

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: P1504372

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504372
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-23)
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-WHGL-PS (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

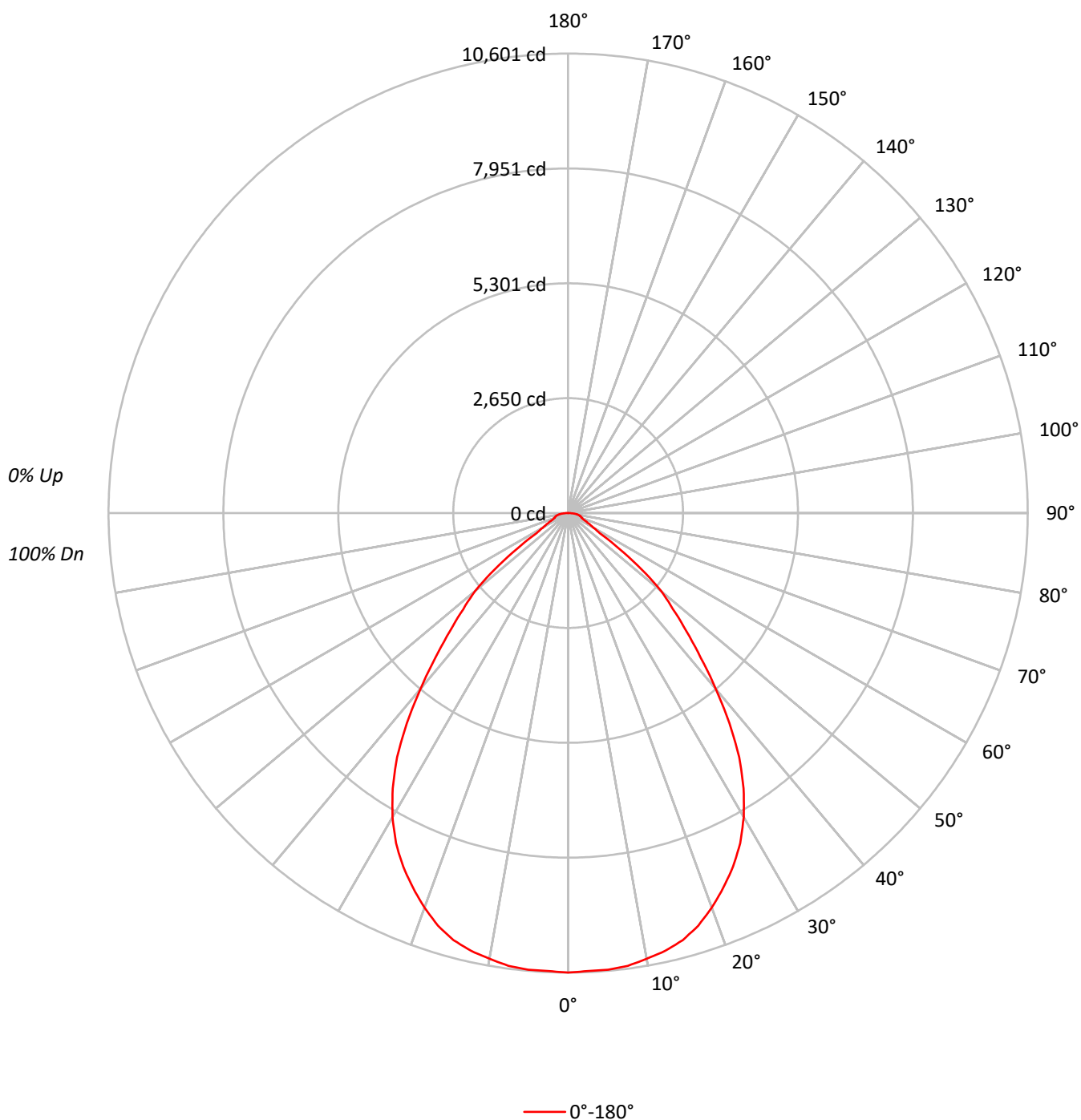
Lumens per Lamp: N/A
Luminaire Lumens: 17542.2 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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	111	111	111	106	106	106	102	102	102	100		
1	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	96820
5°	96949
10°	96826
15°	96461
20°	94134
25°	90707
30°	85420
35°	76655
40°	63166
45°	49747
50°	39841
55°	22750
60°	12452
65°	9805
70°	9164
75°	10561
80°	12491
85°	14314

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49747 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1005.3	5.7
10°-20°	2865.9	16.3
20°-30°	4126.0	23.5
30°-40°	4239.3	24.2
40°-50°	3016.0	17.2
50°-60°	1366.1	7.8
60°-70°	469.8	2.7
70°-80°	312.0	1.8
80°-90°	141.9	0.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	7997.2	45.6
0°-40°	12236.4	69.8
0°-60°	16618.5	94.7
0°-90°	17542.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17542.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10601	
5°	10575	###
15°	10202	2866
25°	9001	4126
35°	6875	4239
45°	3852	3016
55°	1429	1366
65°	454	470
75°	299	312
85°	137	142
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10601.2
2.5°	10572.7
5°	10575.0
7.5°	10535.8
10°	10440.8
12.5°	10345.8
15°	10202.1
17.5°	9981.2
20°	9685.5
22.5°	9354.1
25°	9001.4
27.5°	8590.4
30°	8099.9
32.5°	7528.7
35°	6875.4
37.5°	6109.4
40°	5298.2
42.5°	4529.8
45°	3851.6
47.5°	3281.5
50°	2804.1
52.5°	2146.1
55°	1428.8
57.5°	861.1
60°	681.7
62.5°	554.6
65°	453.7
67.5°	381.2
70°	343.2
72.5°	317.1
75°	299.3
77.5°	274.4
80°	237.5
82.5°	192.4
85°	136.6
87.5°	73.6
90°	0.0

(END OF REPORT)