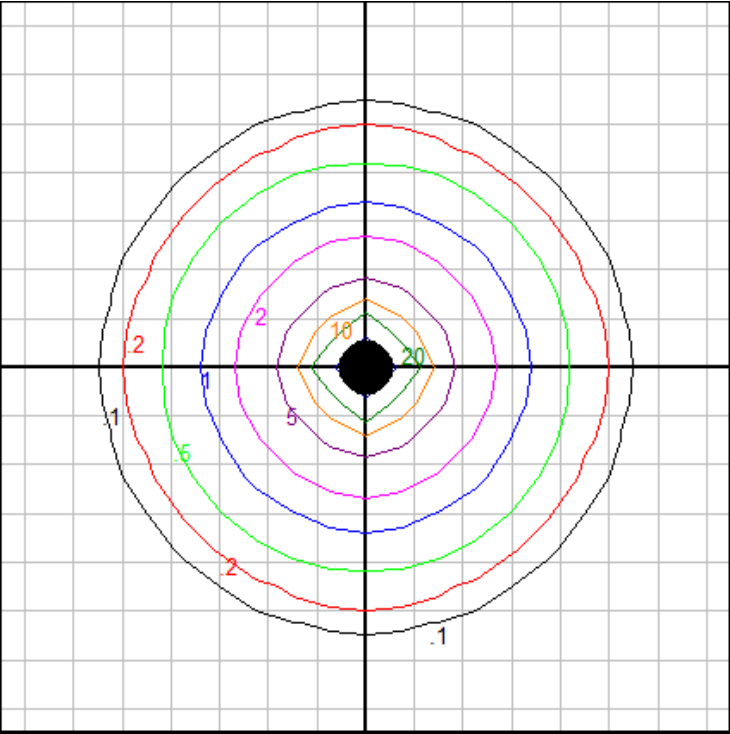


Characteristics

NEMA Type	1 H x 1 V
Maximum Candela	29706.575
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	8.3
Vertical Beam Angle (50%)	8.3
Horizontal Field Angle (10%)	16.5
Vertical Field Angle (10%)	16.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	327
Beam Efficiency	N.A.
Field Lumens	650
Field Efficiency	N.A.
Spill Lumens	541
Luminaire Lumens	1191
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	736.92
10-20	270.19
20-30	125.02
30-40	36.68
40-50	10.92
50-60	3.92
60-70	0.20
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



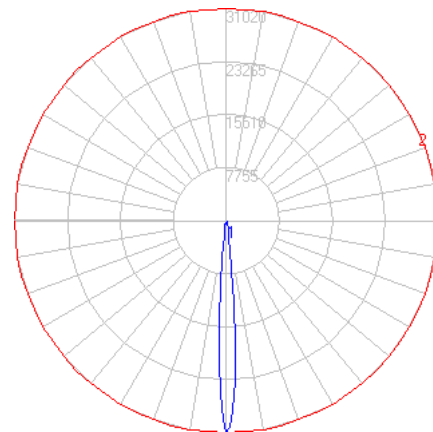
Mounting Height: 15 ft. Grid Spacing: 2 ft.

BEGA

File: 84661K4_71118_BEGA_IES.ies

TEST: BE_84661K4_71118
TEST LAB: BEGA
DATE: 05/03/2019
LUMINAIRE: 84 661K4 + 71118
LAMP: 18.2W LED

*For additional CCTs, please consult factory

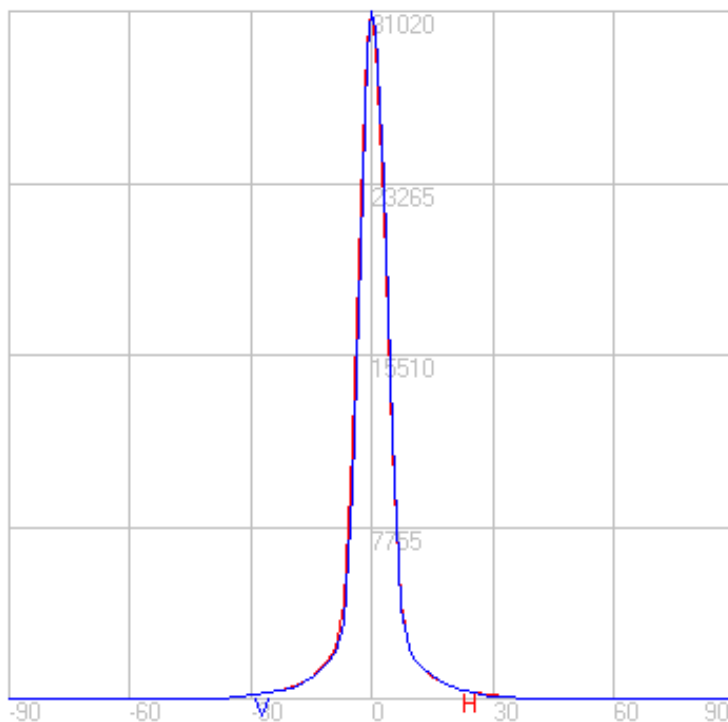
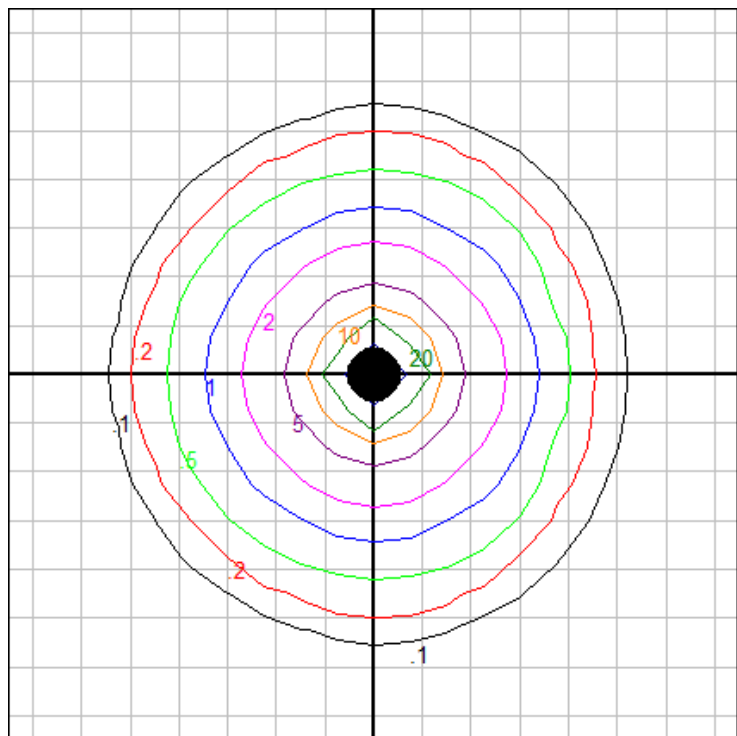


Characteristics

NEMA Type	1 H x 1 V
Maximum Candela	31019.7
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	8.5
Vertical Beam Angle (50%)	8.3
Horizontal Field Angle (10%)	16.4
Vertical Field Angle (10%)	15.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	325
Beam Efficiency	N.A.
Field Lumens	702
Field Efficiency	N.A.
Spill Lumens	532
Luminaire Lumens	1234
Total Efficiency	N.A.
Total Luminaire Watts	20
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	773.94
10-20	281.79
20-30	126.62
30-40	33.80
40-50	8.65
50-60	2.16
60-70	0.07
70-80	0.00
80-90	0.00
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00



Mounting Height: 15 ft.

Grid Spacing: 2 ft.

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