

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: P1504710

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504710
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_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

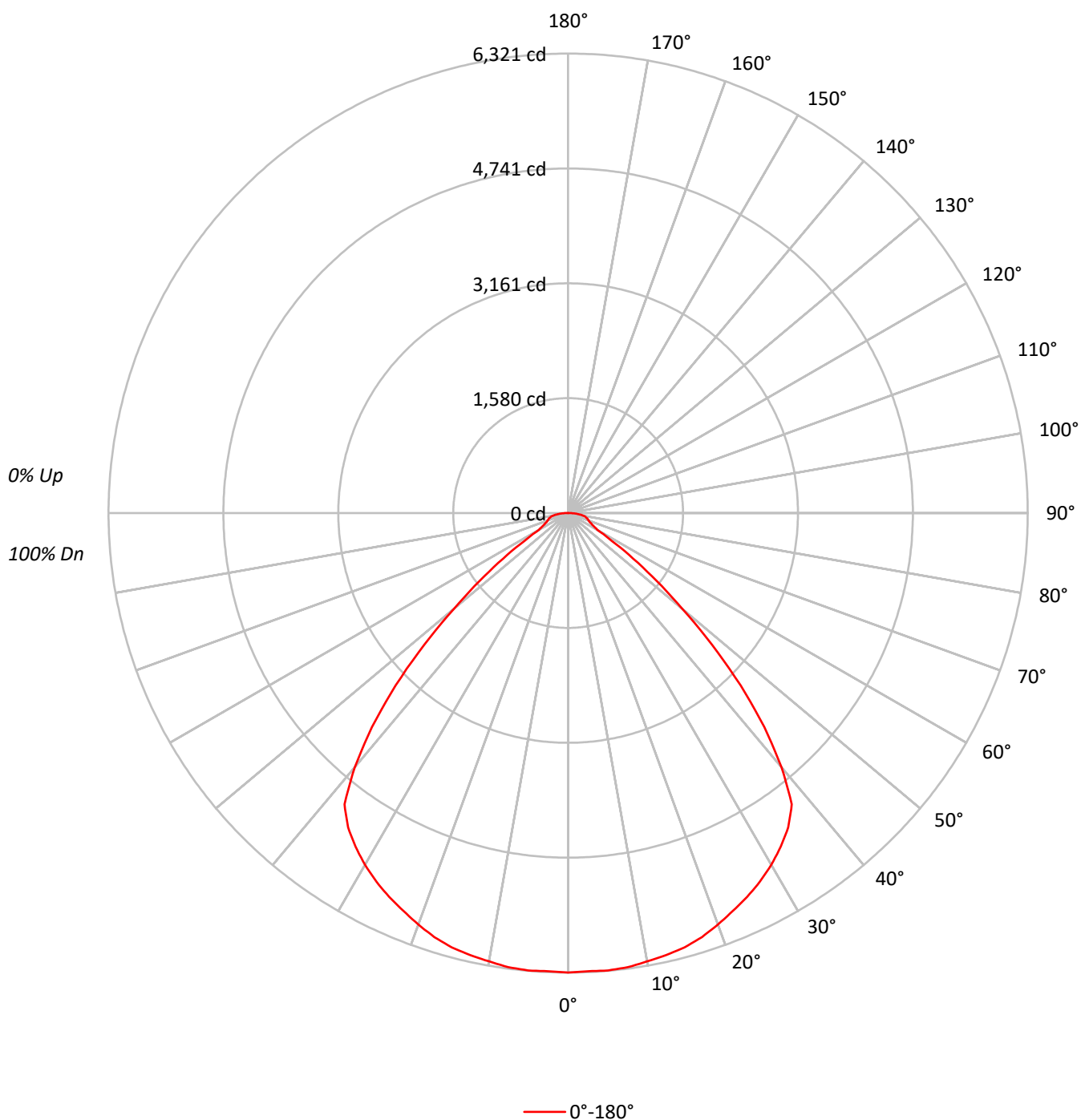
Lumens per Lamp: N/A
Luminaire Lumens: 12632.7 lumens
Efficiency: N/A
Efficacy: 152.6 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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°	54712
5°	54871
10°	55036
15°	55421
20°	55475
25°	55637
30°	55834
35°	55748
40°	51578
45°	41070
50°	27623
55°	16494
60°	8056
65°	7307
70°	7592
75°	8922
80°	10627
85°	11997

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41070 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.1	4.8
10°-20°	1745.0	13.8
20°-30°	2686.8	21.3
30°-40°	3262.3	25.8
40°-50°	2555.2	20.2
50°-60°	1017.3	8.1
60°-70°	361.7	2.9
70°-80°	277.7	2.2
80°-90°	125.4	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°	5032.9	39.8
0°-40°	8295.2	65.7
0°-60°	11867.8	93.9
0°-90°	12632.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12632.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6321	
5°	6315	601
15°	6185	1745
25°	5826	2687
35°	5276	3262
45°	3355	2555
55°	1093	1017
65°	357	362
75°	267	278
85°	121	125
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6321.1
2.5°	6308.9
5°	6315.4
7.5°	6300.8
10°	6261.9
12.5°	6227.9
15°	6184.9
17.5°	6116.0
20°	6022.7
22.5°	5923.0
25°	5825.7
27.5°	5715.4
30°	5586.5
32.5°	5441.4
35°	5276.0
37.5°	5051.4
40°	4564.9
42.5°	3991.6
45°	3355.2
47.5°	2682.2
50°	2051.4
52.5°	1531.6
55°	1093.0
57.5°	714.3
60°	465.4
62.5°	403.0
65°	356.8
67.5°	319.5
70°	300.0
72.5°	283.0
75°	266.8
77.5°	244.9
80°	213.2
82.5°	173.5
85°	120.8
87.5°	60.0
90°	0.0

(END OF REPORT)