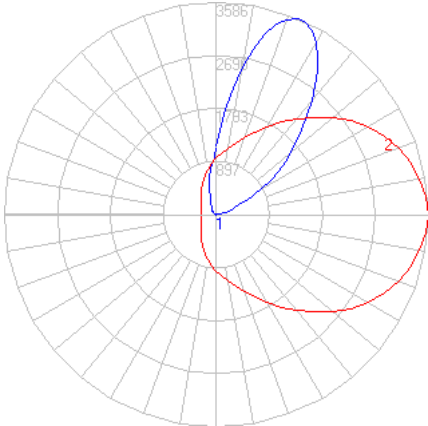


BEGA

TEST: BE_84456K4
TEST LAB: BEGA
DATE: 12/12/2019
LUMINAIRE: 84 456K4
LAMP: 28.7W LED

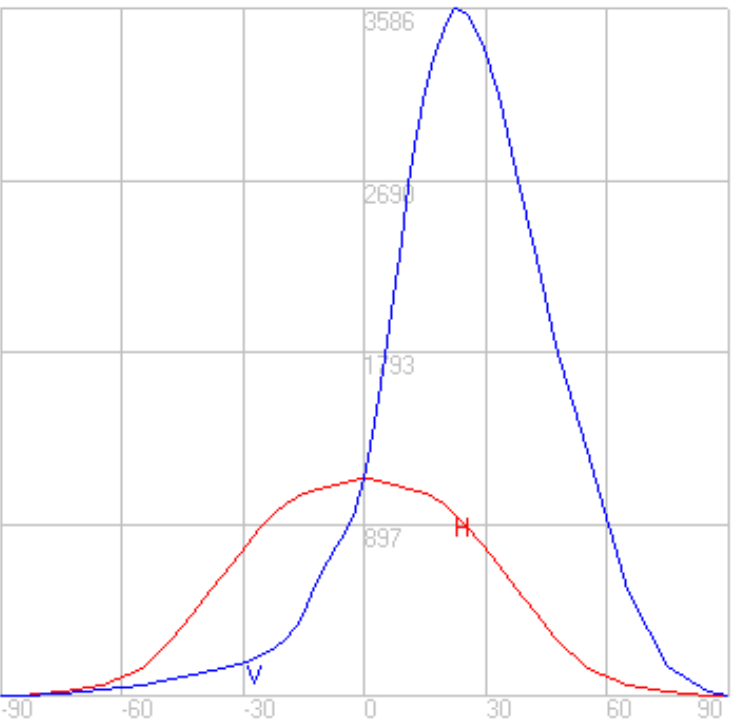
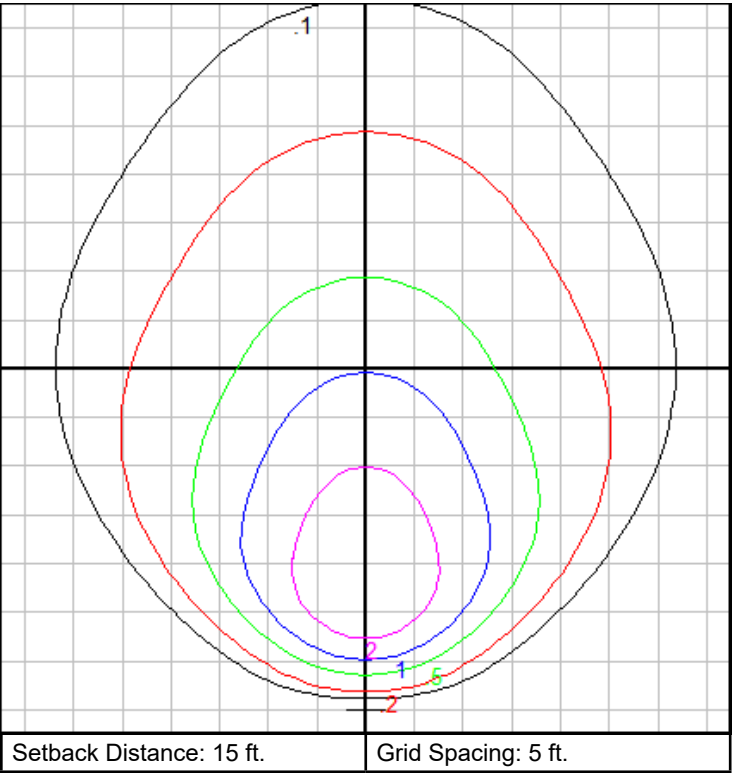


