

OUTDOOR PHOTOMETRIC REPORT

CATALOG: CTR-HV5-100W

Manufacturer:

Test #: SLP LIGHTING TEST NO. CTRLUMA100WFULLHAM96W2.4APOLYCLEAR

Test Lab: SLP LIGHTING ENGINEERING LAB

Catalog: CTR-HV5-100W

Description: 1 NEW ROUND 100 WATT BOARD FROM LUMASMART CITADEL ROUND CLEAR POLY FULLHAM 96W

Lamp Catalog: LUMASMART 100W ROUND

Lamp Output: Total luminaire Lumens: 14424.4, **absolute photometry ***

Input Wattage: 100

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

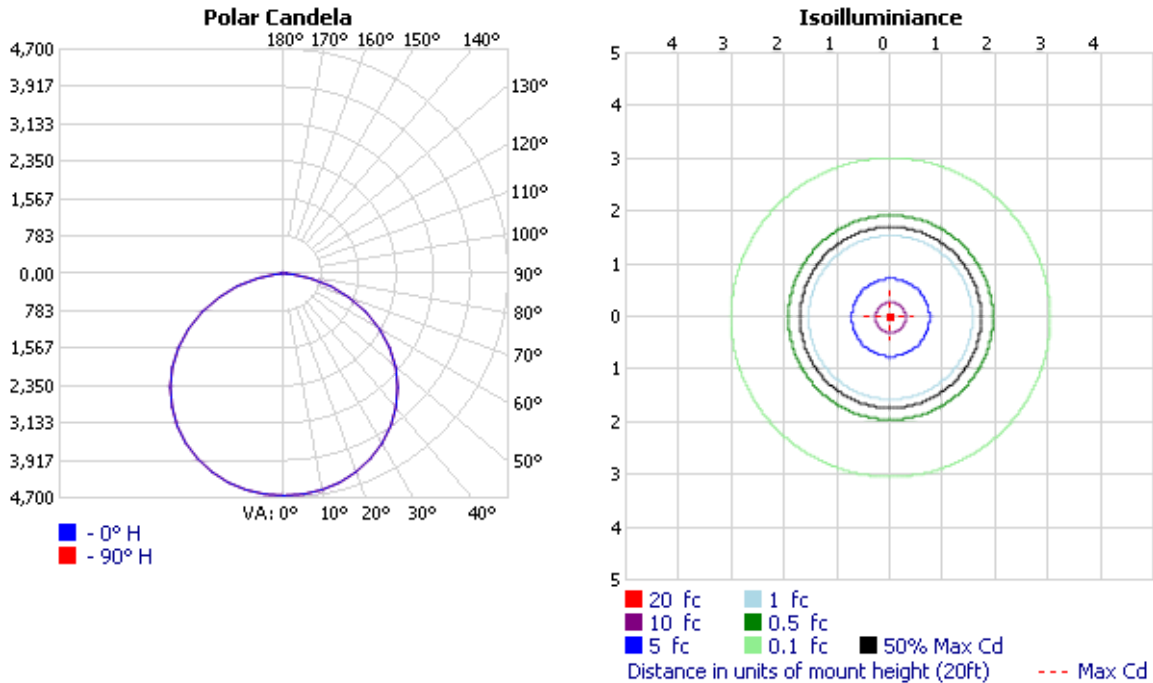
Max Cd: 4,650.0 at Horizontal: 0°, Vertical: 0°

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 2020, ACUITY BRANDS LIGHTING.

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Zonal Lumen Summary

Zone	Lumens	% Luminaire
0-30	3,692.0	25.6%
0-40	6,128.9	42.5%
0-60	11,133.3	77.2%
60-90	3,212.2	22.3%
70-100	1,415.6	9.8%
90-120	78.9	0.5%
0-90	14,345.5	99.5%
90-180	78.9	0.5%
0-180	14,424.4	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	441.3	3.1%	90-100	65.5	0.5%
10-20	1,278.1	8.9%	100-110	13.4	0.1%
20-30	1,972.5	13.7%	110-120	0.000	0%
30-40	2,436.9	16.9%	120-130	0.000	0%
40-50	2,596.6	18.0%	130-140	0.000	0%
50-60	2,407.9	16.7%	140-150	0.000	0%
60-70	1,862.1	12.9%	150-160	0.000	0%
70-80	1,064.5	7.4%	160-170	0.000	0%
80-90	285.6	2.0%	170-180	0.000	0%

