

**OUTDOOR PHOTOMETRIC REPORT**

CATALOG: CTR-HV5-100W

Manufacturer:

Test #: SLP LIGHTING TEST NO. CTRLUMASMART100WFULLHAM96W2.4ACRFROST

Test Lab: SLP LIGHTING ENGINEERING LAB

Catalog: CTR-HV5-100W

Description: 1 NEW ROUND 100 WATT BOARD FROM LUMASMART 95W FULHAM DRIVER ACRYLIC FROST CITADEL ROUND CTR-LENS-AC-FROST FULLHAM 96W

Lamp Catalog: FULLHAM 100W ROUND

Lamp Output: Total luminaire Lumens: 14624.3, **absolute photometry \***

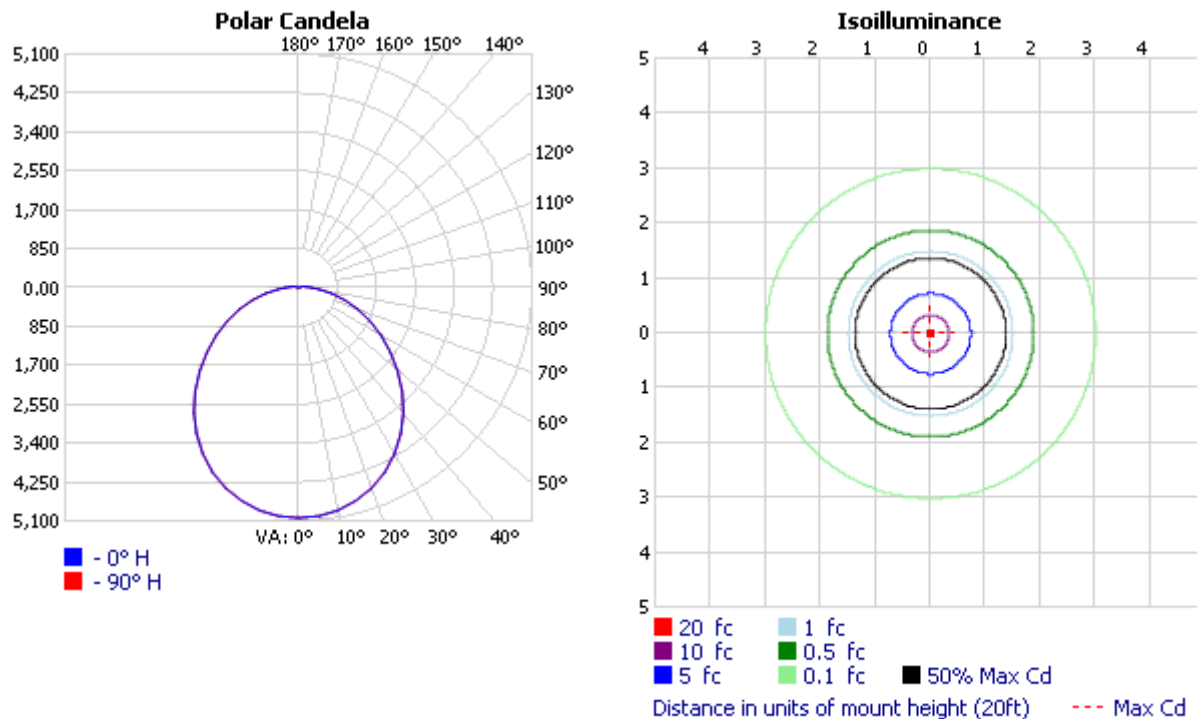
Input Wattage: 100

Luminous Opening: Rectangle w/Luminous Sides (L: 18", W: 18", H: 2")

Max Cd: 5,030.0 at Horizontal: 0°, Vertical: 0°

Roadway Class: Type VS

No  
Photo  
Available



\*Test based on absolute photometry where lamp lumens=lumens total.

\*Cutoff Classification and efficiency cannot be properly calculated for absolute photometry.

Visual Photometric Tool 1.2.46 copyright 2021, Acuity Brands Lighting.

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SLP LIGHTING TEST NO. CTRLUMASMART100WFULLHAM96W2.4ACRFROST  
VISUAL PHOTOMETRIC TOOL

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**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	3,880.4	26.5%
0-40	6,310.1	43.1%
0-60	10,960.9	74.9%
60-90	3,356.9	23%
70-100	1,873.8	12.8%
90-120	306.5	2.1%
0-90	14,317.8	97.9%
90-180	306.5	2.1%
0-180	14,624.3	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	475.4	3.3%	90-100	223.9	1.5%
10-20	1,358.6	9.3%	100-110	82.6	0.6%
20-30	2,046.3	14.0%	110-120	0.000	0%
30-40	2,429.7	16.6%	120-130	0.000	0%
40-50	2,464.9	16.9%	130-140	0.000	0%
50-60	2,185.9	14.9%	140-150	0.000	0%
60-70	1,707.0	11.7%	150-160	0.000	0%
70-80	1,113.2	7.6%	160-170	0.000	0%
80-90	536.7	3.7%	170-180	0.000	0%

