

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: P1504612

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (6500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504612
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-29)
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 (6500K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

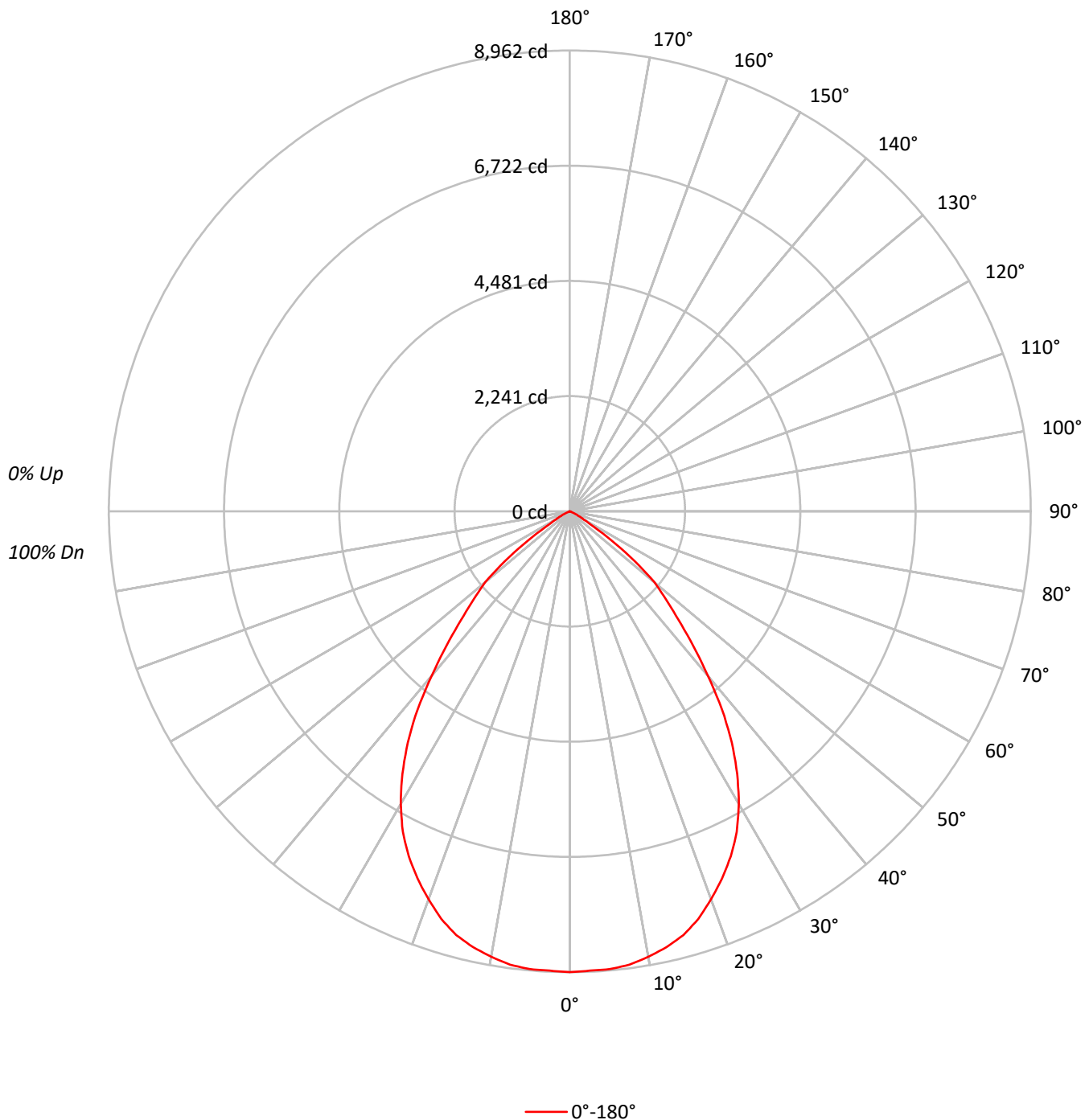
Lumens per Lamp: N/A
Luminaire Lumens: 13451.9 lumens
Efficiency: N/A
Efficacy: 131.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.12
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 102.5
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	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	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50		
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46		
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44	43		
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77567
5°	77661
10°	77304
15°	76439
20°	73957
25°	70706
30°	65687
35°	58001
40°	47185
45°	36570
50°	28859
55°	14804
60°	5171
65°	2239
70°	666
75°	338
80°	354
85°	397

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36570 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	848.8	6.3
10°-20°	2394.0	17.8
20°-30°	3390.2	25.2
30°-40°	3392.1	25.2
40°-50°	2346.5	17.4
50°-60°	937.3	7.0
60°-70°	126.3	0.9
70°-80°	12.6	0.1
80°-90°	4.3	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°	6632.9	49.3
0°-40°	10025.0	74.5
0°-60°	13308.8	98.9
0°-90°	13451.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13451.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8962	
5°	8938	849
15°	8530	2394
25°	7404	3390
35°	5489	3392
45°	2988	2346
55°	981	937
65°	109	126
75°	10	13
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8961.7
2.5°	8941.4
5°	8938.4
7.5°	8893.8
10°	8795.6
12.5°	8683.3
15°	8530.4
17.5°	8309.7
20°	8029.3
22.5°	7730.6
25°	7403.6
27.5°	7030.0
30°	6572.4
32.5°	6057.1
35°	5489.2
37.5°	4864.5
40°	4176.1
42.5°	3549.4
45°	2987.6
47.5°	2534.0
50°	2143.2
52.5°	1593.5
55°	981.0
57.5°	460.6
60°	298.7
62.5°	190.3
65°	109.3
67.5°	53.7
70°	26.3
72.5°	12.1
75°	10.1
77.5°	9.1
80°	7.1
82.5°	6.1
85°	4.0
87.5°	2.0
90°	0.0

(END OF REPORT)