



Filename: LIGHT005-030 MG 15W no diffuser

Manufacturer: Lightart

Lamp: A19 15W LED FEIT

Lamp Output: Total luminaire Lumens: 1076.7

Max Candela: 220.4 at Horizontal: 90°, Vertical: 15°

Input Wattage: 12.5

Luminous Opening: Rectangle w/Luminous Sides (L: 24", W: 24", H: 24")

Test: LM-79-08

Test Lab: Orb Optonix, Inc.

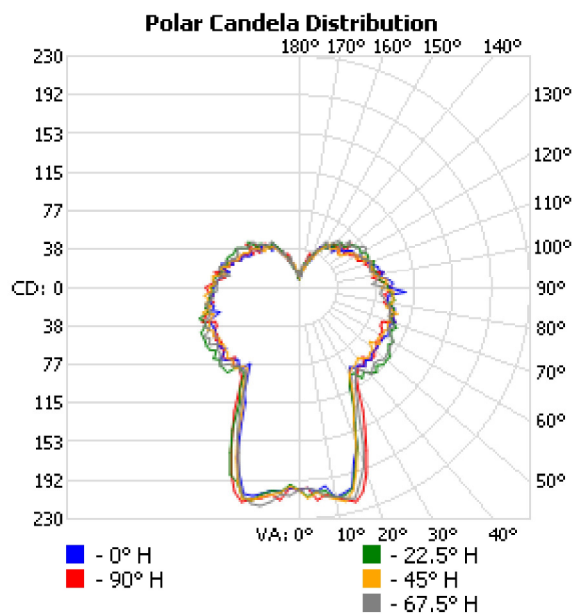
Photometry : Type C

CIE Class: Semi-Direct

Cutoff Class: Noncutoff

Zonal Lumen Summary

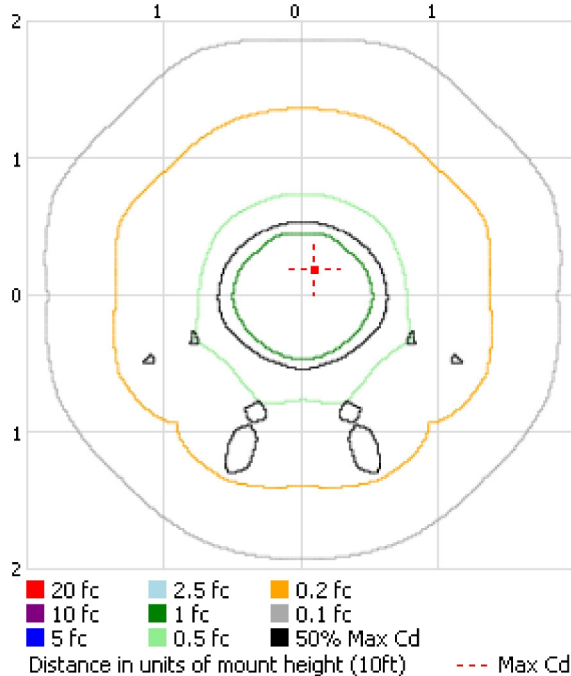
Zone	Lumens	% Luminaire
0-30	141.8	13.2%
0-40	205.4	19.1%
0-60	376.5	35%
60-90	295.3	27.4%
70-100	286.8	26.6%
90-120	241.3	22.4%
0-90	671.9	62.4%
90-180	404.8	37.6%
0-180	1,076.7	100%



