

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: P1504348

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504348
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-23)
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-04-WHGL-PS (3000K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

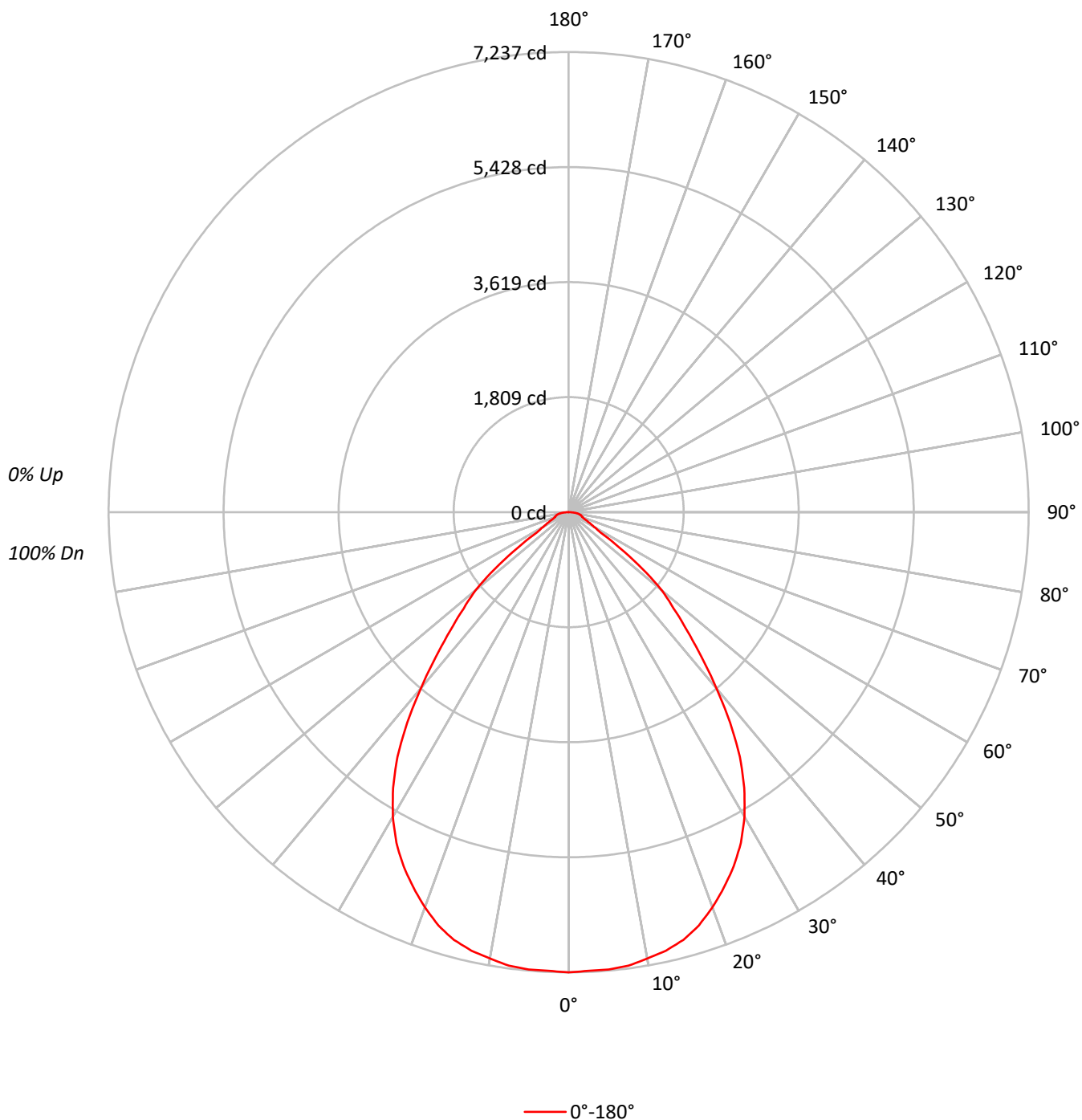
Lumens per Lamp: N/A
Luminaire Lumens: 11976.0 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66097
5°	66187
10°	66103
15°	65854
20°	64264
25°	61925
30°	58316
35°	52332
40°	43122
45°	33962
50°	27199
55°	15531
60°	8501
65°	6693
70°	6256
75°	7209
80°	8531
85°	9766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33962 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	686.3	5.7
10°-20°	1956.5	16.3
20°-30°	2816.8	23.5
30°-40°	2894.1	24.2
40°-50°	2059.0	17.2
50°-60°	932.6	7.8
60°-70°	320.8	2.7
70°-80°	213.0	1.8
80°-90°	96.9	0.8
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°	5459.6	45.6
0°-40°	8353.7	69.8
0°-60°	11345.3	94.7
0°-90°	11976.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11976.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7237	
5°	7220	686
15°	6965	1957
25°	6145	2817
35°	4694	2894
45°	2630	2059
55°	975	933
65°	310	321
75°	204	213
85°	93	97
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7237.3
2.5°	7217.9
5°	7219.5
7.5°	7192.7
10°	7127.9
12.5°	7063.0
15°	6964.9
17.5°	6814.1
20°	6612.2
22.5°	6386.0
25°	6145.2
27.5°	5864.6
30°	5529.8
32.5°	5139.8
35°	4693.8
37.5°	4170.8
40°	3617.0
42.5°	3092.4
45°	2629.5
47.5°	2240.3
50°	1914.3
52.5°	1465.1
55°	975.4
57.5°	587.8
60°	465.4
62.5°	378.7
65°	309.7
67.5°	260.3
70°	234.3
72.5°	216.5
75°	204.3
77.5°	187.3
80°	162.2
82.5°	131.4
85°	93.2
87.5°	50.3
90°	0.0

(END OF REPORT)