



Filename: LIGHT005-020 MG 9W with diffuser

Manufacturer: Lightart

Lamp: A19 9W LED Philips

Lamp Output: Total luminaire Lumens: 619.3

Max Candela: 69.5 at Horizontal: 67.5°, Vertical: 65°

Input Wattage: 8.72

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

Test: LM-79-08

Test Lab: Orb Optronix, Inc.

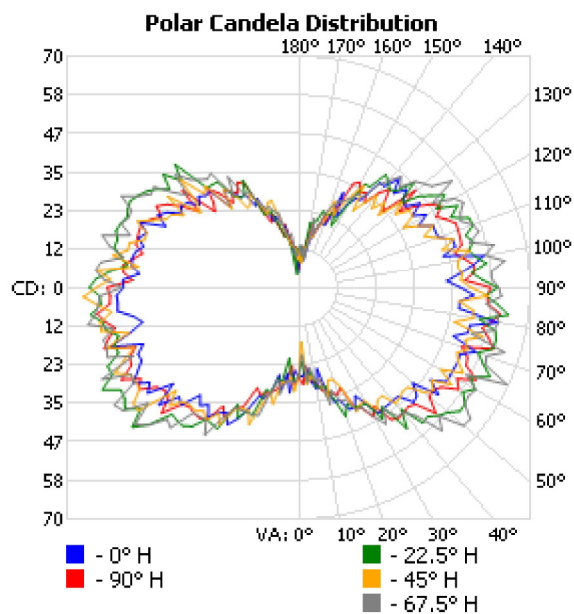
Photometry : Type C

CIE Class: General Diffuse

Cutoff Class: Noncutoff

Zonal Lumen Summary

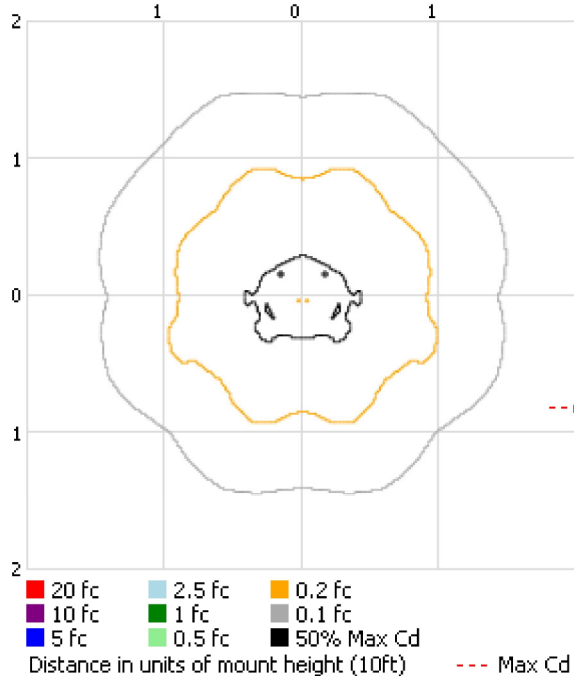
Zone	Lumens	% Luminaire
0-30	30.8	5%
0-40	60.4	9.8%
0-60	153.3	24.8%
60-90	182.6	29.5%
70-100	185.0	29.9%
90-120	166.9	26.9%
0-90	335.9	54.2%
90-180	283.4	45.8%
0-180	619.3	100%



