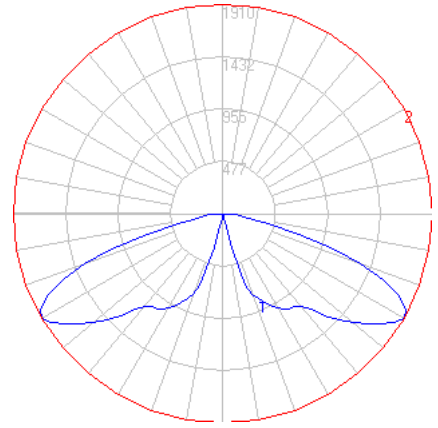


BEGA

Photometric Filename: 84129K4_1.IES

TEST: BE_84129K4_1
TEST LAB: BEGA
DATE: 09/01/2015
LUMINAIRE: 84 129 Luminaire
LAMP: 47.7W LED



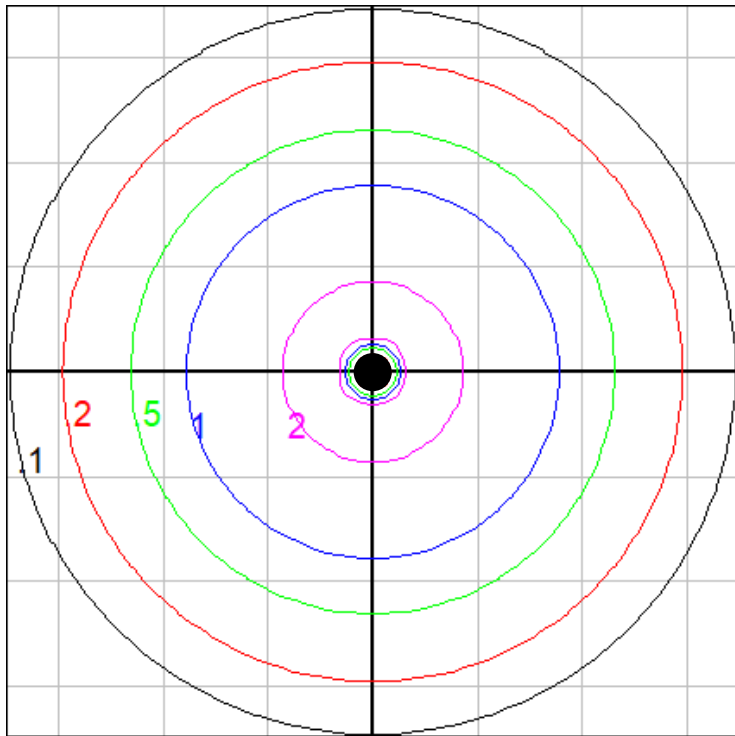
Characteristics

IES Classification	Type V
Longitudinal Classification	Short
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	6429
Downward Total Efficiency	N.A.
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	124
Total Luminaire Watts	52
Ballast Factor	1.00
Upward Waste Light Ratio	0.00
Max. Cd.	1909.6 (0H, 60V)
Max. Cd. (<90 Vert.)	1909.6 (0H, 60V)
Max. Cd. (At 90 Deg. Vert.)	0 (0.0%Lum)
Max. Cd. (80 to <90 Deg. Vert.)	282.9 (4.4%Lum)
Cutoff Classification (deprecated)	N.A. (absolute)

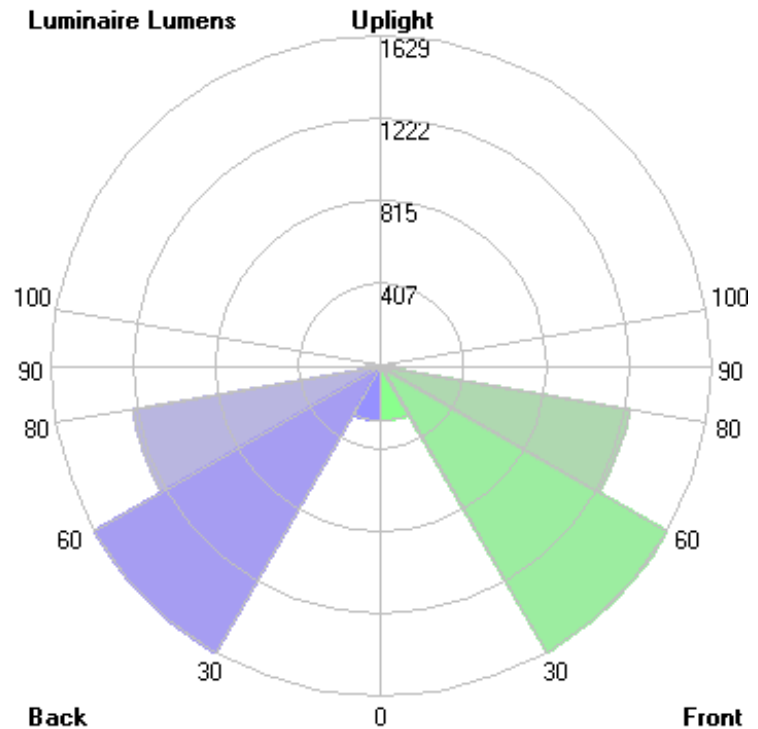
Lum. Classification System (LCS)

