

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: P1504363

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504363
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-23)
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 (3500K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

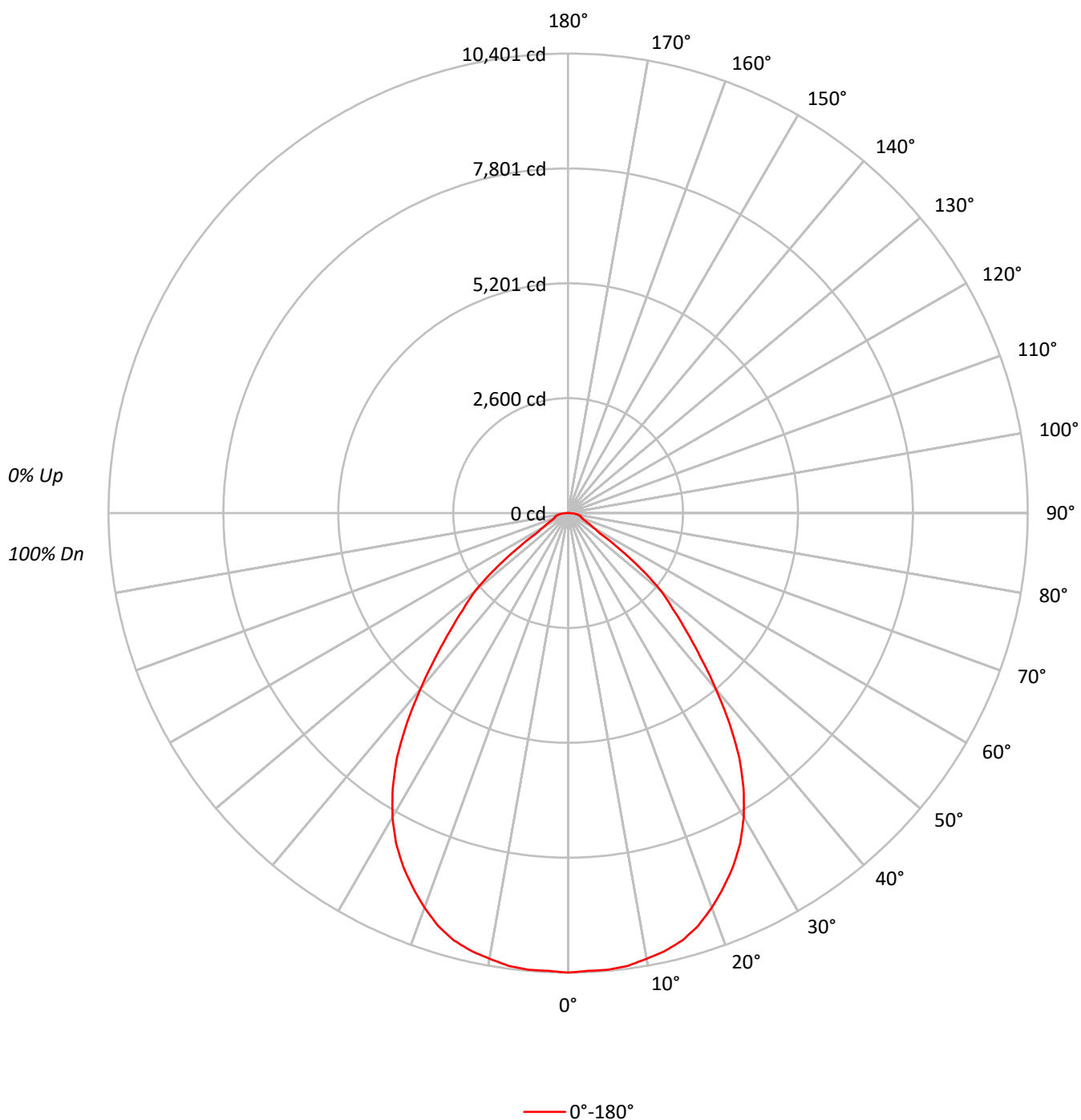
Lumens per Lamp: N/A
Luminaire Lumens: 17210.6 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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	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	67	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°	94988
5°	95117
10°	94995
15°	94638
20°	92354
25°	88992
30°	83805
35°	75206
40°	61971
45°	48806
50°	39088
55°	22320
60°	12216
65°	9619
70°	8991
75°	10360
80°	12254
85°	14042

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48806 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	986.3	5.7
10°-20°	2811.7	16.3
20°-30°	4048.0	23.5
30°-40°	4159.1	24.2
40°-50°	2959.0	17.2
50°-60°	1340.2	7.8
60°-70°	460.9	2.7
70°-80°	306.1	1.8
80°-90°	139.2	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°	7846.0	45.6
0°-40°	12005.1	69.8
0°-60°	16304.3	94.7
0°-90°	17210.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17210.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10401	
5°	10375	986
15°	10009	2812
25°	8831	4048
35°	6745	4159
45°	3779	2959
55°	1402	1340
65°	445	461
75°	294	306
85°	134	139
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10400.7
2.5°	10372.8
5°	10375.1
7.5°	10336.6
10°	10243.4
12.5°	10150.2
15°	10009.2
17.5°	9792.5
20°	9502.4
22.5°	9177.3
25°	8831.2
27.5°	8428.0
30°	7946.8
32.5°	7386.3
35°	6745.4
37.5°	5993.9
40°	5198.0
42.5°	4444.1
45°	3778.8
47.5°	3219.5
50°	2751.1
52.5°	2105.5
55°	1401.8
57.5°	844.8
60°	668.8
62.5°	544.2
65°	445.1
67.5°	374.0
70°	336.7
72.5°	311.1
75°	293.6
77.5°	269.2
80°	233.0
82.5°	188.8
85°	134.0
87.5°	72.2
90°	0.0

(END OF REPORT)