

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: P1504745

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504745
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-34)
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_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

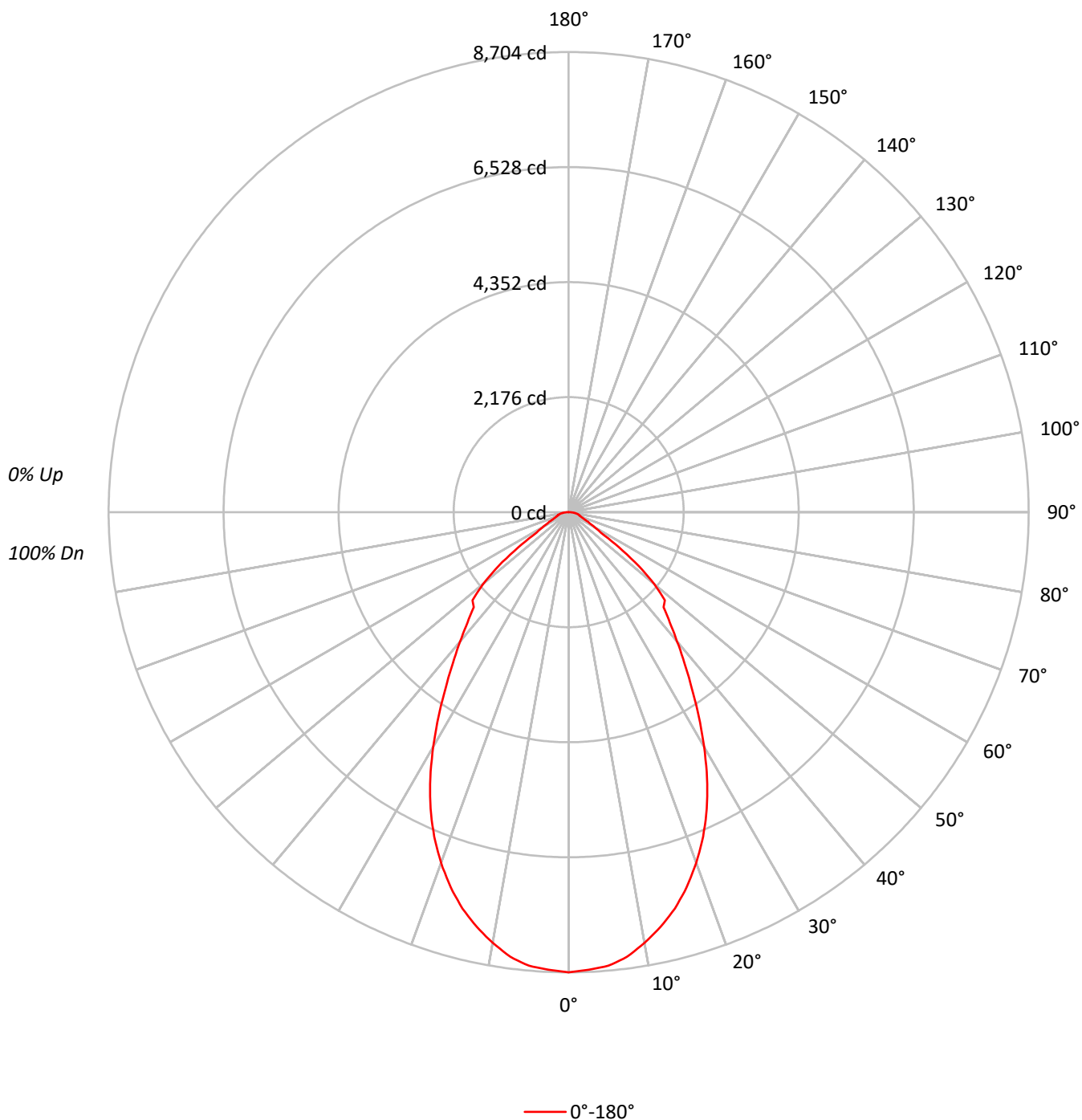
Lumens per Lamp: N/A
Luminaire Lumens: 12125.9 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

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	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	60	68	64	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75339
5°	74831
10°	72688
15°	69554
20°	65012
25°	59073
30°	51203
35°	42843
40°	36050
45°	31101
50°	28474
55°	17553
60°	9871
65°	7148
70°	6195
75°	6856
80°	7726
85°	7994

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 31629 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.2	6.7
10°-20°	2172.0	17.9
20°-30°	2819.2	23.2
30°-40°	2549.9	21.0
40°-50°	2021.6	16.7
50°-60°	1084.5	8.9
60°-70°	367.3	3.0
70°-80°	213.9	1.8
80°-90°	86.3	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°	5802.4	47.9
0°-40°	8352.3	68.9
0°-60°	11458.4	94.5
0°-90°	12125.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12125.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8704	
5°	8613	811
15°	7762	2172
25°	6186	2819
35°	4055	2550
45°	2541	2022
55°	1163	1084
65°	349	367
75°	205	214
85°	80	86
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8704.2
2.5°	8663.5
5°	8612.7
7.5°	8482.2
10°	8270.4
12.5°	8035.8
15°	7762.1
17.5°	7433.4
20°	7058.1
22.5°	6645.5
25°	6185.5
27.5°	5668.7
30°	5123.1
32.5°	4580.8
35°	4054.7
37.5°	3595.5
40°	3190.6
42.5°	2830.5
45°	2540.8
47.5°	2468.8
50°	2114.6
52.5°	1671.5
55°	1163.2
57.5°	722.7
60°	570.2
62.5°	448.2
65°	349.0
67.5°	283.8
70°	244.8
72.5°	221.1
75°	205.0
77.5°	183.8
80°	155.0
82.5°	119.5
85°	80.5
87.5°	39.8
90°	0.0

(END OF REPORT)