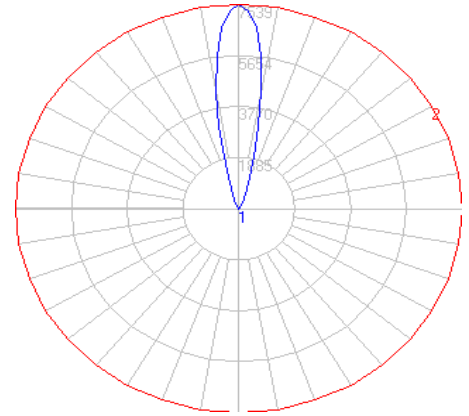


BEGA

File: 84559K4_BEGA_IES.ies

TEST: 84559K4
TEST LAB: BEGA
DATE: 06/24/2020
LUMINAIRE: 84559K4
LAMP: 11.5W LED



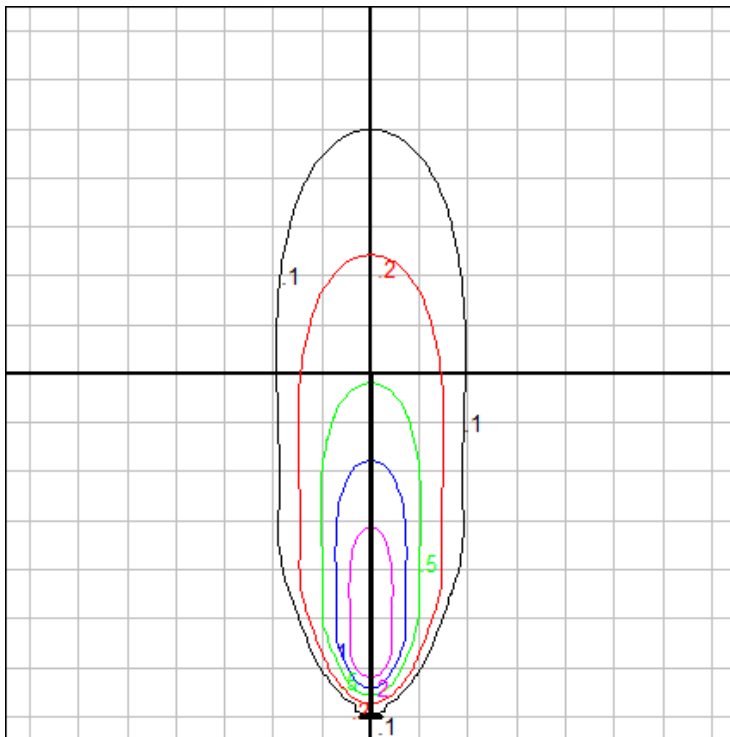
Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	7539.1
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	22.5
Vertical Beam Angle (50%)	22.5
Horizontal Field Angle (10%)	41.2
Vertical Field Angle (10%)	41.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	650
Beam Efficiency	N.A.
Field Lumens	1141
Field Efficiency	N.A.
Spill Lumens	322
Luminaire Lumens	1463
Total Efficiency	N.A.
Total Luminaire Watts	13
Ballast Factor	1.00

Zonal Lumen Summary

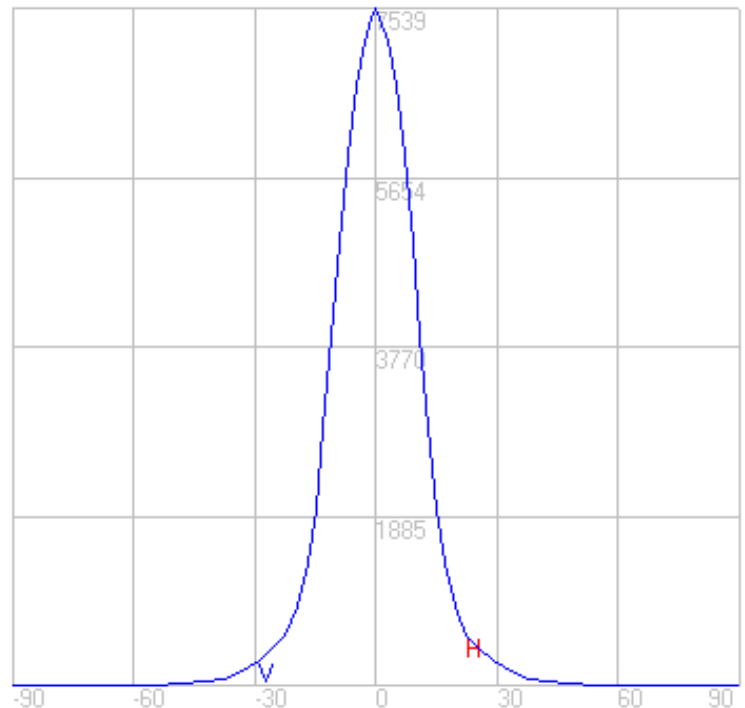
Zone	Lumens
0-10	565.58
10-20	577.75
20-30	205.44
30-40	80.40
40-50	24.26
50-60	7.94
60-70	2.76
70-80	1.32
80-90	1.20
90-100	0.23
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

