

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: P1504555

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (5000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504555
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-47)
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 (5000K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

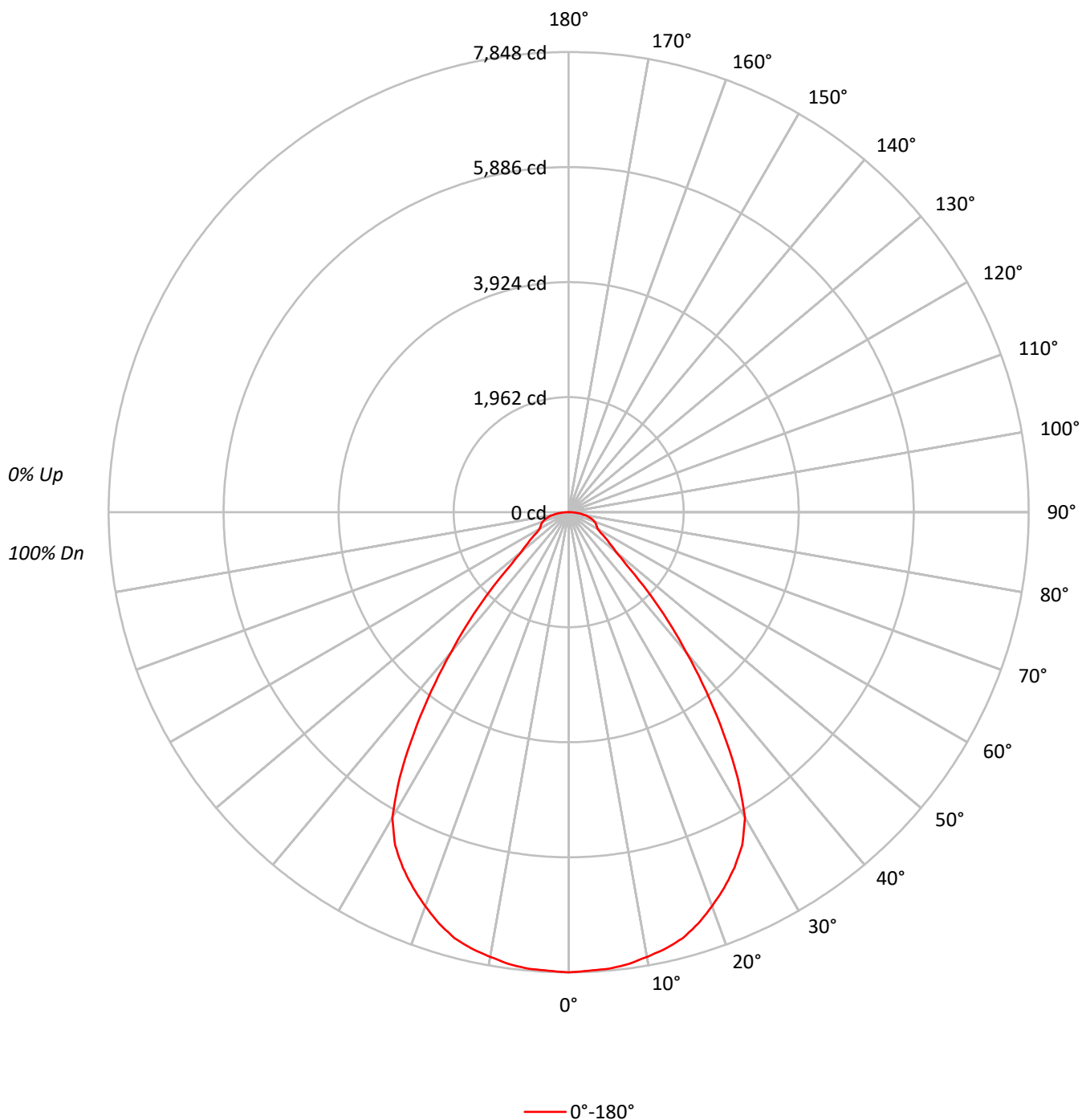
Lumens per Lamp: N/A
Luminaire Lumens: 12026.8 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 81.1
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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	64470
5°	64456
10°	64228
15°	63963
20°	62510
25°	60636
30°	57066
35°	46163
40°	33545
45°	21905
50°	13551
55°	10917
60°	9402
65°	10115
70°	11271
75°	12191
80°	12971
85°	13242

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21905 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	742.4	6.2
10°-20°	2113.1	17.6
20°-30°	3064.7	25.5
30°-40°	2851.8	23.7
40°-50°	1491.4	12.4
50°-60°	694.5	5.8
60°-70°	516.7	4.3
70°-80°	400.8	3.3
80°-90°	151.5	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°	5920.2	49.2
0°-40°	8772.0	72.9
0°-60°	10957.8	91.1
0°-90°	12026.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12026.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7848	
5°	7817	742
15°	7521	2113
25°	6690	3065
35°	4603	2852
45°	1886	1491
55°	762	694
65°	520	517
75°	384	401
85°	140	152
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7848.3
2.5°	7827.0
5°	7816.8
7.5°	7774.2
10°	7700.1
12.5°	7626.9
15°	7521.3
17.5°	7355.2
20°	7150.8
22.5°	6932.8
25°	6690.0
27.5°	6407.3
30°	6016.3
32.5°	5360.5
35°	4603.4
37.5°	3851.3
40°	3128.3
42.5°	2496.3
45°	1885.6
47.5°	1344.8
50°	1060.4
52.5°	892.6
55°	762.3
57.5°	643.9
60°	572.3
62.5°	544.2
65°	520.4
67.5°	499.1
70°	469.3
72.5°	430.1
75°	384.1
77.5°	332.2
80°	274.2
82.5°	209.5
85°	140.5
87.5°	69.8
90°	0.0

(END OF REPORT)