

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: P1504572

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504572
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-48)
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-06-WHGL-PS (6500K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

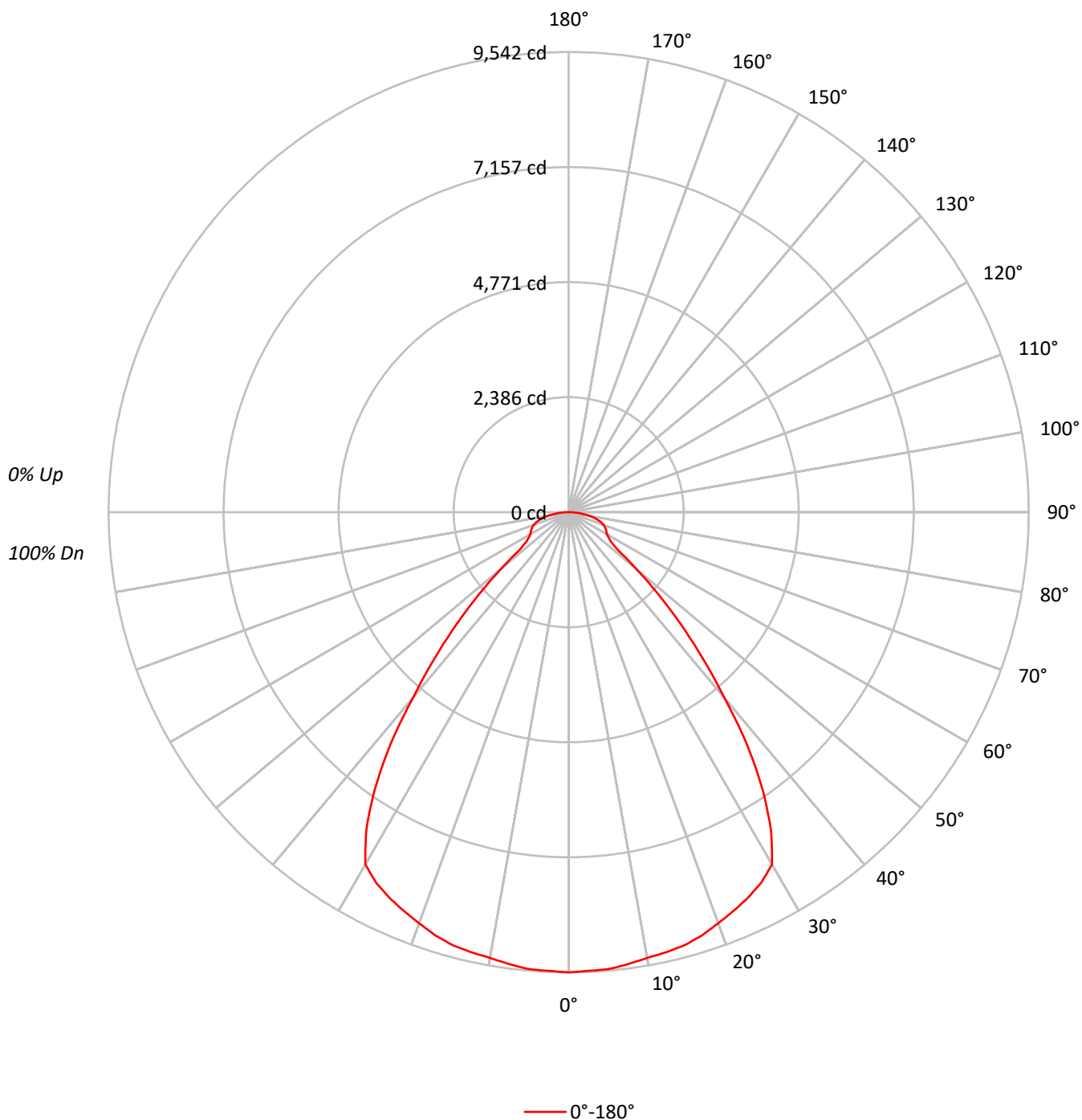
Lumens per Lamp: N/A
Luminaire Lumens: 17217.2 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	73	65	59	82	72	64	59	70	63	59	68	62	58	66	61	57	56		
6	78	67	59	54	76	66	59	53	64	58	53	63	57	52	61	56	52	50		
7	73	61	54	49	72	61	53	48	59	53	48	58	52	48	57	51	47	46		
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42		
9	65	53	45	41	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78382
5°	78430
10°	78271
15°	79043
20°	79291
25°	79883
30°	80016
35°	70289
40°	53941
45°	38185
50°	23342
55°	15440
60°	15052
65°	16576
70°	18539
75°	20144
80°	20530
85°	19566

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	903.2	5.2
10°-20°	2622.3	15.2
20°-30°	4061.1	23.6
30°-40°	4297.4	25.0
40°-50°	2552.8	14.8
50°-60°	1049.9	6.1
60°-70°	842.9	4.9
70°-80°	657.4	3.8
80°-90°	230.1	1.3
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°	7586.6	44.1
0°-40°	11884.1	69.0
0°-60°	15486.8	89.9
0°-90°	17217.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17217.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9542	
5°	9512	903
15°	9294	2622
25°	8814	4061
35°	7009	4297
45°	3287	2553
55°	1078	1050
65°	853	843
75°	635	657
85°	208	230
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9542.0
2.5°	9517.4
5°	9511.5
7.5°	9450.5
10°	9383.7
12.5°	9346.1
15°	9294.5
17.5°	9198.3
20°	9070.5
22.5°	8946.1
25°	8813.6
27.5°	8654.0
30°	8435.8
32.5°	7811.7
35°	7009.3
37.5°	6076.7
40°	5030.3
42.5°	4117.6
45°	3287.0
47.5°	2526.9
50°	1826.5
52.5°	1279.9
55°	1078.1
57.5°	981.9
60°	916.2
62.5°	884.5
65°	852.8
67.5°	818.8
70°	771.9
72.5°	709.7
75°	634.7
77.5°	543.1
80°	434.0
82.5°	320.3
85°	207.6
87.5°	100.9
90°	0.0

(END OF REPORT)