110-120 0.00



Setback: 3 ft.

Grid Spacing: 5 ft.



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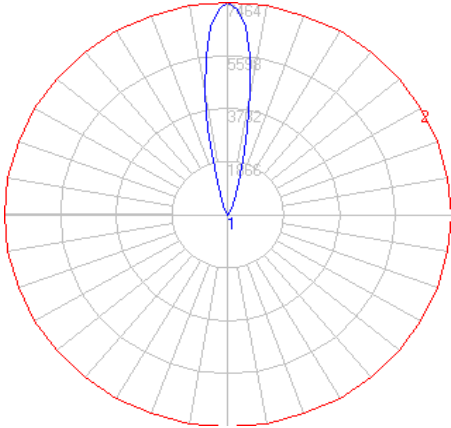
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BEGA

File: 84559K35_BEGA_IES.ies

TEST: 84559K4
TEST LAB: BEGA
DATE: 06/24/2020
LUMINAIRE: 84559K35
LAMP: 11.5W LED

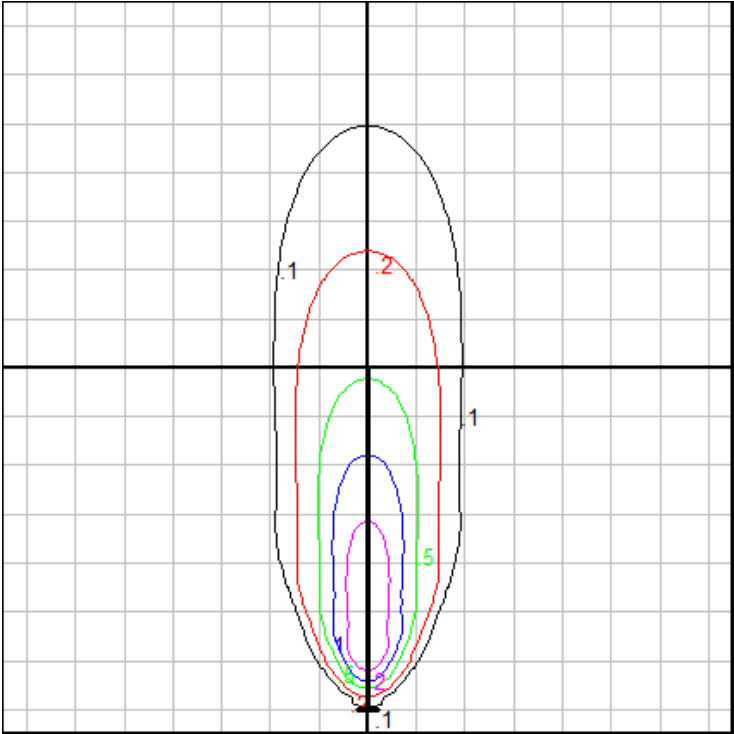


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	7463.709
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	22.5
Vertical Beam Angle (50%)	22.5
Horizontal Field Angle (10%)	41.2
Vertical Field Angle (10%)	41.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	643
Beam Efficiency	N.A.
Field Lumens	1130
Field Efficiency	N.A.
Spill Lumens	319
Luminaire Lumens	1449
Total Efficiency	N.A.
Total Luminaire Watts	13
Ballast Factor	1.00

