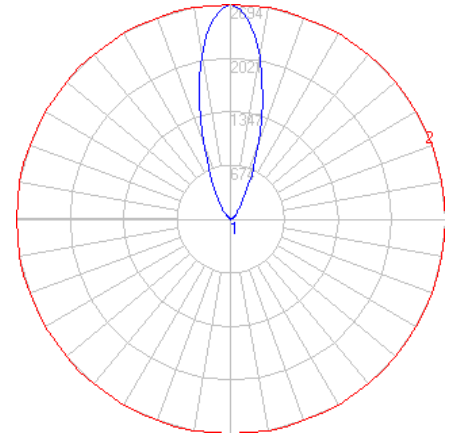


BEGA

Photometric Filename: 84160K4.IES

TEST: BE_84160K4
TEST LAB: BEGA
DATE: 9/18/2018
LUMINAIRE: 84 160K4
LAMP: 31.6W LED

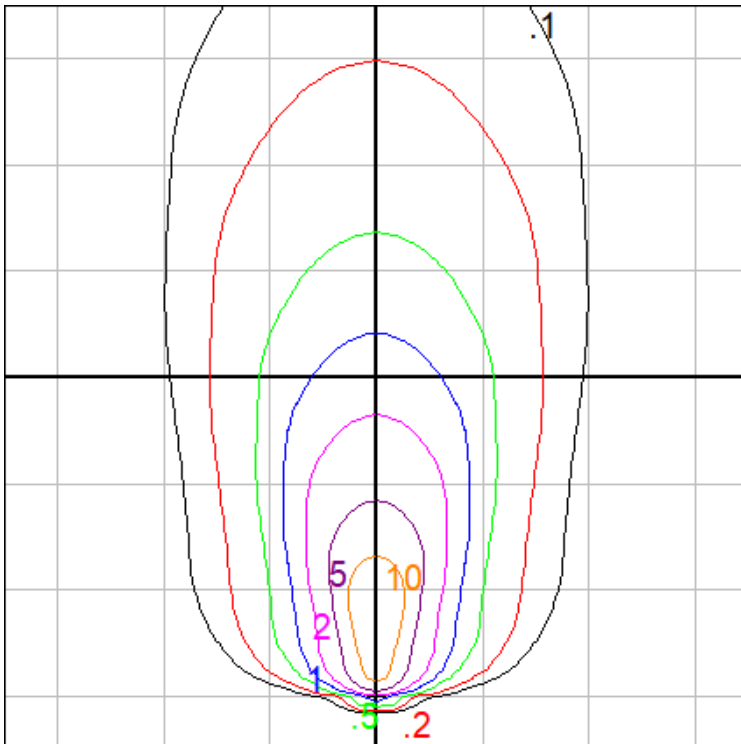


Characteristics

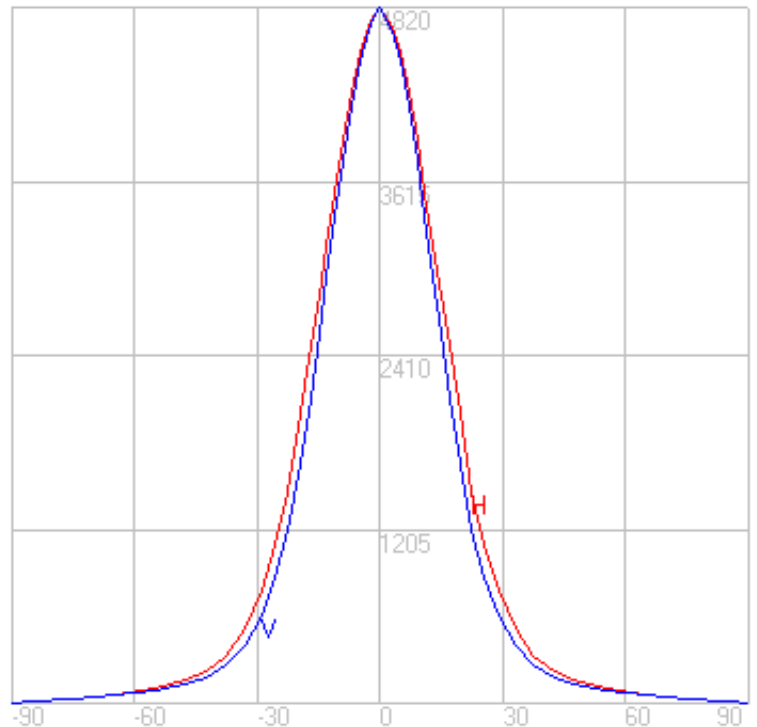
NEMA Type	4 H x 4 V
Maximum Candela	4820.1
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	34.8
Vertical Beam Angle (50%)	31.3
Horizontal Field Angle (10%)	67.6
Vertical Field Angle (10%)	63.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	915
Beam Efficiency	N.A.
Field Lumens	1747
Field Efficiency	N.A.
Spill Lumens	493
Luminaire Lumens	2240
Total Efficiency	N.A.
Total Luminaire Watts	35.6

