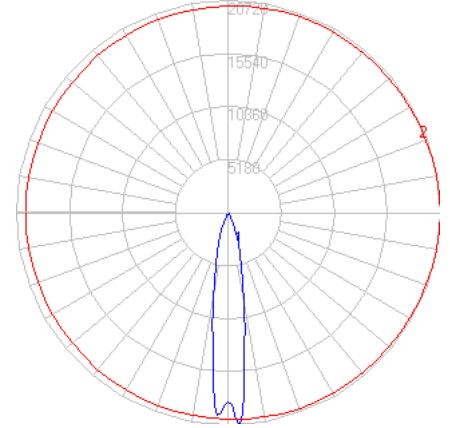


BEGA

File: 84457K4_BEGA_IES.ies

TEST: L092112303
 TEST LAB: LIGHT LABORATORY, INC.
 DATE: 10/3/2021
 LUMINAIRE: 84 457K4
 LAMP: 28.2W LED

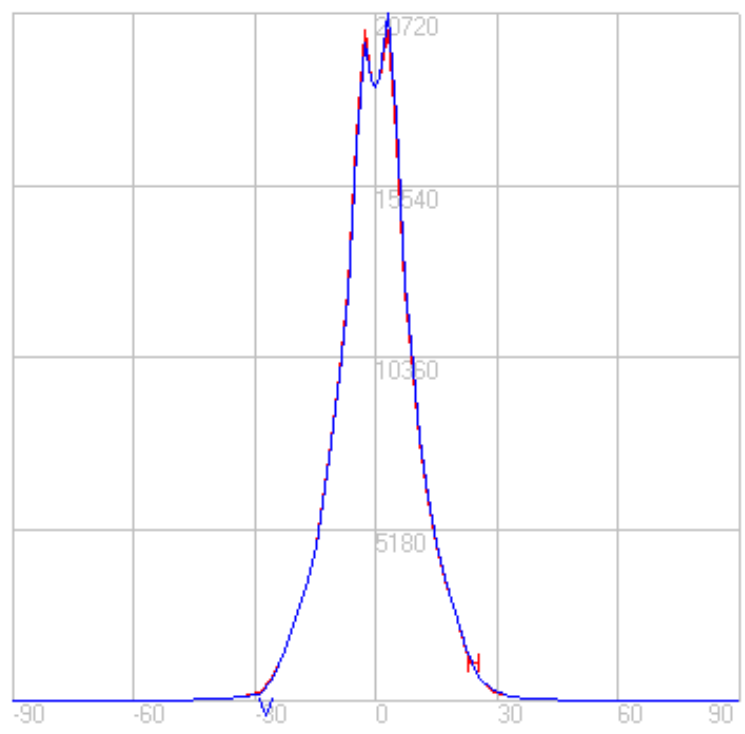
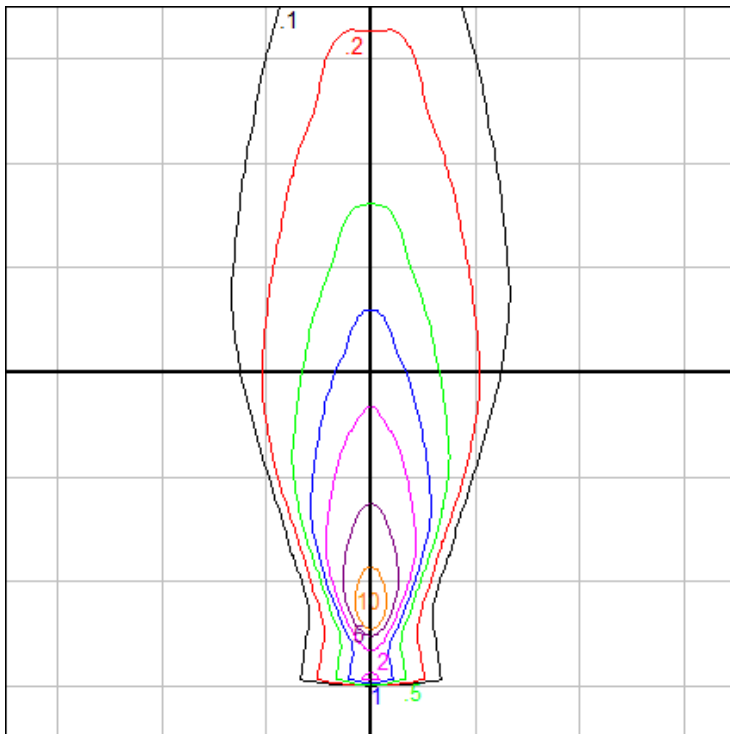


