

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: P1504222

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504222
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

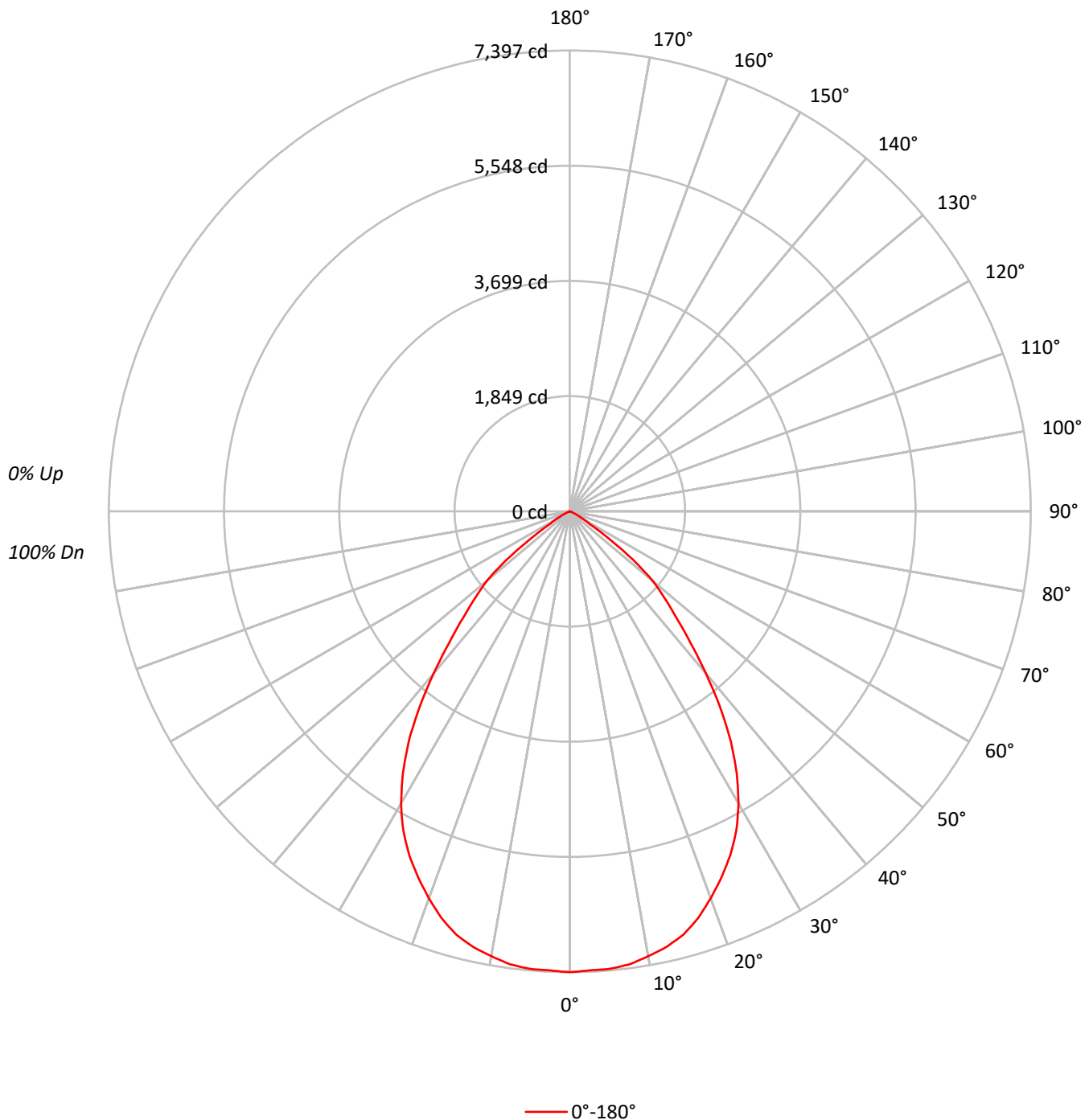
Lumens per Lamp: N/A
Luminaire Lumens: 11002.4 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
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°	67560
5°	67596
10°	67256
15°	66530
20°	64230
25°	61387
30°	57113
35°	50222
40°	40453
45°	31249
50°	24710
55°	12053
60°	4400
65°	1856
70°	534
75°	265
80°	305
85°	346

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31249 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	700.0	6.4
10°-20°	1973.3	17.9
20°-30°	2789.7	25.4
30°-40°	2778.5	25.3
40°-50°	1904.0	17.3
50°-60°	743.6	6.8
60°-70°	100.3	0.9
70°-80°	9.6	0.1
80°-90°	3.5	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°	5463.0	49.7
0°-40°	8241.5	74.9
0°-60°	10889.0	99.0
0°-90°	11002.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11002.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7397	
5°	7373	700
15°	7036	1973
25°	6092	2790
35°	4504	2778
45°	2419	1904
55°	757	744
65°	86	100
75°	8	10
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7397.4
2.5°	7375.7
5°	7373.2
7.5°	7334.0
10°	7252.3
12.5°	7162.3
15°	7036.4
17.5°	6846.3
20°	6608.7
22.5°	6357.8
25°	6091.8
27.5°	5783.4
30°	5415.7
32.5°	4983.8
35°	4504.5
37.5°	3957.6
40°	3393.1
42.5°	2872.9
45°	2419.4
47.5°	2065.1
50°	1739.1
52.5°	1270.6
55°	757.0
57.5°	360.2
60°	240.9
62.5°	151.7
65°	85.9
67.5°	41.7
70°	20.0
72.5°	9.2
75°	7.5
77.5°	6.7
80°	5.8
82.5°	5.0
85°	3.3
87.5°	1.7
90°	0.0

(END OF REPORT)