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	3586.4
Maximum Candela Angle	0 H 22.5 V
Horizontal Beam Angle (50%)	47.5
Vertical Beam Angle (50%)	42.9
Horizontal Field Angle (10%)	99.9
Vertical Field Angle (10%)	87.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1241
Beam Efficiency	N.A.
Field Lumens	2571
Field Efficiency	N.A.
Spill Lumens	363
Luminaire Lumens	2934
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

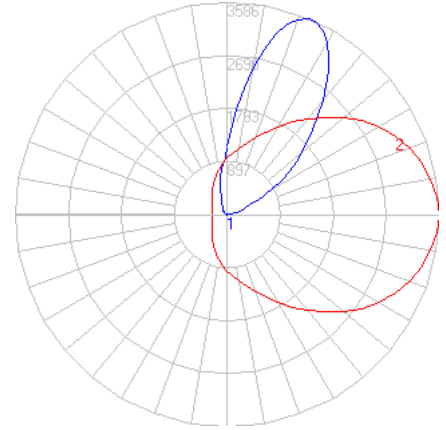
Zonal Lumen Summary

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	0.00
80-90	0.00
90-100	8.69
100-110	52.05
110-120	165.03
120-130	361.70
130-140	547.50
140-150	651.96
150-160	613.82
160-170	401.88
170-180	120.57



BEGA

TEST: BE_84456K4
 TEST LAB: BEGA
 DATE: 12/12/2019
 LUMINAIRE: 84 456K35
 LAMP: 28.7W LED

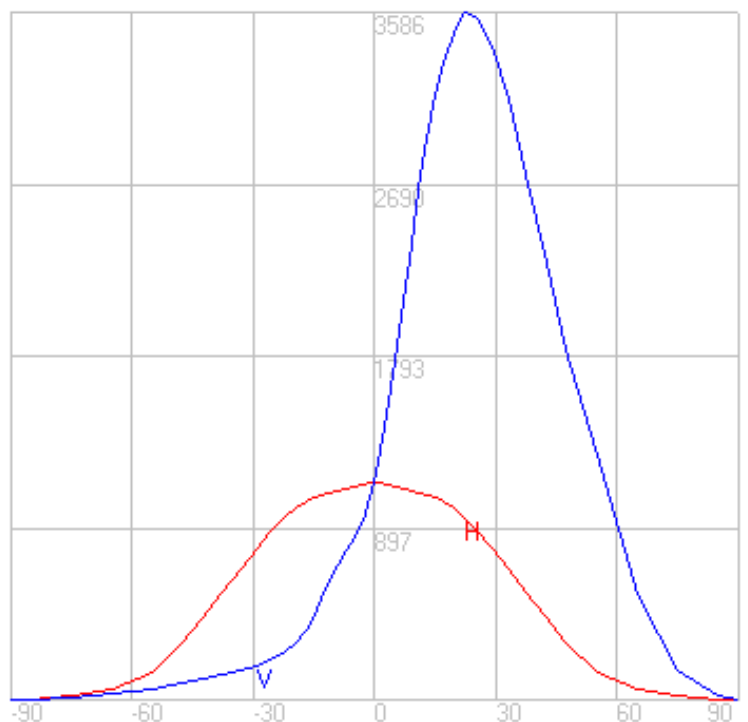
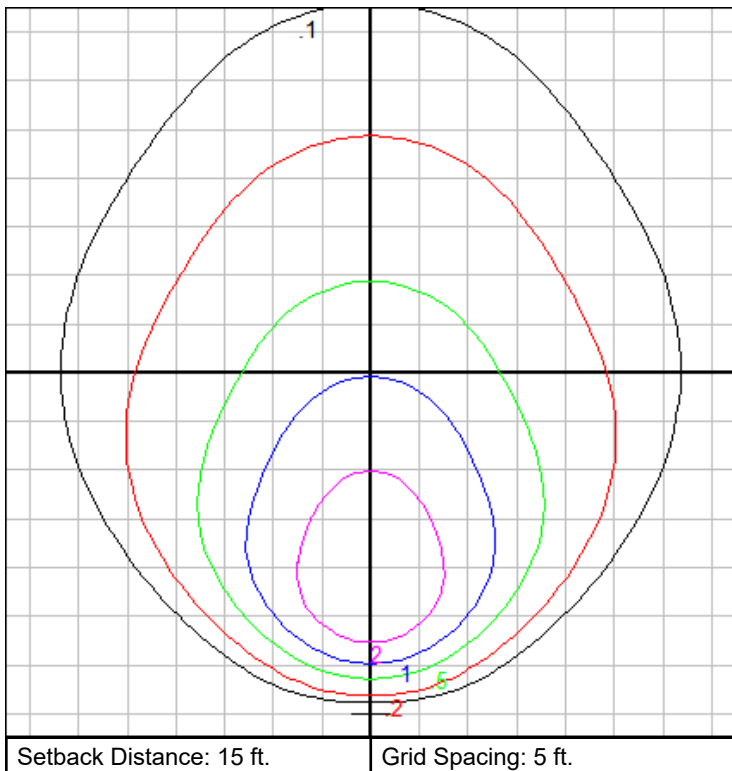