**Roadway Summary**

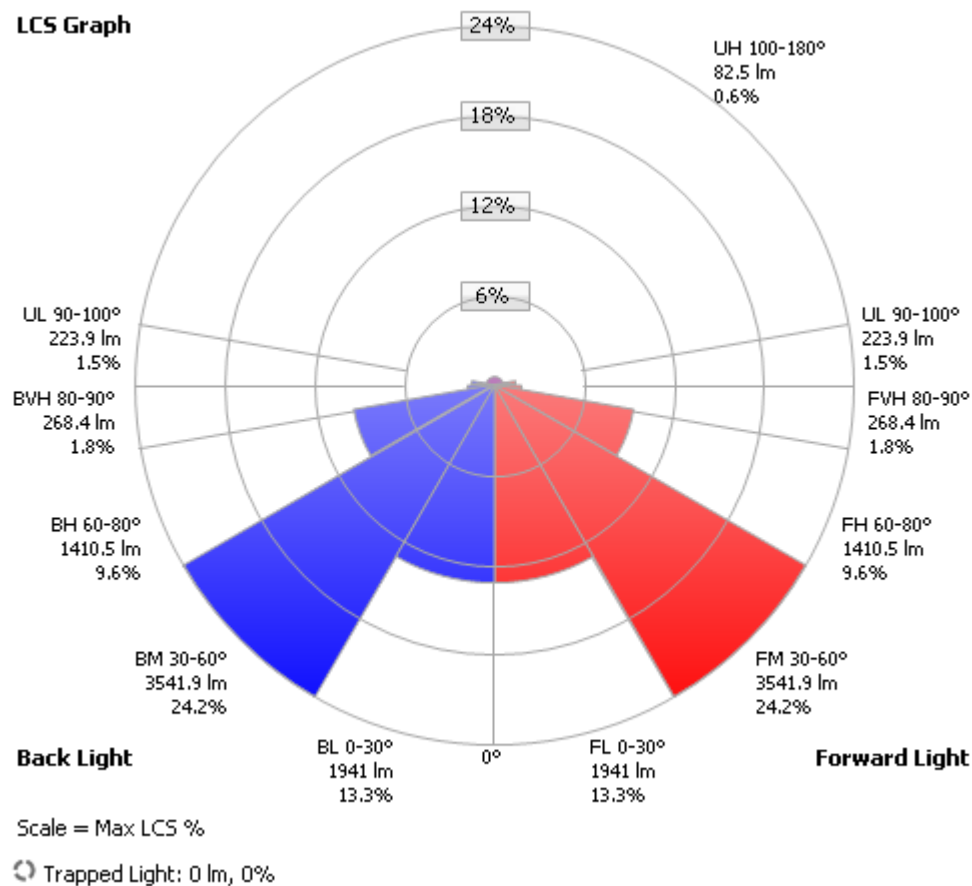
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	290.0	
Max Cd, 80 to <90 Deg:	740.0	
	Lumens	% Lamp
Downward Street Side:	7,161.8	49%
Downward House Side:	7,161.8	49%
Downward Total:	14,323.7	97.9%
Upward Street Side:	153.2	1%
Upward House Side:	153.2	1%
Upward Total:	306.4	2.1%
Total Lumens:	14,630.1	100%

**LCS Table**

BUG Rating	B3 - U3 - G3	
Forward Light	Lumens	Lumens %
Low(0-30):	1,941.0	13.3%
Medium(30-60):	3,541.9	24.2%
High(60-80):	1,410.5	9.6%
Very High(80-90):	268.4	1.8%
Back Light		
Low(0-30):	1,941.0	13.3%
Medium(30-60):	3,541.9	24.2%
High(60-80):	1,410.5	9.6%
Very High(80-90):	268.4	1.8%
Uplight		
Low(90-100):	223.9	1.5%
High(100-180):	82.5	0.6%
Trapped Light:	0.000	0%

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CATALOG: CTR-HV5-100W

**LCS Graph**



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Candela Table - Type C

	0	15	30	45	60	75	90
0	5030	5030	5030	5030	5030	5030	5030
5	5010	5010	5010	5010	5010	5010	5010
10	4940	4940	4940	4940	4940	4940	4940
15	4820	4820	4820	4820	4820	4820	4820
20	4660	4660	4660	4660	4660	4660	4660
25	4450	4450	4450	4450	4450	4450	4450
30	4190	4190	4190	4190	4190	4190	4190
35	3890	3890	3890	3890	3890	3890	3890
40	3560	3560	3560	3560	3560	3560	3560
45	3200	3200	3200	3200	3200	3200	3200
50	2820	2820	2820	2820	2820	2820	2820
55	2440	2440	2440	2440	2440	2440	2440
60	2080	2080	2080	2080	2080	2080	2080
65	1720	1720	1720	1720	1720	1720	1720
70	1380	1380	1380	1380	1380	1380	1380
75	1050	1050	1050	1050	1050	1050	1050
80	740	740	740	740	740	740	740
85	470	470	470	470	470	470	470
90	290	290	290	290	290	290	290
95	200	200	200	200	200	200	200
100	130	130	130	130	130	130	130
105	90	90	90	90	90	90	90
110	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0
145	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0