

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: P1504365

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504365
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-24)
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 (3500K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

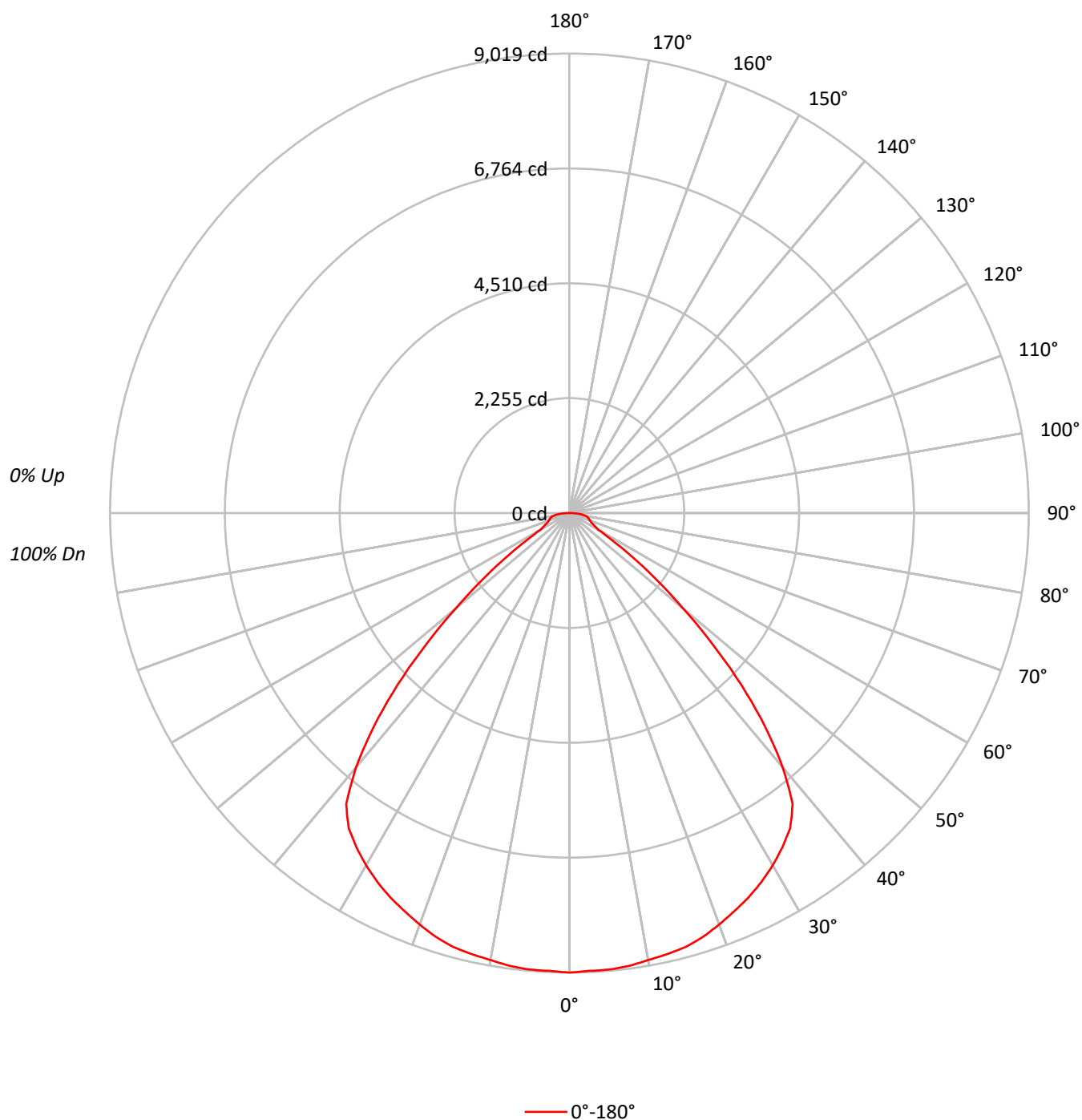
Lumens per Lamp: N/A
Luminaire Lumens: 18023.4 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 120.7
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	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41		
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82368
5°	82447
10°	82623
15°	83367
20°	83543
25°	83861
30°	84186
35°	84209
40°	77711
45°	61644
50°	41306
55°	24324
60°	11898
65°	10902
70°	11482
75°	13691
80°	16851
85°	20633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61644 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	855.8	4.7
10°-20°	2487.2	13.8
20°-30°	3837.7	21.3
30°-40°	4660.9	25.9
40°-50°	3638.6	20.2
50°-60°	1429.0	7.9
60°-70°	511.2	2.8
70°-80°	404.6	2.2
80°-90°	198.4	1.1
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°	7180.7	39.8
0°-40°	11841.6	65.7
0°-60°	16909.2	93.8
0°-90°	18023.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18023.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9019	
5°	8993	856
15°	8817	2487
25°	8322	3838
35°	7553	4661
45°	4773	3639
55°	1528	1429
65°	504	511
75°	388	405
85°	197	198
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	9018.8
2.5°	8994.3
5°	8993.1
7.5°	8965.2
10°	8909.3
12.5°	8866.1
15°	8817.2
17.5°	8722.8
20°	8595.8
22.5°	8458.3
25°	8322.0
27.5°	8165.8
30°	7982.9
32.5°	7780.2
35°	7552.9
37.5°	7198.7
40°	6518.2
42.5°	5693.3
45°	4772.7
47.5°	3814.9
50°	2907.2
52.5°	2160.3
55°	1527.6
57.5°	991.6
60°	651.4
62.5°	566.3
65°	504.5
67.5°	454.4
70°	430.0
72.5°	406.7
75°	388.0
77.5°	361.2
80°	320.4
82.5°	269.2
85°	196.9
87.5°	102.5
90°	0.0

(END OF REPORT)