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	0.14
70-80	1.58
80-90	3.21
90-100	11.12
100-110	35.07
110-120	60.76
120-130	89.48
130-140	132.66
140-150	245.17
150-160	511.40
160-170	751.69
170-180	400.76



Fixture Setback = 2 ft. Grid Spacing = 6 ft.



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

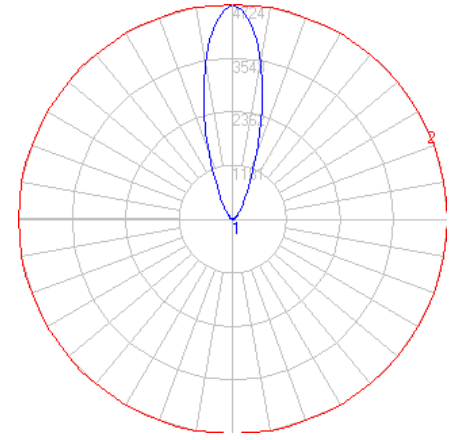
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BEGA

Photometric Filename: 84160K35.IES

TEST: BE_84160K4
 TEST LAB: BEGA
 DATE: 9/18/2018
 LUMINAIRE: 84 160K35
 LAMP: 31.6W LED

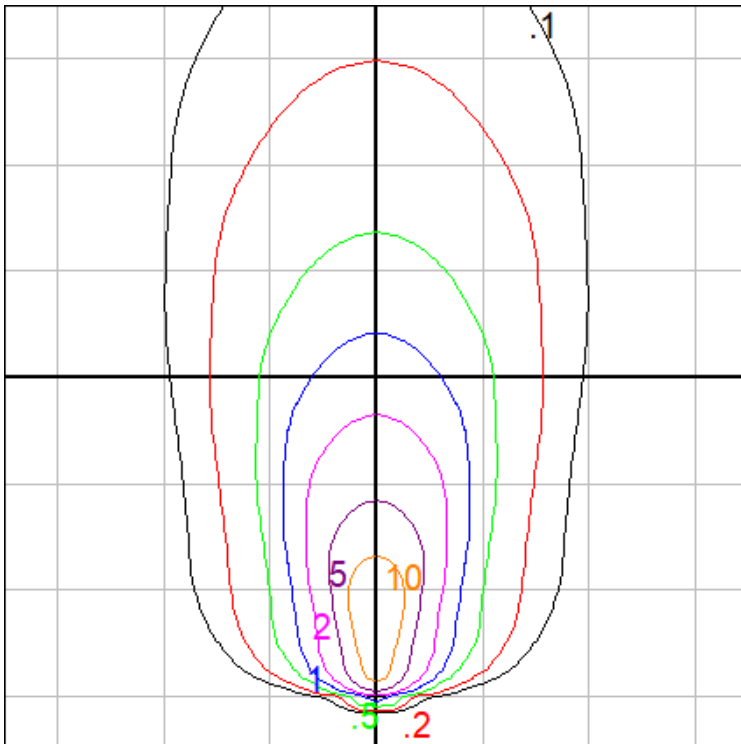


Characteristics

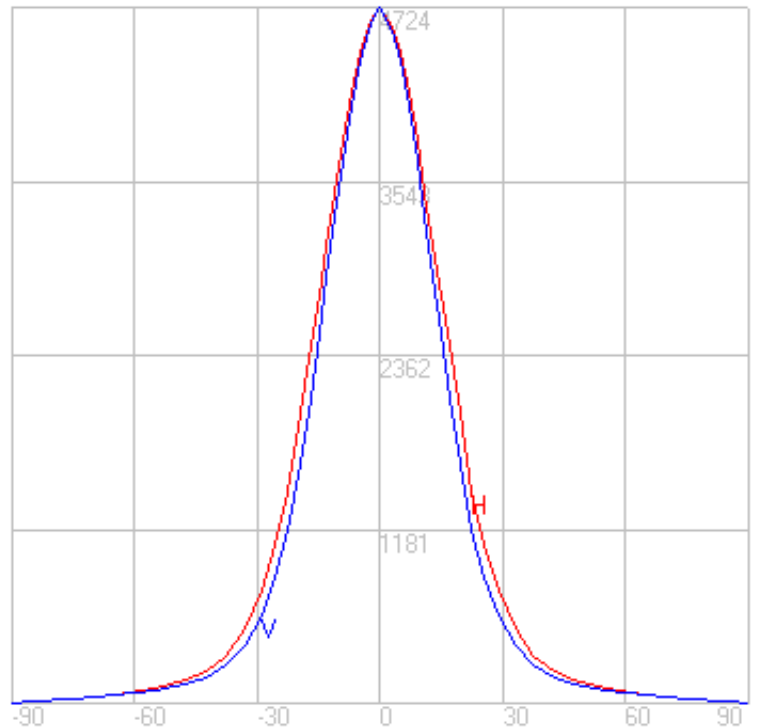
NEMA Type	4 H x 4 V
Maximum Candela	4723.698
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	34.8
