

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: P1504725

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504725
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

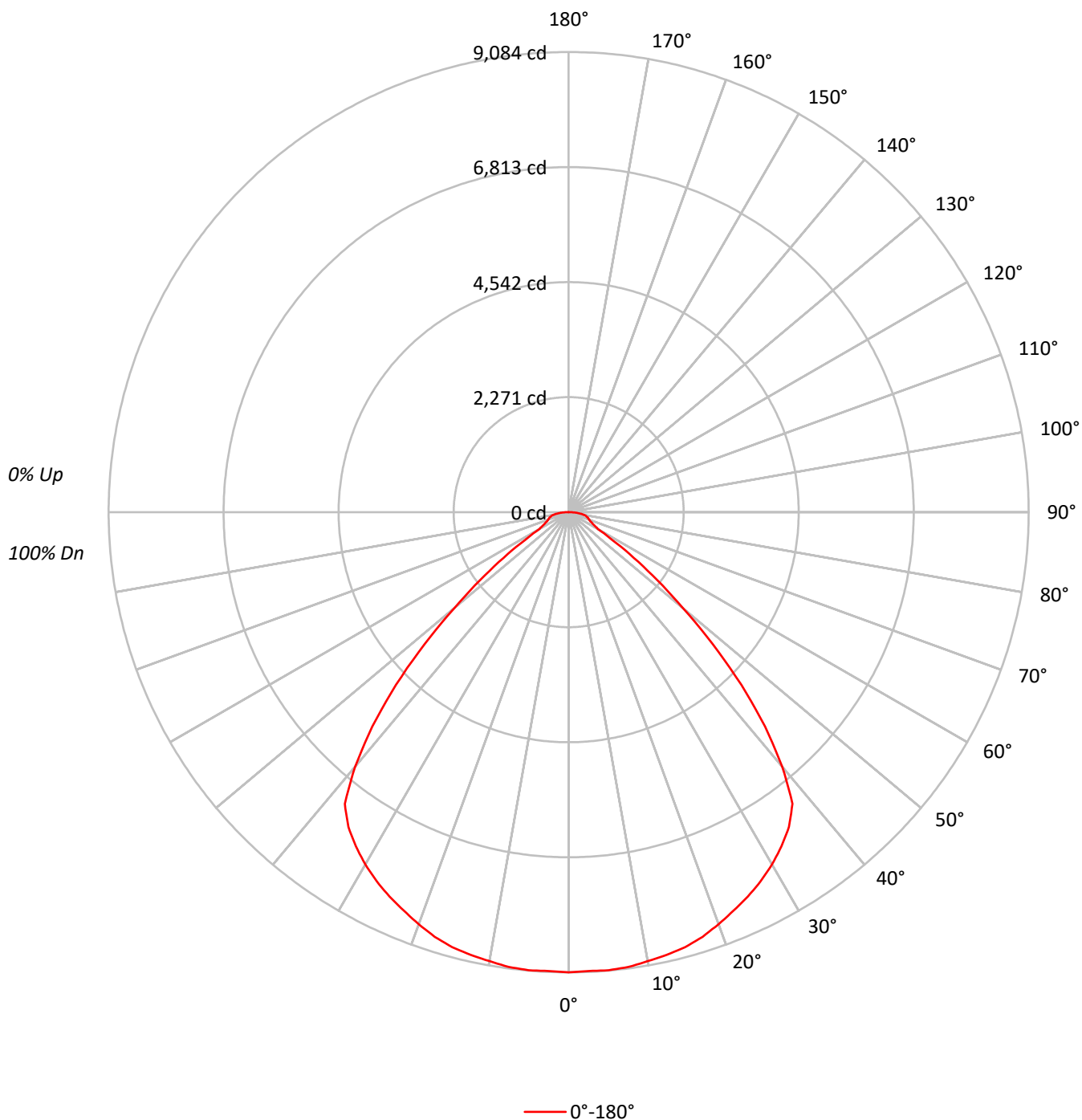
Lumens per Lamp: N/A
Luminaire Lumens: 18154.4 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 120.7
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°	78626
5°	78856
10°	79092
15°	79646
20°	79722
25°	79955
30°	80238
35°	80115
40°	74123
45°	59021
50°	39696
55°	23702
60°	11578
65°	10500
70°	10910
75°	12822
80°	15277
85°	17240

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 59021 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	863.9	4.8
10°-20°	2507.7	13.8
20°-30°	3861.2	21.3
30°-40°	4688.3	25.8
40°-50°	3672.1	20.2
50°-60°	1462.0	8.1
60°-70°	519.8	2.9
70°-80°	399.1	2.2
80°-90°	180.3	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°	7232.8	39.8
0°-40°	11921.0	65.7
0°-60°	17055.2	93.9
0°-90°	18154.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18154.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9084	
5°	9076	864
15°	8888	2508
25°	8372	3861
35°	7582	4688
45°	4822	3672
55°	1571	1462
65°	513	520
75°	383	399
85°	174	180
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9084.0
2.5°	9066.6
5°	9075.9
7.5°	9054.9
10°	8999.0
12.5°	8950.0
15°	8888.3
17.5°	8789.2
20°	8655.2
22.5°	8511.9
25°	8372.1
27.5°	8213.6
30°	8028.3
32.5°	7819.8
35°	7582.1
37.5°	7259.3
40°	6560.2
42.5°	5736.4
45°	4821.7
47.5°	3854.5
50°	2948.0
52.5°	2201.1
55°	1570.7
57.5°	1026.6
60°	668.8
62.5°	579.1
65°	512.7
67.5°	459.1
70°	431.1
72.5°	406.7
75°	383.4
77.5°	351.9
80°	306.5
82.5°	249.4
85°	173.6
87.5°	86.2
90°	0.0

(END OF REPORT)