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	20720
Maximum Candela Angle	0 H 3 V
Horizontal Beam Angle (50%)	16.5
Vertical Beam Angle (50%)	17.3
Horizontal Field Angle (10%)	41.8
Vertical Field Angle (10%)	42.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1085
Beam Efficiency	N.A.
Field Lumens	2695
Field Efficiency	N.A.
Spill Lumens	517
Luminaire Lumens	3211
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	1295.97
10-20	1331.8
20-30	430.18
30-40	58.09
40-50	24.05
50-60	19.60
60-70	17.31
70-80	16.66
80-90	12.26
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: 2.5 ft.

Grid Spacing: 10 ft.

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

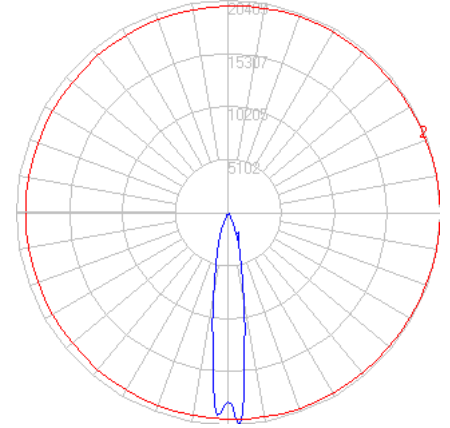
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File: 84457K35_BEGA_IES.ies

TEST: L092112303
 TEST LAB: LIGHT LABORATORY, INC.
 DATE: 10/3/2021
 LUMINAIRE: 84 457K35
 LAMP: 28.2W LED

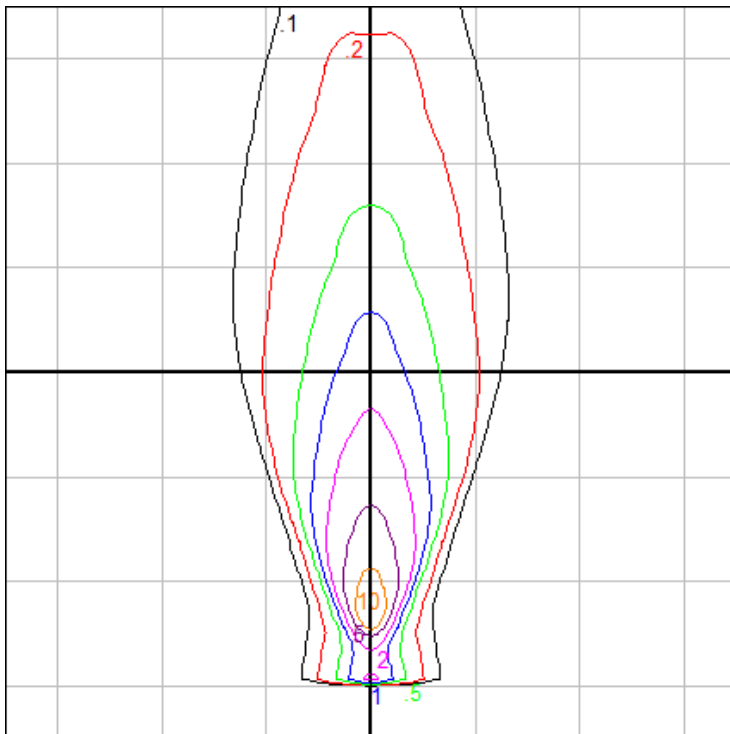


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	20409.2
Maximum Candela Angle	0 H 3 V
Horizontal Beam Angle (50%)	16.5
Vertical Beam Angle (50%)	17.3
Horizontal Field Angle (10%)	41.8
Vertical Field Angle (10%)	42.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1069
Beam Efficiency	N.A.
Field Lumens	2654
Field Efficiency	N.A.
Spill Lumens	509
Luminaire Lumens	3163
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

