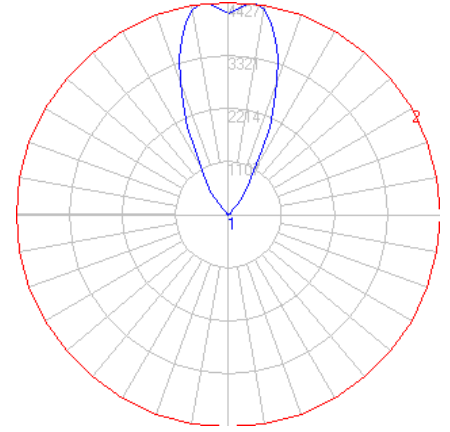


BEGA

File: 84900K4_BEGA_IES.ies

TEST: BE_84900K4
TEST LAB: BEGA
DATE: 06/24/2021
LUMINAIRE: 84900K4
LAMP: 29.7W LED

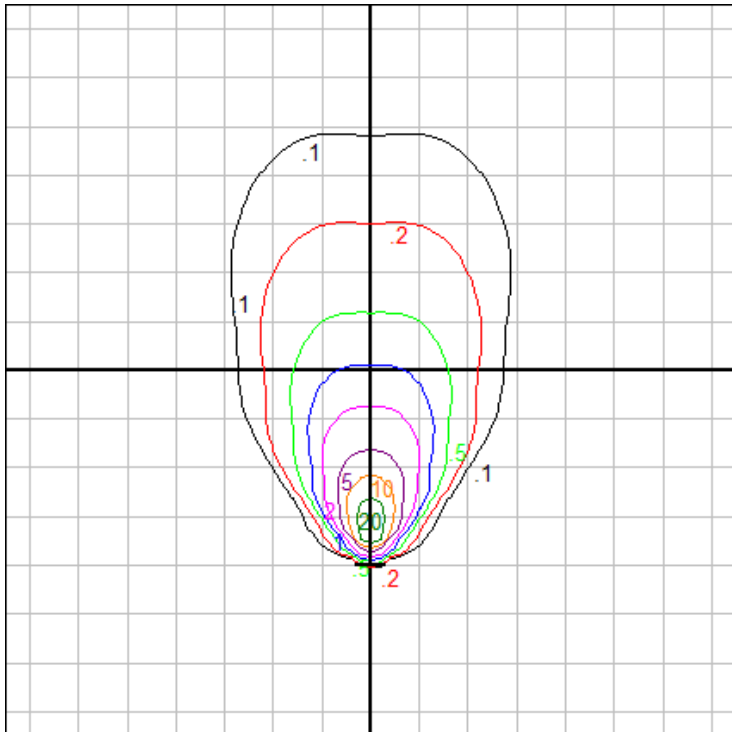


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	4423.4
Maximum Candela Angle	-7 H -3 V
Horizontal Beam Angle (50%)	46.0
Vertical Beam Angle (50%)	47.6
Horizontal Field Angle (10%)	78.2
Vertical Field Angle (10%)	79.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1808
Beam Efficiency	N.A.
Field Lumens	2768
Field Efficiency	N.A.
Spill Lumens	236
Luminaire Lumens	3004
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

