

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504345

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (6500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504345
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-A-04-TRWH-PS (6500K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC
TRANSLUCENT WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

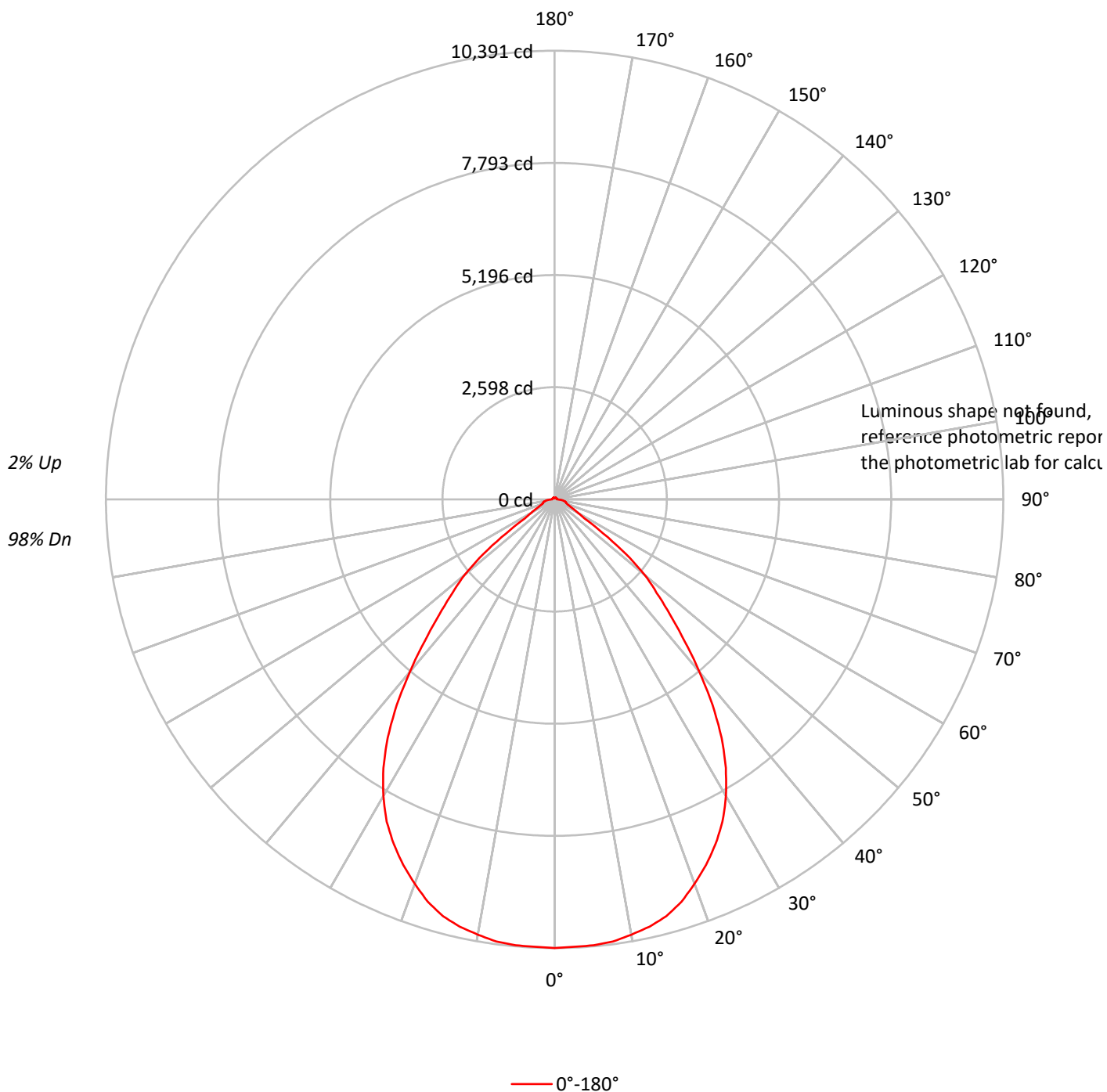
Lumens per Lamp: N/A
Luminaire Lumens: 17441.3 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

