

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: P1504924

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504924
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 (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

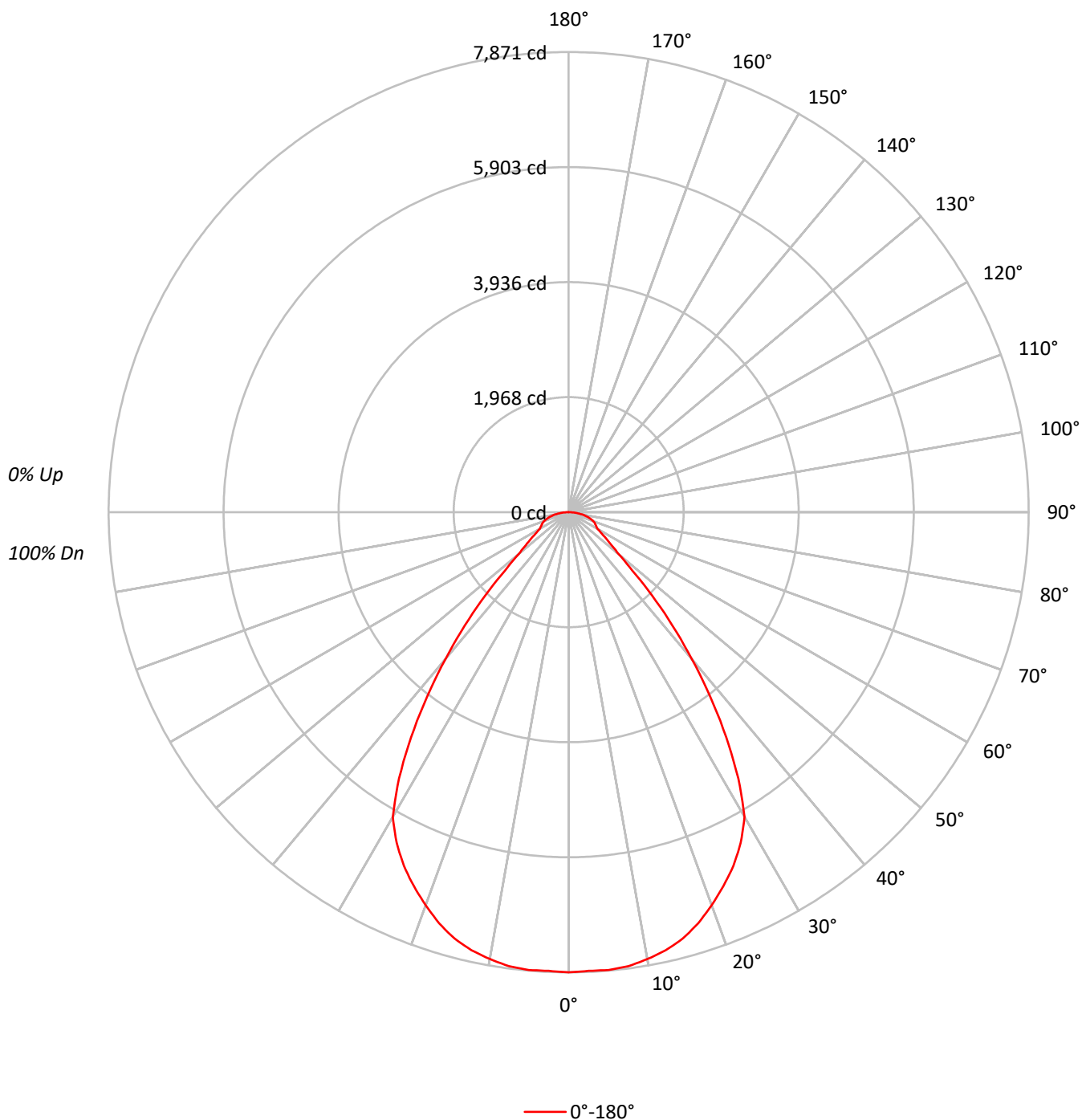
Lumens per Lamp: N/A
Luminaire Lumens: 12133.2 lumens
Efficiency: N/A
Efficacy: 146.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.09
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 83
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°	63827
5°	63980
10°	63911
15°	63382
20°	61737
25°	59712
30°	56350
35°	46515
40°	34637
45°	23115
50°	14066
55°	11020
60°	9276
65°	9738
70°	10627
75°	11070
80°	11157
85°	10803

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23115 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	747.1	6.2
10°-20°	2121.1	17.5
20°-30°	3057.9	25.2
30°-40°	2906.7	24.0
40°-50°	1586.2	13.1
50°-60°	712.6	5.9
60°-70°	504.3	4.2
70°-80°	369.0	3.0
80°-90°	128.2	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°	5926.2	48.8
0°-40°	8832.9	72.8
0°-60°	11131.7	91.7
0°-90°	12133.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12133.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7871	
5°	7860	747
15°	7550	2121
25°	6673	3058
35°	4699	2907
45°	2016	1586
55°	779	713
65°	508	504
75°	353	369
85°	116	128
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7870.6
2.5°	7852.8
5°	7859.5
7.5°	7831.6
10°	7761.3
12.5°	7675.7
15°	7549.5
17.5°	7371.5
20°	7153.8
22.5°	6921.7
25°	6673.4
27.5°	6376.1
30°	6017.7
32.5°	5400.9
35°	4698.6
37.5°	3981.0
40°	3271.9
42.5°	2628.0
45°	2015.5
47.5°	1476.7
50°	1114.9
52.5°	919.2
55°	779.4
57.5°	655.7
60°	571.9
62.5°	535.4
65°	507.5
67.5°	482.1
70°	448.2
72.5°	403.3
75°	353.3
77.5°	298.2
80°	238.9
82.5°	178.8
85°	116.1
87.5°	56.8
90°	0.0

(END OF REPORT)