

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: P1504385

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504385
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-22)
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 (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

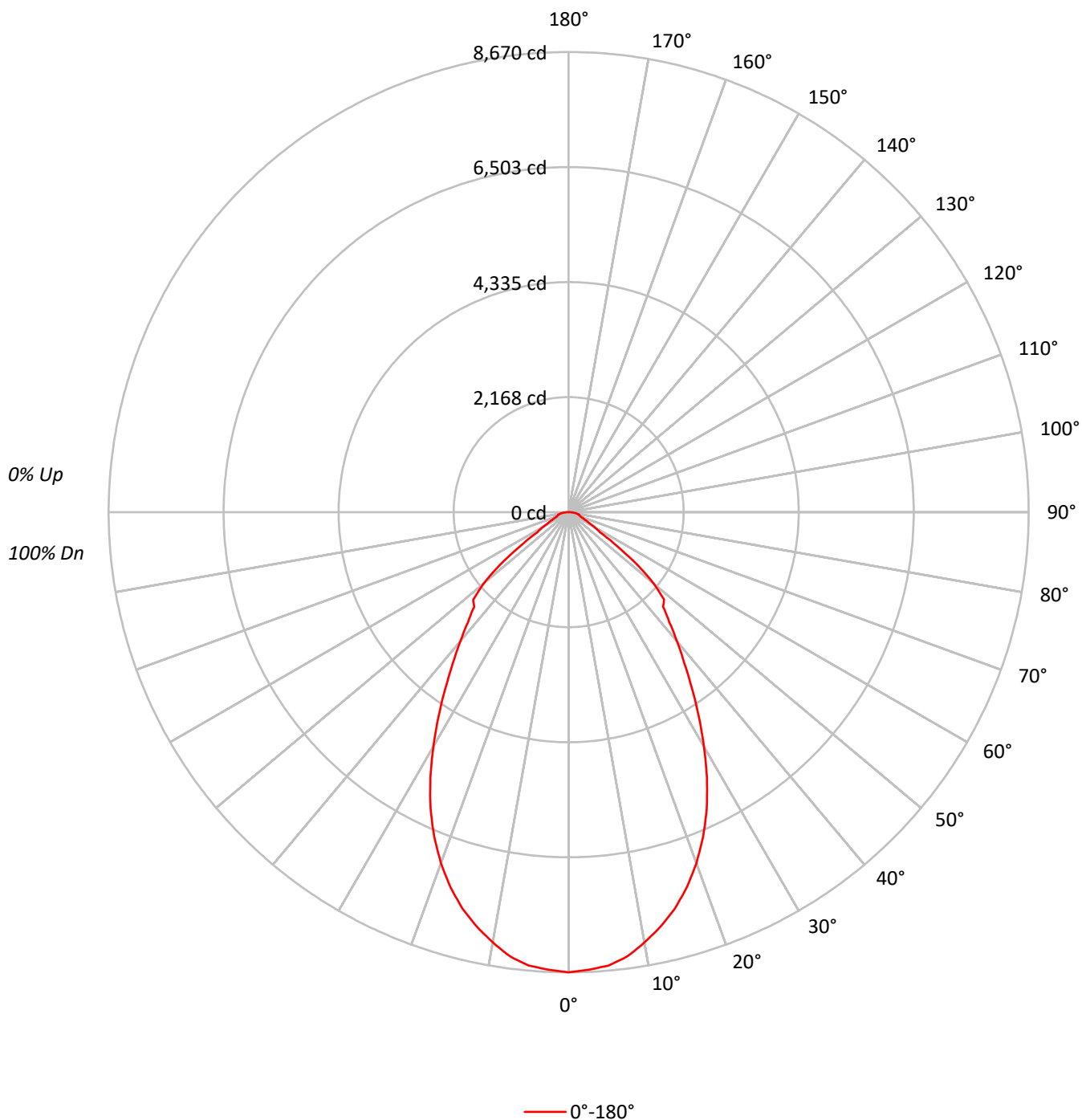
Lumens per Lamp: N/A
Luminaire Lumens: 12043.0 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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	61	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	51	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	47	43	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79178
5°	78610
10°	76329
15°	73103
20°	68375
25°	62057
30°	53785
35°	45084
40°	37806
45°	32531
50°	29673
55°	17739
60°	10152
65°	7360
70°	6425
75°	7266
80°	8510
85°	9326

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 32985 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	807.6	6.7
10°-20°	2163.3	18.0
20°-30°	2807.2	23.3
30°-40°	2539.4	21.1
40°-50°	2002.8	16.6
50°-60°	1055.4	8.8
60°-70°	358.6	3.0
70°-80°	215.2	1.8
80°-90°	93.5	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°	5778.1	48.0
0°-40°	8317.5	69.1
0°-60°	11375.7	94.5
0°-90°	12043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12043.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8670	
5°	8575	808
15°	7732	2163
25°	6158	2807
35°	4044	2539
45°	2519	2003
55°	1114	1055
65°	341	359
75°	206	215
85°	89	94
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8669.5
2.5°	8628.0
5°	8574.6
7.5°	8444.1
10°	8230.6
12.5°	7998.5
15°	7731.6
17.5°	7406.3
20°	7035.2
22.5°	6619.2
25°	6158.3
27.5°	5641.6
30°	5100.2
32.5°	4563.1
35°	4043.7
37.5°	3578.6
40°	3171.1
42.5°	2807.6
45°	2518.7
47.5°	2440.0
50°	2088.4
52.5°	1634.3
55°	1114.1
57.5°	698.9
60°	555.8
62.5°	436.3
65°	340.6
67.5°	277.9
70°	240.6
72.5°	219.4
75°	205.9
77.5°	188.1
80°	161.8
82.5°	128.8
85°	89.0
87.5°	44.9
90°	0.0

(END OF REPORT)