Input Watts (W): 123.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	110	110	110	105	105	105	100	100	100	98		
1	111	108	104	102	108	105	102	100	101	98	96	97	95	93	93	91	90	88		
2	104	98	92	88	101	96	91	87	92	88	85	89	85	83	85	83	81	79		
3	97	89	82	77	94	87	81	76	84	79	75	81	77	74	79	75	72	70		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	72	68	65	63		
5	84	74	67	61	82	73	66	61	71	65	60	69	63	59	67	62	59	57		
6	79	68	60	55	77	67	60	55	65	59	54	63	58	54	62	57	53	51		
7	74	63	55	50	72	62	55	50	60	54	49	59	53	49	57	52	48	47		
8	69	58	51	46	68	57	50	45	56	49	45	54	49	45	53	48	44	43		
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39		
10	62	50	43	38	60	49	43	38	48	42	38	47	42	38	46	41	38	36		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	985.5	5.7
10°-20°	2806.4	16.1
20°-30°	4040.5	23.2
30°-40°	4159.1	23.8
40°-50°	2956.4	17.0
50°-60°	1311.9	7.5
60°-70°	425.0	2.4
70°-80°	284.3	1.6
80°-90°	161.6	0.9
90°-100°	58.3	0.3
100°-110°	57.1	0.3
110°-120°	52.7	0.3
120°-130°	45.5	0.3
130°-140°	37.5	0.2
140°-150°	29.4	0.2
150°-160°	19.2	0.1
160°-170°	8.8	0.1
170°-180°	2.2	0.0
0°-30°	7832.4	44.9
0°-40°	11991.4	68.8
0°-60°	16259.7	93.2
0°-90°	17130.5	98.2
90°-120°	168.1	1.0
90°-150°	280.5	1.6
90°-180°	311.0	1.8
0°-180°	17441.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10391	
5°	10367	986
15°	9994	2806
25°	8812	4040
35°	6740	4159
45°	3776	2956
55°	1372	1312
65°	409	425
75°	271	284
85°	152	140
90°	54	37
95°	53	44
105°	54	57
115°	53	53
125°	50	46
135°	48	38
145°	47	29
155°	41	19
165°	30	9
175°	22	2
180°	21	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10391.4
2.5°	10370.3
5°	10366.7
7.5°	10326.9
10°	10236.5
12.5°	10136.8
15°	9993.7
17.5°	9768.5
20°	9472.8
22.5°	9160.8
25°	8812.4
27.5°	8418.2
30°	7933.7
32.5°	7377.7
35°	6739.5
37.5°	6006.3
40°	5209.8
42.5°	4456.6
45°	3776.2
47.5°	3202.6
50°	2731.0
52.5°	2079.9
55°	1372.5
57.5°	805.9
60°	625.3
62.5°	504.4
65°	409.4
67.5°	341.4
70°	306.2
72.5°	283.9
75°	271.0
77.5°	253.4
80°	228.8
82.5°	193.6
85°	152.5
87.5°	105.6
90°	54.0
92.5°	52.8
95°	52.8
97.5°	54.0
100°	54.0
102.5°	54.0
105°	54.0
107.5°	54.0
110°	54.0

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	54.0
115°	52.8
117.5°	52.8
120°	51.6
122.5°	51.6
125°	50.4
127.5°	50.4
130°	49.3
132.5°	49.3
135°	48.1
137.5°	48.1
140°	46.9
142.5°	46.9
145°	46.9
147.5°	46.9
150°	45.8
152.5°	44.6
155°	41.1
157.5°	37.5
160°	36.4
162.5°	32.8
165°	30.5
167.5°	28.2
170°	25.8
172.5°	23.5
175°	22.3
177.5°	21.1
180°	21.1

(END OF REPORT)