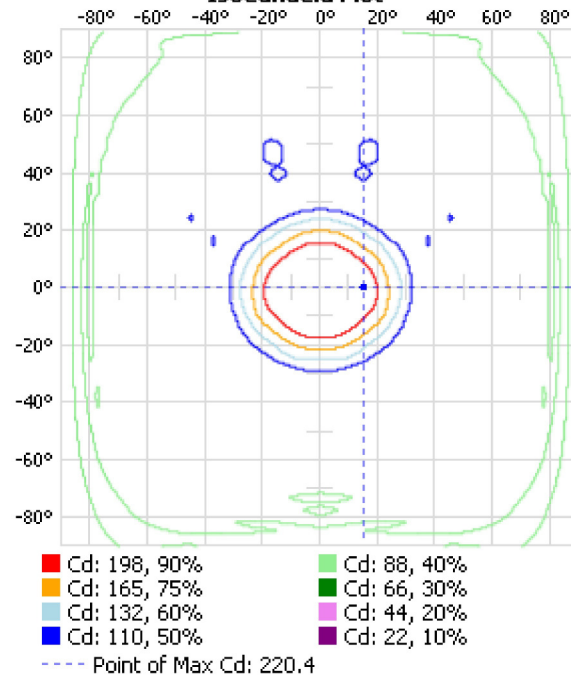
Lumens Per Zone

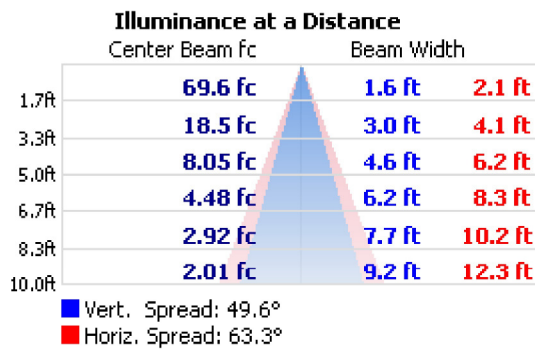
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	19.8	1.8%	90-100	89.8	8.3%
10-20	57.8	5.4%	100-110	81.0	7.5%
20-30	64.2	6.0%	110-120	70.6	6.6%
30-40	63.6	5.9%	120-130	59.0	5.5%
40-50	80.2	7.4%	130-140	45.3	4.2%
50-60	90.9	8.4%	140-150	32.3	3%
60-70	98.3	9.1%	150-160	18.3	1.7%
70-80	99.7	9.3%	160-170	7.2	0.7%
80-90	97.3	9.0%	170-180	1.4	0.1%

Isofootcandle Plot



IsoCandela Plot





Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	10	50	30	20	10	50	30	20	10	0
RCR: 0	1.10	1.10	1.10	1.10	1.03	1.03	1.03	.62	.90	.90	.90	.78	.78	.78	.68	.68	.68	.68	.68	.68	.62
1	.96	.90	.85	.80	.90	.84	.79	.45	.73	.69	.66	.63	.60	.57	.53	.51	.49	.44	.44	.44	.44
2	.86	.77	.69	.62	.80	.72	.65	.35	.62	.56	.52	.53	.49	.45	.45	.41	.38	.34	.34	.34	.34
3	.78	.67	.58	.51	.72	.62	.54	.29	.54	.47	.42	.46	.41	.37	.39	.35	.31	.28	.28	.28	.28
4	.71	.59	.49	.42	.66	.55	.46	.24	.47	.41	.35	.41	.35	.31	.34	.30	.26	.23	.23	.23	.23
5	.65	.52	.43	.36	.60	.49	.40	.21	.42	.35	.30	.36	.31	.26	.31	.26	.23	.20	.20	.20	.20
6	.60	.47	.37	.31	.56	.44	.35	.18	.38	.31	.26	.33	.27	.23	.28	.23	.20	.17	.17	.17	.17
7	.56	.42	.33	.27	.52	.39	.31	.16	.35	.28	.23	.30	.24	.20	.26	.21	.18	.15	.15	.15	.15
8	.52	.38	.30	.24	.48	.36	.28	.15	.32	.25	.20	.27	.22	.18	.24	.19	.16	.13	.13	.13	.13
9	.48	.35	.27	.21	.45	.33	.26	.13	.29	.23	.18	.25	.20	.16	.22	.18	.14	.12	.12	.12	.12
10	.45	.32	.24	.19	.42	.30	.23	.12	.27	.21	.17	.24	.18	.15	.20	.16	.13	.11	.11	.11	.11

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] LM-79-08
[TESTLAB] Orb Optronix, Inc.
[ISSUEDATE] 08-25-2017
[MANUFAC] Lightart
[LAMP] A19 15W LED FEIT
[_TOTALLUMINAIRELUMENS] 1076.7
[_ABSOLUTE LUMENS] 1076.70481213432

FILE: CREATED USING ABSOLUTE PHOTOMETRY
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 73, HORIZONTAL ANGLES: 9
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: STANDARD
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.