Vertical Beam Angle (50%)	31.3
Horizontal Field Angle (10%)	67.6
Vertical Field Angle (10%)	63.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	896
Beam Efficiency	N.A.
Field Lumens	1712
Field Efficiency	N.A.
Spill Lumens	4483
Luminaire Lumens	2195
Total Efficiency	N.A.
Total Luminaire Watts	35.6

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	0.14
70-80	1.58
80-90	3.14
90-100	10.90
100-110	34.37
110-120	59.55
120-130	87.69
130-140	130.01
140-150	240.27
150-160	501.17
160-170	736.65
170-180	392.75



Fixture Setback = 2 ft. Grid Spacing = 6 ft.



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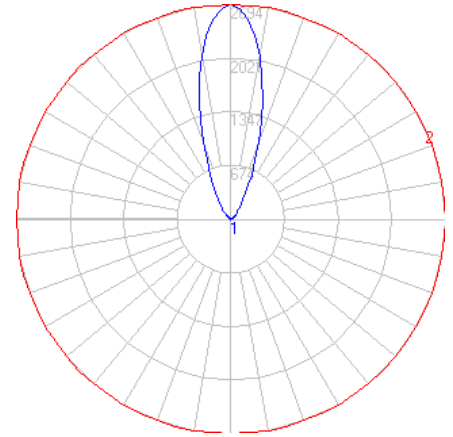
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Photometric Filename: 84160K3.IES

