

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: P1504724

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504724
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 (3500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

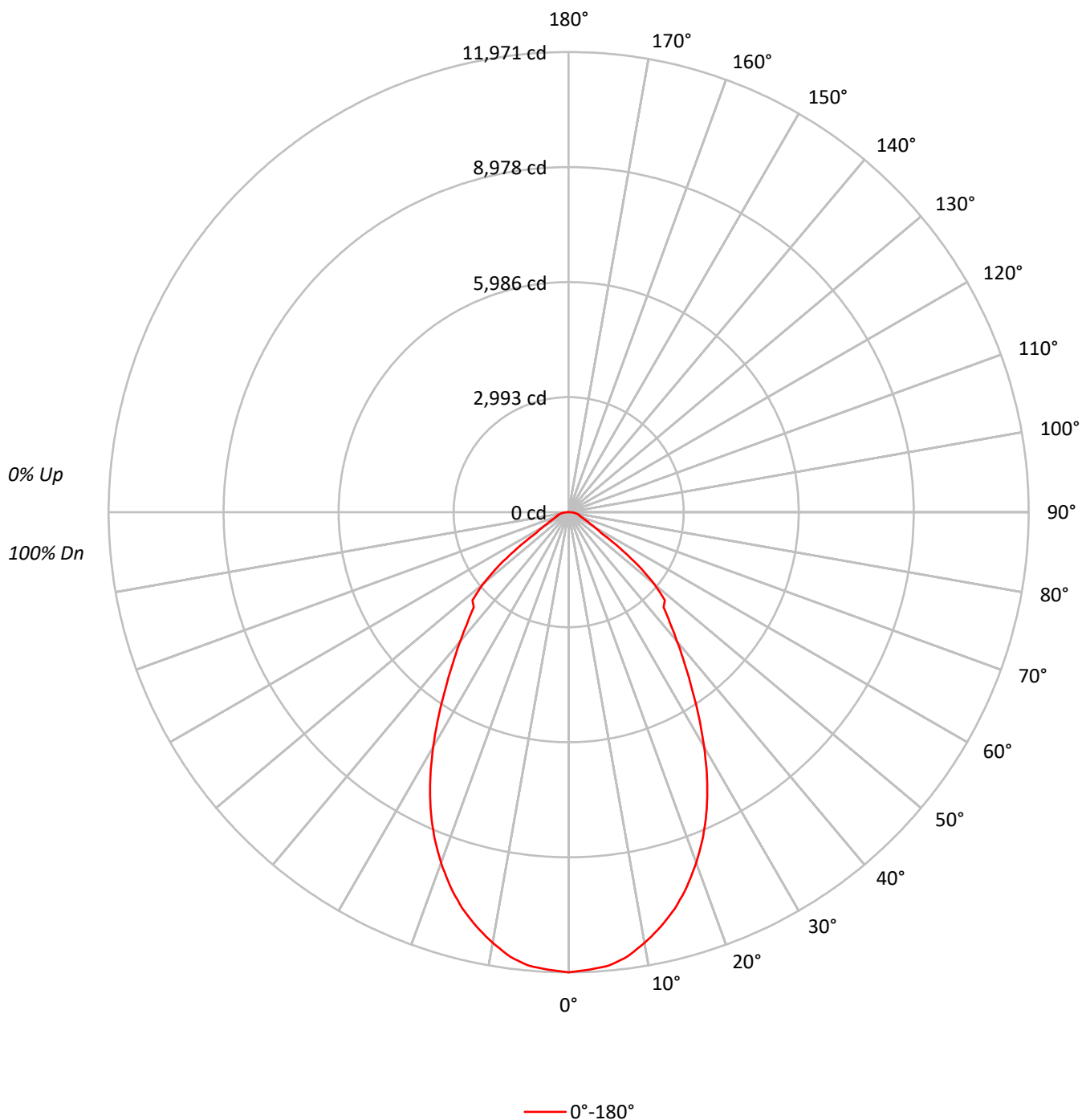
Lumens per Lamp: N/A
Luminaire Lumens: 16677.5 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 120.7
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°	103618
5°	102921
10°	99974
15°	95663
20°	89414
25°	81247
30°	70422
35°	58925
40°	49582
45°	42775
50°	39163
55°	24141
60°	13575
65°	9833
70°	8521
75°	9431
80°	10627
85°	10994

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 43501 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1115.7	6.7
10°-20°	2987.3	17.9
20°-30°	3877.4	23.2
30°-40°	3507.0	21.0
40°-50°	2780.4	16.7
50°-60°	1491.6	8.9
60°-70°	505.2	3.0
70°-80°	294.2	1.8
80°-90°	118.8	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°	7980.4	47.9
0°-40°	11487.4	68.9
0°-60°	15759.4	94.5
0°-90°	16677.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16677.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11971	
5°	11846	###
15°	10676	2987
25°	8507	3877
35°	5577	3507
45°	3494	2780
55°	1600	1492
65°	480	505
75°	282	294
85°	111	119
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11971.4
2.5°	11915.5
5°	11845.6
7.5°	11666.2
10°	11374.9
12.5°	11052.1
15°	10675.7
17.5°	10223.6
20°	9707.4
22.5°	9140.0
25°	8507.3
27.5°	7796.5
30°	7046.1
32.5°	6300.3
35°	5576.7
37.5°	4945.2
40°	4388.2
42.5°	3893.0
45°	3494.5
47.5°	3395.4
50°	2908.4
52.5°	2299.0
55°	1599.8
57.5°	993.9
60°	784.2
62.5°	616.4
65°	480.1
67.5°	390.3
70°	336.7
72.5°	304.1
75°	282.0
77.5°	252.9
80°	213.2
82.5°	164.3
85°	110.7
87.5°	54.8
90°	0.0

(END OF REPORT)