

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: P1504759

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504759
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 (3000K_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

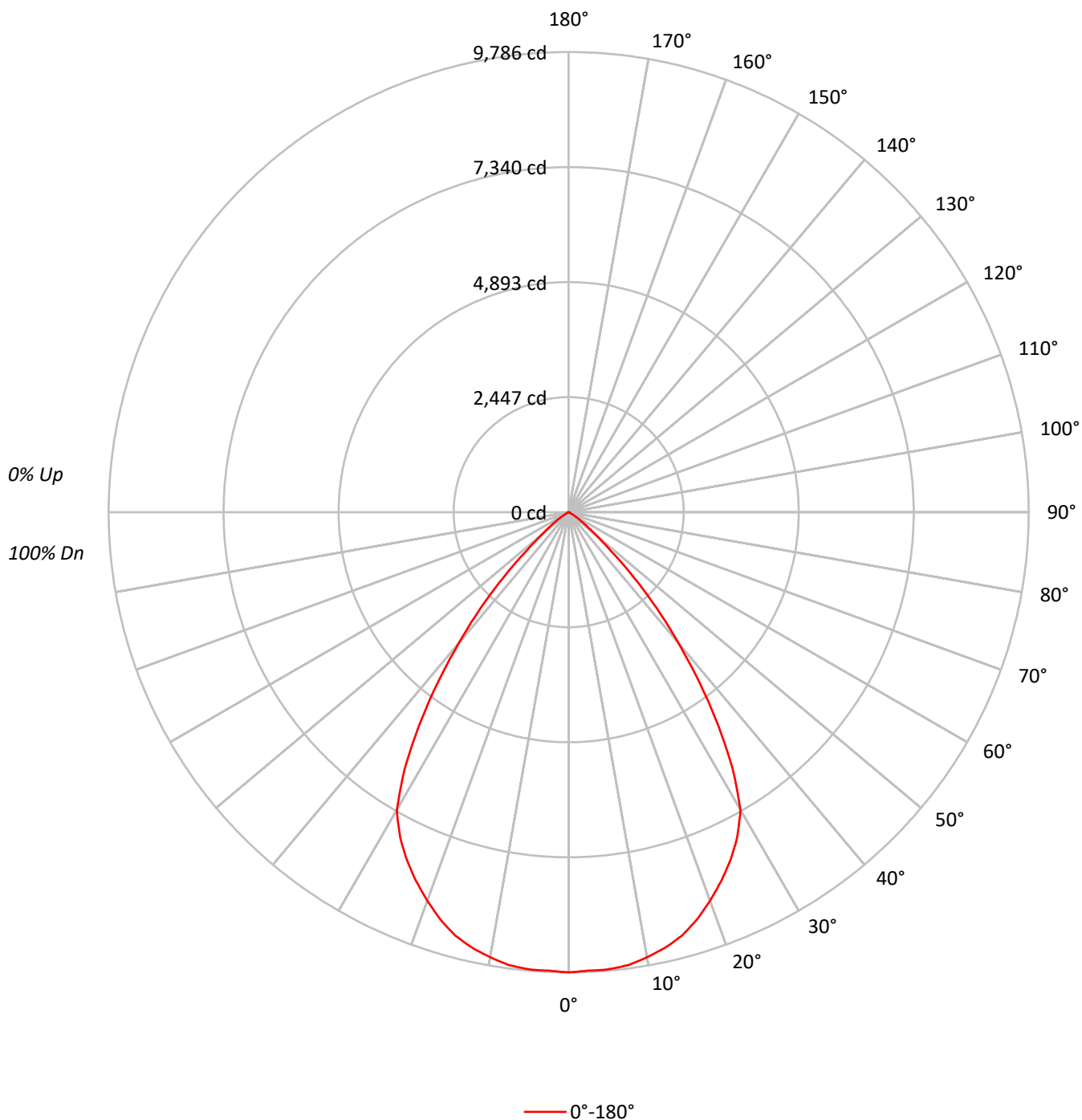
Lumens per Lamp: N/A
Luminaire Lumens: 12615.5 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 122.9
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°	79355
5°	79448
10°	79145
15°	78250
20°	75868
25°	72942
30°	68445
35°	55011
40°	38451
45°	22470
50°	9455
55°	4400
60°	1184
65°	560
70°	586
75°	598
80°	579
85°	623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 22470 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	927.0	7.3
10°-20°	2616.6	20.7
20°-30°	3736.3	29.6
30°-40°	3426.1	27.2
40°-50°	1545.8	12.3
50°-60°	300.5	2.4
60°-70°	36.4	0.3
70°-80°	19.7	0.2
80°-90°	7.2	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°	7279.8	57.7
0°-40°	10706.0	84.9
0°-60°	12552.2	99.5
0°-90°	12615.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12615.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9786	
5°	9760	927
15°	9320	2617
25°	8152	3736
35°	5557	3426
45°	1959	1546
55°	311	300
65°	29	36
75°	19	20
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	9785.5
2.5°	9758.5
5°	9759.6
7.5°	9714.7
10°	9611.3
12.5°	9487.8
15°	9320.4
17.5°	9079.9
20°	8791.2
22.5°	8484.5
25°	8151.9
27.5°	7772.2
30°	7309.3
32.5°	6499.3
35°	5556.7
37.5°	4580.4
40°	3632.2
42.5°	2775.0
45°	1959.3
47.5°	1221.2
50°	749.4
52.5°	479.7
55°	311.2
57.5°	162.9
60°	73.0
62.5°	42.7
65°	29.2
67.5°	27.0
70°	24.7
72.5°	21.3
75°	19.1
77.5°	15.7
80°	12.4
82.5°	10.1
85°	6.7
87.5°	3.4
90°	0.0

(END OF REPORT)