

**OUTDOOR PHOTOMETRIC REPORT**

CATALOG: CTR-HV5-100W

Manufacturer:

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

Test Lab: SLP LIGHTING ENGINEERING LAB

Catalog: CTR-HV5-100W

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

Lamp Catalog: FULLHAM 100W ROUND

Lamp Output: Total luminaire Lumens: 15197.6, absolute photometry \*

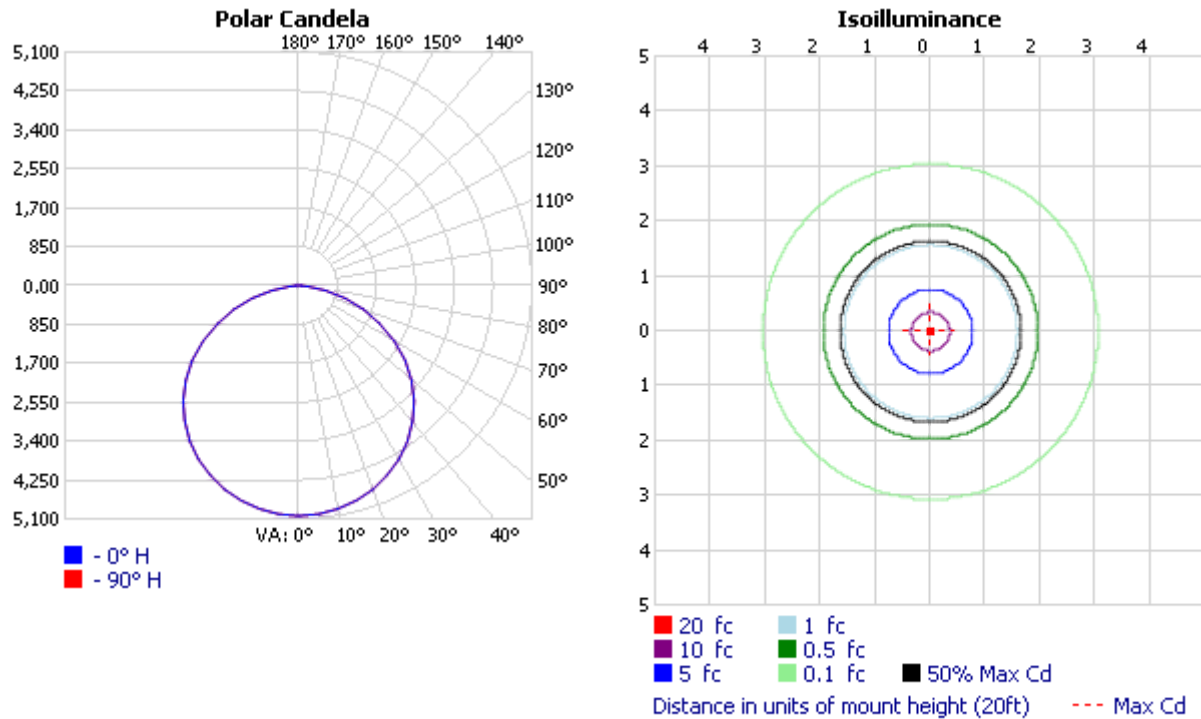
Input Wattage: 100

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.

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VISUAL PHOTOMETRIC TOOL

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**Zonal Lumen Summary**

Zone	Lumens	% Luminaire
0-30	3,954.8	26%
0-40	6,546.5	43.1%
0-60	11,821.7	77.8%
60-90	3,324.0	21.9%
70-100	1,449.7	9.5%
90-120	52.0	0.3%
0-90	15,145.7	99.7%
90-180	52.0	0.3%
0-180	15,197.6	100%

**Lumens Per Zone**

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	475.9	3.1%	90-100	52.0	0.3%
10-20	1,371.9	9.0%	100-110	0.000	0%
20-30	2,107.1	13.9%	110-120	0.000	0%
30-40	2,591.7	17.1%	120-130	0.000	0%
40-50	2,746.8	18.1%	130-140	0.000	0%
50-60	2,528.4	16.6%	140-150	0.000	0%
60-70	1,926.3	12.7%	150-160	0.000	0%
70-80	1,104.0	7.3%	160-170	0.000	0%
80-90	293.7	1.9%	170-180	0.000	0%

**Roadway Summary**

Distribution:		Type VS
Max Cd, 90 Deg Vert:		70.0
Max Cd, 80 to <90 Deg:		590.0
	Lumens	% Lamp
Downward Street Side:	7,575.7	49.8%
Downward House Side:	7,575.7	49.8%
Downward Total:	15,151.4	99.7%
Upward Street Side:	26.0	0.2%
Upward House Side:	26.0	0.2%
Upward Total:	51.9	0.3%
Total Lumens:		100%

