

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: P1504231

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504231
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-17)
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-BLAK-PS (4000K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

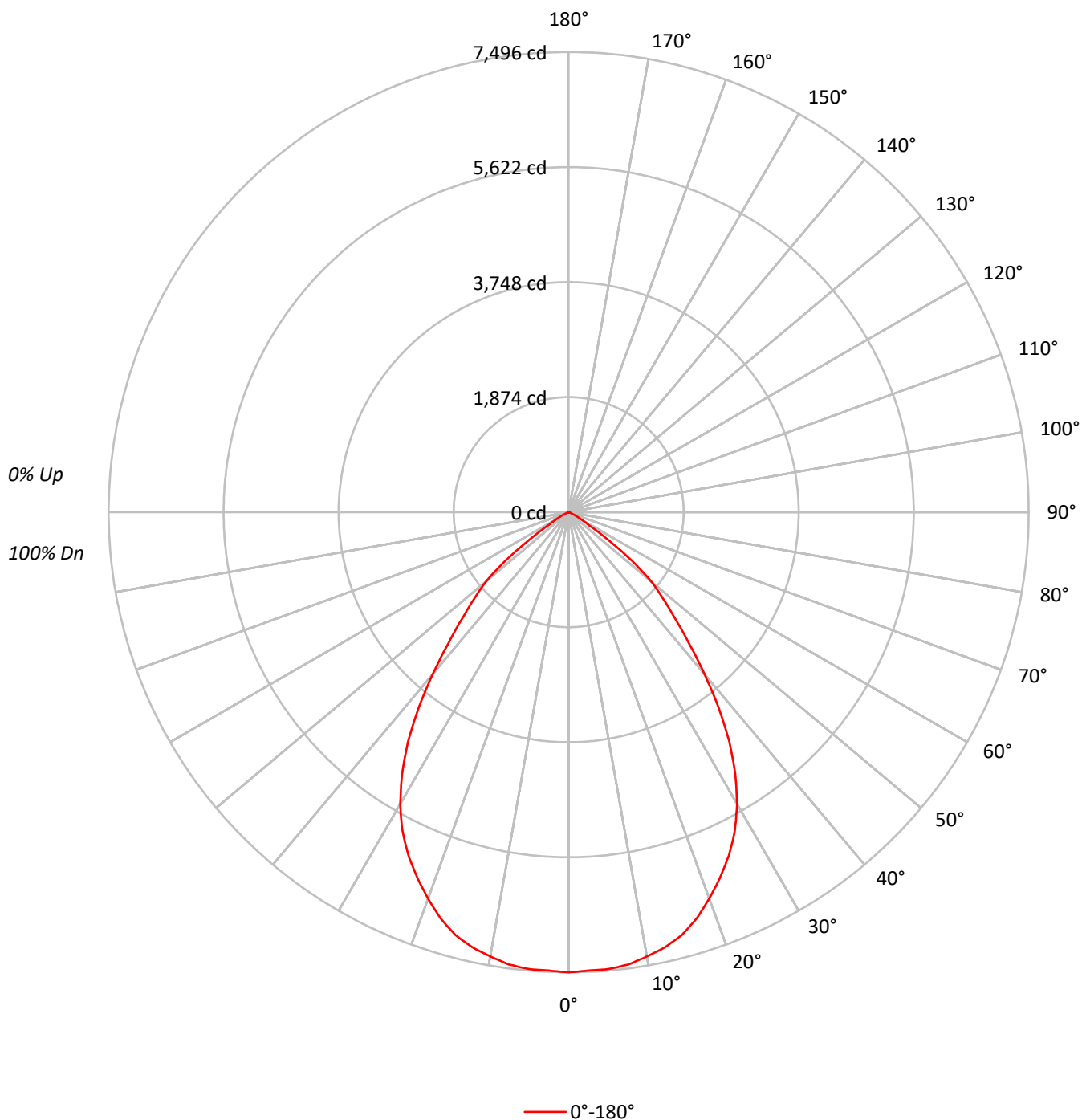
Lumens per Lamp: N/A
Luminaire Lumens: 11149.4 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 80.7
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	50	30	10	50	30	10		
RCR																									
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100							
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91							
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83							
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75							
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67							
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61							
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56							
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51							
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	46							
9	68	56	50	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43							
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	68462
5°	68499
10°	68155
15°	67418
20°	65088
25°	62208
30°	57875
35°	50892
40°	40994
45°	31666
50°	25039
55°	12214
60°	4461
65°	1880
70°	542
75°	268
80°	310
85°	356

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31666 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	709.3	6.4
10°-20°	1999.7	17.9
20°-30°	2826.9	25.4
30°-40°	2815.6	25.3
40°-50°	1929.4	17.3
50°-60°	753.5	6.8
60°-70°	101.6	0.9
70°-80°	9.7	0.1
80°-90°	3.6	0.0
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°	5535.9	49.7
0°-40°	8351.5	74.9
0°-60°	11034.5	99.0
0°-90°	11149.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11149.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7496	
5°	7472	709
15°	7130	2000
25°	6173	2827
35°	4565	2816
45°	2452	1929
55°	767	754
65°	87	102
75°	8	10
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7496.2
2.5°	7474.2
5°	7471.7
7.5°	7432.0
10°	7349.2
12.5°	7258.0
15°	7130.4
17.5°	6937.8
20°	6697.0
22.5°	6442.7
25°	6173.2
27.5°	5860.6
30°	5488.0
32.5°	5050.4
35°	4564.6
37.5°	4010.4
40°	3438.5
42.5°	2911.3
45°	2451.7
47.5°	2092.7
50°	1762.3
52.5°	1287.5
55°	767.1
57.5°	365.0
60°	244.2
62.5°	153.8
65°	87.0
67.5°	42.2
70°	20.3
72.5°	9.3
75°	7.6
77.5°	6.8
80°	5.9
82.5°	5.1
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)