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	3586.4
Maximum Candela Angle	0 H 22.5 V
Horizontal Beam Angle (50%)	47.5
Vertical Beam Angle (50%)	42.9
Horizontal Field Angle (10%)	99.9
Vertical Field Angle (10%)	87.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1241
Beam Efficiency	N.A.
Field Lumens	2571
Field Efficiency	N.A.
Spill Lumens	363
Luminaire Lumens	2934
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

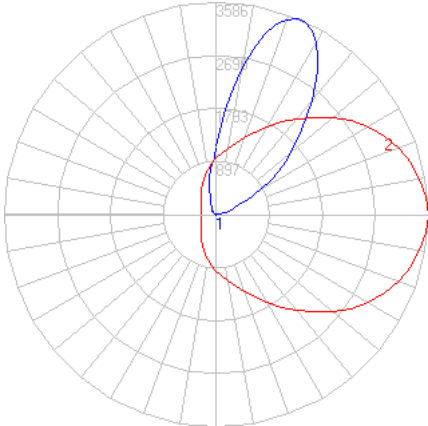
Zonal Lumen Summary

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	0.00
80-90	0.00
90-100	8.69
100-110	52.05
110-120	165.03
120-130	361.70
130-140	547.50
140-150	651.96
150-160	613.82
160-170	401.88
170-180	120.57



