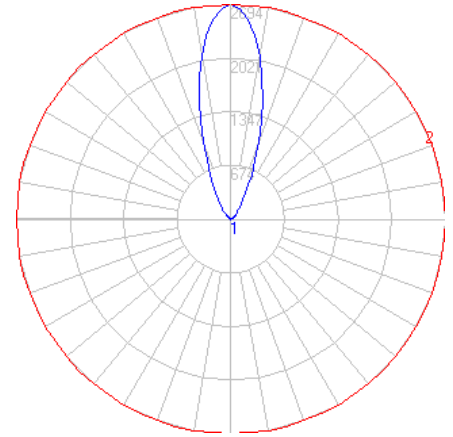


BEGA

Photometric Filename: 84159K4.IES

TEST: BE_84159K4
 TEST LAB: BEGA
 DATE: 8/31/2019
 LUMINAIRE: 84159K4
 LAMP: 15.8W LED

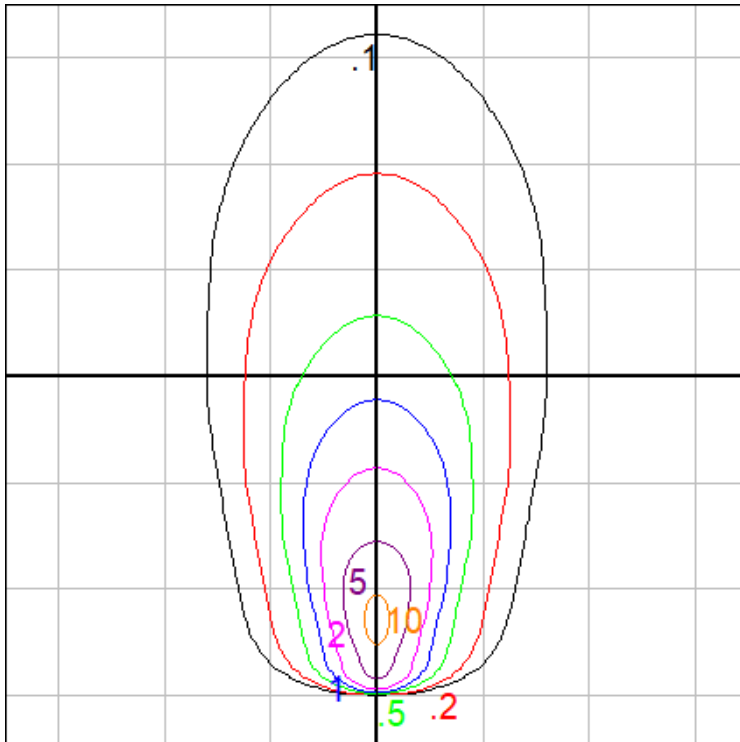


Characteristics

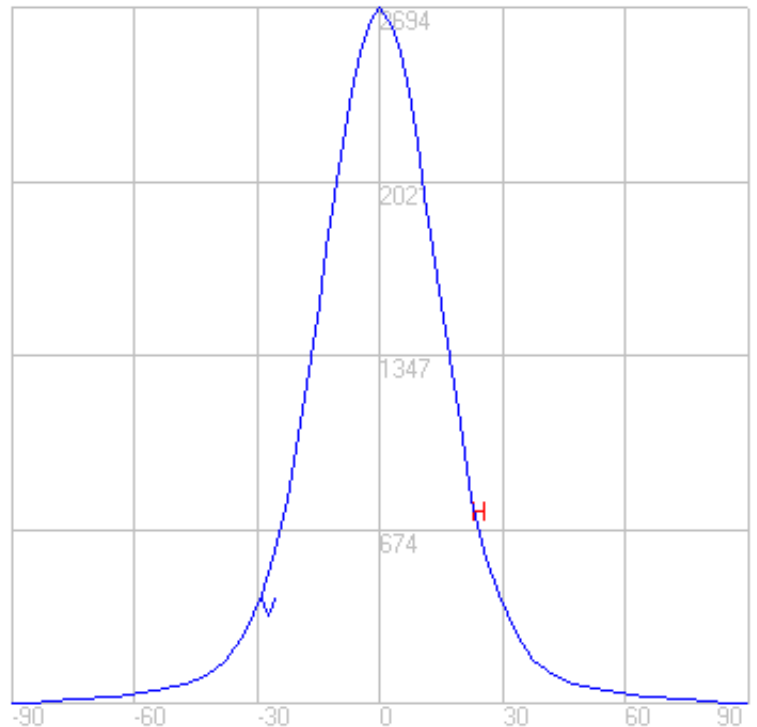
NEMA Type	4 H x 4 V
Maximum Candela	2694.2
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	33.9
Vertical Beam Angle (50%)	33.9
Horizontal Field Angle (10%)	66.2
Vertical Field Angle (10%)	66.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	550
Beam Efficiency	N.A.
Field Lumens	1020
Field Efficiency	N.A.
Spill Lumens	240
Luminaire Lumens	1261
Total Efficiency	N.A.
Total Luminaire Watts	18.5