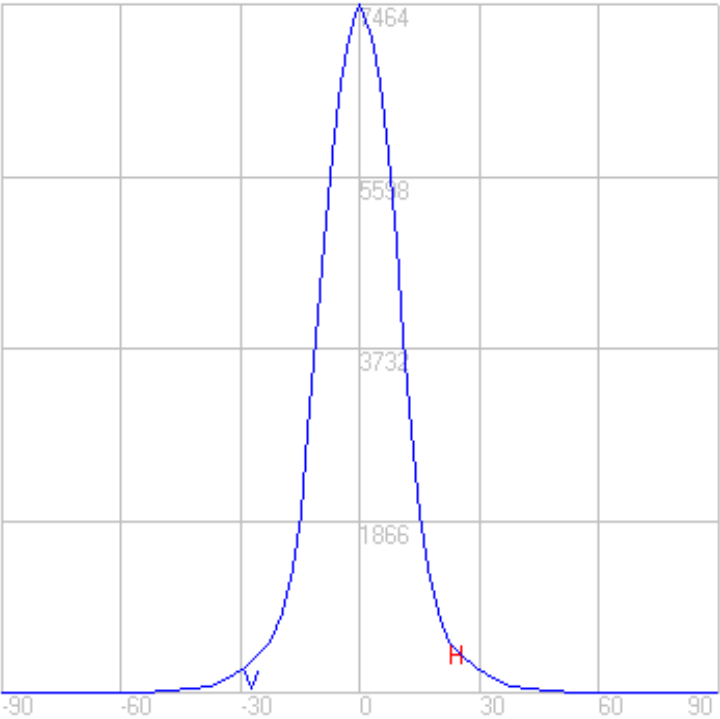
Zonal Lumen Summary

Zone	Lumens
0-10	559.93
10-20	571.97
20-30	203.39
30-40	79.60
40-50	24.02
50-60	7.86
60-70	2.73
70-80	1.31
80-90	1.19
90-100	0.23
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



Setback: 3 ft.

Grid Spacing: 5 ft.

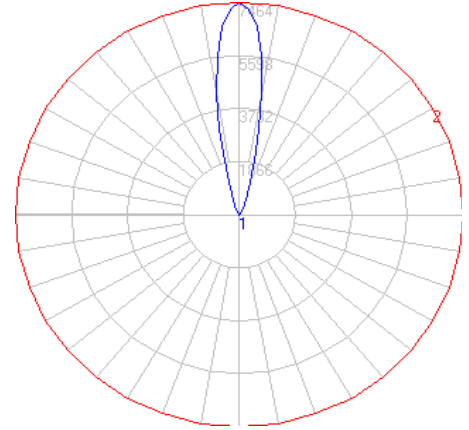


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 84559K3_BEGA_IES.ies

TEST: 84559K4
TEST LAB: BEGA
DATE: 06/24/2020
LUMINAIRE: 84559K3
LAMP: 11.5W LED

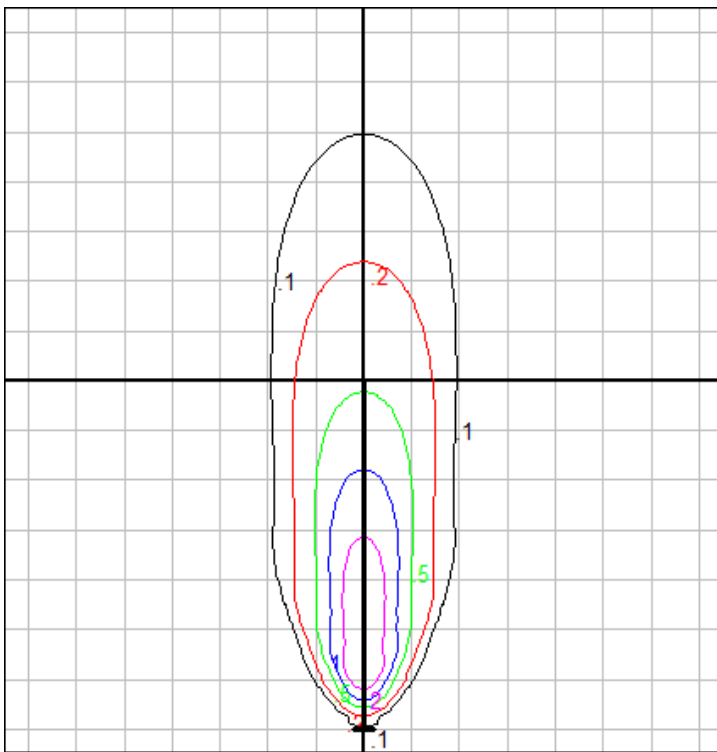


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	7463.709
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	22.5
Vertical Beam Angle (50%)	22.5
Horizontal Field Angle (10%)	41.2
Vertical Field Angle (10%)	41.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	643
Beam Efficiency	N.A.
Field Lumens	1130
Field Efficiency	N.A.
Spill Lumens	319
Luminaire Lumens	1449
Total Efficiency	N.A.
Total Luminaire Watts	13
Ballast Factor	1.00

