

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: P1504743

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504743
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-36)
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-B-04-WHGL-PS (5000K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

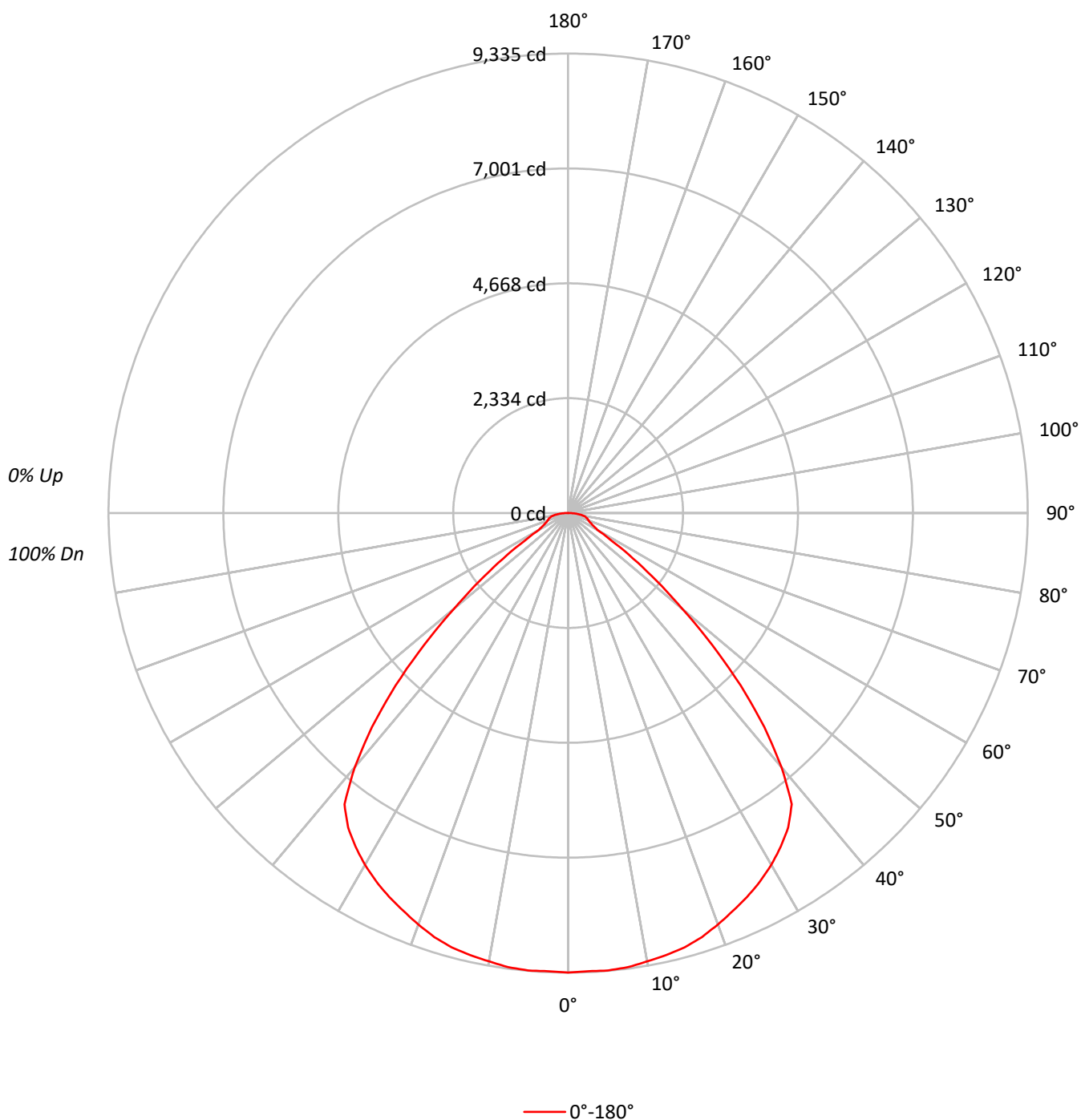
Lumens per Lamp: N/A
Luminaire Lumens: 18656.0 lumens
Efficiency: N/A
Efficacy: 155.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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	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	72	70		
4	89	80	72	67	87	78	72	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	46	40	36	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80799
5°	81035
10°	81278
15°	81847
20°	81926
25°	82165
30°	82456
35°	82329
40°	76171
45°	60651
50°	40794
55°	24357
60°	11898
65°	10791
70°	11211
75°	13176
80°	15696
85°	17717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60651 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	887.8	4.8
10°-20°	2577.0	13.8
20°-30°	3967.9	21.3
30°-40°	4817.8	25.8
40°-50°	3773.6	20.2
50°-60°	1502.4	8.1
60°-70°	534.2	2.9
70°-80°	410.1	2.2
80°-90°	185.2	1.0
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°	7432.7	39.8
0°-40°	12250.5	65.7
0°-60°	17526.5	93.9
0°-90°	18656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18656.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9335	
5°	9327	888
15°	9134	2577
25°	8604	3968
35°	7792	4818
45°	4955	3774
55°	1614	1502
65°	527	534
75°	394	410
85°	178	185
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	9335.1
2.5°	9317.1
5°	9326.7
7.5°	9305.1
10°	9247.7
12.5°	9197.4
15°	9133.9
17.5°	9032.1
20°	8894.4
22.5°	8747.1
25°	8603.5
27.5°	8440.6
30°	8250.2
32.5°	8035.9
35°	7791.6
37.5°	7459.9
40°	6741.5
42.5°	5894.9
45°	4954.9
47.5°	3961.1
50°	3029.5
52.5°	2261.9
55°	1614.1
57.5°	1054.9
60°	687.3
62.5°	595.1
65°	526.9
67.5°	471.8
70°	443.0
72.5°	417.9
75°	394.0
77.5°	361.6
80°	314.9
82.5°	256.2
85°	178.4
87.5°	88.6
90°	0.0

(END OF REPORT)