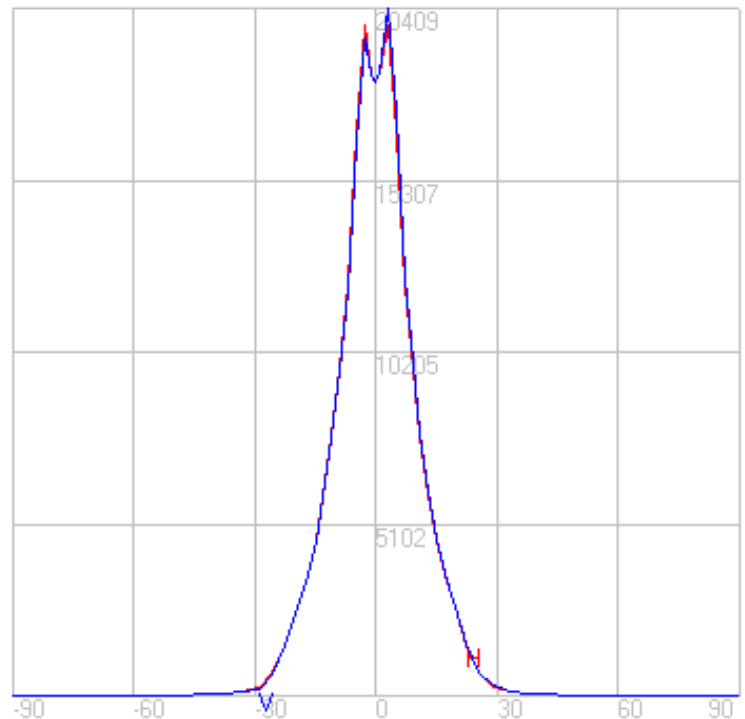
Zonal Lumen Summary

Zone	Lumens
0-10	1276.53
10-20	1311.82
20-30	423.72
30-40	57.21
40-50	23.69
50-60	19.31
60-70	17.05
70-80	16.41
80-90	12.07
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: 2.5 ft.

Grid Spacing: 10 ft.



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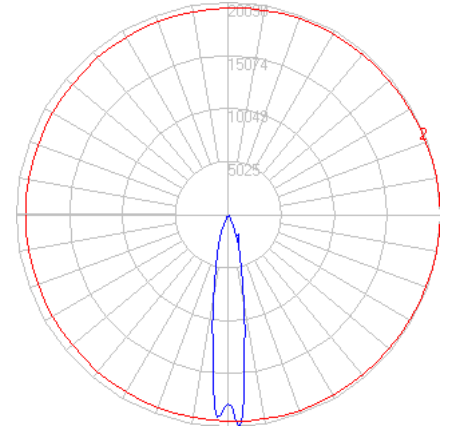
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BEGA

