

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: P1504894

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504894
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-59)
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-WHGL-PS (3000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

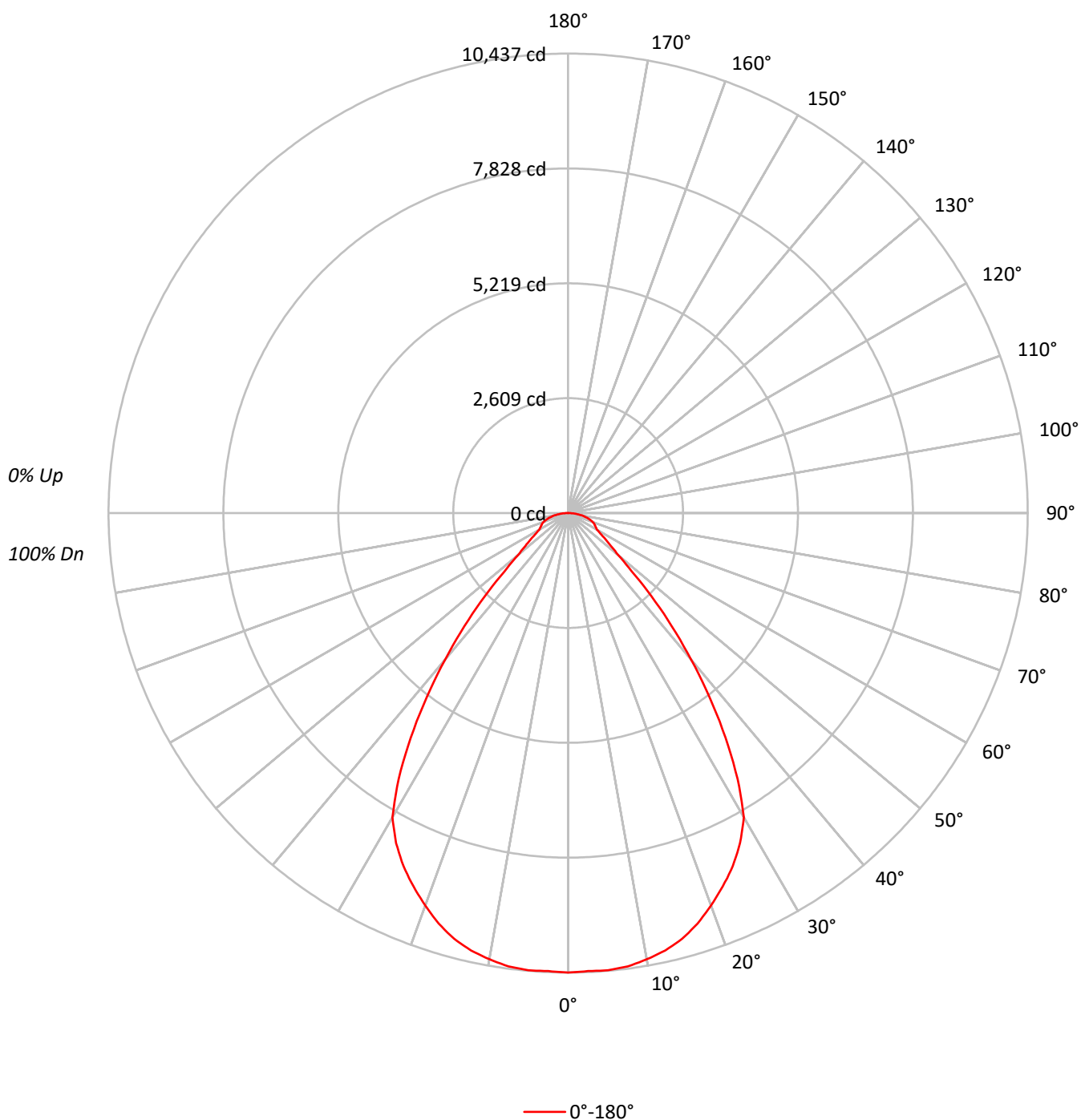
Lumens per Lamp: N/A
Luminaire Lumens: 16089.7 lumens
Efficiency: N/A
Efficacy: 130.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.09
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	85	80	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64		
5	85	75	67	62	83	73	67	62	72	66	61	70	65	60	68	63	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	52	47	69	58	52	47	57	51	47	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	63	51	44	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84640
5°	84844
10°	84752
15°	84051
20°	81869
25°	79185
30°	74726
35°	61684
40°	45932
45°	30652
50°	18653
55°	14614
60°	12299
65°	12914
70°	14091
75°	14679
80°	14795
85°	14320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30652 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	990.8	6.2
10°-20°	2812.8	17.5
20°-30°	4055.1	25.2
30°-40°	3854.6	24.0
40°-50°	2103.4	13.1
50°-60°	945.0	5.9
60°-70°	668.7	4.2
70°-80°	489.4	3.0
80°-90°	170.0	1.1
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°	7858.6	48.8
0°-40°	11713.3	72.8
0°-60°	14761.7	91.7
0°-90°	16089.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16089.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10437	
5°	10422	991
15°	10011	2813
25°	8850	4055
35°	6231	3855
45°	2673	2103
55°	1034	945
65°	673	669
75°	468	489
85°	154	170
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10437.1
2.5°	10413.5
5°	10422.5
7.5°	10385.4
10°	10292.2
12.5°	10178.7
15°	10011.3
17.5°	9775.4
20°	9486.6
22.5°	9178.8
25°	8849.6
27.5°	8455.3
30°	7980.1
32.5°	7162.2
35°	6230.8
37.5°	5279.2
40°	4338.9
42.5°	3485.0
45°	2672.7
47.5°	1958.2
50°	1478.5
52.5°	1219.0
55°	1033.6
57.5°	869.6
60°	758.3
62.5°	710.0
65°	673.0
67.5°	639.3
70°	594.3
72.5°	534.8
75°	468.5
77.5°	395.5
80°	316.8
82.5°	237.1
85°	153.9
87.5°	75.3
90°	0.0

(END OF REPORT)