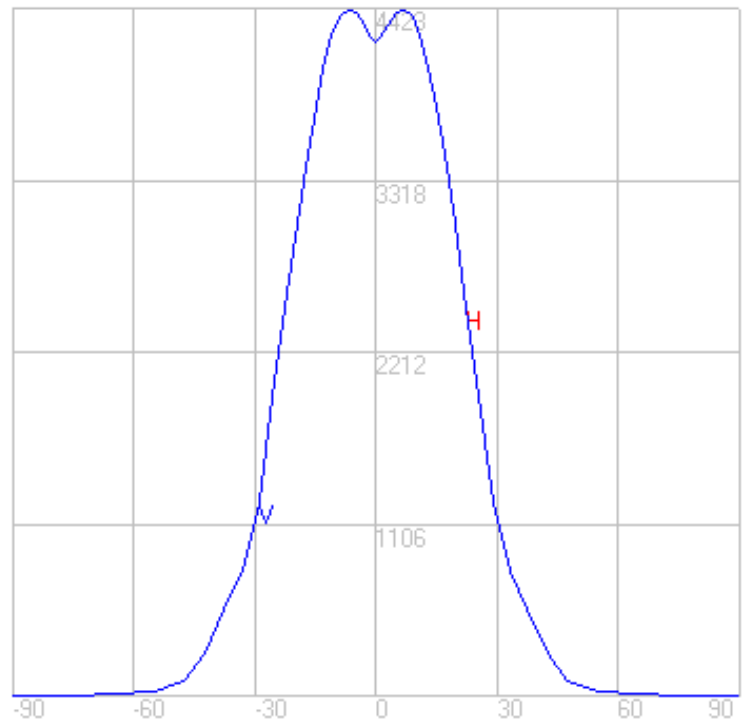
Zonal Lumen Summary

Zone	Lumens
0-10	417.97
10-20	1041.49
20-30	905.26
30-40	438.24
40-50	145.41
50-60	31.85
60-70	14.37
70-80	2.82
80-90	0.15
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



Setback Distance: 2 ft.

Grid Spacing: 5 ft.

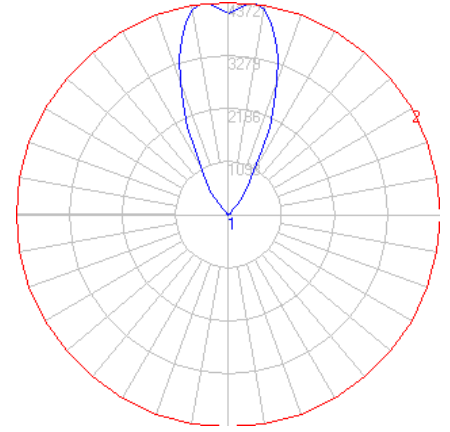


In the interest of product improvement, BEGA reserves the right to make technical changes without notice.

BEGA

File: 84900K35_BEGA_IES.ies

TEST: BE_84900K4
TEST LAB: BEGA
DATE: 06/24/2021
LUMINAIRE: 84900K35
LAMP: 29.7W LED

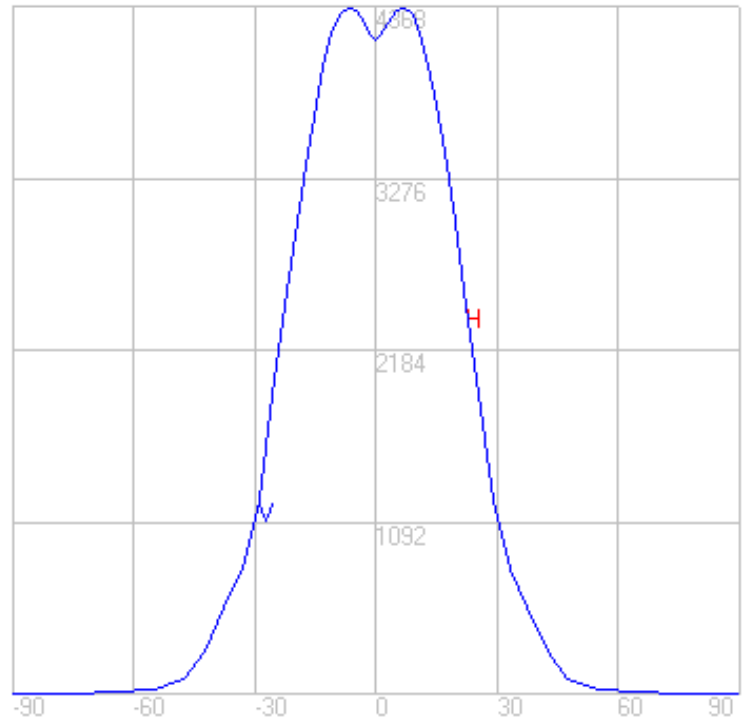
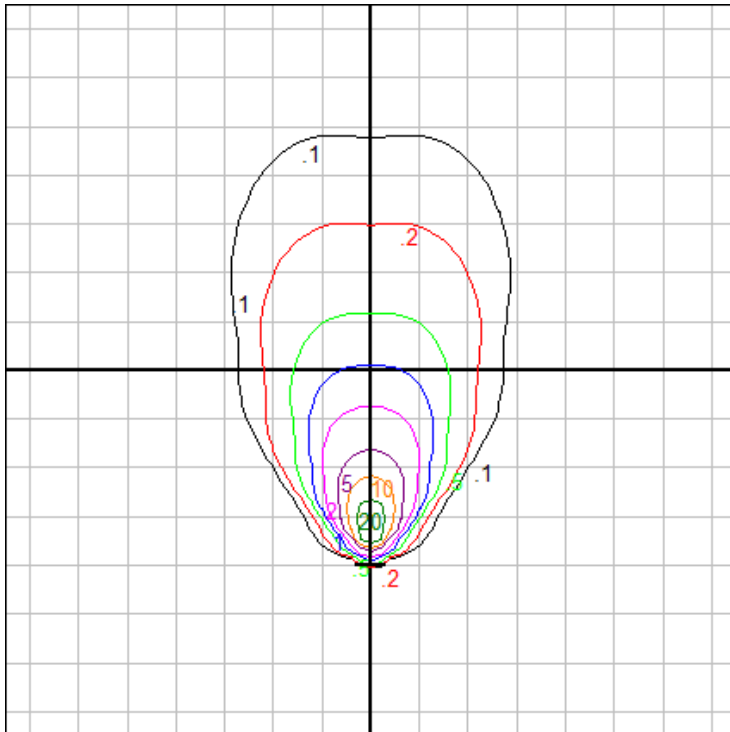


