

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: P1504300

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504300
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-20)
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-CLER-PS (6500K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC CLEAR SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

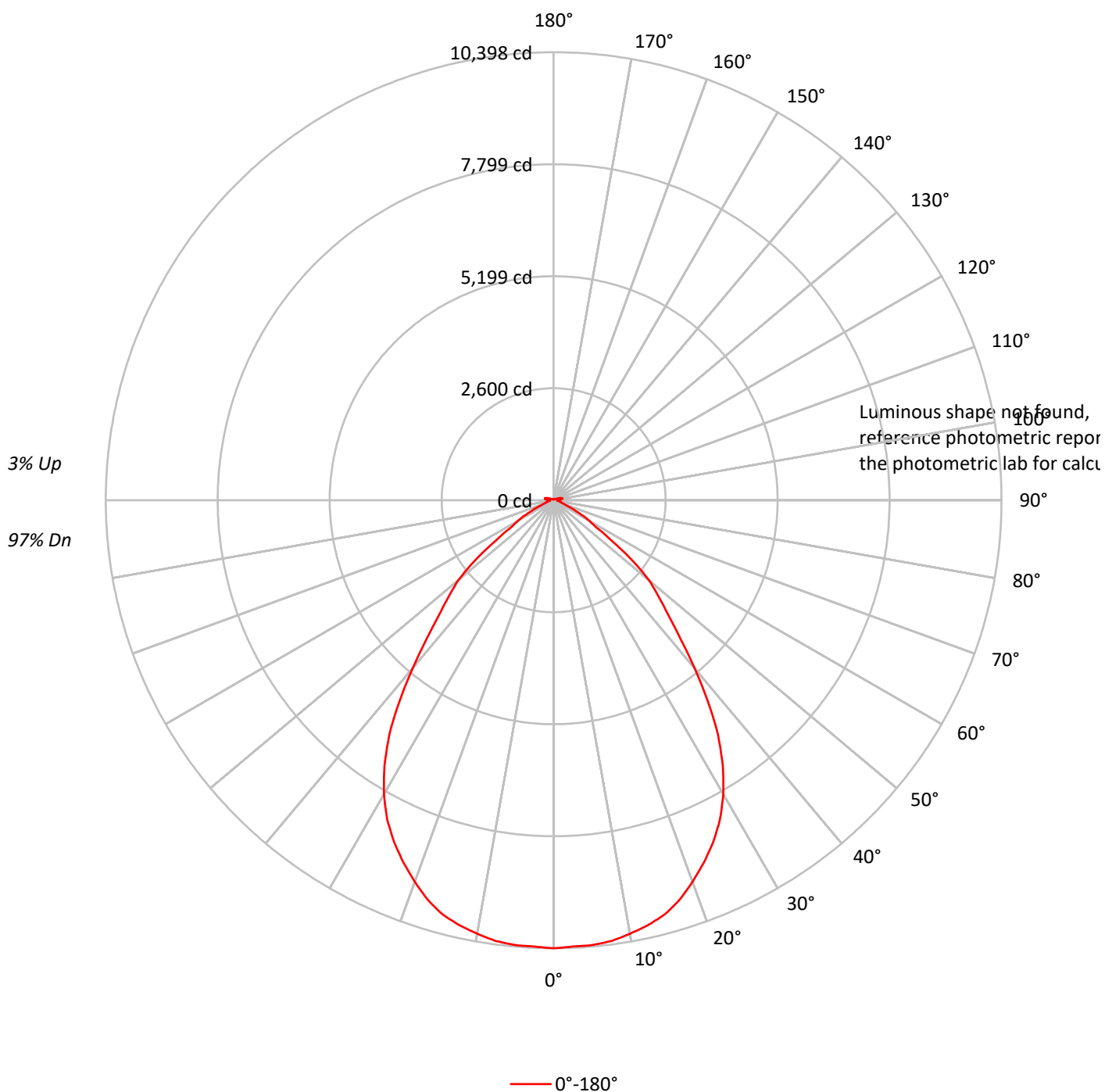
Lumens per Lamp: N/A
Luminaire Lumens: 17803.8 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 1.14 / 1.14 / 1.14
Luminous Opening: Ellipsoidal Spheroid (W: 1.23' x L: 1.23' x H: 0.58')
CIE Type: Direct