File: 84457K3_BEGA_IES.ies

TEST: L092112303
 TEST LAB: LIGHT LABORATORY, INC.
 DATE: 10/3/2021
 LUMINAIRE: 84 457K3
 LAMP: 28.2W LED

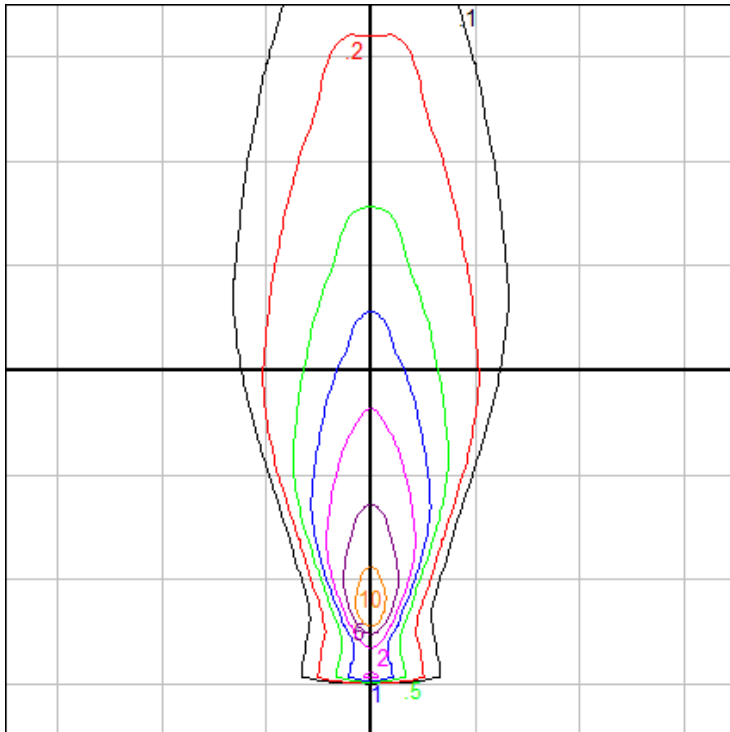


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	20098.401
Maximum Candela Angle	0 H 3 V
Horizontal Beam Angle (50%)	16.5
Vertical Beam Angle (50%)	17.3
Horizontal Field Angle (10%)	41.8
Vertical Field Angle (10%)	42.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	1053
Beam Efficiency	N.A.
Field Lumens	2614
Field Efficiency	N.A.
Spill Lumens	501
Luminaire Lumens	3115
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

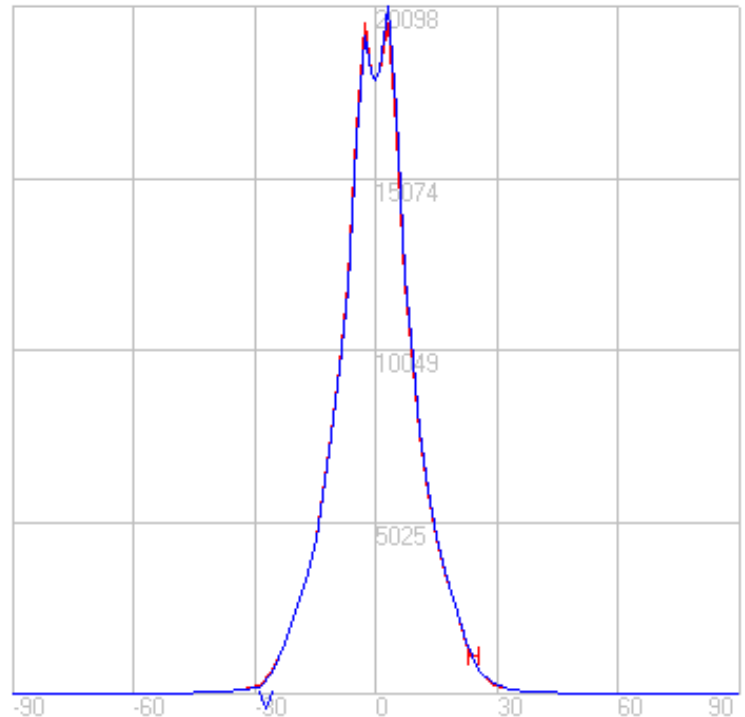
Zonal Lumen Summary

Zone	Lumens
0-10	1257.1
10-20	1291.84
20-30	417.27
30-40	56.34
40-50	23.33
50-60	19.01
60-70	16.79
70-80	16.16
80-90	11.89
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: 2.5 ft.

Grid Spacing: 10 ft.



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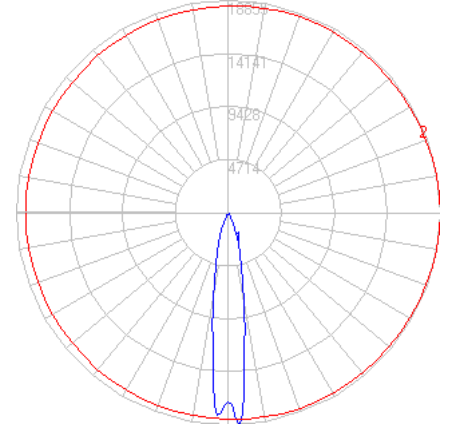
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BEGA

