

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: P1504768

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504768
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-53)
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-06-BLAK-PS (3500K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

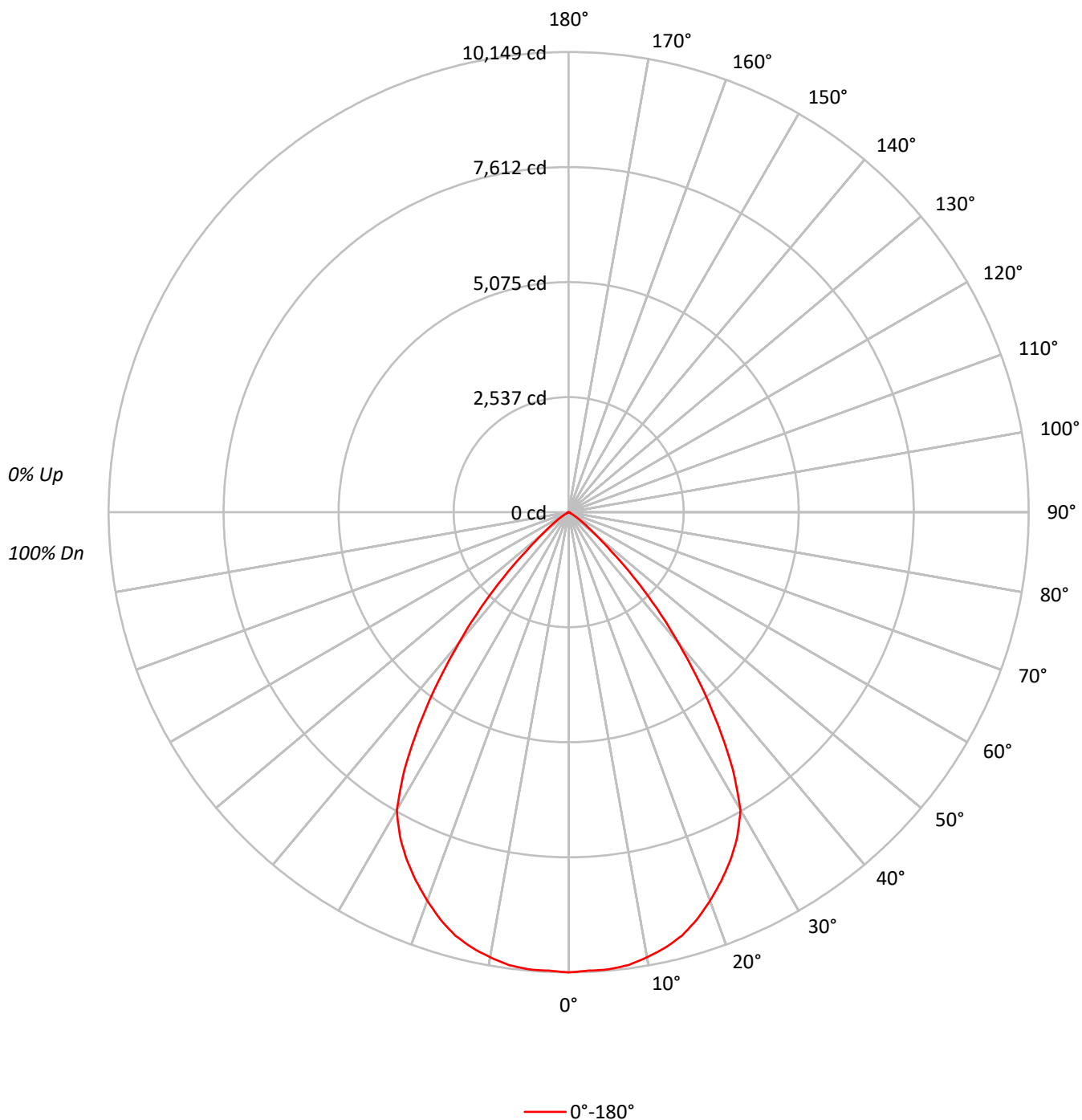
Lumens per Lamp: N/A
Luminaire Lumens: 13084.2 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 120.7
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	110	107	105	110	108	105	103	104	102	100	100	98	97	97	95	94	92							
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85							
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78							
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71							
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65							
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60							
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55							
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51							
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47							
10	67	56	50	46	66	56	50	46	55	50	46	54	49	45	54	49	45	44							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82303
5°	82399
10°	82086
15°	81157
20°	78686
25°	75652
30°	70988
35°	57055
40°	39879
45°	23305
50°	9805
55°	4564
60°	1228
65°	581
70°	607
75°	620
80°	598
85°	651

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23305 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	961.4	7.3
10°-20°	2713.8	20.7
20°-30°	3875.1	29.6
30°-40°	3553.4	27.2
40°-50°	1603.2	12.3
50°-60°	311.7	2.4
60°-70°	37.8	0.3
70°-80°	20.4	0.2
80°-90°	7.5	0.1
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°	7550.3	57.7
0°-40°	11103.8	84.9
0°-60°	13018.6	99.5
0°-90°	13084.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13084.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10149	
5°	10122	961
15°	9667	2714
25°	8455	3875
35°	5763	3553
45°	2032	1603
55°	323	312
65°	30	38
75°	20	20
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10149.0
2.5°	10121.1
5°	10122.2
7.5°	10075.6
10°	9968.4
12.5°	9840.3
15°	9666.6
17.5°	9417.3
20°	9117.8
22.5°	8799.7
25°	8454.8
27.5°	8061.0
30°	7580.9
32.5°	6740.8
35°	5763.2
37.5°	4750.6
40°	3767.1
42.5°	2878.1
45°	2032.1
47.5°	1266.6
50°	777.2
52.5°	497.5
55°	322.8
57.5°	169.0
60°	75.7
62.5°	44.3
65°	30.3
67.5°	28.0
70°	25.6
72.5°	22.1
75°	19.8
77.5°	16.3
80°	12.8
82.5°	10.5
85°	7.0
87.5°	3.5
90°	0.0

(END OF REPORT)