LCS Zone	Lumens	%Lamp	%Lum
FL (0-30)	271.9	N.A.	4.2
FM (30-60)	1629.1	N.A.	25.3
FH (60-80)	1243.2	N.A.	19.3
FVH(80-90)	70.0	N.A.	1.1
BL (0-30)	271.9	N.A.	4.2
BM (30-60)	1629.1	N.A.	25.3
BH (60-80)	1243.2	N.A.	19.3
BVH(80-90)	70.0	N.A.	1.1
UL (90-100)	0.0	N.A.	0.0
UH (100-180)	0.0	N.A.	0.0
Total	6428.4	N.A.	100.0

BUG Rating B3-U0-G1



Grid Spacing = 15 ft.



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

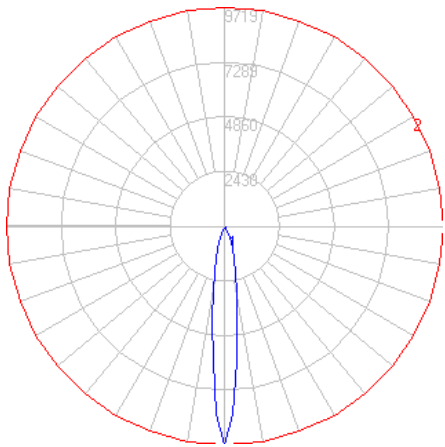
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Photometric Filename:
84129K4_84130K4_2.IES

TEST: BE_84129K4_2
TEST LAB: BEGA
DATE: 02/20/2017
LUMINAIRE: 84 129 Floodlight
LAMP: 11.5W LED

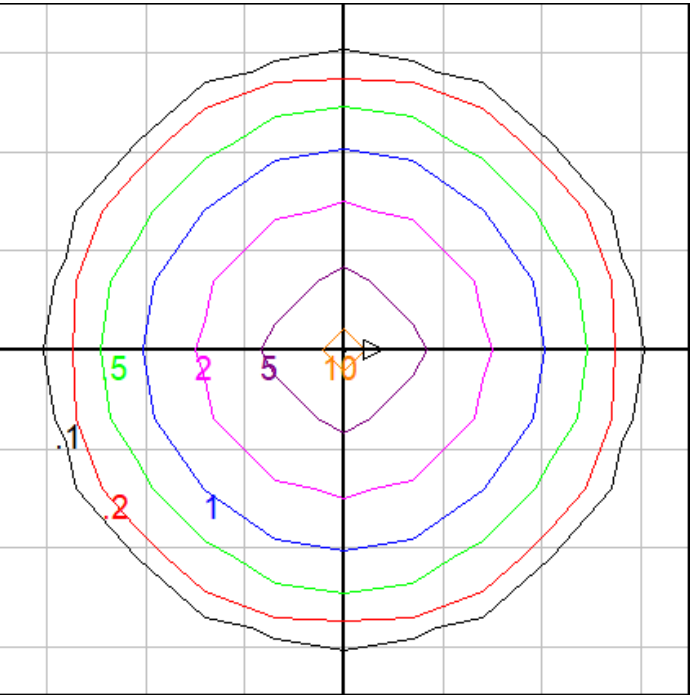


Characteristics

NEMA Type	3 H x 3 V
Maximum Candela	10674.9
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	13.1
Vertical Beam Angle (50%)	13.1
Horizontal Field Angle (10%)	36.8
Vertical Field Angle (10%)	36.8
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	316
Beam Efficiency	N.A.
Field Lumens	922
Field Efficiency	N.A.
Spill Lumens	204
Luminaire Lumens	1126
Total Efficiency	N.A.
Total Luminaire Watts	14
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	531.21
10-20	472.66
20-30	117.60
30-40	9.75
40-50	0.90
50-60	0.10
60-70	0.04
70-80	0.00
80-90	0.00
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



Floodlight Setback = 30ft Grid Spacing = 5 ft.