TEST: BE_84160K4
 TEST LAB: BEGA
 DATE: 9/18/2018
 LUMINAIRE: 84 160K3
 LAMP: 31.6W LED

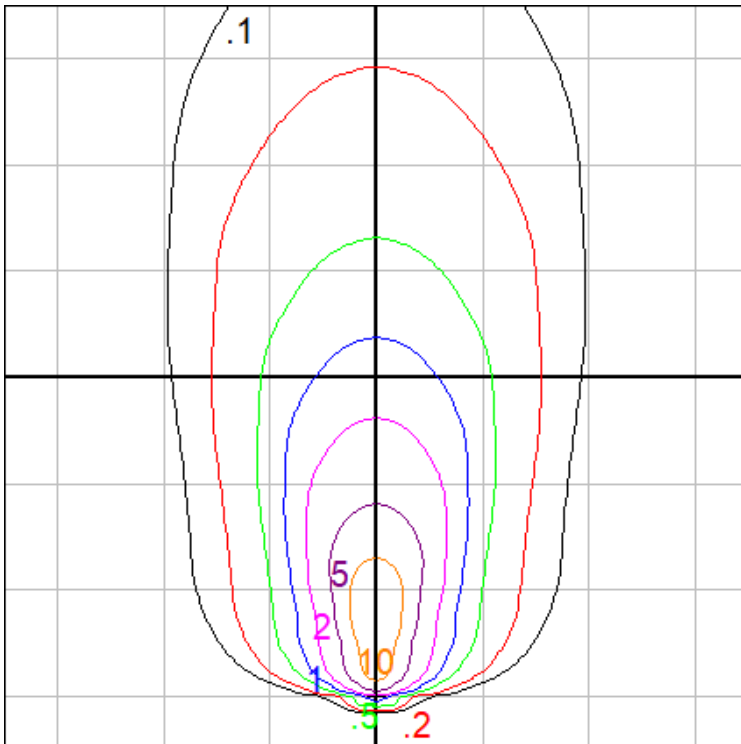


Characteristics

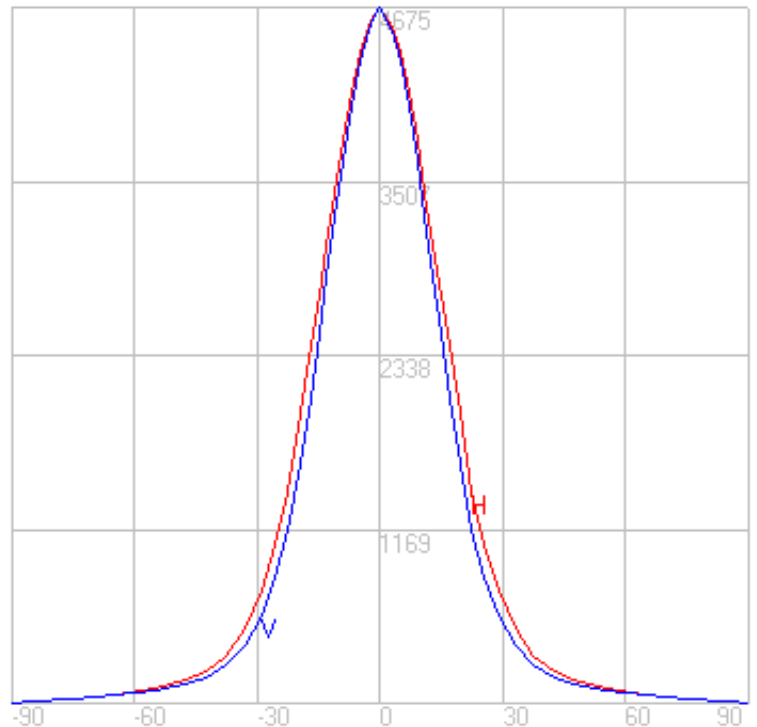
NEMA Type	4 H x 4 V
Maximum Candela	4675.497
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	34.8
Vertical Beam Angle (50%)	31.3
Horizontal Field Angle (10%)	67.6
Vertical Field Angle (10%)	63.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	887
Beam Efficiency	N.A.
Field Lumens	1695
Field Efficiency	N.A.
Spill Lumens	478
Luminaire Lumens	2173
Total Efficiency	N.A.
Total Luminaire Watts	35.6

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	0.14
70-80	1.54
80-90	3.11
90-100	10.79
100-110	34.02
110-120	58.94
120-130	86.79
130-140	128.68
140-150	237.82
150-160	496.06
160-170	729.14
170-180	388.74



Fixture Setback = 2 ft. Grid Spacing = 6 ft.



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

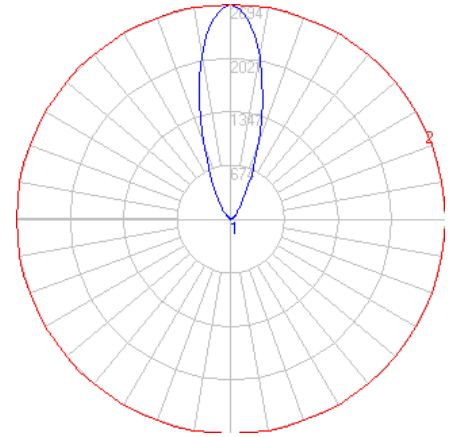
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Photometric Filename: 84160K27.IES