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	2.86
100-110	14.38
110-120	26.94
120-130	41.48
130-140	68.84
140-150	141.66
150-160	303.54
160-170	433.20
170-180	226.22



Fixture Setback = 2 ft Grid Spacing = 6 ft.



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

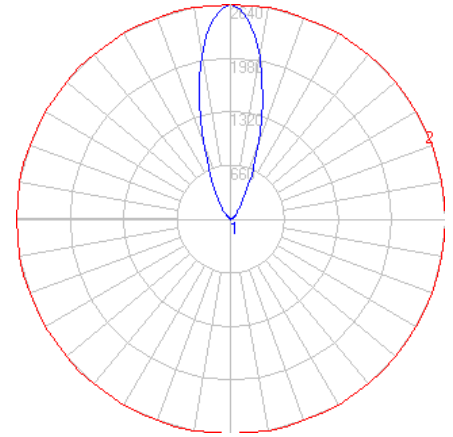
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2019

9/2/2019

BEGA

Photometric Filename: 84159K35.IES

TEST: BE_84159K4
 TEST LAB: BEGA
 DATE: 8/31/2019
 LUMINAIRE: 84159K35
 LAMP: 15.8W LED

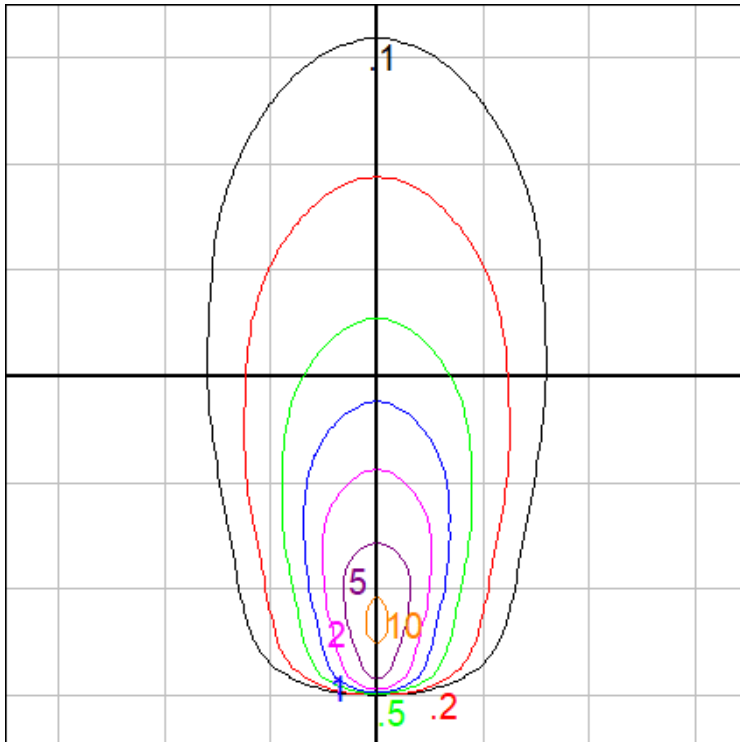


Characteristics

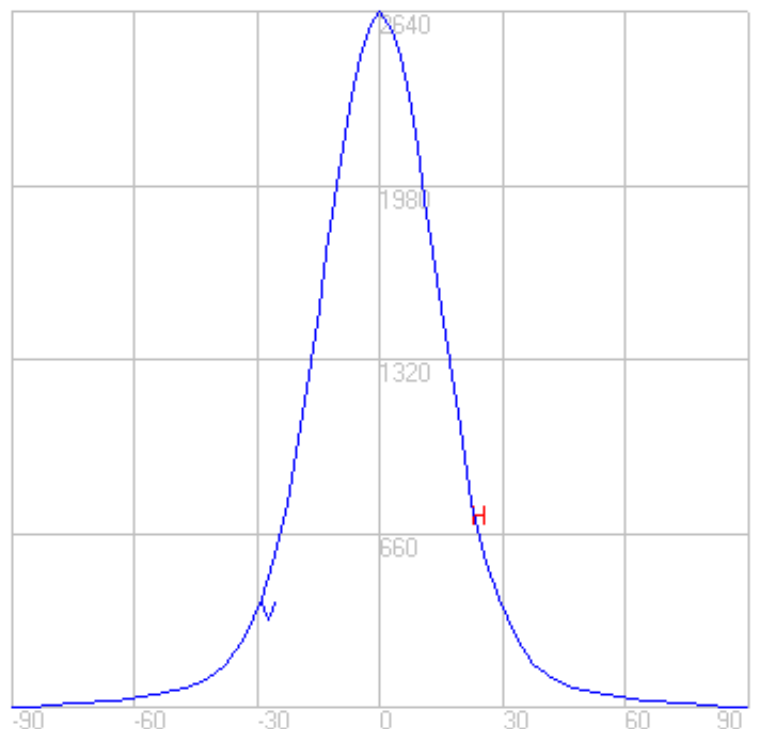
NEMA Type	4 H x 4 V
Maximum Candela	2640.316
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	33.9
