

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: P1504732

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504732
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 (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

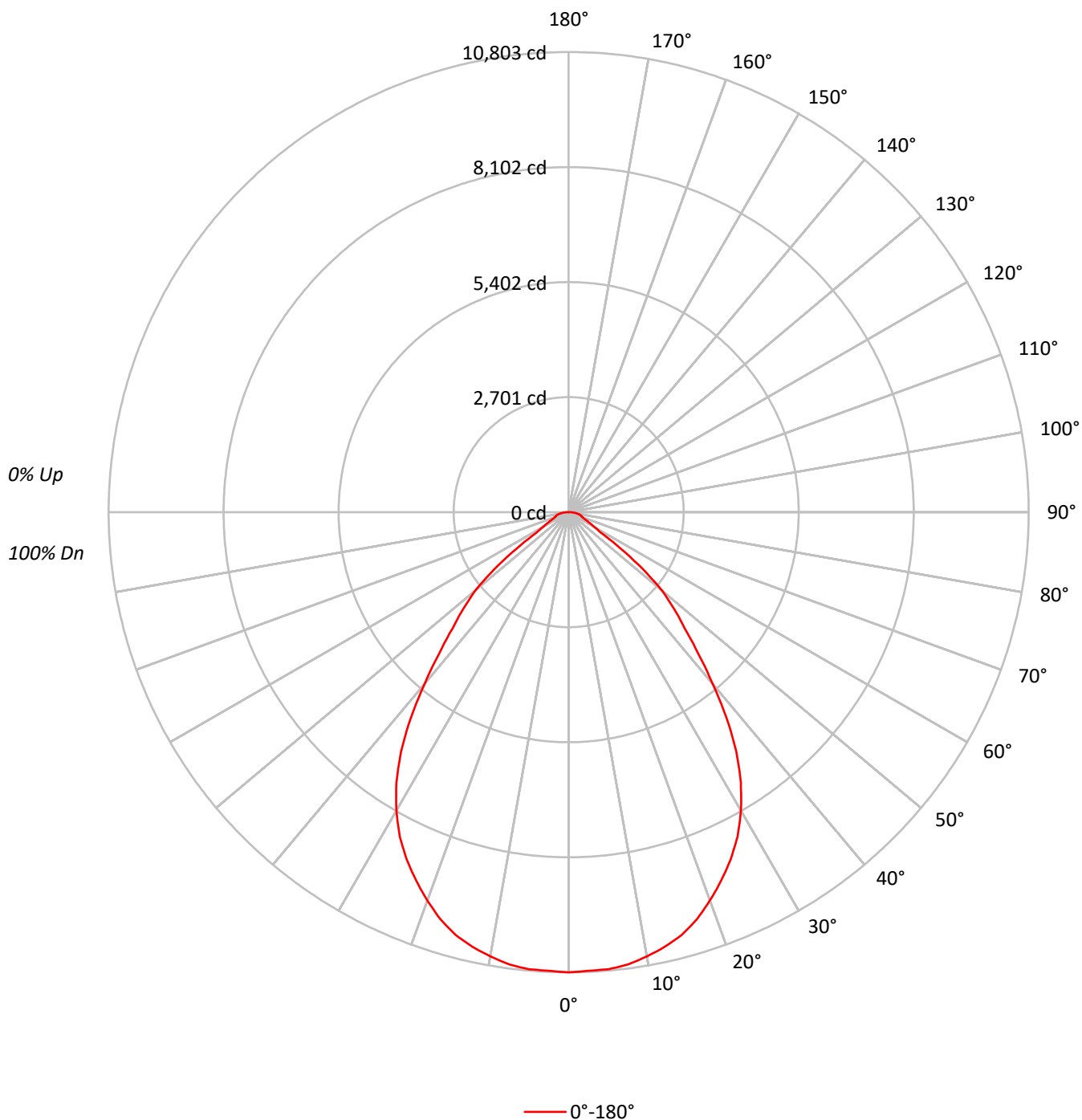
Lumens per Lamp: N/A
Luminaire Lumens: 17606.6 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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°	93506
5°	93563
10°	93058
15°	92058
20°	89343
25°	85931
30°	80895
35°	72472
40°	59421
45°	47175
50°	38558
55°	22349
60°	12109
65°	9437
70°	8685
75°	9812
80°	11130
85°	12026

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 47175 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1022.2	5.8
10°-20°	2884.8	16.4
20°-30°	4126.0	23.4
30°-40°	4229.4	24.0
40°-50°	3028.8	17.2
50°-60°	1405.5	8.0
60°-70°	476.9	2.7
70°-80°	305.1	1.7
80°-90°	128.0	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°	8032.9	45.6
0°-40°	12262.3	69.6
0°-60°	16696.6	94.8
0°-90°	17606.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17606.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10803	
5°	10769	###
15°	10273	2885
25°	8998	4126
35°	6859	4229
45°	3854	3029
55°	1481	1405
65°	461	477
75°	293	305
85°	121	128
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10803.1
2.5°	10774.6
5°	10768.6
7.5°	10708.1
10°	10588.1
12.5°	10450.3
15°	10273.4
17.5°	10018.0
20°	9699.7
22.5°	9361.2
25°	8997.8
27.5°	8585.7
30°	8094.0
32.5°	7523.9
35°	6858.8
37.5°	6092.8
40°	5259.0
42.5°	4506.0
45°	3854.0
47.5°	3351.6
50°	2863.5
52.5°	2201.9
55°	1481.0
57.5°	891.9
60°	699.5
62.5°	565.3
65°	460.8
67.5°	383.6
70°	343.2
72.5°	314.7
75°	293.4
77.5°	263.7
80°	223.3
82.5°	174.6
85°	121.1
87.5°	62.9
90°	0.0

(END OF REPORT)