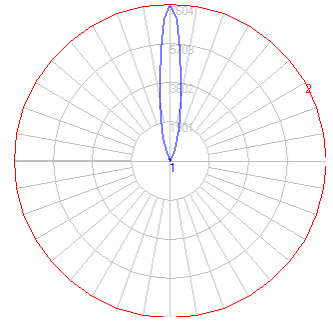


BEGA

Photometric Filename: 77629-0deg.IES

TEST: NA
TEST LAB: BEGA
DATE: 11/12/2015
LUMINAIRE: 77 629
LAMP: 19.3W LED

All results in accordance with IESNA LM-63-95

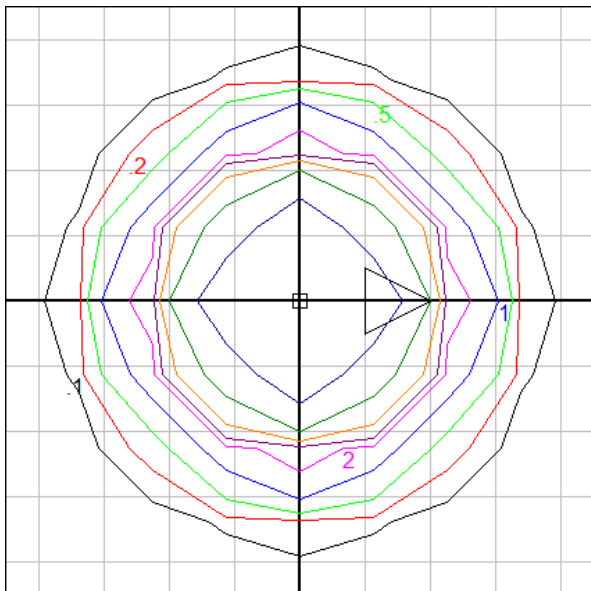


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	1028
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	45
Total Luminaire Watts	23
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.18 m (Diameter)
Luminous Height	0.00 m

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	0.00
100-110	0.00
110-120	0.06
120-130	0.15
130-140	1.91
140-150	14.32
150-160	127.85
160-170	446.40
170-180	436.82



Mounting Height = 4 ft. Grid Spacing = 1 ft.

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

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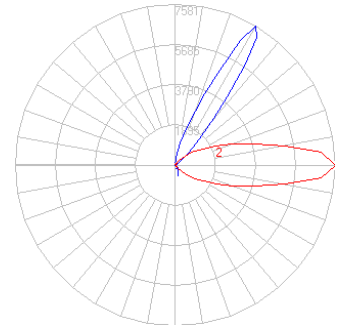
2/11/2016

BEGA

Photometric Filename: 77629-30deg.IES

TEST: NA
TEST LAB: BEGA
DATE: 11/13/2015
LUMINAIRE: 77 629
LAMP: 19.3W LED

All results in accordance with IESNA LM-63-95

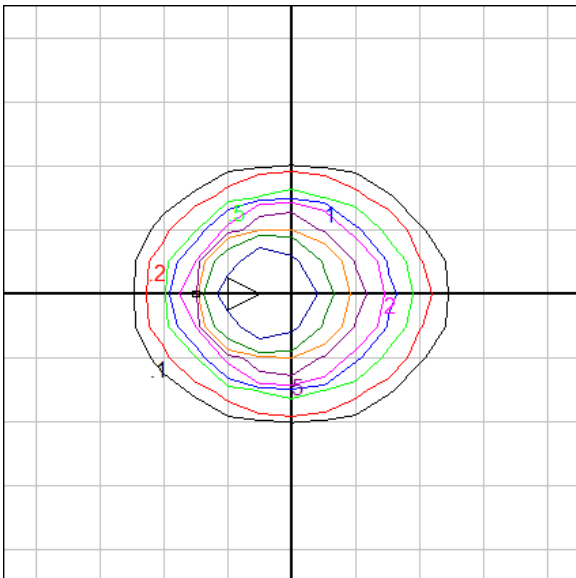


Characteristics

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	955
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	42
Total Luminaire Watts	23
Ballast Factor	1.00
CIE Type	Indirect
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Circular
Luminous Length (0-180)	0.00 m
Luminous Width (90-270)	0.18 m (Diameter)
Luminous Height	0.00 m

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	0.02
100-110	0.40
110-120	1.79
120-130	21.57
130-140	134.59
140-150	378.36
150-160	314.15
160-170	93.95
170-180	10.26



Mounting Height = 4 ft. Grid Spacing = 2 ft.

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

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2/11/2016