

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: P1504437

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504437
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-42)
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_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

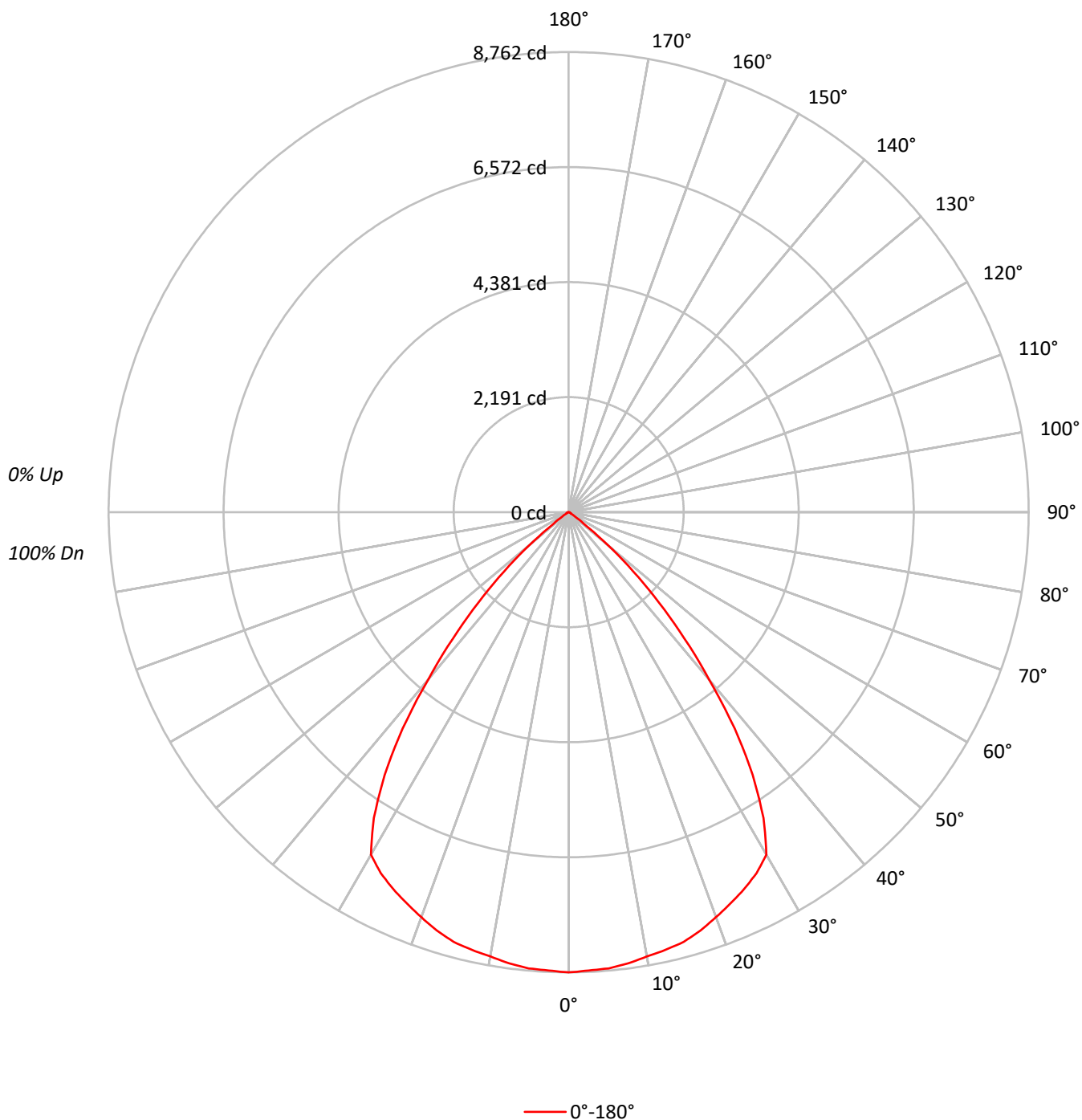
Lumens per Lamp: N/A
Luminaire Lumens: 12816.8 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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			
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	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77		
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71	70		
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64		
6	83	73	66	61	82	72	66	61	71	65	61	69	64	60	68	63	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53		
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49		
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45		
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71974
5°	71901
10°	71657
15°	72020
20°	71744
25°	71738
30°	71426
35°	61266
40°	44694
45°	28264
50°	12353
55°	2521
60°	887
65°	638
70°	733
75°	781
80°	776
85°	773

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28264 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.9	6.5
10°-20°	2386.5	18.6
20°-30°	3646.8	28.5
30°-40°	3736.7	29.2
40°-50°	1889.8	14.7
50°-60°	257.7	2.0
60°-70°	36.6	0.3
70°-80°	25.7	0.2
80°-90°	8.9	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°	6861.3	53.5
0°-40°	10598.1	82.7
0°-60°	12745.6	99.4
0°-90°	12816.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12816.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8762	
5°	8720	828
15°	8469	2387
25°	7915	3647
35°	6110	3737
45°	2433	1890
55°	176	258
65°	33	37
75°	25	26
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8761.9
2.5°	8734.9
5°	8719.7
7.5°	8663.4
10°	8590.7
12.5°	8534.3
15°	8468.7
17.5°	8351.3
20°	8207.1
22.5°	8061.6
25°	7914.9
27.5°	7747.2
30°	7530.2
32.5°	6903.7
35°	6109.5
37.5°	5194.5
40°	4168.0
42.5°	3264.8
45°	2433.0
47.5°	1670.5
50°	966.6
52.5°	390.6
55°	176.0
57.5°	102.1
60°	54.0
62.5°	41.1
65°	32.8
67.5°	31.7
70°	30.5
72.5°	28.2
75°	24.6
77.5°	21.1
80°	16.4
82.5°	12.9
85°	8.2
87.5°	3.5
90°	0.0

(END OF REPORT)