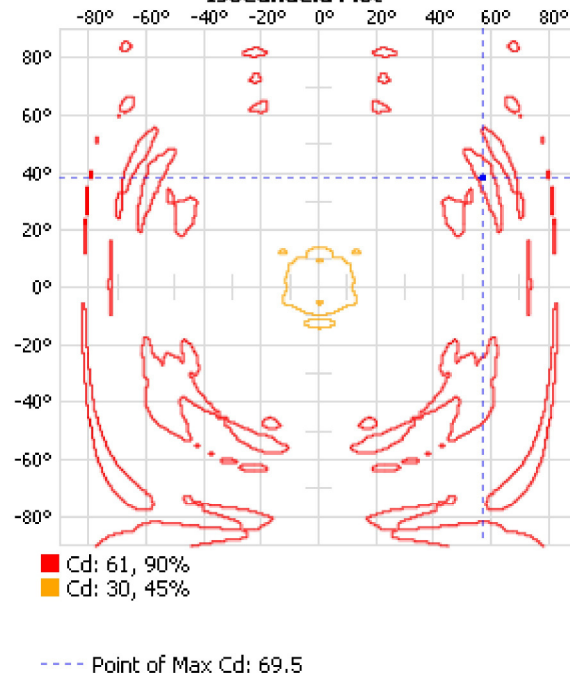
Lumens Per Zone

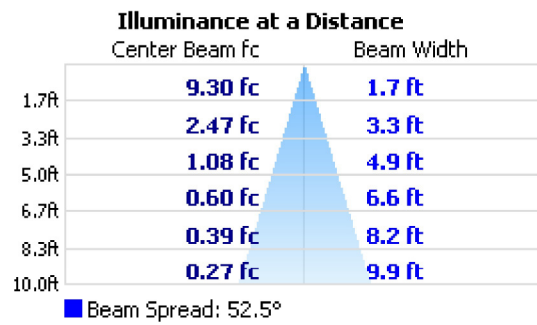
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	2.6	0.4%	90-100	60.1	9.7%
10-20	9.5	1.5%	100-110	56.2	9.1%
20-30	18.7	3.0%	110-120	50.5	8.2%
30-40	29.6	4.8%	120-130	41.7	6.7%
40-50	41.0	6.6%	130-140	32.8	5.3%
50-60	51.9	8.4%	140-150	22.5	3.6%
60-70	57.7	9.3%	150-160	12.9	2.1%
70-80	61.1	9.9%	160-170	5.7	0.9%
80-90	63.7	10.3%	170-180	1.1	0.2%

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	0	50	30	20	0	50	30	20	0	
RCR: 0		1.08	1.08	1.08	1.08	1.00	1.00	1.00	.54	.86	.86	.86	.72	.72	.72	.72	.60	.60	.60	.60	.54	
1		.94	.87	.81	.76	.86	.80	.75	.36	.67	.63	.60	.56	.53	.50	.45	.43	.40	.35	.35	.35	
2		.83	.73	.65	.58	.76	.67	.60	.27	.56	.50	.45	.46	.42	.38	.37	.33	.30	.25	.25	.25	
3		.75	.63	.53	.46	.68	.57	.49	.20	.48	.41	.36	.39	.34	.30	.31	.27	.23	.19	.19	.19	
4		.68	.54	.45	.37	.62	.50	.41	.16	.42	.35	.29	.34	.28	.24	.27	.22	.19	.15	.15	.15	
5		.61	.48	.38	.31	.56	.44	.35	.13	.37	.30	.24	.30	.24	.20	.23	.19	.16	.12	.12	.12	
6		.56	.42	.33	.26	.51	.39	.30	.11	.32	.26	.20	.26	.21	.17	.21	.16	.13	.10	.10	.10	
7		.52	.38	.29	.22	.47	.35	.27	.10	.29	.22	.17	.24	.18	.14	.19	.14	.11	.08	.08	.08	
8		.48	.34	.25	.19	.44	.31	.23	.08	.26	.20	.15	.22	.16	.12	.17	.13	.10	.07	.07	.07	
9		.44	.31	.23	.17	.41	.28	.21	.07	.24	.18	.13	.20	.15	.11	.16	.11	.08	.06	.06	.06	
10		.41	.28	.20	.15	.38	.26	.19	.06	.22	.16	.12	.18	.13	.10	.14	.10	.07	.05	.05	.05	

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] LM-79-08
[TESTLAB] Orb Optronix, Inc.
[ISSUEDATE] 08-25-2017
[MANUFAC] Lightart
[LAMP] A19 9W LED Philips
[_TOTALLUMINAIRELUMENS] 619.3
[_ABSOLUTE LUMENS] 12.6376105243289
[OTHER] with diffuser

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

Photometrics Pro 1.3.29 copyright 2003-2017 by jSolutions, Inc.
Reported data calculated from manufacturer's data file, based on IES recommended methods.