TEST: BE_84160K4
 TEST LAB: BEGA
 DATE: 9/18/2018
 LUMINAIRE: 84 160K27
 LAMP: 31.6W LED

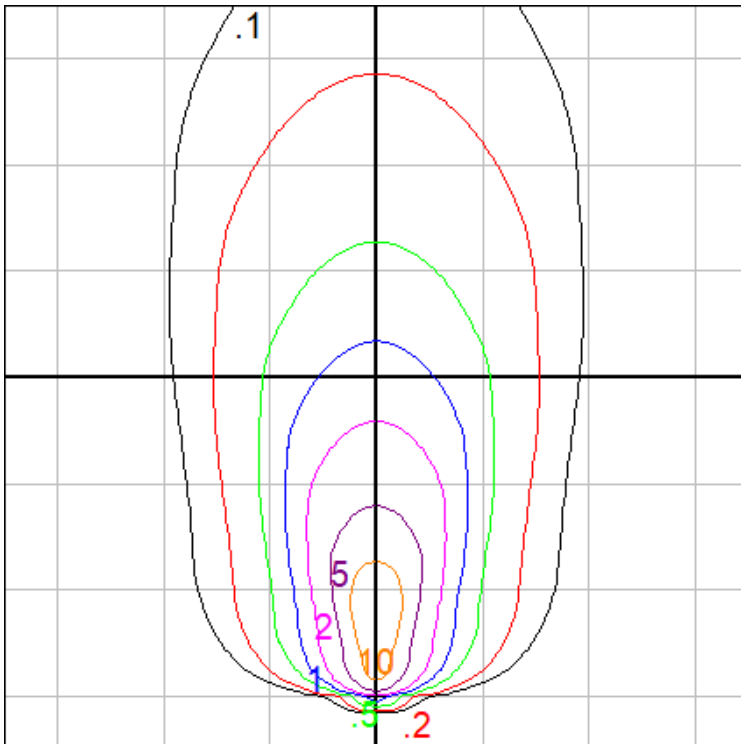


Characteristics

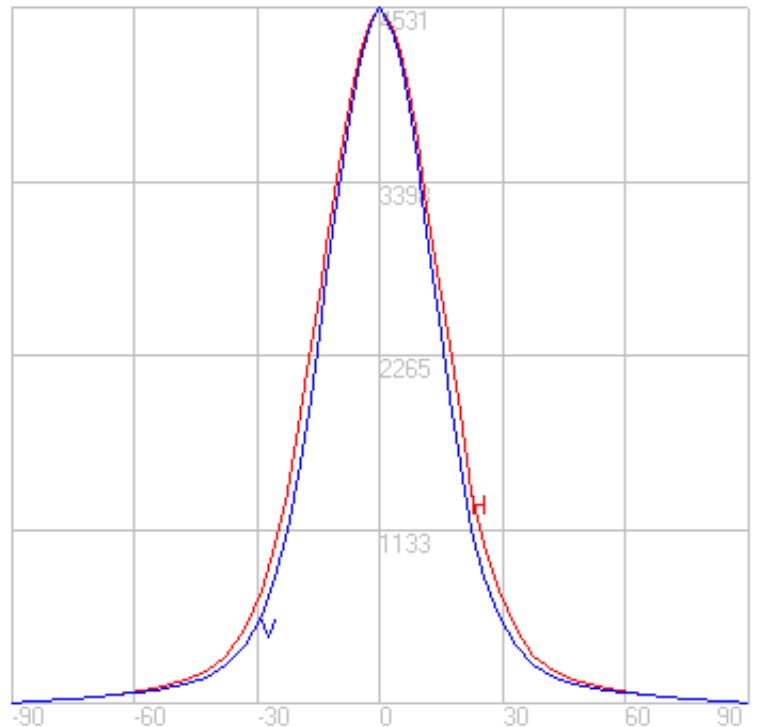
NEMA Type	4 H x 4 V
Maximum Candela	4530.894
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	34.8
Vertical Beam Angle (50%)	31.3
Horizontal Field Angle (10%)	67.6
Vertical Field Angle (10%)	63.0
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	860
Beam Efficiency	N.A.
Field Lumens	1642
Field Efficiency	N.A.
Spill Lumens	463
Luminaire Lumens	2105
Total Efficiency	N.A.
Total Luminaire Watts	35.6

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	0.13
70-80	1.49
80-90	3.02
90-100	10.45
100-110	32.97
110-120	57.12
120-130	84.11
130-140	124.70
140-150	230.46
150-160	480.72
160-170	706.59
170-180	376.72



Fixture Setback = 2 ft. Grid Spacing = 6 ft.



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