Vertical Beam Angle (50%)	33.9
Horizontal Field Angle (10%)	66.2
Vertical Field Angle (10%)	66.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	539
Beam Efficiency	N.A.
Field Lumens	1000
Field Efficiency	N.A.
Spill Lumens	236
Luminaire Lumens	1235
Total Efficiency	N.A.
Total Luminaire Watts	18.5

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	2.81
100-110	14.09
110-120	26.40
120-130	40.65
130-140	67.47
140-150	138.83
150-160	297.47
160-170	424.53
170-180	221.70



Fixture Setback = 2 ft Grid Spacing = 6 ft.



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

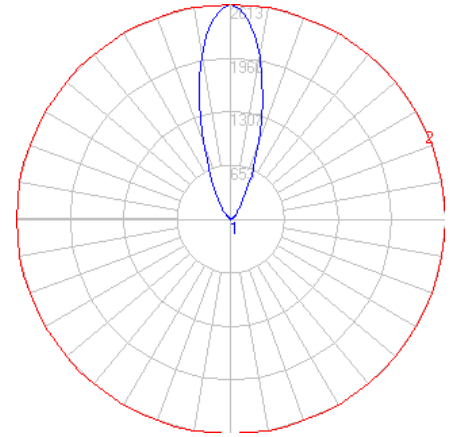
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2019