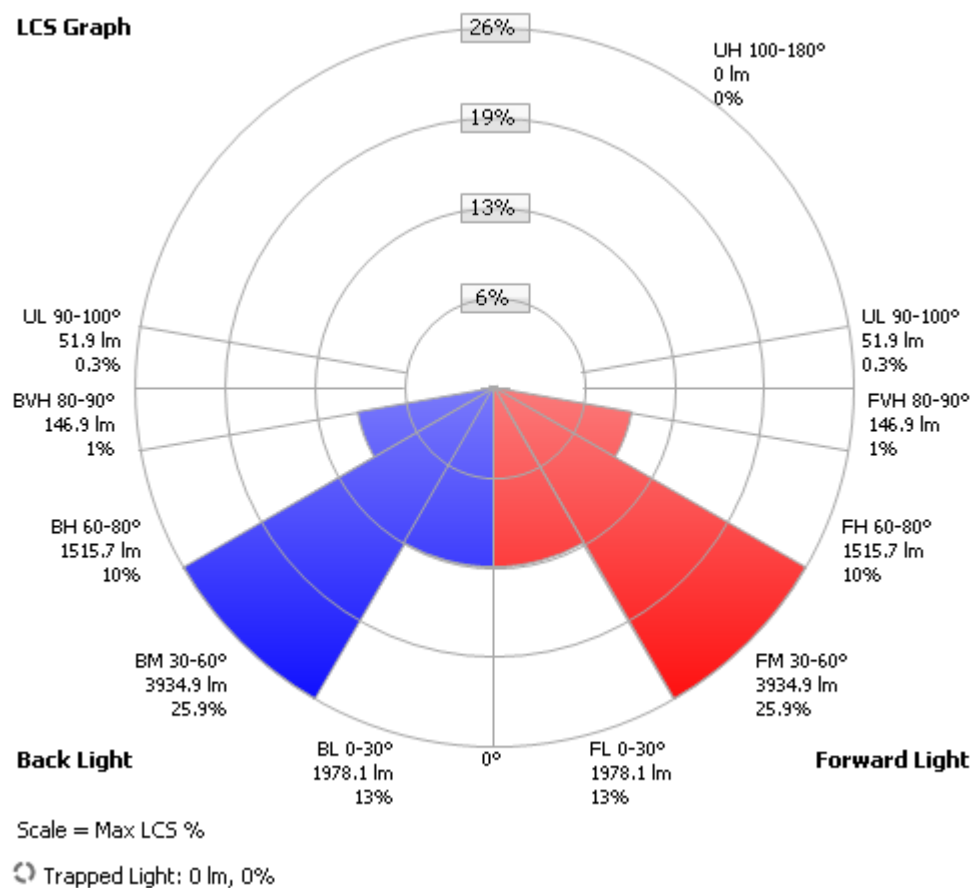
**LCS Table**

BUG Rating	B3 - U3 - G2
Forward Light	Lumens Lumens %
Low(0-30):	1,978.1 13%
Medium(30-60):	3,934.9 25.9%
High(60-80):	1,515.7 10%
Very High(80-90):	146.9 1%
Back Light	Lumens Lumens %
Low(0-30):	1,978.1 13%
Medium(30-60):	3,934.9 25.9%
High(60-80):	1,515.7 10%
Very High(80-90):	146.9 1%
Uplight	Lumens Lumens %
Low(90-100):	51.9 0.3%
High(100-180):	0.000 0%
Trapped Light:	0.000 0%



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**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	4950	4950	4950	4950	4950	4950	4950
15	4860	4860	4860	4860	4860	4860	4860
20	4740	4740	4740	4740	4740	4740	4740
25	4570	4570	4570	4570	4570	4570	4570
30	4380	4380	4380	4380	4380	4380	4380
35	4150	4150	4150	4150	4150	4150	4150
40	3870	3870	3870	3870	3870	3870	3870
45	3570	3570	3570	3570	3570	3570	3570
50	3220	3220	3220	3220	3220	3220	3220
55	2840	2840	2840	2840	2840	2840	2840
60	2410	2410	2410	2410	2410	2410	2410
65	1940	1940	1940	1940	1940	1940	1940
70	1500	1500	1500	1500	1500	1500	1500
75	1050	1050	1050	1050	1050	1050	1050
80	590	590	590	590	590	590	590
85	210	210	210	210	210	210	210
90	70	70	70	70	70	70	70
95	60	60	60	60	60	60	60
100	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0
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