BEGA

TEST: BE_84456K4
TEST LAB: BEGA
DATE: 12/12/2019
LUMINAIRE: 84 456K3
LAMP: 28.7W LED

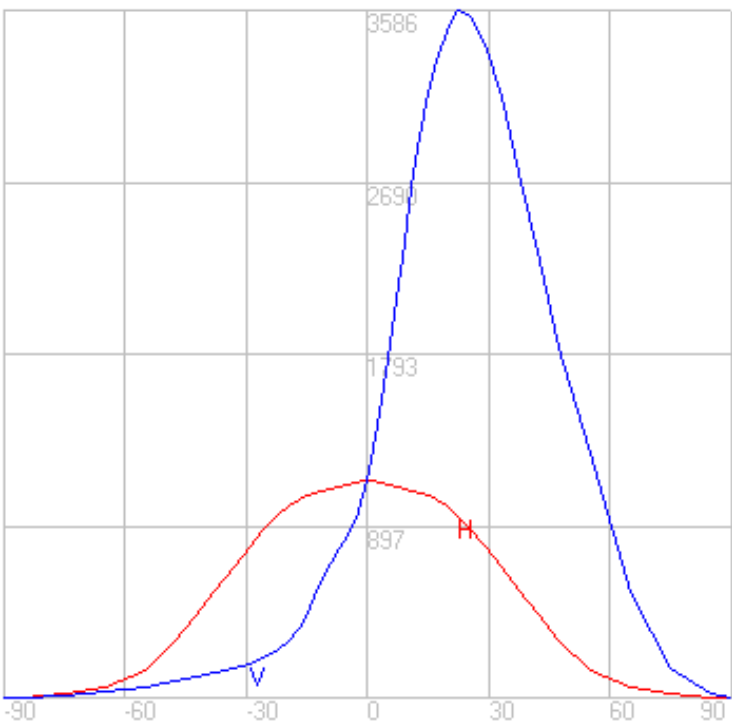
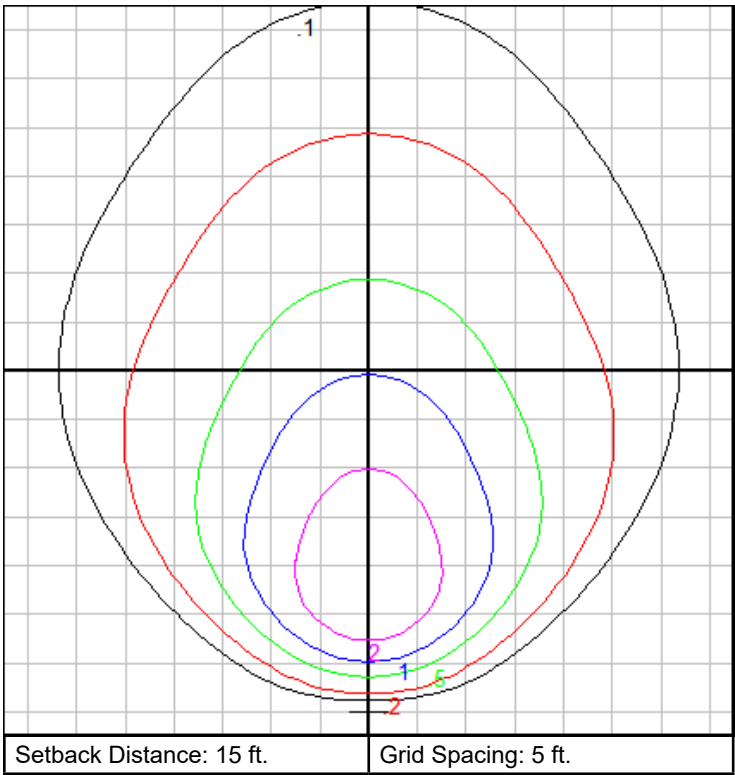


Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	3586.4
Maximum Candela Angle	0 H 22.5 V
Horizontal Beam Angle (50%)	47.5
Vertical Beam Angle (50%)	42.9
Horizontal Field Angle (10%)	99.9
Vertical Field Angle (10%)	87.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1241
Beam Efficiency	N.A.
Field Lumens	2571
Field Efficiency	N.A.
Spill Lumens	363
Luminaire Lumens	2934
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

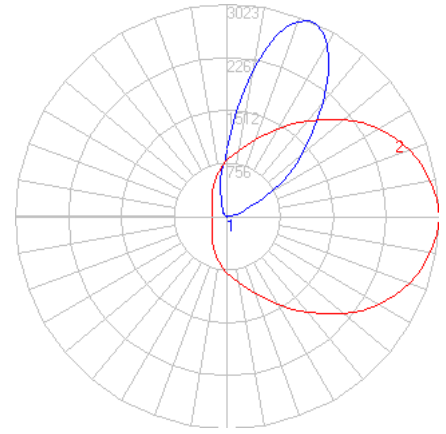
Zonal Lumen Summary

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	0.00
80-90	0.00
90-100	8.69
100-110	52.05
110-120	165.03
120-130	361.70
130-140	547.50
140-150	651.96
150-160	613.82
160-170	401.88
170-180	120.57



BEGA

TEST: BE_84456K4
 TEST LAB: BEGA
 DATE: 12/12/2019
 LUMINAIRE: 84 456K27
 LAMP: 28.7W LED



Characteristics

NEMA Type	5 H x 5 V
Maximum Candela	3023.246
Maximum Candela Angle	0 H 22.5 V
Horizontal Beam Angle (50%)	47.5
Vertical Beam Angle (50%)	42.9
Horizontal Field Angle (10%)	99.9
Vertical Field Angle (10%)	87.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1047
Beam Efficiency	N.A.
Field Lumens	2167
Field Efficiency	N.A.
Spill Lumens	306
Luminaire Lumens	2473
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

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	0.00
80-90	0.00
90-100	7.32
100-110	43.88
110-120	139.12
120-130	304.91
130-140	461.53
140-150	549.58
150-160	517.44
160-170	338.78
170-180	101.64