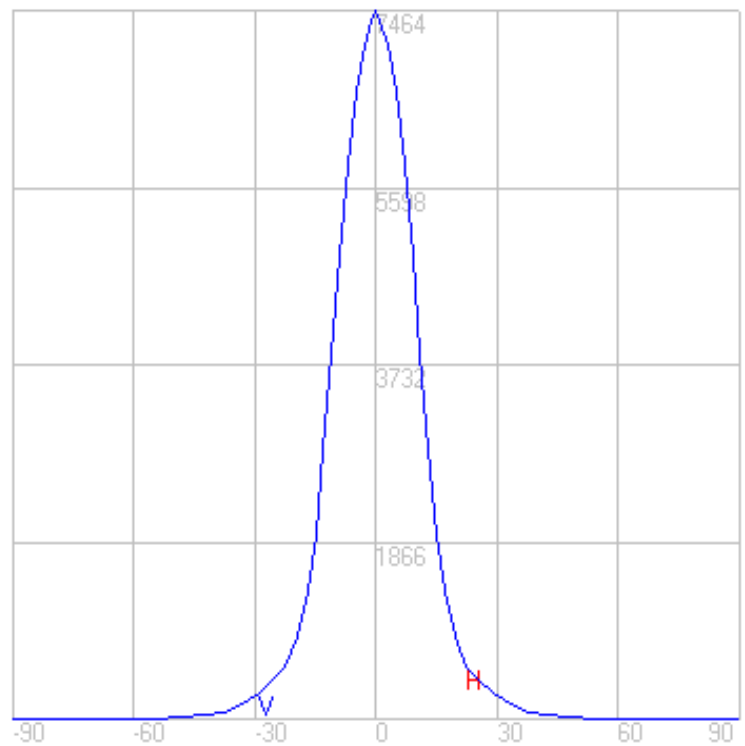
Zonal Lumen Summary

Zone	Lumens
0-10	559.93
10-20	571.97
20-30	203.39
30-40	79.60
40-50	24.02
50-60	7.86
60-70	2.73
70-80	1.31
80-90	1.19
90-100	0.23
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



Setback: 3 ft.

Grid Spacing: 5 ft.



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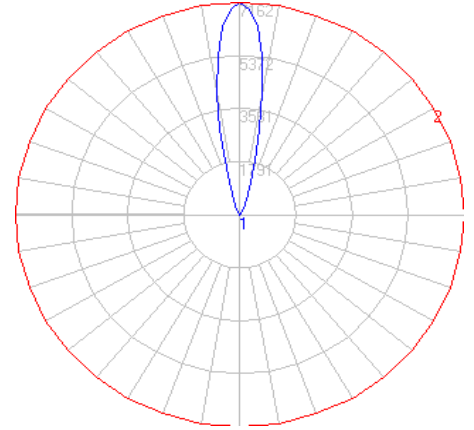
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BEGA

