

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: P1504742

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (5000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504742
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-34)
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_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

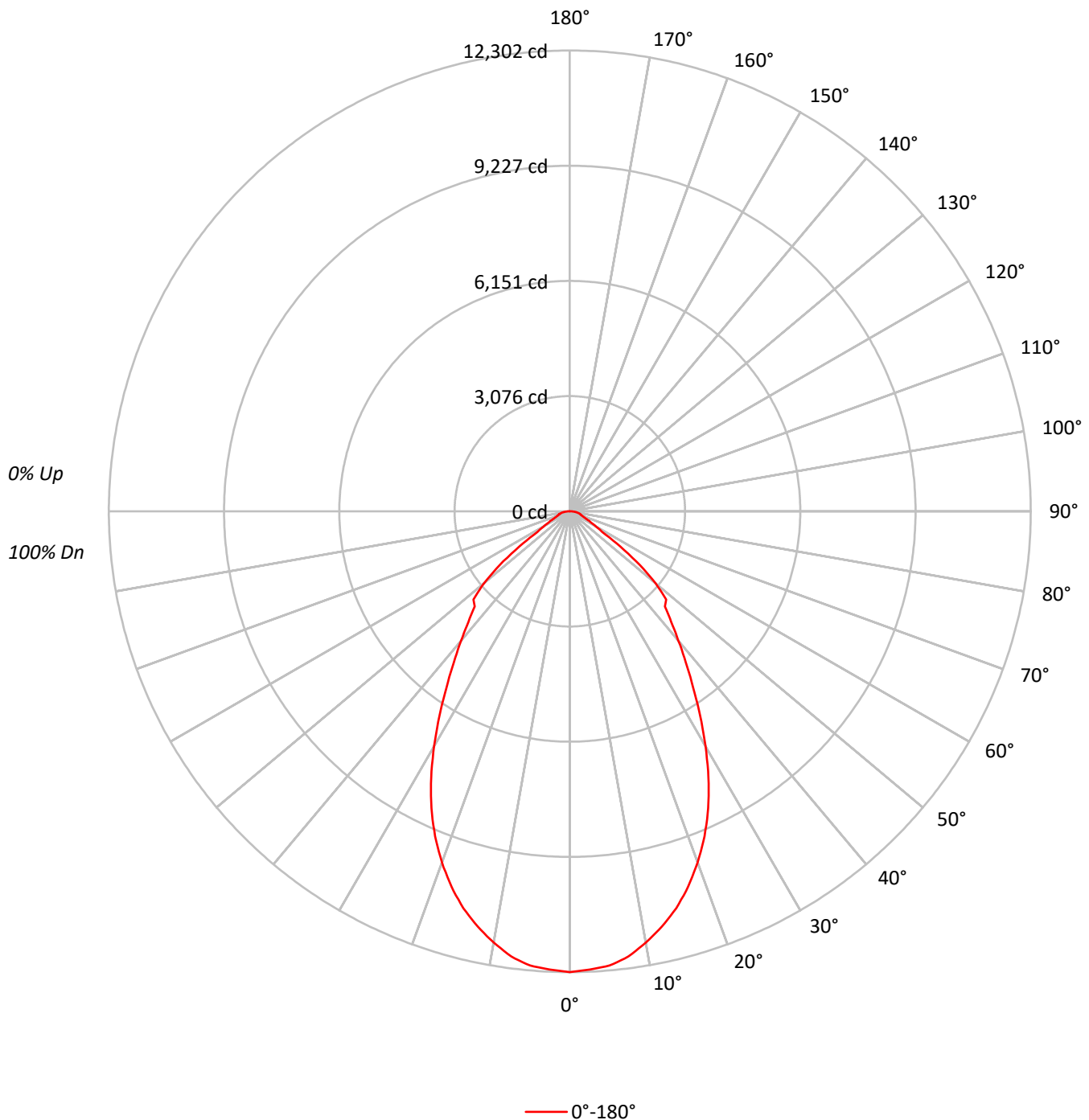
Lumens per Lamp: N/A
Luminaire Lumens: 17138.4 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	60	68	64	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	50	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	47	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	106482
5°	105765
10°	102736
15°	98307
20°	91885
25°	83492
30°	72368
35°	60554
40°	50952
45°	43957
50°	40246
55°	24810
60°	13951
65°	10103
70°	8759
75°	9692
80°	10921
85°	11301

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 44704 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1146.5	6.7
10°-20°	3069.9	17.9
20°-30°	3984.6	23.2
30°-40°	3603.9	21.0
40°-50°	2857.3	16.7
50°-60°	1532.8	8.9
60°-70°	519.1	3.0
70°-80°	302.3	1.8
80°-90°	122.0	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°	8201.0	47.9
0°-40°	11804.9	68.9
0°-60°	16195.0	94.5
0°-90°	17138.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17138.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12302	
5°	12173	###
15°	10971	3070
25°	8742	3985
35°	5731	3604
45°	3591	2857
55°	1644	1533
65°	493	519
75°	290	302
85°	114	122
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12302.3
2.5°	12244.8
5°	12173.0
7.5°	11988.6
10°	11689.2
12.5°	11357.5
15°	10970.8
17.5°	10506.2
20°	9975.7
22.5°	9392.6
25°	8742.4
27.5°	8011.9
30°	7240.8
32.5°	6474.4
35°	5730.8
37.5°	5081.8
40°	4509.5
42.5°	4000.6
45°	3591.1
47.5°	3489.3
50°	2988.8
52.5°	2362.5
55°	1644.1
57.5°	1021.4
60°	805.9
62.5°	633.4
65°	493.3
67.5°	401.1
70°	346.1
72.5°	312.5
75°	289.8
77.5°	259.8
80°	219.1
82.5°	168.8
85°	113.8
87.5°	56.3
90°	0.0

(END OF REPORT)