

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: P1504435

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504435
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-41)
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-06-BLAK-PS (6500K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

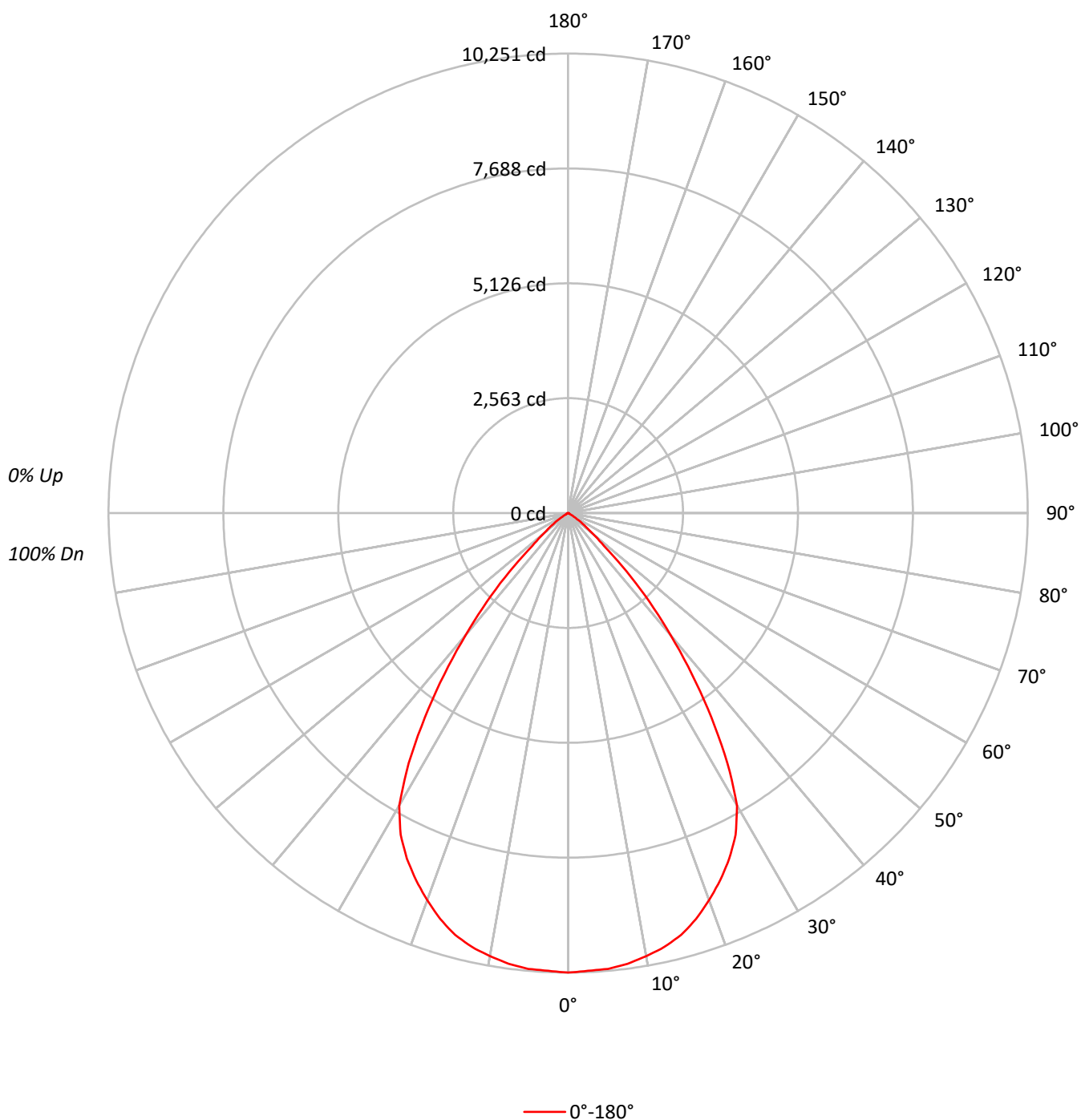
Lumens per Lamp: N/A
Luminaire Lumens: 12864.3 lumens
Efficiency: N/A
Efficacy: 104.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 123.3
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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93								
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85								
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78								
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71								
5	90	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66								
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60								
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56								
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	56	53	52								
9	71	61	54	50	70	60	54	50	59	54	50	58	53	49	57	53	49	48								
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84203
5°	84167
10°	83702
15°	82864
20°	80317
25°	77086
30°	71459
35°	55843
40°	38116
45°	21368
50°	9190
55°	4351
60°	1060
65°	525
70°	591
75°	632
80°	667
85°	660

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21368 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	968.8	7.5
10°-20°	2734.8	21.3
20°-30°	3891.6	30.3
30°-40°	3447.6	26.8
40°-50°	1467.0	11.4
50°-60°	292.2	2.3
60°-70°	33.5	0.3
70°-80°	20.9	0.2
80°-90°	8.0	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°	7595.2	59.0
0°-40°	11042.8	85.8
0°-60°	12801.9	99.5
0°-90°	12864.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12864.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10251	
5°	10207	969
15°	9744	2735
25°	8505	3892
35°	5569	3448
45°	1839	1467
55°	304	292
65°	27	34
75°	20	21
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10250.6
2.5°	10220.1
5°	10207.2
7.5°	10143.9
10°	10034.8
12.5°	9915.1
15°	9743.8
17.5°	9492.8
20°	9187.8
22.5°	8865.2
25°	8505.0
27.5°	8088.6
30°	7533.7
32.5°	6615.1
35°	5568.7
37.5°	4539.9
40°	3554.5
42.5°	2679.4
45°	1839.4
47.5°	1084.0
50°	719.1
52.5°	483.3
55°	303.8
57.5°	149.0
60°	64.5
62.5°	38.7
65°	27.0
67.5°	25.8
70°	24.6
72.5°	22.3
75°	19.9
77.5°	17.6
80°	14.1
82.5°	11.7
85°	7.0
87.5°	3.5
90°	0.0

(END OF REPORT)