

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: P1504716

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504716
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

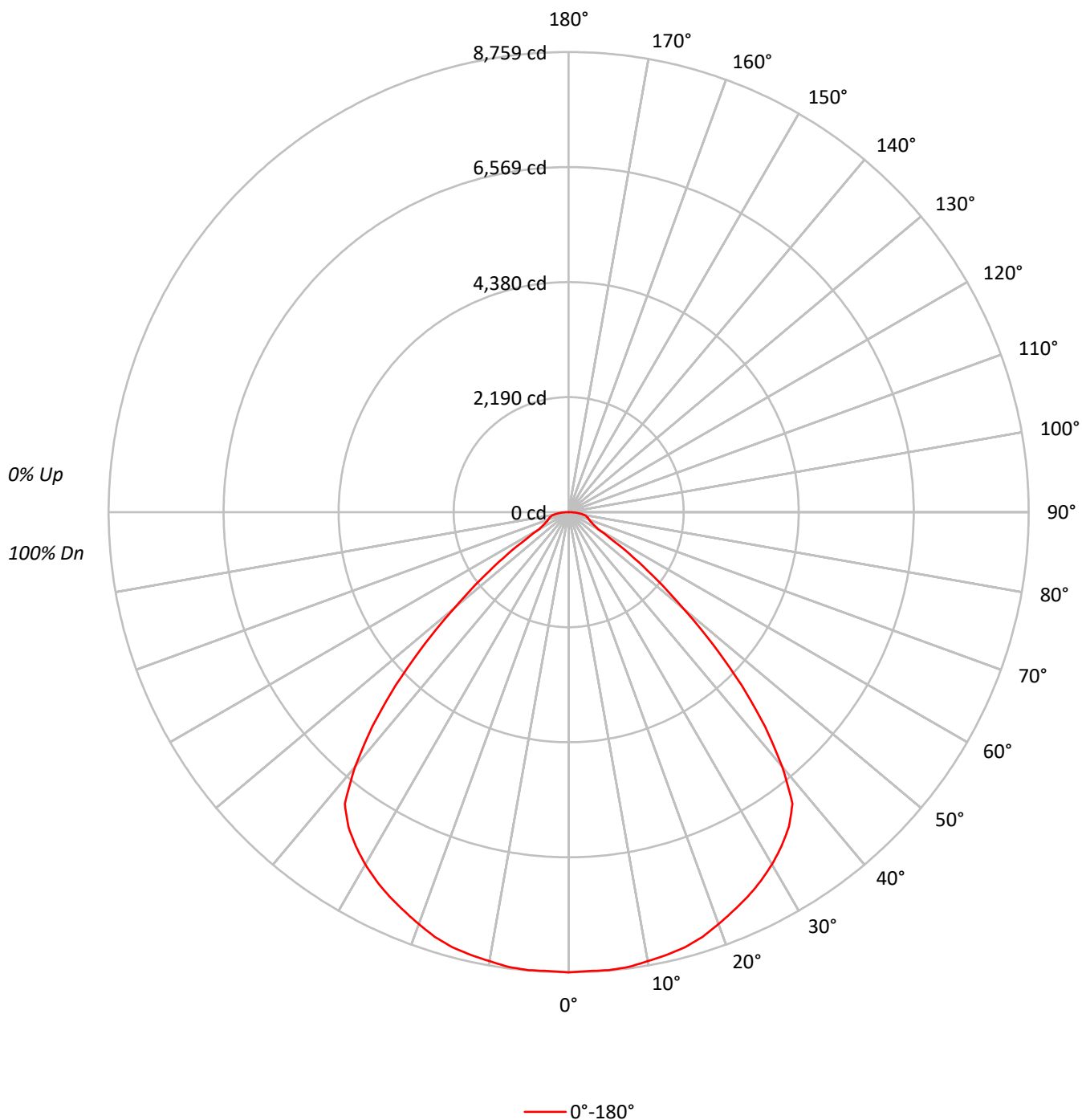
Lumens per Lamp: N/A
Luminaire Lumens: 17504.0 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	75810
5°	76031
10°	76258
15°	76793
20°	76867
25°	77091
30°	77365
35°	77245
40°	71468
45°	56906
50°	38274
55°	22853
60°	11164
65°	10124
70°	10520
75°	12360
80°	14729
85°	16625

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56906 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	833.0	4.8
10°-20°	2417.9	13.8
20°-30°	3722.9	21.3
30°-40°	4520.3	25.8
40°-50°	3540.6	20.2
50°-60°	1409.6	8.1
60°-70°	501.2	2.9
70°-80°	384.8	2.2
80°-90°	173.8	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°	6973.7	39.8
0°-40°	11494.0	65.7
0°-60°	16444.2	93.9
0°-90°	17504.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17504.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8759	
5°	8751	833
15°	8570	2418
25°	8072	3723
35°	7310	4520
45°	4649	3541
55°	1514	1410
65°	494	501
75°	370	385
85°	167	174
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8758.6
2.5°	8741.8
5°	8750.8
7.5°	8730.5
10°	8676.6
12.5°	8629.4
15°	8569.9
17.5°	8474.4
20°	8345.2
22.5°	8207.0
25°	8072.2
27.5°	7919.4
30°	7740.8
32.5°	7539.6
35°	7310.5
37.5°	6999.3
40°	6325.2
42.5°	5530.9
45°	4648.9
47.5°	3716.5
50°	2842.4
52.5°	2122.2
55°	1514.4
57.5°	989.8
60°	644.9
62.5°	558.4
65°	494.3
67.5°	442.6
70°	415.7
72.5°	392.1
75°	369.6
77.5°	339.3
80°	295.5
82.5°	240.4
85°	167.4
87.5°	83.1
90°	0.0

(END OF REPORT)