

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: P1504714

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504714
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-35)
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 (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

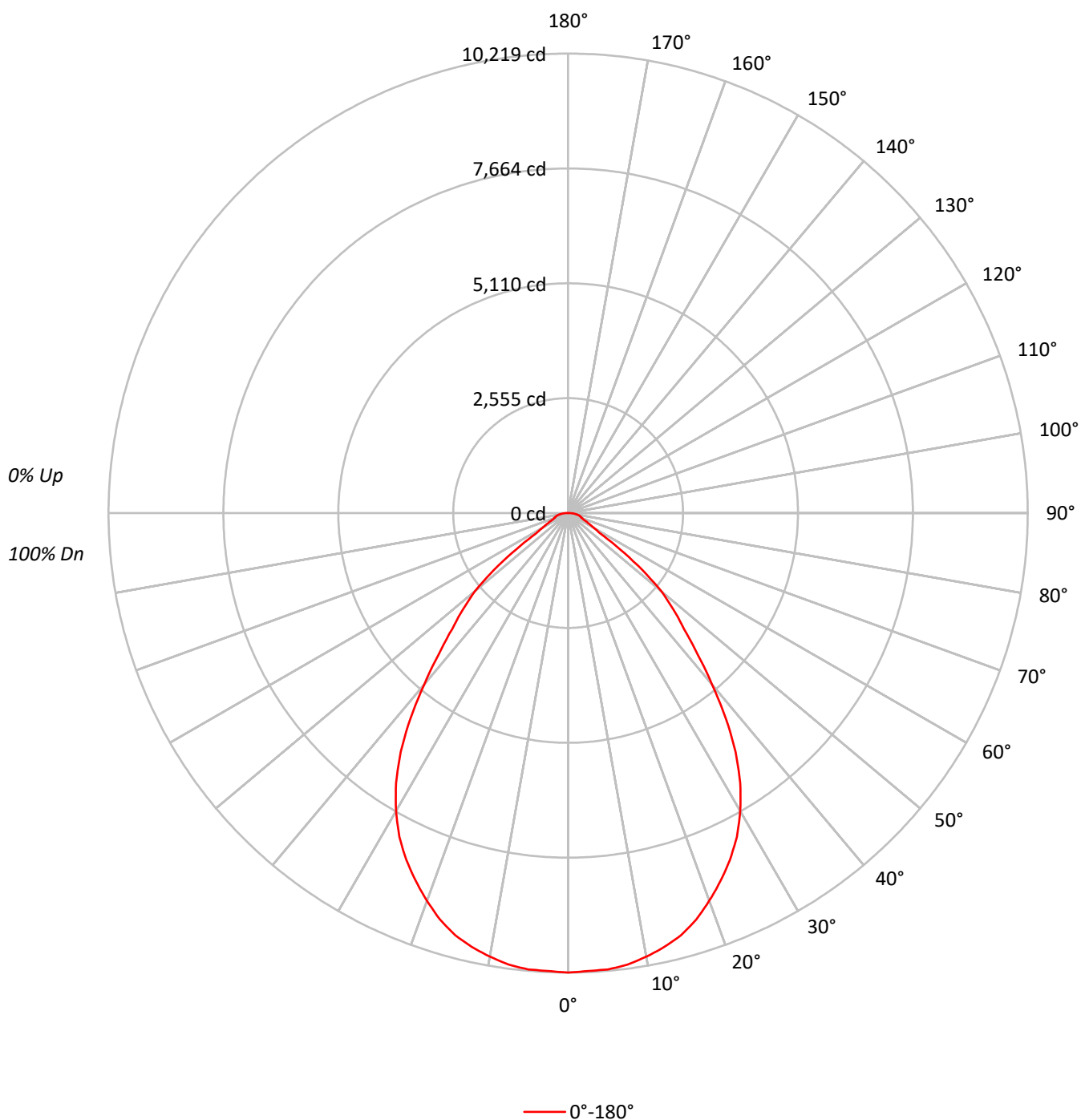
Lumens per Lamp: N/A
Luminaire Lumens: 16655.0 lumens
Efficiency: N/A
Efficacy: 135.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 122.9
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	88451
5°	88506
10°	88029
15°	87082
20°	84514
25°	81287
30°	76522
35°	68555
40°	56210
45°	44626
50°	36474
55°	21142
60°	11455
65°	8927
70°	8217
75°	9280
80°	10527
85°	11381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44626 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	966.9	5.8
10°-20°	2728.8	16.4
20°-30°	3903.0	23.4
30°-40°	4000.8	24.0
40°-50°	2865.1	17.2
50°-60°	1329.5	8.0
60°-70°	451.2	2.7
70°-80°	288.5	1.7
80°-90°	121.1	0.7
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°	7598.7	45.6
0°-40°	11599.5	69.6
0°-60°	15794.2	94.8
0°-90°	16655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16655.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10219	
5°	10187	967
15°	9718	2729
25°	8512	3903
35°	6488	4001
45°	3646	2865
55°	1401	1330
65°	436	451
75°	278	289
85°	115	121
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10219.1
2.5°	10192.2
5°	10186.6
7.5°	10129.3
10°	10015.8
12.5°	9885.5
15°	9718.1
17.5°	9476.5
20°	9175.4
22.5°	8855.2
25°	8511.5
27.5°	8121.6
30°	7656.5
32.5°	7117.2
35°	6488.1
37.5°	5763.4
40°	4974.8
42.5°	4262.5
45°	3645.7
47.5°	3170.5
50°	2708.7
52.5°	2082.9
55°	1401.0
57.5°	843.7
60°	661.7
62.5°	534.8
65°	435.9
67.5°	362.9
70°	324.7
72.5°	297.7
75°	277.5
77.5°	249.4
80°	211.2
82.5°	165.2
85°	114.6
87.5°	59.5
90°	0.0

(END OF REPORT)