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

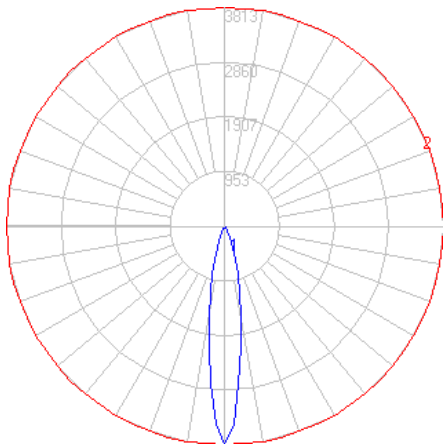
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BEGA

Photometric Filename:
84129K4_84130K4_2_10016.IES

TEST: BE_84129K4_2
TEST LAB: BEGA
DATE: 02/20/2017
LUMINAIRE: 84 129 Floodlight _ 10016
LAMP: 11.5W LED

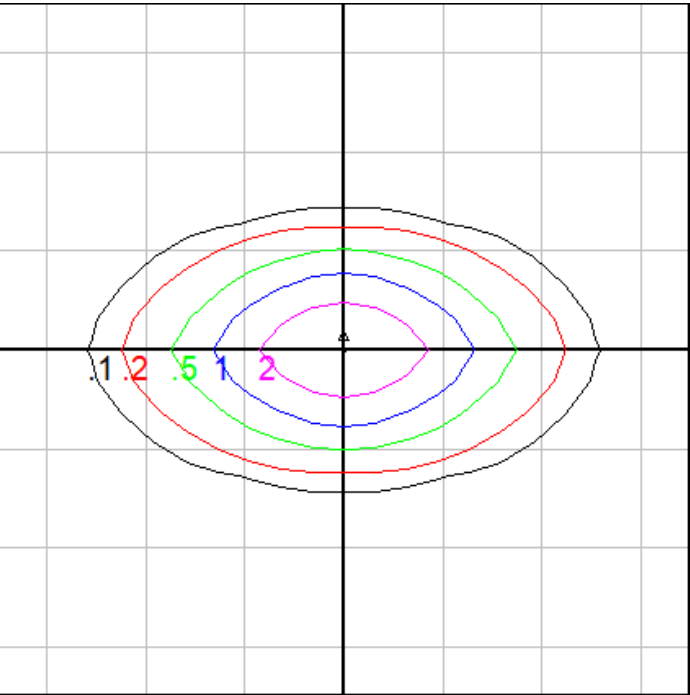


Characteristics

NEMA Type	5 H x 3 V
Maximum Candela	3813.2
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	33.7
Vertical Beam Angle (50%)	17.1
Horizontal Field Angle (10%)	72.1
Vertical Field Angle (10%)	40.6
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	343
Beam Efficiency	N.A.
Field Lumens	803
Field Efficiency	N.A.
Spill Lumens	151
Luminaire Lumens	954
Total Efficiency	N.A.
Total Luminaire Watts	14
Ballast Factor	1.00

Zonal Lumen Summary

Zone	Lumens
0-10	262.99
10-20	366.56
20-30	201.44
30-40	81.04
40-50	27.57
50-60	10.46
60-70	4.27
70-80	0.50
80-90	0.09
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



Floodlight Setback = 30ft Grid Spacing = 10 ft.

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

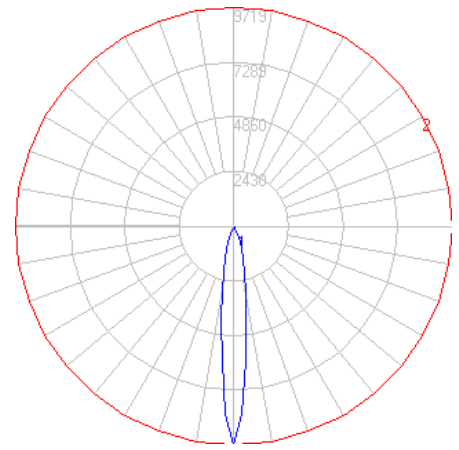
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BEGA