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	4368.124
Maximum Candela Angle	-7 H -1 V
Horizontal Beam Angle (50%)	46.0
Vertical Beam Angle (50%)	48.0
Horizontal Field Angle (10%)	78.2
Vertical Field Angle (10%)	79.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1785
Beam Efficiency	N.A.
Field Lumens	2734
Field Efficiency	N.A.
Spill Lumens	233
Luminaire Lumens	2967
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	412.75
10-20	1028.47
20-30	893.94
30-40	432.76
40-50	143.59
50-60	31.46
60-70	14.19
70-80	2.78
80-90	0.15
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



Setback Distance: 2 ft.

Grid Spacing: 5 ft.

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

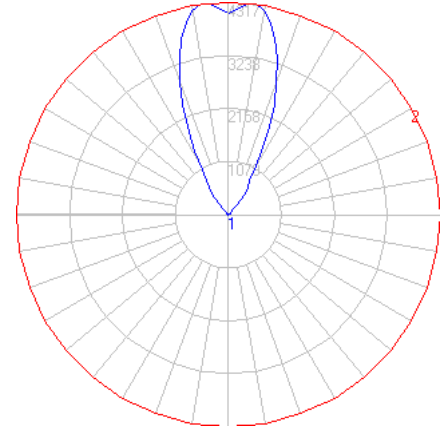
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BEGA

