

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: P1504604

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (5000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504604
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-28)
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-BLAK-PS (5000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

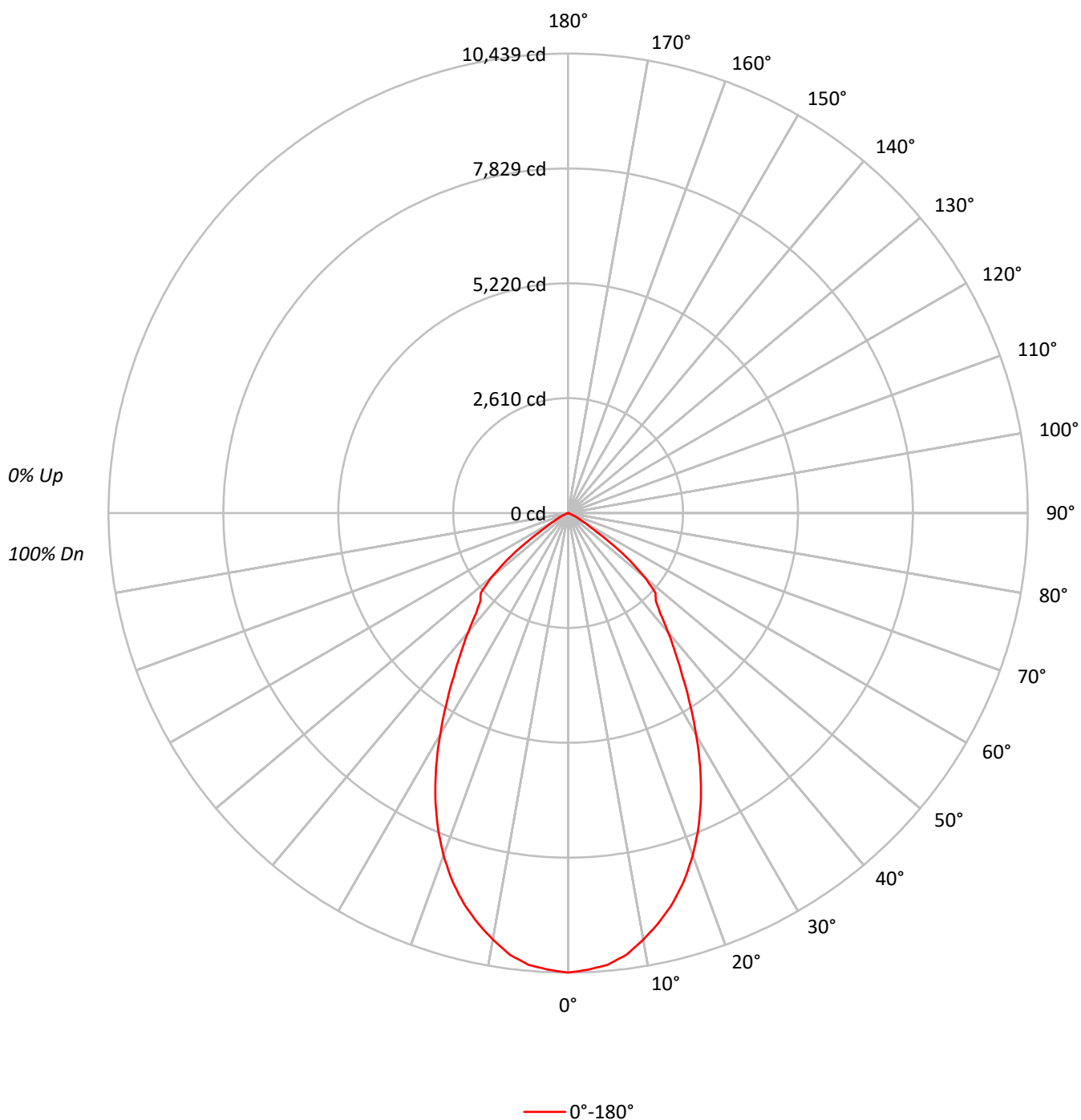
Lumens per Lamp: N/A
Luminaire Lumens: 13101.1 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 100.1
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	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	77	72	80	75	71	78	74	70	76	73	69	68			
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61			
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56			
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51			
8	72	61	54	50	71	61	54	49	59	53	49	58	53	49	57	52	49	47			
9	68	57	50	46	67	57	50	46	56	50	45	55	49	45	54	49	45	44			
10	65	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90356
5°	89499
10°	86463
15°	82203
20°	76192
25°	68145
30°	58092
35°	47871
40°	39842
45°	34419
50°	30579
55°	17165
60°	6971
65°	2939
70°	777
75°	308
80°	359
85°	308

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 34489 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	968.6	7.4
10°-20°	2565.2	19.6
20°-30°	3253.3	24.8
30°-40°	2852.8	21.8
40°-50°	2214.4	16.9
50°-60°	1061.4	8.1
60°-70°	168.9	1.3
70°-80°	12.8	0.1
80°-90°	3.8	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°	6787.0	51.8
0°-40°	9639.9	73.6
0°-60°	12915.7	98.6
0°-90°	13101.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13101.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10439	
5°	10301	969
15°	9174	2565
25°	7135	3253
35°	4530	2853
45°	2812	2214
55°	1138	1061
65°	144	169
75°	9	13
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10439.2
2.5°	10382.9
5°	10300.9
7.5°	10120.5
10°	9837.7
12.5°	9527.2
15°	9173.7
17.5°	8758.6
20°	8271.9
22.5°	7734.9
25°	7135.4
27.5°	6490.8
30°	5812.4
32.5°	5147.4
35°	4530.5
37.5°	3996.6
40°	3526.2
42.5°	3093.8
45°	2811.9
47.5°	2692.0
50°	2270.9
52.5°	1747.2
55°	1137.5
57.5°	589.2
60°	402.7
62.5°	259.3
65°	143.5
67.5°	70.7
70°	30.7
72.5°	12.3
75°	9.2
77.5°	8.2
80°	7.2
82.5°	5.1
85°	3.1
87.5°	2.0
90°	0.0

(END OF REPORT)