9/2/2019

BEGA

Photometric Filename: 84159K3.IES

TEST: BE_84159K4
 TEST LAB: BEGA
 DATE: 8/31/2019
 LUMINAIRE: 84159K3
 LAMP: 15.8W LED

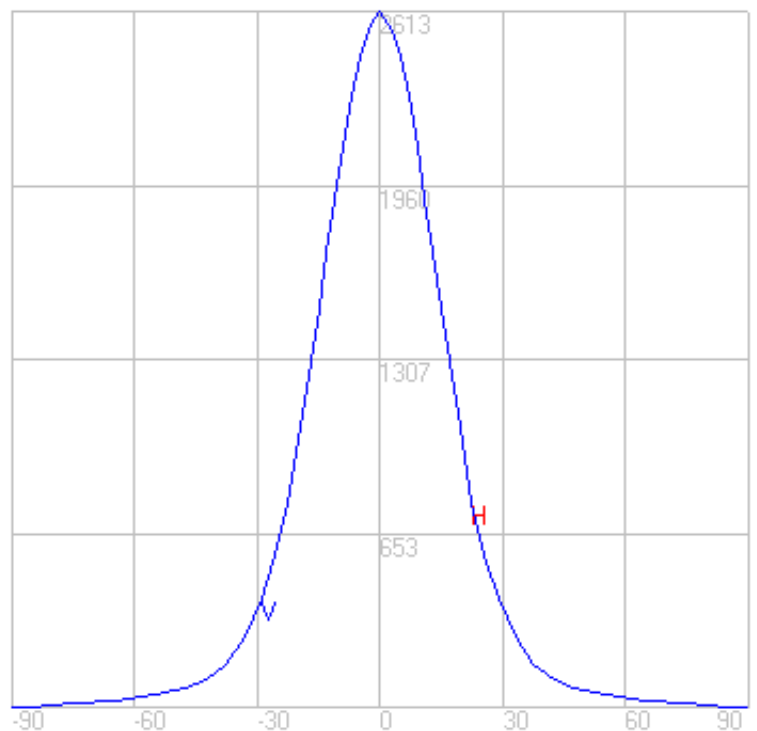
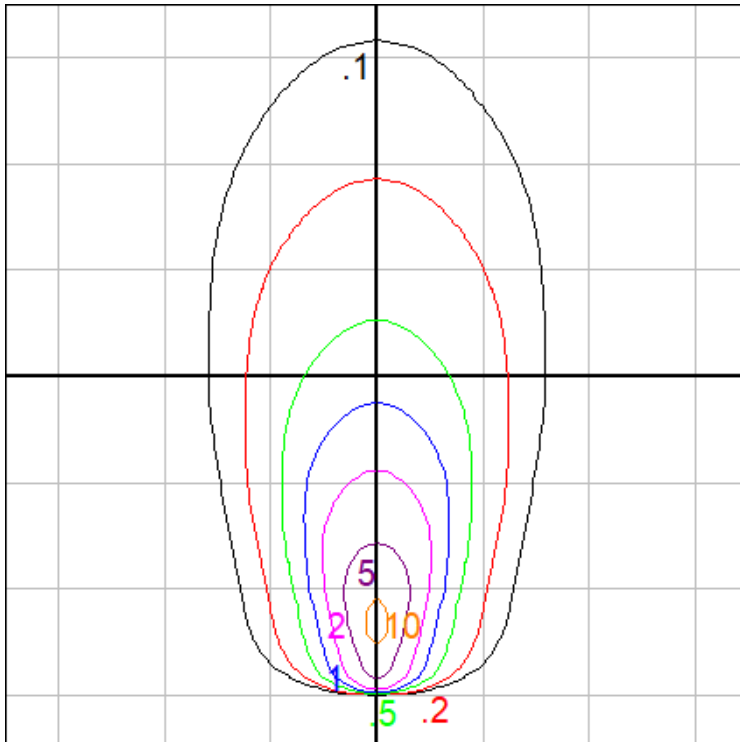


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	2613.374
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	33.9
Vertical Beam Angle (50%)	33.9
Horizontal Field Angle (10%)	66.2
Vertical Field Angle (10%)	66.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	533
Beam Efficiency	N.A.
Field Lumens	990
Field Efficiency	N.A.
Spill Lumens	233
Luminaire Lumens	1223
Total Efficiency	N.A.
Total Luminaire Watts	18.5

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	2.78
100-110	13.95
110-120	26.13
120-130	40.24
130-140	66.78
140-150	137.41
150-160	294.43
160-170	420.20
170-180	219.44



Fixture Setback = 2 ft Grid Spacing = 6 ft.

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

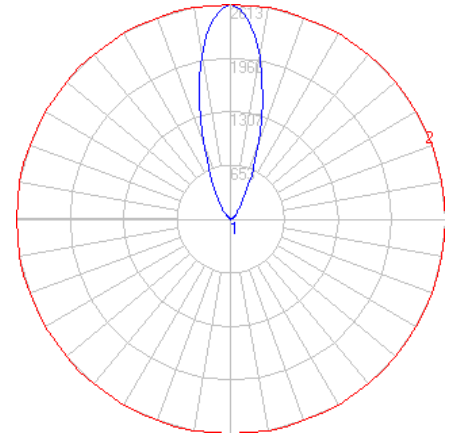
BEGA 1000 Bega Way, Carpinteria, CA 93013 (805)684-0533 Fax (805)566-9474 www.bega-us.com © Copyright BEGA-US 2019