File: 84900K3_BEGA_IES.ies

TEST: BE_84900K4
TEST LAB: BEGA
DATE: 06/24/2021
LUMINAIRE: 84900K3
LAMP: 29.7W LED

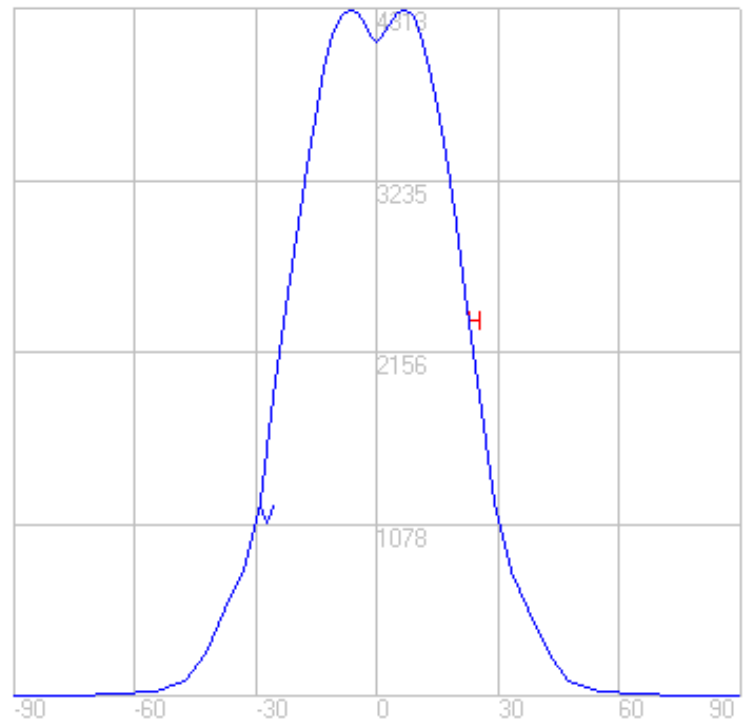
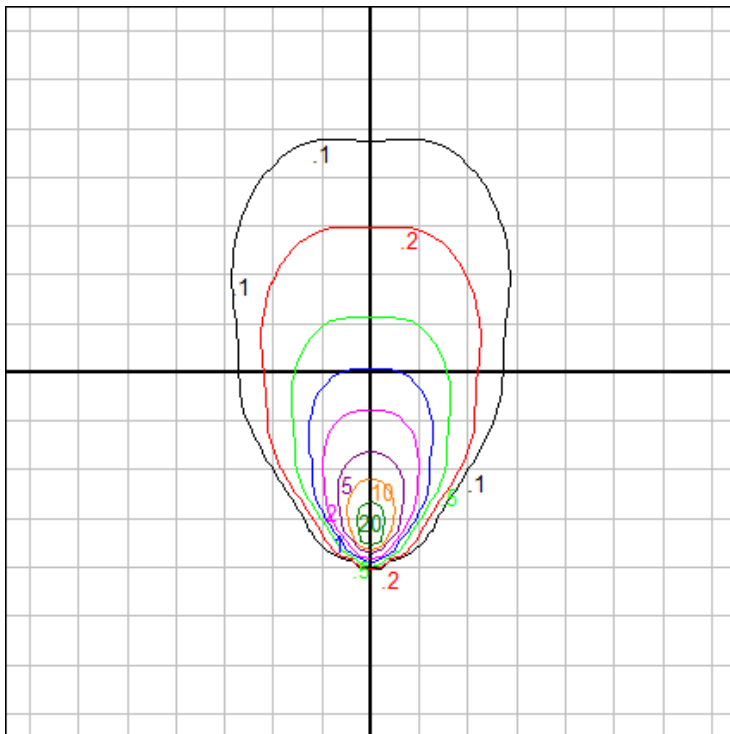


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	4312.831
Maximum Candela Angle	-7 H -1 V
Horizontal Beam Angle (50%)	46.0
Vertical Beam Angle (50%)	48.0
Horizontal Field Angle (10%)	78.2
Vertical Field Angle (10%)	79.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1763
Beam Efficiency	N.A.
Field Lumens	2699
Field Efficiency	N.A.
Spill Lumens	230
Luminaire Lumens	2929
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	407.52
10-20	1015.45
20-30	882.63
30-40	427.28
40-50	141.77
50-60	31.06
60-70	14.01
70-80	2.75
80-90	0.15
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



Setback Distance: 2 ft.

Grid Spacing: 5 ft.

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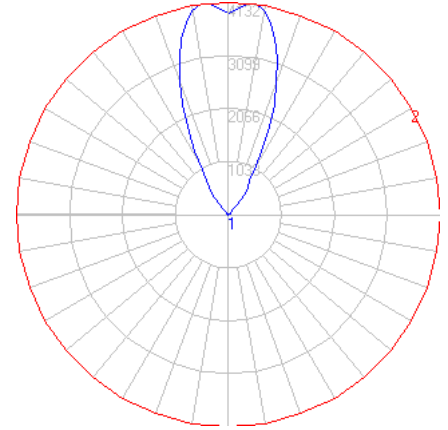
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BEGA