Photometric Filename:
84129K4_84130_2_10047.IES

TEST: BE_84129K4_2
TEST LAB: BEGA
DATE: 02/20/2017
LUMINAIRE: 84 129 Floodlight + 10047
LAMP: 11.5W LED

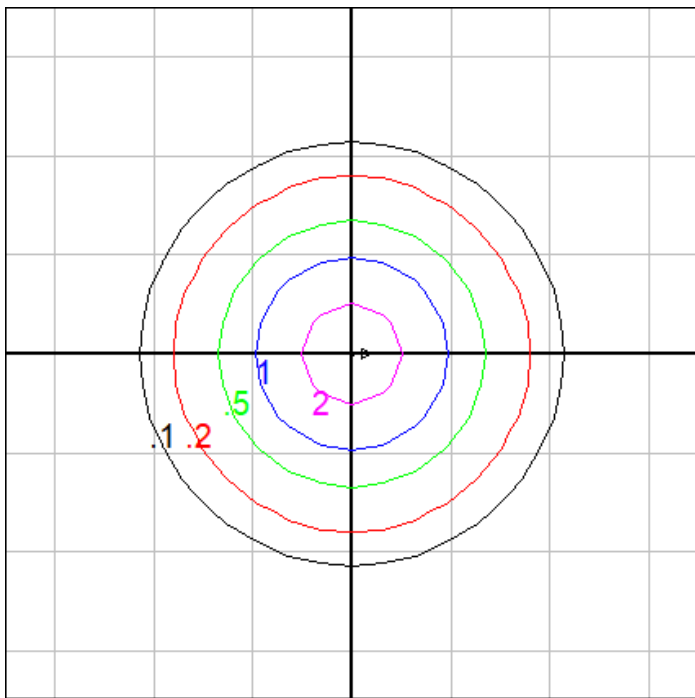


Characteristics

NEMA Type	4 H x 4 V
Maximum Candela	2721.9
Maximum Candela Angle	0 H 0 V
Horizontal Beam Angle (50%)	28.9
Vertical Beam Angle (50%)	28.9
Horizontal Field Angle (10%)	62.4
Vertical Field Angle (10%)	62.4
Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Beam Lumens	382
Beam Efficiency	N.A.
Field Lumens	831
Field Efficiency	N.A.
Spill Lumens	158
Luminaire Lumens	989
Total Efficiency	N.A.
Total Luminaire Watts	14
Ballast Factor	1.00

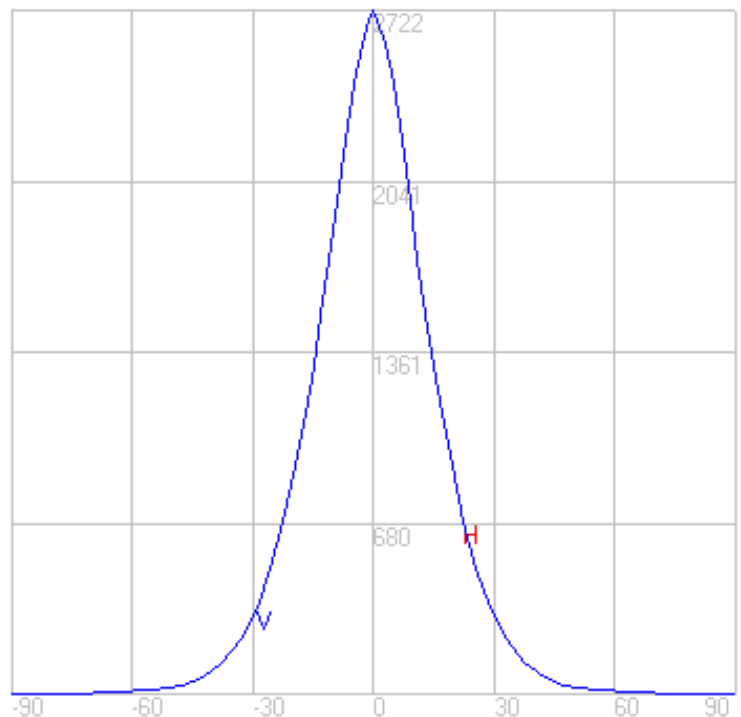
Zonal Lumen Summary

Zone	Lumens
0-10	213.14
10-20	361.87
20-30	247.28
30-40	109.97
40-50	37.88
50-60	12.23
60-70	5.27
70-80	0.69
80-90	0.10
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



Floodlight Setback = 30ft

Grid Spacing = 10 ft.



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