

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: P1504722

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504722
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_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

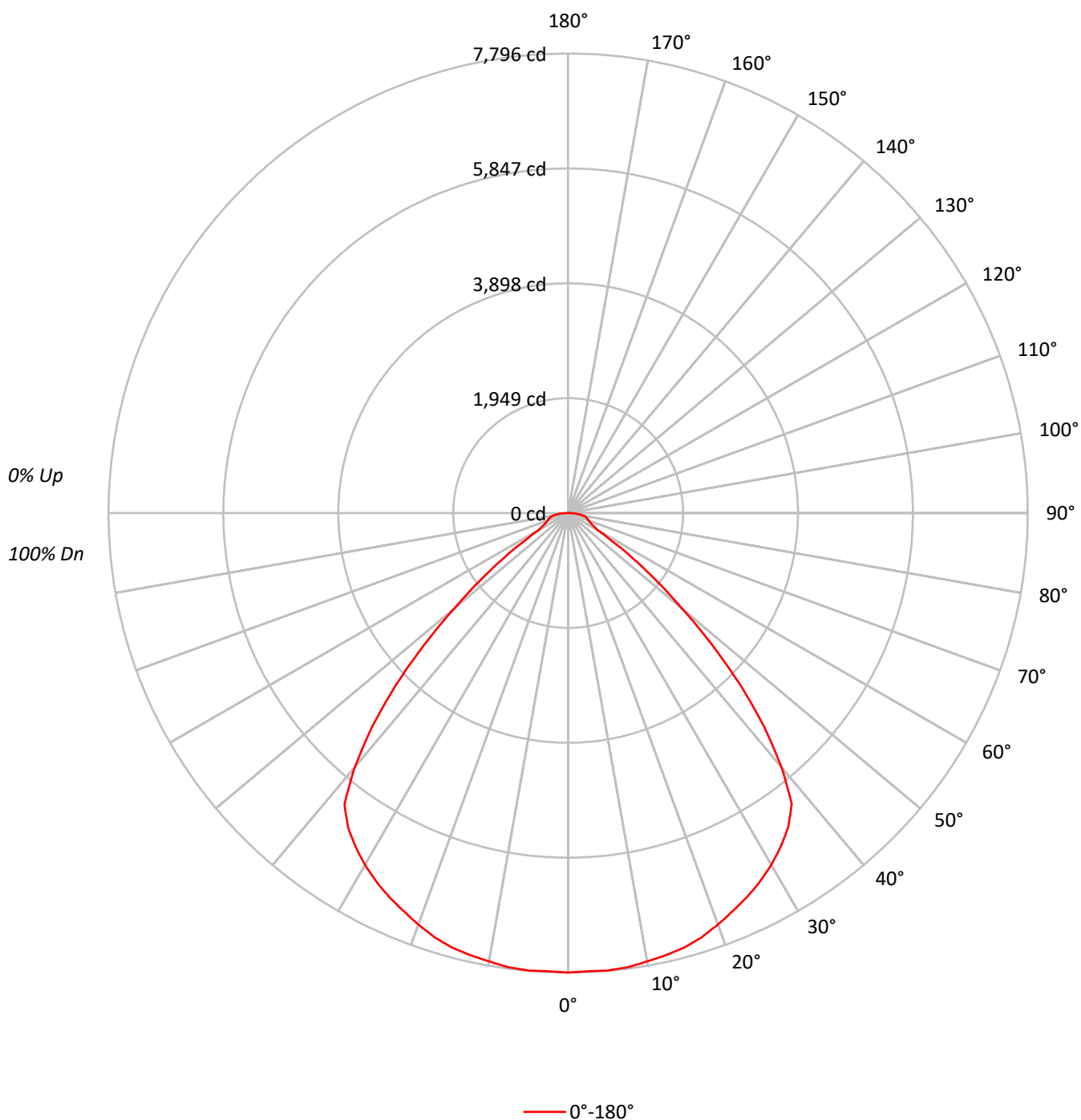
Lumens per Lamp: N/A
Luminaire Lumens: 15580.2 lumens
Efficiency: N/A
Efficacy: 155.3 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 100.3
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	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°	67478
5°	67675
10°	67877
15°	68353
20°	68419
25°	68618
30°	68862
35°	68755
40°	63613
45°	50652
50°	34068
55°	20342
60°	9936
65°	9011
70°	9364
75°	11002
80°	13109
85°	14797

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50652 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	741.4	4.8
10°-20°	2152.2	13.8
20°-30°	3313.7	21.3
30°-40°	4023.5	25.8
40°-50°	3151.4	20.2
50°-60°	1254.7	8.1
60°-70°	446.1	2.9
70°-80°	342.5	2.2
80°-90°	154.7	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°	6207.2	39.8
0°-40°	10230.8	65.7
0°-60°	14636.9	93.9
0°-90°	15580.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15580.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7796	
5°	7789	741
15°	7628	2152
25°	7185	3314
35°	6507	4024
45°	4138	3151
55°	1348	1255
65°	440	446
75°	329	343
85°	149	155
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7796
2.5°	7781
5°	7789
7.5°	7771
10°	7723
12.5°	7681
15°	7628
17.5°	7543
20°	7428
22.5°	7305
25°	7185
27.5°	7049
30°	6890
32.5°	6711
35°	6507
37.5°	6230
40°	5630
42.5°	4923
45°	4138
47.5°	3308
50°	2530
52.5°	1889
55°	1348
57.5°	881
60°	574
62.5°	497
65°	440
67.5°	394
70°	370
72.5°	349
75°	329
77.5°	302
80°	263
82.5°	214
85°	149
87.5°	74
90°	0

(END OF REPORT)