File: 84900K27_BEGA_IES.ies

TEST: BE_84900K4
TEST LAB: BEGA
DATE: 06/24/2021
LUMINAIRE: 84900K27
LAMP: 29.7W LED

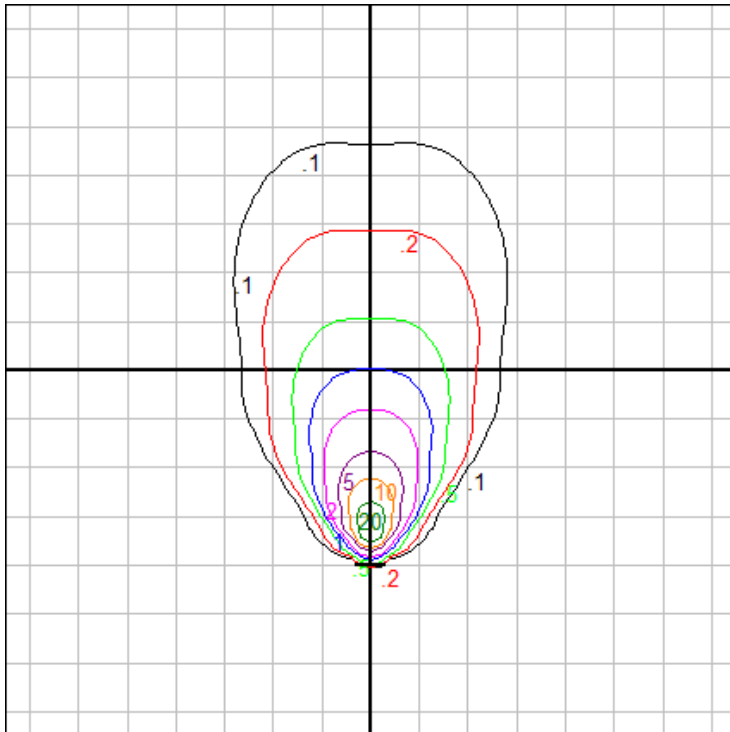


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	4128.375
Maximum Candela Angle	-7 H -1 V
Horizontal Beam Angle (50%)	46.0
Vertical Beam Angle (50%)	48.0
Horizontal Field Angle (10%)	78.2
Vertical Field Angle (10%)	79.1
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1687
Beam Efficiency	N.A.
Field Lumens	2584
Field Efficiency	N.A.
Spill Lumens	220
Luminaire Lumens	2804
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

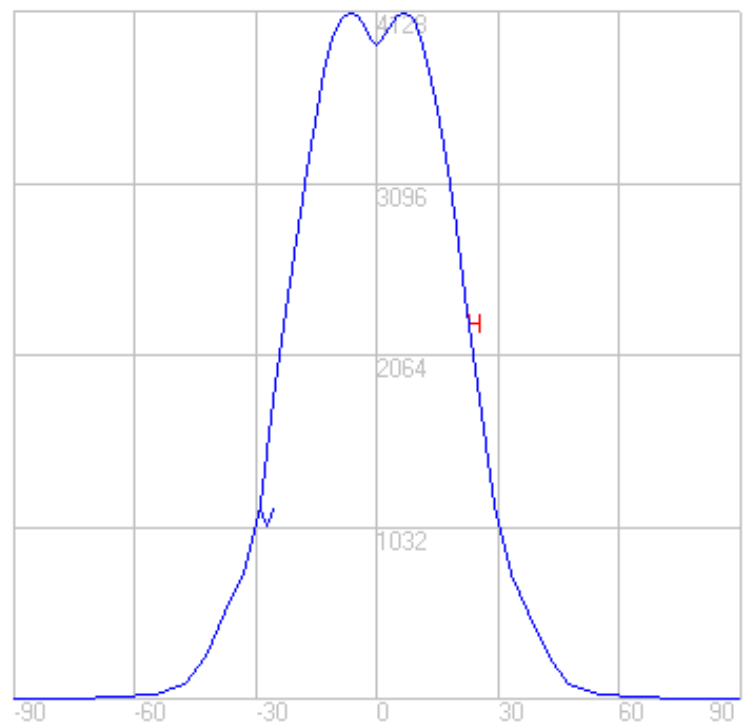
Zonal Lumen Summary

Zone	Lumens
0-10	390.09
10-20	972.02
20-30	844.87
30-40	409.00
40-50	135.71
50-60	29.73
60-70	13.42
70-80	2.63
80-90	0.14
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



Setback Distance: 2 ft.

Grid Spacing: 5 ft.



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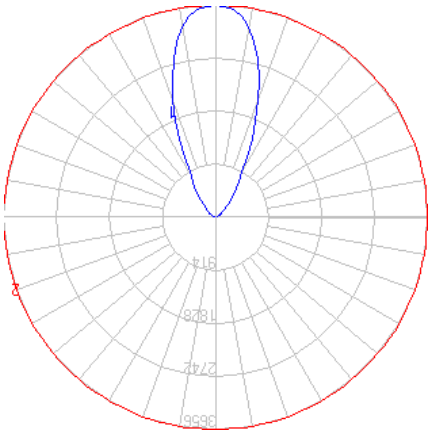
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BEGA

File: 84900K4_13608_BEGA_IES.ies

TEST: BE_84900K4_0deg_13608
TEST LAB: BEGA
DATE: 06/24/2021
LUMINAIRE: 84900K4 + 13608 Spread Lens
LAMP: 29.7W LED