File: 84457K27_BEGA_IES.ies

TEST: L092112303
 TEST LAB: LIGHT LABORATORY, INC.
 DATE: 10/3/2021
 LUMINAIRE: 84 457K27
 LAMP: 28.2W LED

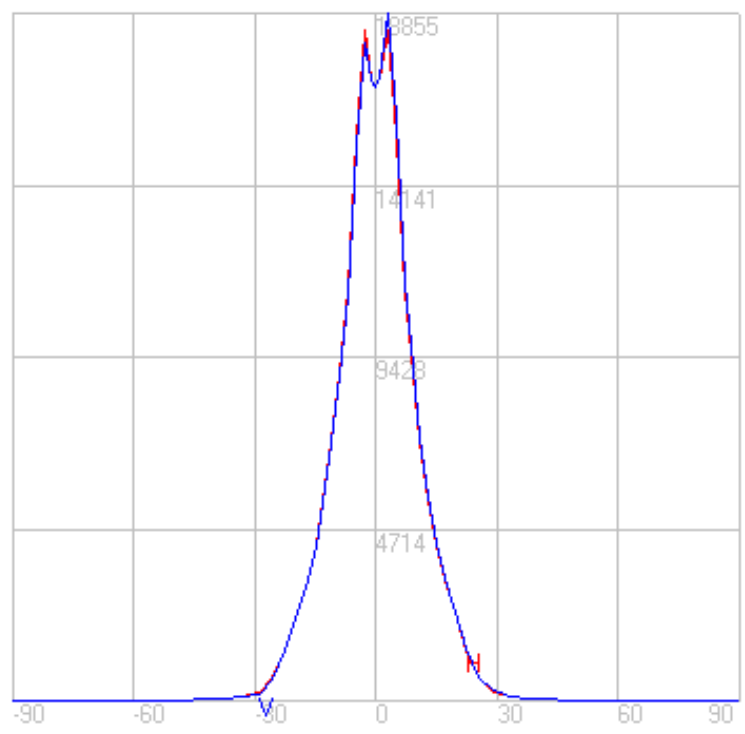
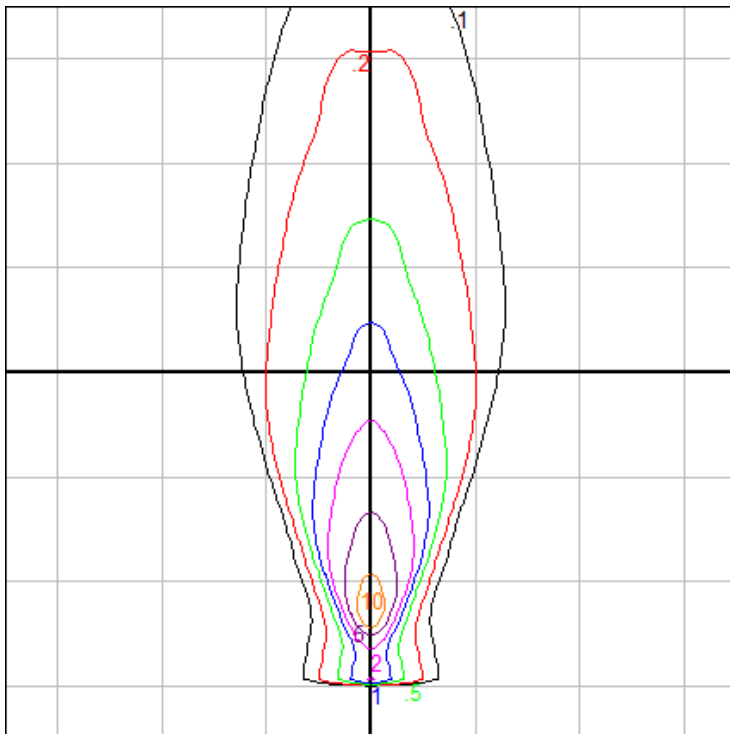


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	18855.201
Maximum Candela Angle	0 H 3 V
Horizontal Beam Angle (50%)	16.5
Vertical Beam Angle (50%)	17.3
Horizontal Field Angle (10%)	41.8
Vertical Field Angle (10%)	42.3
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	987
Beam Efficiency	N.A.
Field Lumens	2452
Field Efficiency	N.A.
Spill Lumens	470
Luminaire Lumens	2922
Total Efficiency	N.A.
Total Luminaire Watts	34
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	1179.34
10-20	1211.93
20-30	391.46
30-40	52.86
40-50	21.89
50-60	17.84
60-70	15.76
70-80	15.16
80-90	11.16
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: 2.5 ft.

Grid Spacing: 10 ft.

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