

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: P1504795

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504795
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 (6500K_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

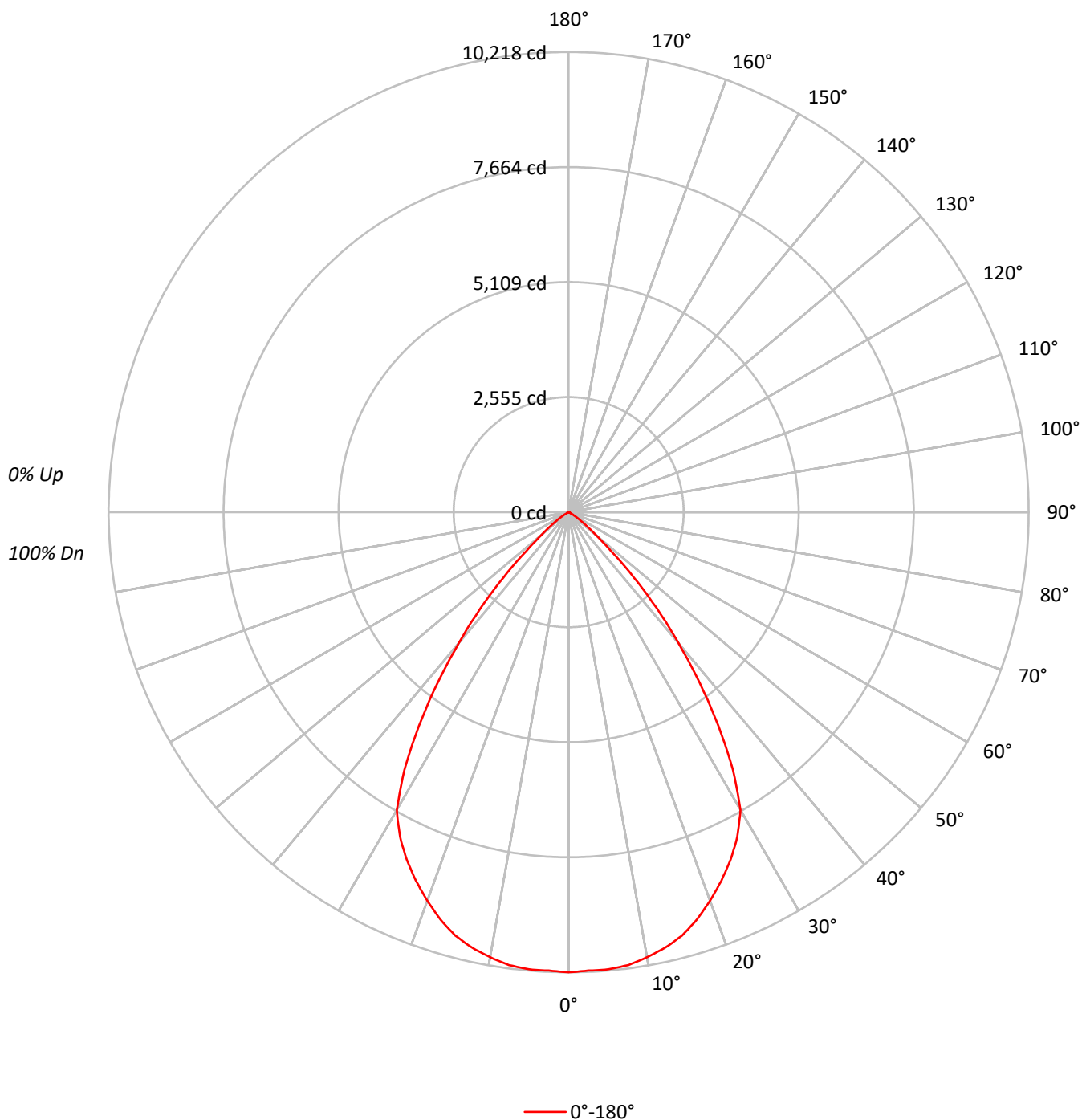
Lumens per Lamp: N/A
Luminaire Lumens: 13172.9 lumens
Efficiency: N/A
Efficacy: 106.8 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	82861
5°	82958
10°	82642
15°	81706
20°	79219
25°	76165
30°	71468
35°	57441
40°	40150
45°	23464
50°	9872
55°	4595
60°	1238
65°	585
70°	612
75°	624
80°	602
85°	651

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23464 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	967.9	7.3
10°-20°	2732.2	20.7
20°-30°	3901.3	29.6
30°-40°	3577.5	27.2
40°-50°	1614.1	12.3
50°-60°	313.8	2.4
60°-70°	38.0	0.3
70°-80°	20.6	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°	7601.4	57.7
0°-40°	11178.9	84.9
0°-60°	13106.8	99.5
0°-90°	13172.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13172.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10218	
5°	10191	968
15°	9732	2732
25°	8512	3901
35°	5802	3578
45°	2046	1614
55°	325	314
65°	30	38
75°	20	21
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10217.8
2.5°	10189.6
5°	10190.8
7.5°	10143.9
10°	10035.9
12.5°	9906.9
15°	9732.1
17.5°	9481.0
20°	9179.6
22.5°	8859.3
25°	8512.1
27.5°	8115.5
30°	7632.2
32.5°	6786.4
35°	5802.2
37.5°	4782.8
40°	3792.7
42.5°	2897.6
45°	2045.9
47.5°	1275.2
50°	782.5
52.5°	500.9
55°	325.0
57.5°	170.1
60°	76.3
62.5°	44.6
65°	30.5
67.5°	28.2
70°	25.8
72.5°	22.3
75°	19.9
77.5°	16.4
80°	12.9
82.5°	10.6
85°	7.0
87.5°	3.5
90°	0.0

(END OF REPORT)