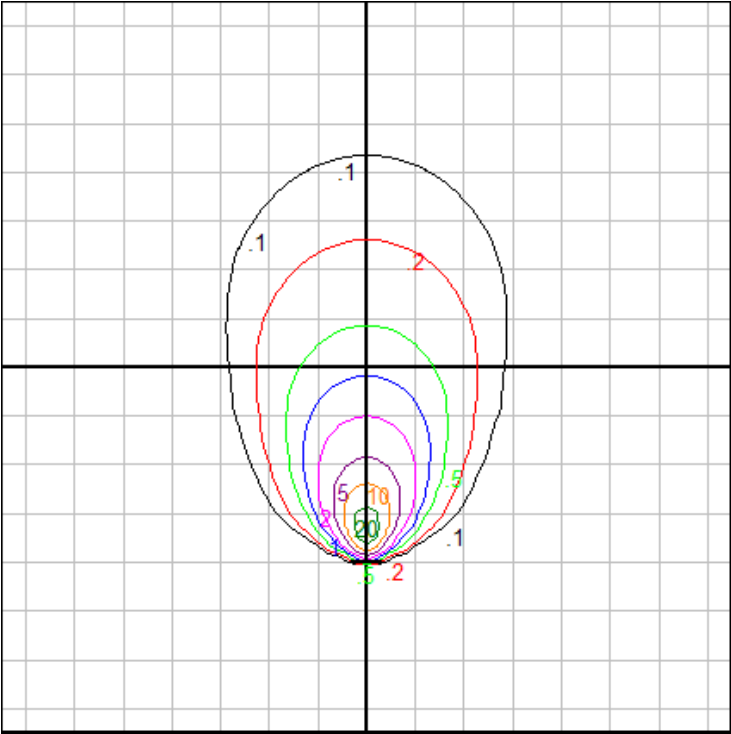


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	3656.4
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	49.7
Vertical Beam Angle (50%)	44.7
Horizontal Field Angle (10%)	87.5
Vertical Field Angle (10%)	82.5
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1454
Beam Efficiency	N.A.
Field Lumens	2411
Field Efficiency	N.A.
Spill Lumens	296
Luminaire Lumens	2707
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

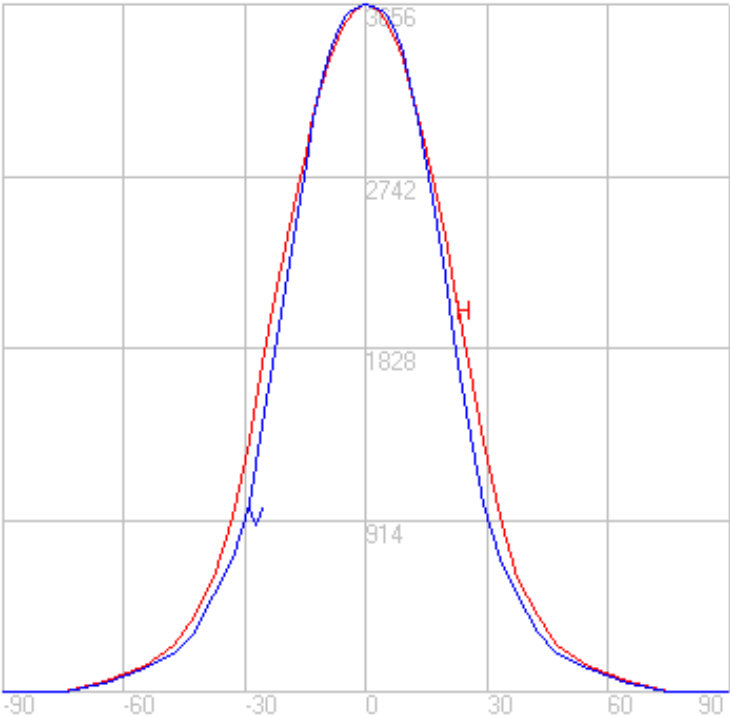
Zonal Lumen Summary

Zone	Lumens
0-10	334.38
10-20	790.55
20-30	759.93
30-40	452.17
40-50	220.56
50-60	95.72
60-70	38.82
70-80	6.35
80-90	1.37
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 Distance: 2ft.

Grid Spacing: 5 ft.



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