File: 84559K27_BEGA_IES.ies

TEST: 84559K27
TEST LAB: BEGA
DATE: 06/24/2020
LUMINAIRE: 84559K27
LAMP: 11.5W LED

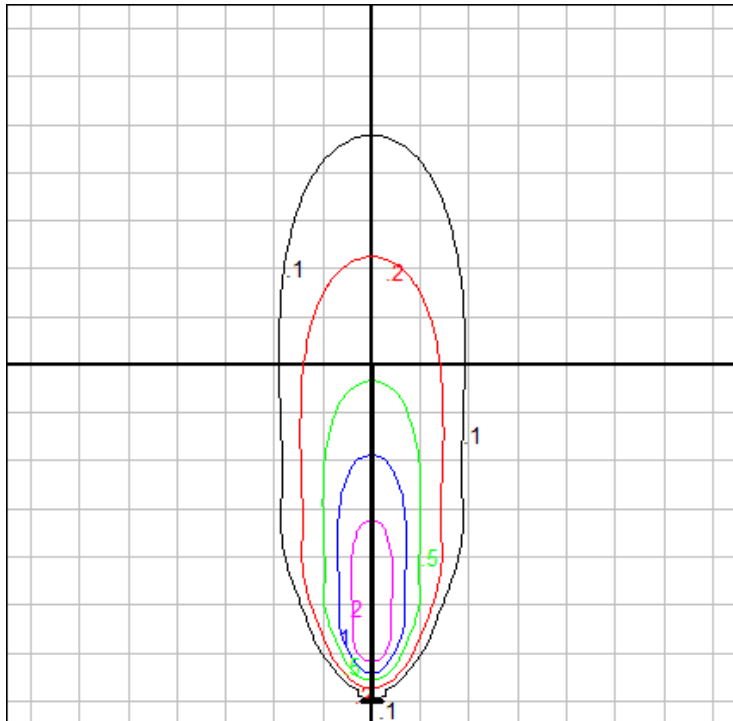


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	7162.145
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	22.5
Vertical Beam Angle (50%)	22.5
Horizontal Field Angle (10%)	41.2
Vertical Field Angle (10%)	41.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	617
Beam Efficiency	N.A.
Field Lumens	1084
Field Efficiency	N.A.
Spill Lumens	306
Luminaire Lumens	1390
Total Efficiency	N.A.
Total Luminaire Watts	13
Ballast Factor	1.00

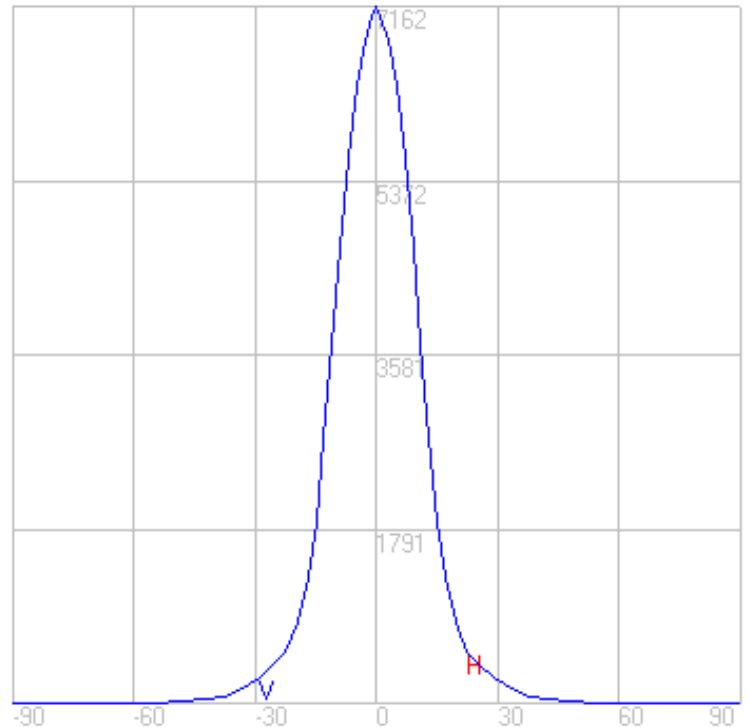
Zonal Lumen Summary

Zone	Lumens
0-10	537.31
10-20	548.86
20-30	195.17
30-40	76.38
40-50	23.05
50-60	7.55
60-70	2.62
70-80	1.26
80-90	1.14
90-100	0.22
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



Setback: 3 ft.

Grid Spacing: 5 ft.



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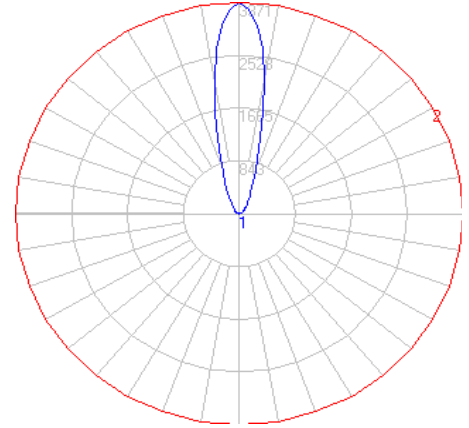
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BEGA

