

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: P1504533

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504533
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 (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

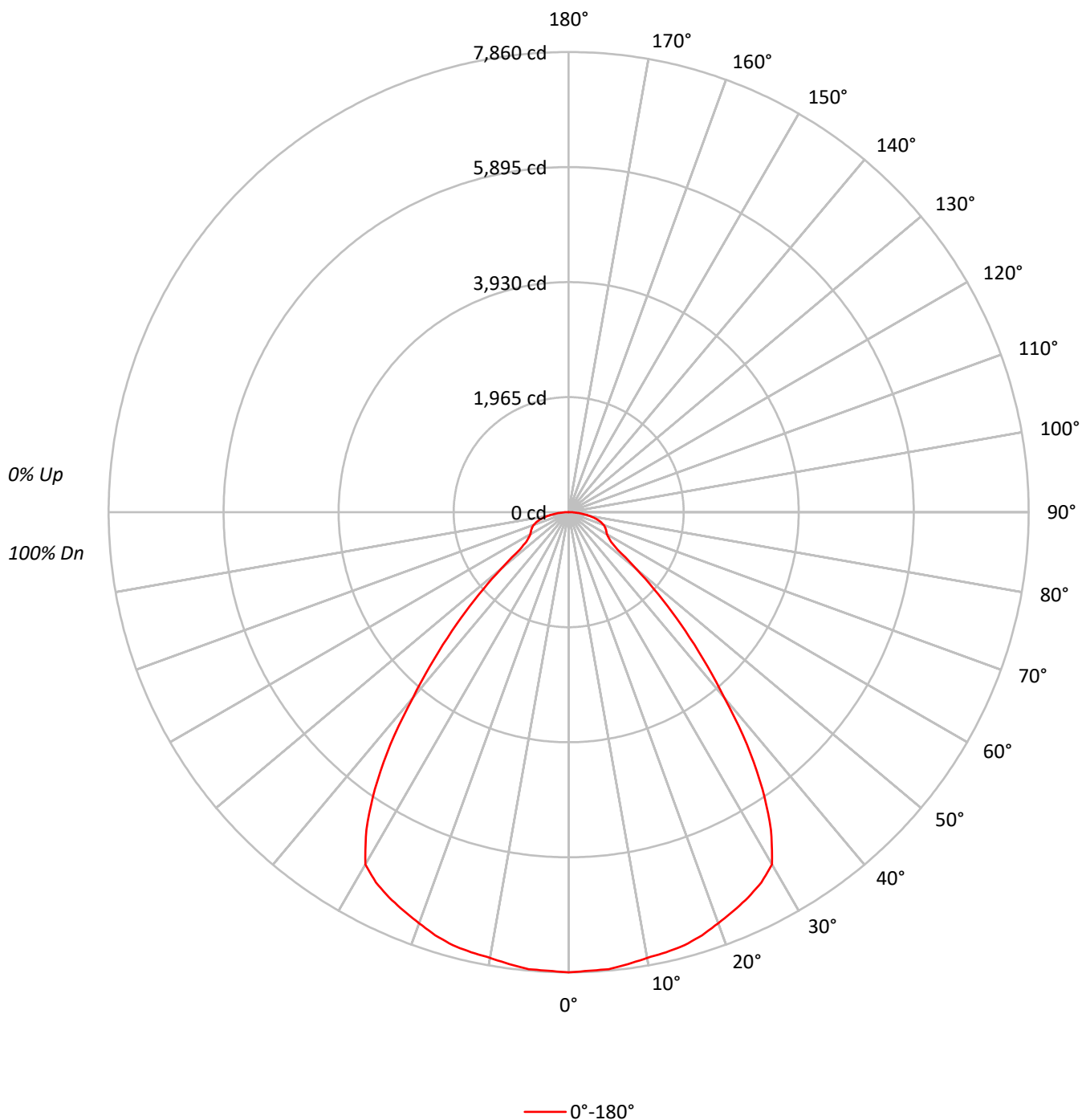
Lumens per Lamp: N/A
Luminaire Lumens: 14182.8 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 102.3
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°	64568
5°	64608
10°	64477
15°	65112
20°	65317
25°	65804
30°	65914
35°	57902
40°	44434
45°	31455
50°	19228
55°	12719
60°	12399
65°	13655
70°	15273
75°	16593
80°	16916
85°	16117

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31455 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	744.1	5.2
10°-20°	2160.2	15.2
20°-30°	3345.3	23.6
30°-40°	3540.1	25.0
40°-50°	2102.9	14.8
50°-60°	864.8	6.1
60°-70°	694.3	4.9
70°-80°	541.5	3.8
80°-90°	189.6	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°	6249.5	44.1
0°-40°	9789.6	69.0
0°-60°	12757.4	89.9
0°-90°	14182.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14182.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7860	
5°	7835	744
15°	7656	2160
25°	7260	3345
35°	5774	3540
45°	2708	2103
55°	888	865
65°	702	694
75°	523	542
85°	171	190
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7860.3
2.5°	7840.1
5°	7835.2
7.5°	7785.0
10°	7729.9
12.5°	7699.0
15°	7656.4
17.5°	7577.2
20°	7471.9
22.5°	7369.4
25°	7260.2
27.5°	7128.8
30°	6949.1
32.5°	6435.0
35°	5774.0
37.5°	5005.7
40°	4143.7
42.5°	3391.9
45°	2707.7
47.5°	2081.5
50°	1504.6
52.5°	1054.3
55°	888.1
57.5°	808.8
60°	754.7
62.5°	728.6
65°	702.5
67.5°	674.5
70°	635.9
72.5°	584.6
75°	522.8
77.5°	447.4
80°	357.6
82.5°	263.8
85°	171.0
87.5°	83.1
90°	0.0

(END OF REPORT)