

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: P1504914

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504914
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-60)
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-06-WHGL-PS (4000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

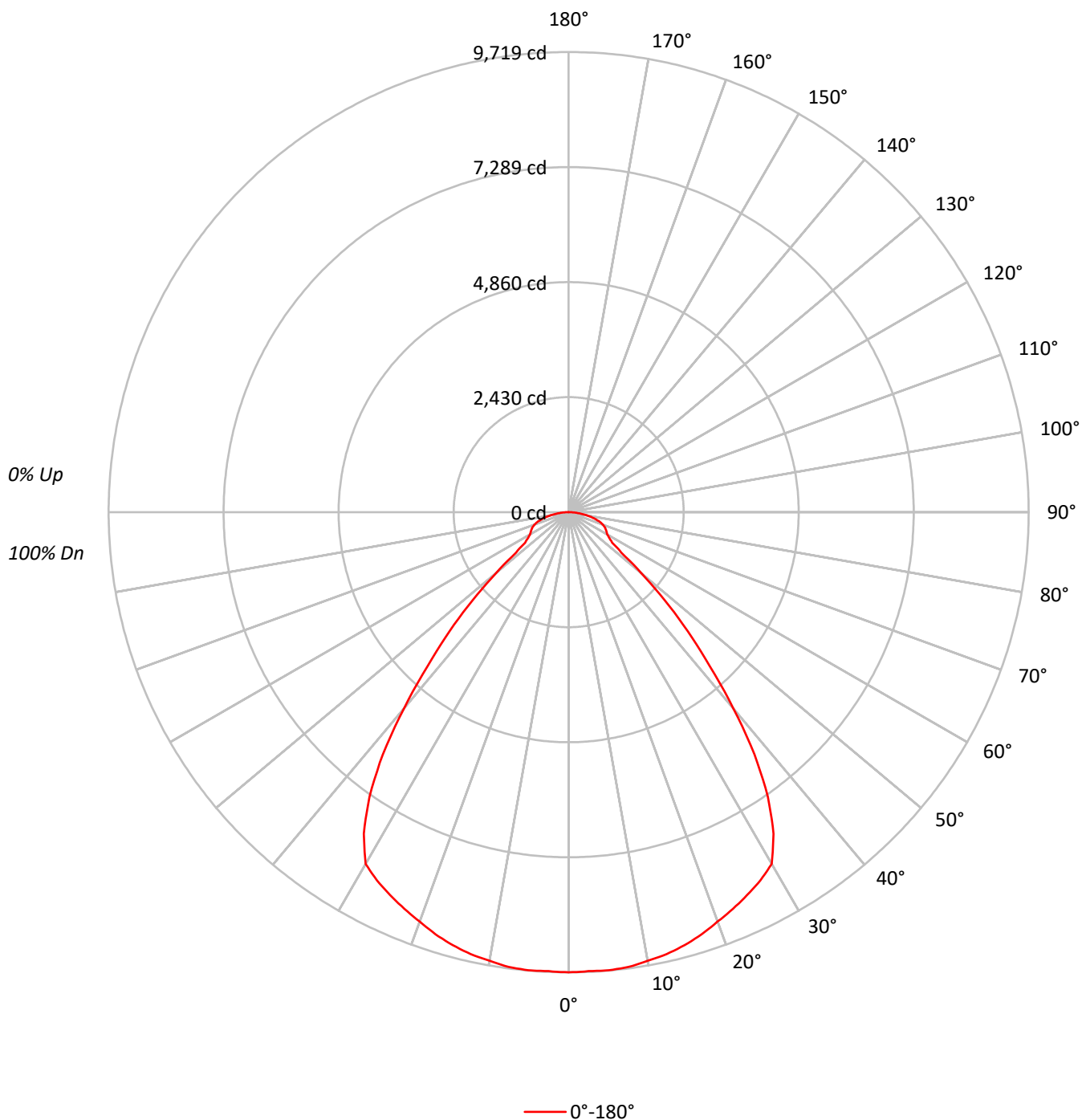
Lumens per Lamp: N/A
Luminaire Lumens: 17759.6 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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					0
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	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69			
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	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	62	57	52	61	56	52	50			
7	73	61	54	48	71	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	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38			
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	78814
5°	79067
10°	79247
15°	79490
20°	79414
25°	79852
30°	80308
35°	72639
40°	57370
45°	40781
50°	25218
55°	15885
60°	15295
65°	16614
70°	18191
75°	18978
80°	18195
85°	16795

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40781 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	924.3	5.2
10°-20°	2672.0	15.0
20°-30°	4116.9	23.2
30°-40°	4490.5	25.3
40°-50°	2754.4	15.5
50°-60°	1116.7	6.3
60°-70°	854.8	4.8
70°-80°	627.7	3.5
80°-90°	202.3	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°	7713.2	43.4
0°-40°	12203.7	68.7
0°-60°	16074.8	90.5
0°-90°	17759.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17759.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9719	
5°	9713	924
15°	9468	2672
25°	8924	4117
35°	7337	4490
45°	3556	2754
55°	1124	1117
65°	866	855
75°	606	628
85°	180	202
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9718.7
2.5°	9703.3
5°	9712.8
7.5°	9687.8
10°	9623.7
12.5°	9560.8
15°	9468.1
17.5°	9348.2
20°	9202.1
22.5°	9067.9
25°	8924.2
27.5°	8768.6
30°	8576.2
32.5°	8054.8
35°	7337.4
37.5°	6450.2
40°	5419.3
42.5°	4403.9
45°	3555.9
47.5°	2742.3
50°	1998.9
52.5°	1401.5
55°	1123.5
57.5°	1019.0
60°	943.0
62.5°	903.8
65°	865.8
67.5°	824.2
70°	767.2
72.5°	693.6
75°	605.7
77.5°	501.2
80°	389.6
82.5°	281.5
85°	180.5
87.5°	86.7
90°	0.0

(END OF REPORT)