

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: P1504426

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504426
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 (5000K_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

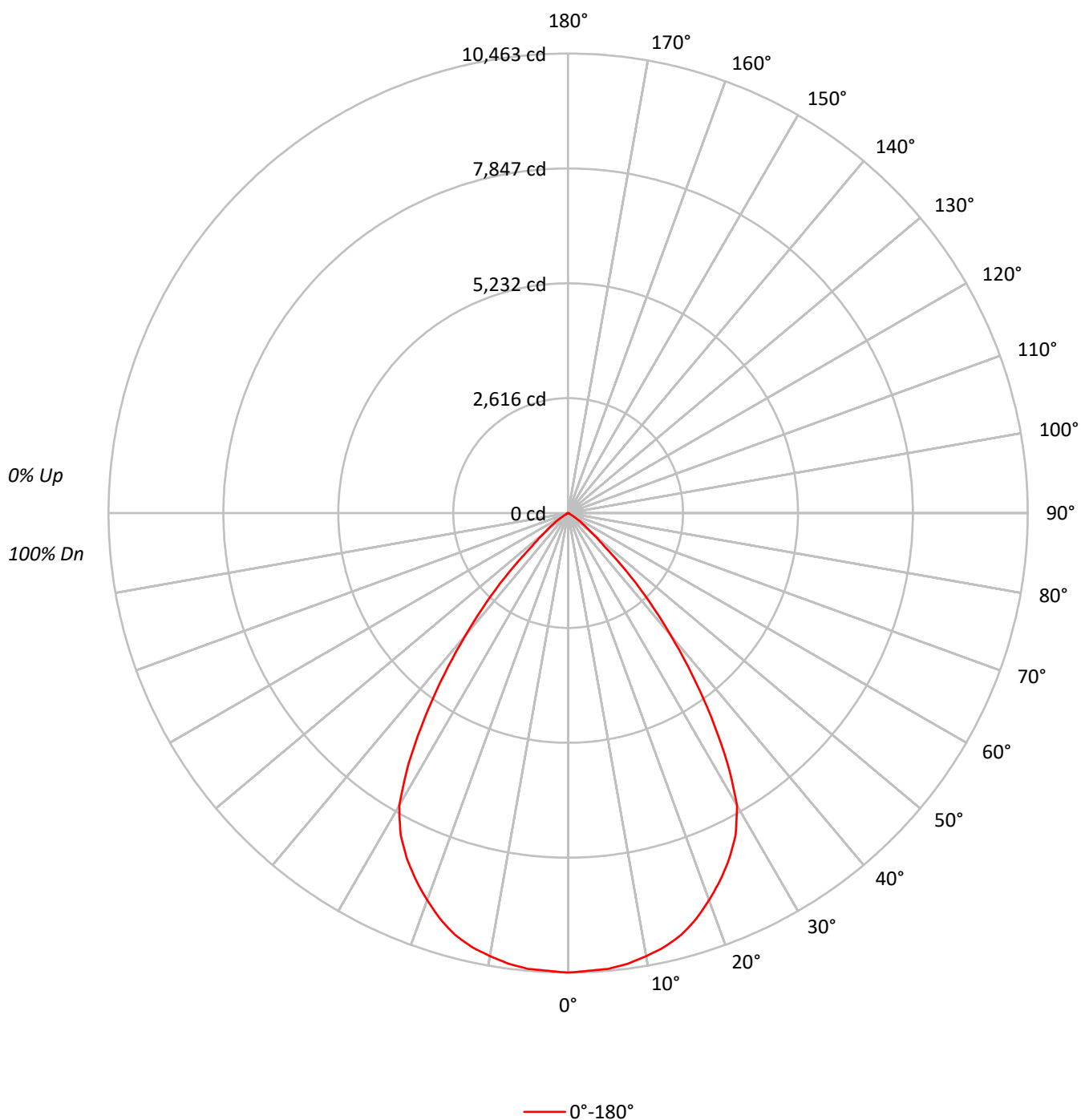
Lumens per Lamp: N/A
Luminaire Lumens: 13131.0 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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	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°	85948
5°	85911
10°	85436
15°	84581
20°	81981
25°	78684
30°	72940
35°	57000
40°	38906
45°	21812
50°	9380
55°	4441
60°	1083
65°	535
70°	603
75°	647
80°	681
85°	679

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21812 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	988.8	7.5
10°-20°	2791.5	21.3
20°-30°	3972.3	30.3
30°-40°	3519.1	26.8
40°-50°	1497.4	11.4
50°-60°	298.2	2.3
60°-70°	34.2	0.3
70°-80°	21.4	0.2
80°-90°	8.2	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°	7752.6	59.0
0°-40°	11271.7	85.8
0°-60°	13067.2	99.5
0°-90°	13131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13131.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10463	
5°	10419	989
15°	9946	2791
25°	8681	3972
35°	5684	3519
45°	1878	1497
55°	310	298
65°	28	34
75°	20	21
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10463.0
2.5°	10431.9
5°	10418.7
7.5°	10354.1
10°	10242.7
12.5°	10120.6
15°	9945.8
17.5°	9689.5
20°	9378.2
22.5°	9048.9
25°	8681.3
27.5°	8256.2
30°	7689.8
32.5°	6752.2
35°	5684.1
37.5°	4634.0
40°	3628.2
42.5°	2734.9
45°	1877.6
47.5°	1106.4
50°	734.0
52.5°	493.3
55°	310.1
57.5°	152.1
60°	65.9
62.5°	39.5
65°	27.5
67.5°	26.3
70°	25.1
72.5°	22.8
75°	20.4
77.5°	18.0
80°	14.4
82.5°	12.0
85°	7.2
87.5°	3.6
90°	0.0

(END OF REPORT)