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	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97		
1	111	107	104	101	108	105	102	99	100	98	96	96	94	92	92	90	89	87		
2	104	97	92	88	101	95	91	87	91	87	84	88	85	82	84	82	80	78		
3	96	88	82	77	94	87	81	76	83	78	74	80	76	73	78	74	71	69		
4	90	80	73	68	88	79	72	67	76	71	66	74	69	65	71	67	64	62		
5	84	73	66	61	82	72	65	60	70	64	59	68	62	58	66	61	58	56		
6	78	67	60	54	76	66	59	54	64	58	53	62	57	53	61	56	52	50		
7	73	62	54	49	72	61	54	49	59	53	48	58	52	48	56	51	47	46		
8	69	57	50	45	67	56	49	45	55	49	44	54	48	44	52	47	43	42		
9	65	53	46	41	63	52	46	41	51	45	41	50	44	40	49	44	40	38		
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	40	37	35		

AVERAGE LUMINANCE (cd/sqm):



MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	984.7	5.5
10°-20°	2795.5	15.7
20°-30°	4015.2	22.6
30°-40°	4099.8	23.0
40°-50°	2957.3	16.6
50°-60°	1571.9	8.8
60°-70°	530.1	3.0
70°-80°	180.6	1.0
80°-90°	104.1	0.6
90°-100°	173.3	1.0
100°-110°	196.2	1.1
110°-120°	94.0	0.5
120°-130°	36.0	0.2
130°-140°	23.1	0.1
140°-150°	19.4	0.1
150°-160°	14.0	0.1
160°-170°	6.7	0.0
170°-180°	1.8	0.0
0°-30°	7795.4	43.8
0°-40°	11895.2	66.8
0°-60°	16424.4	92.3
0°-90°	17239.3	96.8
90°-120°	463.5	2.6
90°-150°	542.1	3.0
90°-180°	565.0	3.2
0°-180°	17803.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10398	
5°	10363	985
15°	9956	2795
25°	8761	4015
35°	6654	4100
45°	3753	2957
55°	1678	1572
65°	501	530
75°	169	181
85°	87	78
90°	102	58
95°	161	142
105°	192	196
115°	92	94
125°	38	36
135°	29	23
145°	30	19
155°	30	14
165°	24	7
175°	18	2
180°	18	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10398.4
2.5°	10369.1
5°	10363.2
7.5°	10317.5
10°	10215.4
12.5°	10105.1
15°	9956.2
17.5°	9723.9
20°	9424.7
22.5°	9104.5
25°	8760.8
27.5°	8360.7
30°	7877.4
32.5°	7308.5
35°	6653.9
37.5°	5880.8
40°	5085.4
42.5°	4356.9
45°	3752.8
47.5°	3295.3
50°	2890.5
52.5°	2316.9
55°	1677.5
57.5°	1168.4
60°	959.6
62.5°	726.2
65°	500.9
67.5°	329.6
70°	238.1
72.5°	193.6
75°	168.9
77.5°	144.3
80°	117.3
82.5°	96.2
85°	86.8
87.5°	89.2
90°	102.1
92.5°	127.9
95°	160.7
97.5°	192.4
100°	207.6
102.5°	206.5
105°	192.4
107.5°	167.8
110°	140.8

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	115.0
115°	91.5
117.5°	71.6
120°	56.3
122.5°	45.8
125°	37.5
127.5°	32.8
130°	30.5
132.5°	29.3
135°	29.3
137.5°	30.5
140°	30.5
142.5°	30.5
145°	30.5
147.5°	31.7
150°	31.7
152.5°	31.7
155°	30.5
157.5°	29.3
160°	27.0
162.5°	24.6
165°	23.5
167.5°	21.1
170°	19.9
172.5°	18.8
175°	17.6
177.5°	17.6
180°	17.6

(END OF REPORT)