

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: P1504237

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504237
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_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

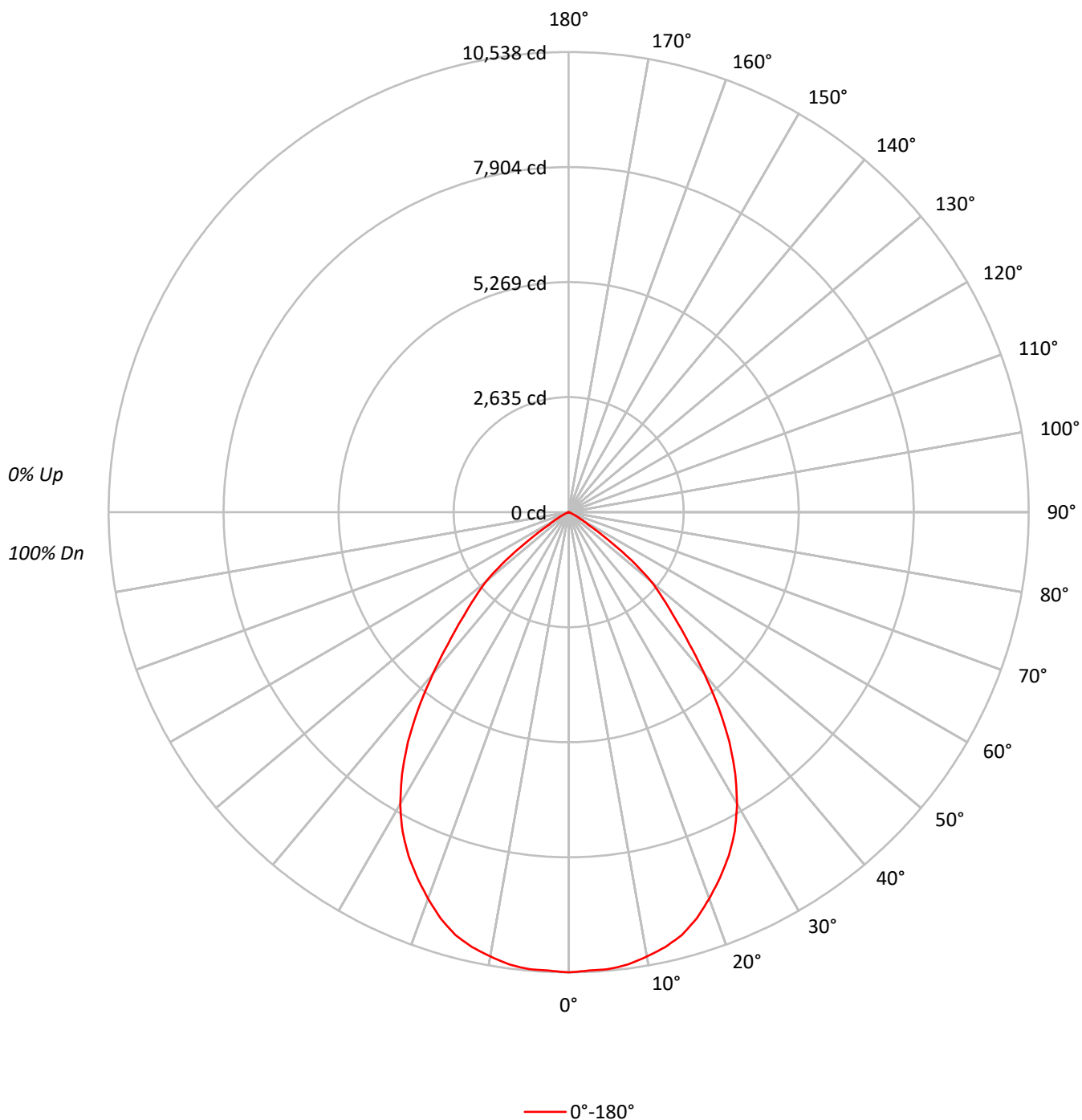
Lumens per Lamp: N/A
Luminaire Lumens: 15673.8 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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	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°	96244
5°	96296
10°	95813
15°	94777
20°	91502
25°	87451
30°	81362
35°	71544
40°	57629
45°	44516
50°	35201
55°	17171
60°	6269
65°	2643
70°	761
75°	378
80°	437
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44516 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	997.2	6.4
10°-20°	2811.2	17.9
20°-30°	3974.1	25.4
30°-40°	3958.2	25.3
40°-50°	2712.4	17.3
50°-60°	1059.3	6.8
60°-70°	142.9	0.9
70°-80°	13.6	0.1
80°-90°	5.0	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°	7782.5	49.7
0°-40°	11740.7	74.9
0°-60°	15512.3	99.0
0°-90°	15673.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15673.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10538	
5°	10504	997
15°	10024	2811
25°	8678	3974
35°	6417	3958
45°	3447	2712
55°	1078	1059
65°	122	143
75°	11	14
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10538.2
2.5°	10507.3
5°	10503.8
7.5°	10447.9
10°	10331.6
12.5°	10203.3
15°	10023.9
17.5°	9753.2
20°	9414.7
22.5°	9057.2
25°	8678.3
27.5°	8238.9
30°	7715.1
32.5°	7099.9
35°	6417.0
37.5°	5637.9
40°	4833.8
42.5°	4092.7
45°	3446.6
47.5°	2941.9
50°	2477.5
52.5°	1810.0
55°	1078.4
57.5°	513.1
60°	343.2
62.5°	216.2
65°	122.3
67.5°	59.4
70°	28.5
72.5°	13.1
75°	10.7
77.5°	9.5
80°	8.3
82.5°	7.1
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)