

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: P1504374

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504374
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

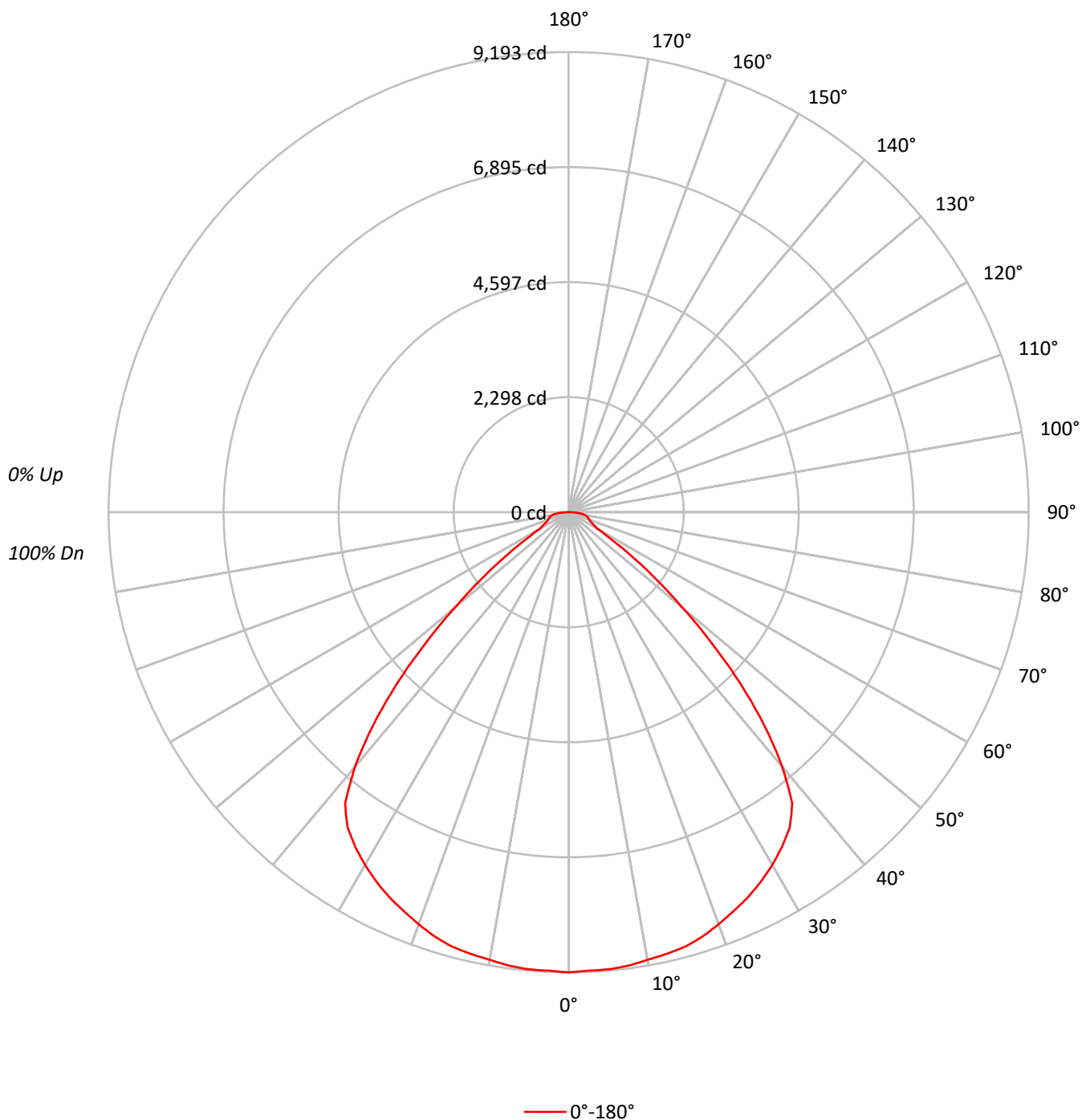
Lumens per Lamp: N/A
Luminaire Lumens: 18370.8 lumens
Efficiency: N/A
Efficacy: 154.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	83955
5°	84036
10°	84214
15°	84974
20°	85153
25°	85477
30°	85808
35°	85832
40°	79208
45°	62832
50°	42102
55°	24792
60°	12127
65°	11114
70°	11704
75°	13956
80°	17177
85°	21031

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62832 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	872.3	4.7
10°-20°	2535.1	13.8
20°-30°	3911.7	21.3
30°-40°	4750.7	25.9
40°-50°	3708.7	20.2
50°-60°	1456.5	7.9
60°-70°	521.1	2.8
70°-80°	412.4	2.2
80°-90°	202.2	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°	7319.1	39.8
0°-40°	12069.8	65.7
0°-60°	17235.1	93.8
0°-90°	18370.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18370.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9193	
5°	9166	872
15°	8987	2535
25°	8482	3912
35°	7698	4751
45°	4865	3709
55°	1557	1456
65°	514	521
75°	396	412
85°	201	202
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9192.6
2.5°	9167.6
5°	9166.5
7.5°	9137.9
10°	9080.9
12.5°	9037.0
15°	8987.1
17.5°	8890.9
20°	8761.5
22.5°	8621.3
25°	8482.4
27.5°	8323.2
30°	8136.7
32.5°	7930.1
35°	7698.5
37.5°	7337.4
40°	6643.8
42.5°	5803.0
45°	4864.7
47.5°	3888.4
50°	2963.2
52.5°	2201.9
55°	1557.0
57.5°	1010.7
60°	663.9
62.5°	577.2
65°	514.3
67.5°	463.2
70°	438.3
72.5°	414.5
75°	395.5
77.5°	368.2
80°	326.6
82.5°	274.4
85°	200.7
87.5°	104.5
90°	0.0

(END OF REPORT)