

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: P1504734

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504734
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-36)
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 (4000K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

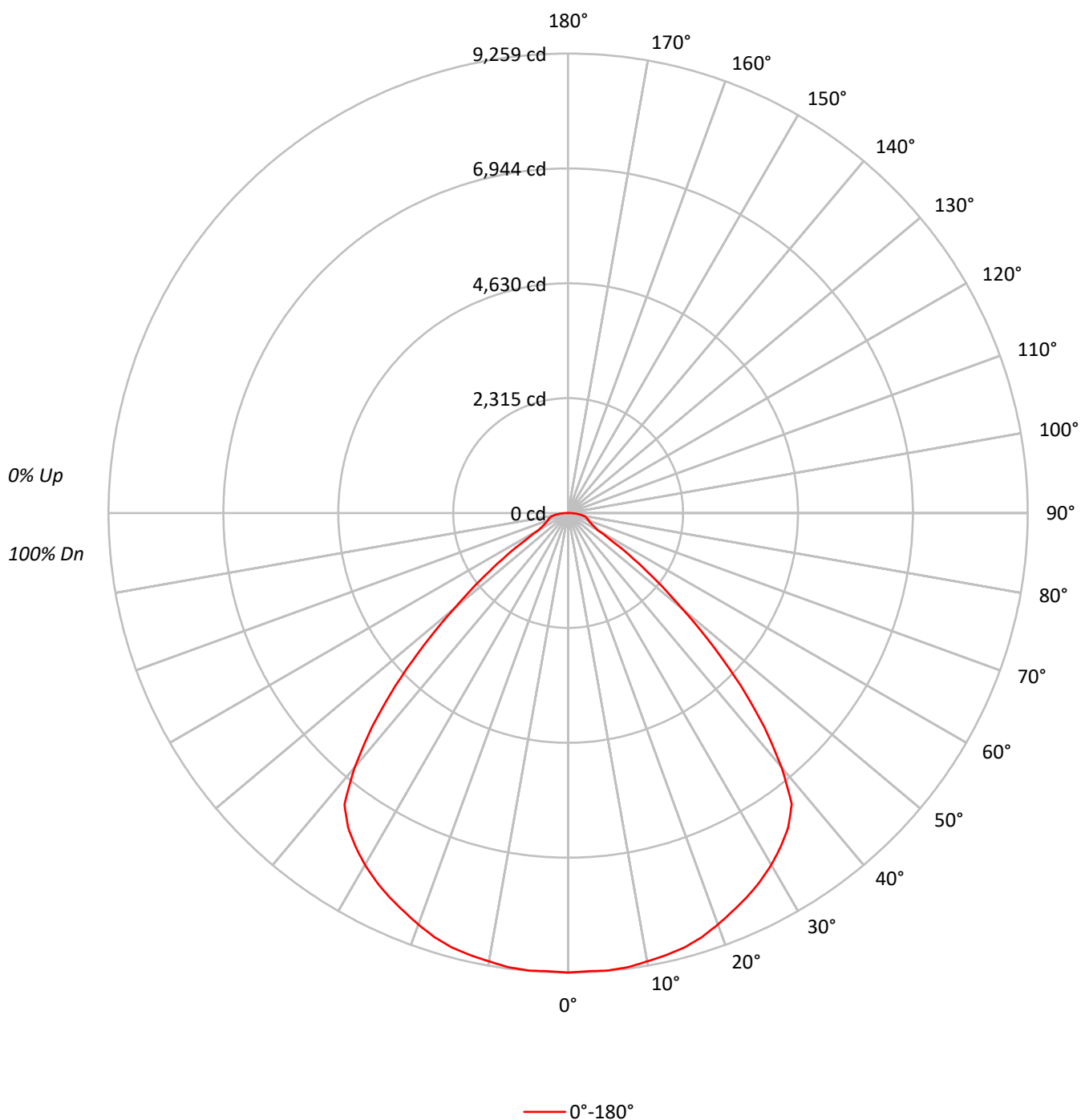
Lumens per Lamp: N/A
Luminaire Lumens: 18504.2 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		89
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70		70
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62		62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		50
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41		41
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37		37
10	60	48	41	36	59	47	40	36	46	40	36	46	40	36	45	39	35	34		34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	80142
5°	80376
10°	80616
15°	81181
20°	81259
25°	81496
30°	81786
35°	81659
40°	75551
45°	60158
50°	40461
55°	24160
60°	11801
65°	10703
70°	11120
75°	13066
80°	15571
85°	17578

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 60158 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	880.6	4.8
10°-20°	2556.1	13.8
20°-30°	3935.6	21.3
30°-40°	4778.6	25.8
40°-50°	3742.9	20.2
50°-60°	1490.2	8.1
60°-70°	529.8	2.9
70°-80°	406.8	2.2
80°-90°	183.8	1.0
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°	7372.2	39.8
0°-40°	12150.8	65.7
0°-60°	17383.8	93.9
0°-90°	18504.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18504.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9259	
5°	9251	881
15°	9060	2556
25°	8533	3936
35°	7728	4779
45°	4915	3743
55°	1601	1490
65°	523	530
75°	391	407
85°	177	184
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9259.1
2.5°	9241.3
5°	9250.8
7.5°	9229.4
10°	9172.4
12.5°	9122.5
15°	9059.6
17.5°	8958.6
20°	8822.0
22.5°	8675.9
25°	8533.4
27.5°	8371.9
30°	8183.1
32.5°	7970.5
35°	7728.2
37.5°	7399.2
40°	6686.6
42.5°	5846.9
45°	4914.6
47.5°	3928.8
50°	3004.8
52.5°	2243.5
55°	1601.0
57.5°	1046.3
60°	681.7
62.5°	590.3
65°	522.6
67.5°	467.9
70°	439.4
72.5°	414.5
75°	390.7
77.5°	358.7
80°	312.4
82.5°	254.2
85°	177.0
87.5°	87.9
90°	0.0

(END OF REPORT)