

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: P1504744

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504744
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-35)
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-04-WHGL-PS (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

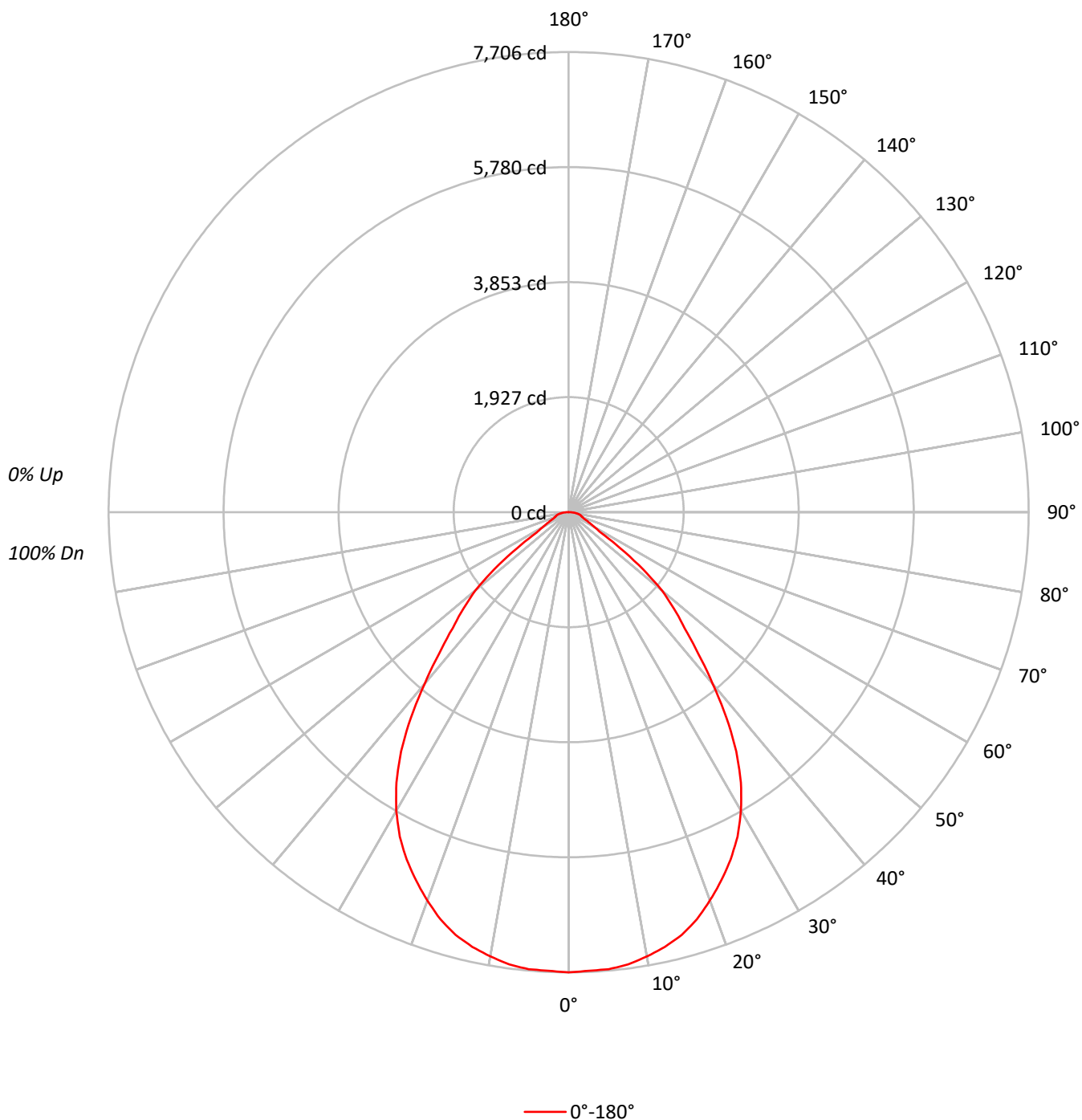
Lumens per Lamp: N/A
Luminaire Lumens: 12559.4 lumens
Efficiency: N/A
Efficacy: 151.3 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

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	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	68	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°	66701
5°	66742
10°	66382
15°	65667
20°	63731
25°	61297
30°	57705
35°	51697
40°	42387
45°	33652
50°	27505
55°	15943
60°	8638
65°	6732
70°	6195
75°	6999
80°	7940
85°	8580

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 33652 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.1	5.8
10°-20°	2057.8	16.4
20°-30°	2943.2	23.4
30°-40°	3017.0	24.0
40°-50°	2160.6	17.2
50°-60°	1002.6	8.0
60°-70°	340.2	2.7
70°-80°	217.6	1.7
80°-90°	91.3	0.7
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°	5730.2	45.6
0°-40°	8747.1	69.6
0°-60°	11910.3	94.8
0°-90°	12559.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12559.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7706	
5°	7682	729
15°	7328	2058
25°	6418	2943
35°	4893	3017
45°	2749	2161
55°	1056	1003
65°	329	340
75°	209	218
85°	86	91
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7706.2
2.5°	7685.9
5°	7681.6
7.5°	7638.4
10°	7552.9
12.5°	7454.6
15°	7328.3
17.5°	7146.2
20°	6919.1
22.5°	6677.7
25°	6418.4
27.5°	6124.5
30°	5773.7
32.5°	5367.1
35°	4892.6
37.5°	4346.2
40°	3751.4
42.5°	3214.3
45°	2749.2
47.5°	2390.8
50°	2042.6
52.5°	1570.7
55°	1056.5
57.5°	636.3
60°	499.0
62.5°	403.3
65°	328.7
67.5°	273.6
70°	244.8
72.5°	224.5
75°	209.3
77.5°	188.1
80°	159.3
82.5°	124.5
85°	86.4
87.5°	44.9
90°	0.0

(END OF REPORT)