File: 84559RK4_BEGA_IES.ies

TEST: 84559RK4
TEST LAB: BEGA
DATE: 06/24/2020
LUMINAIRE: 84559K4 + Non Skid Lens
LAMP: 11.5W LED

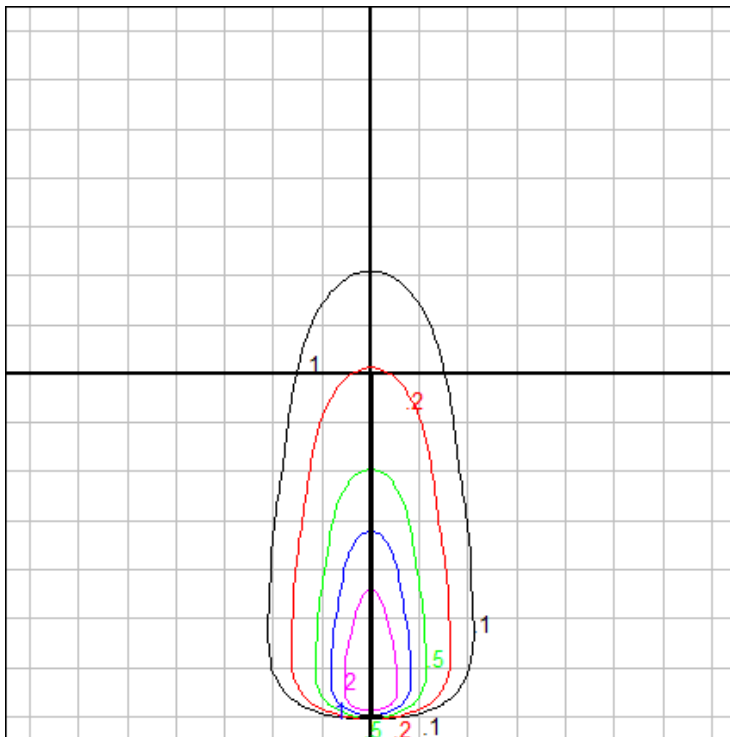


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	3370.7
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	25.0
Vertical Beam Angle (50%)	25.0
Horizontal Field Angle (10%)	57.9
Vertical Field Angle (10%)	57.9
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	356
Beam Efficiency	N.A.
Field Lumens	809
Field Efficiency	N.A.
Spill Lumens	415
Luminaire Lumens	1224
Total Efficiency	N.A.
Total Luminaire Watts	13
Ballast Factor	1.00

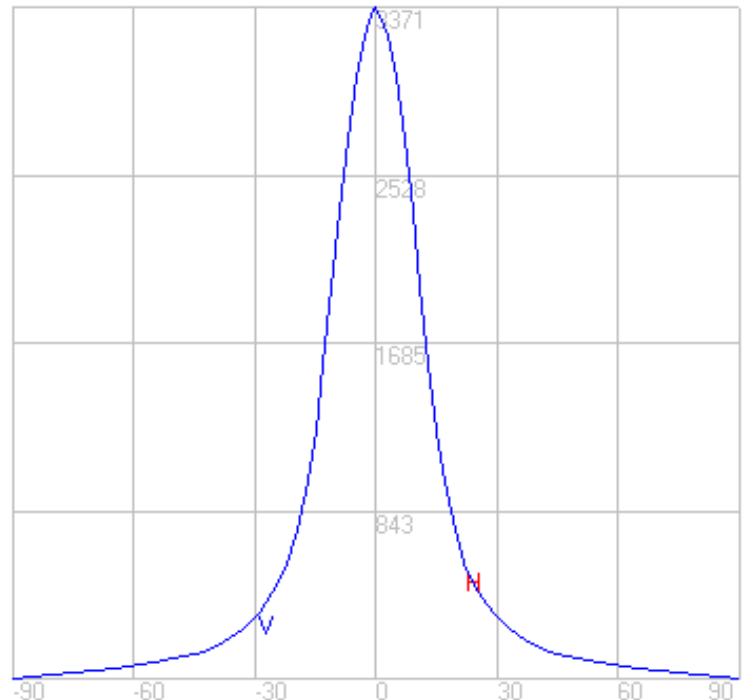
Zonal Lumen Summary

Zone	Lumens
0-10	261.00
10-20	352.58
20-30	212.68
30-40	137.34
40-50	95.53
50-60	71.66
60-70	52.30
70-80	31.88
80-90	10.75
90-100	0.05
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



Setback: 3 ft.

Grid Spacing: 5 ft.



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