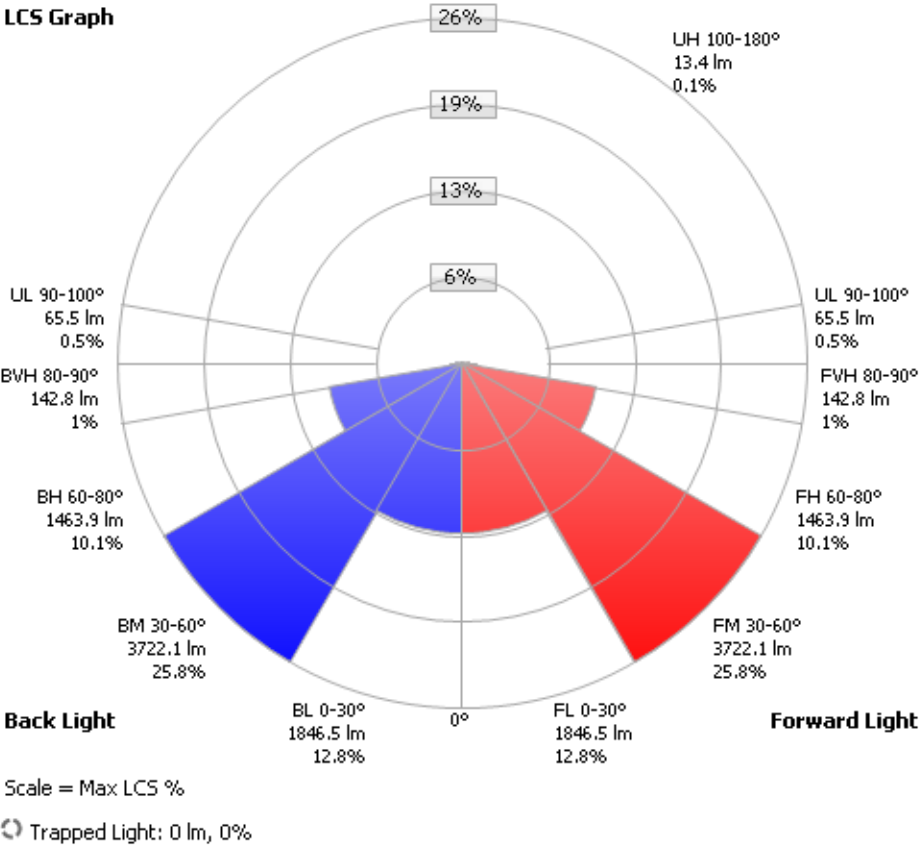
Roadway Summary

Distribution:	Type VS	
Max Cd, 90 Deg Vert:	70.0	
Max Cd, 80 to <90 Deg:	560.0	
	Lumens	% Lamp
Downward Street Side:	7,175.3	49.7%
Downward House Side:	7,175.3	49.7%
Downward Total:	14,350.6	99.5%
Upward Street Side:	39.5	0.3%
Upward House Side:	39.5	0.3%
Upward Total:	78.9	0.5%
Total Lumens:	14,429.5	100%

LCS Table**BUG Rating****B3 - U3 - G2**

Forward Light	Lumens	Lumens %
Low(0-30):	1,846.5	12.8%
Medium(30-60):	3,722.1	25.8%
High(60-80):	1,463.9	10.1%
Very High(80-90):	142.8	1%
Back Light		
Low(0-30):	1,846.5	12.8%
Medium(30-60):	3,722.1	25.8%
High(60-80):	1,463.9	10.1%
Very High(80-90):	142.8	1%
Uplight		
Low(90-100):	65.5	0.5%
High(100-180):	13.4	0.1%
Trapped Light:	0.000	0%

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Candela Table - Type C

	0	15	30	45	60	75	90
0	4650	4650	4650	4650	4650	4650	4650
5	4640	4640	4640	4640	4640	4640	4640
10	4600	4600	4600	4600	4600	4600	4600
15	4530	4530	4530	4530	4530	4530	4530
20	4420	4420	4420	4420	4420	4420	4420
25	4280	4280	4280	4280	4280	4280	4280
30	4110	4110	4110	4110	4110	4110	4110
35	3900	3900	3900	3900	3900	3900	3900
40	3650	3650	3650	3650	3650	3650	3650
45	3370	3370	3370	3370	3370	3370	3370
50	3060	3060	3060	3060	3060	3060	3060
55	2700	2700	2700	2700	2700	2700	2700
60	2310	2310	2310	2310	2310	2310	2310
65	1890	1890	1890	1890	1890	1890	1890
70	1440	1440	1440	1440	1440	1440	1440
75	1020	1020	1020	1020	1020	1020	1020
80	560	560	560	560	560	560	560
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	50	50	50	50	50	50	50
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