

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: P1504225

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504225
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_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

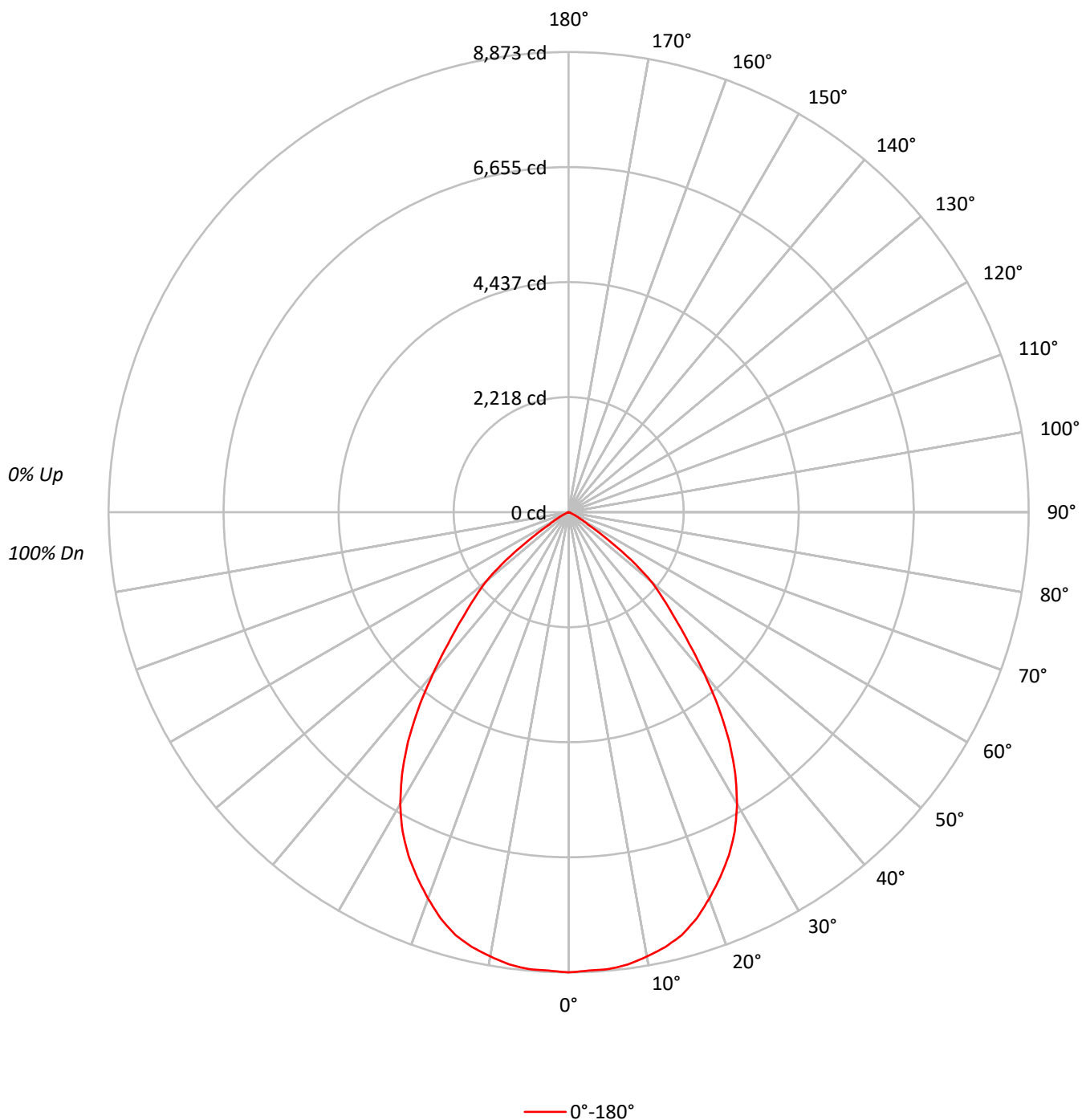
Lumens per Lamp: N/A
Luminaire Lumens: 13197.1 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 100.2
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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	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°	81036
5°	81080
10°	80673
15°	79801
20°	77043
25°	73633
30°	68505
35°	60239
40°	48523
45°	37482
50°	29638
55°	14458
60°	5279
65°	2226
70°	641
75°	318
80°	368
85°	419

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37482 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	839.6	6.4
10°-20°	2366.9	17.9
20°-30°	3346.1	25.4
30°-40°	3332.7	25.3
40°-50°	2283.8	17.3
50°-60°	891.9	6.8
60°-70°	120.3	0.9
70°-80°	11.5	0.1
80°-90°	4.2	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°	6552.7	49.7
0°-40°	9885.4	74.9
0°-60°	13061.1	99.0
0°-90°	13197.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13197.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8873	
5°	8844	840
15°	8440	2367
25°	7307	3346
35°	5403	3333
45°	2902	2284
55°	908	892
65°	103	120
75°	9	11
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8873
2.5°	8847
5°	8844
7.5°	8797
10°	8699
12.5°	8591
15°	8440
17.5°	8212
20°	7927
22.5°	7626
25°	7307
27.5°	6937
30°	6496
32.5°	5978
35°	5403
37.5°	4747
40°	4070
42.5°	3446
45°	2902
47.5°	2477
50°	2086
52.5°	1524
55°	908
57.5°	432
60°	289
62.5°	182
65°	103
67.5°	50
70°	24
72.5°	11
75°	9
77.5°	8
80°	7
82.5°	6
85°	4
87.5°	2
90°	0

(END OF REPORT)