9/2/2019

BEGA

Photometric Filename: 84159K27.IES

TEST: BE_84159K4
 TEST LAB: BEGA
 DATE: 8/31/2019
 LUMINAIRE: 84159K27
 LAMP: 15.8W LED

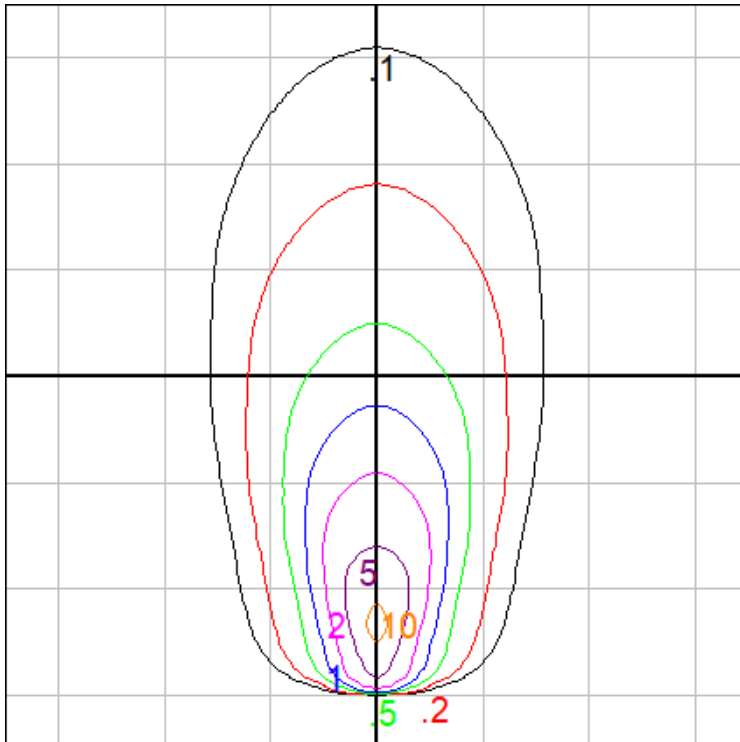


Characteristics

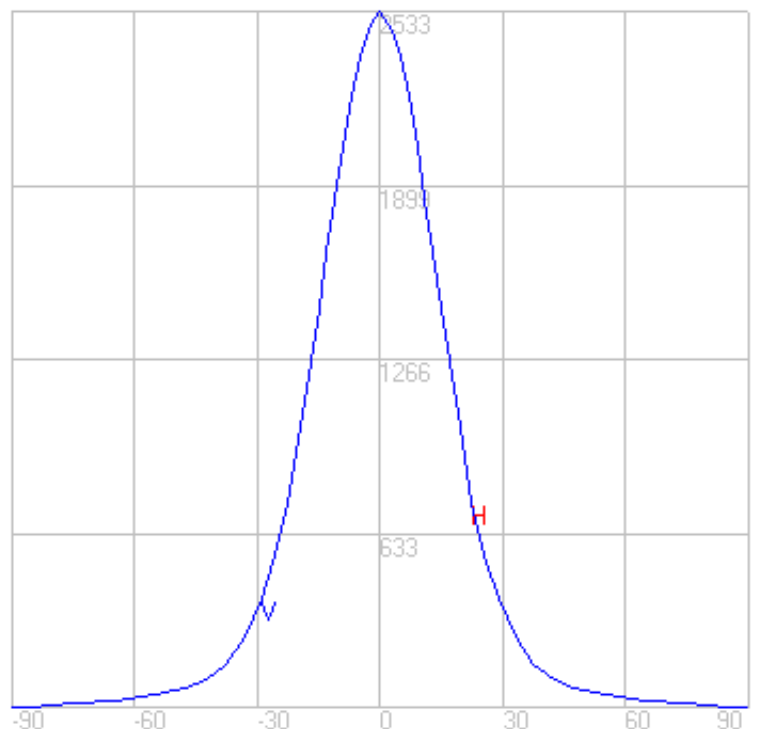
NEMA Type	4 H x 4 V
Maximum Candela	2532.548
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	33.9
Vertical Beam Angle (50%)	33.9
Horizontal Field Angle (10%)	66.2
Vertical Field Angle (10%)	66.2
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	517
Beam Efficiency	N.A.
Field Lumens	959
Field Efficiency	N.A.
Spill Lumens	226
Luminaire Lumens	1185
Total Efficiency	N.A.
Total Luminaire Watts	18.5

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	2.69
100-110	13.52
110-120	25.32
120-130	38.99
130-140	64.71
140-150	133.16
150-160	285.33
160-170	407.20
170-180	212.65



Fixture Setback = 2 ft Grid Spacing = 6 ft.



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