

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: P1504381

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504381
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

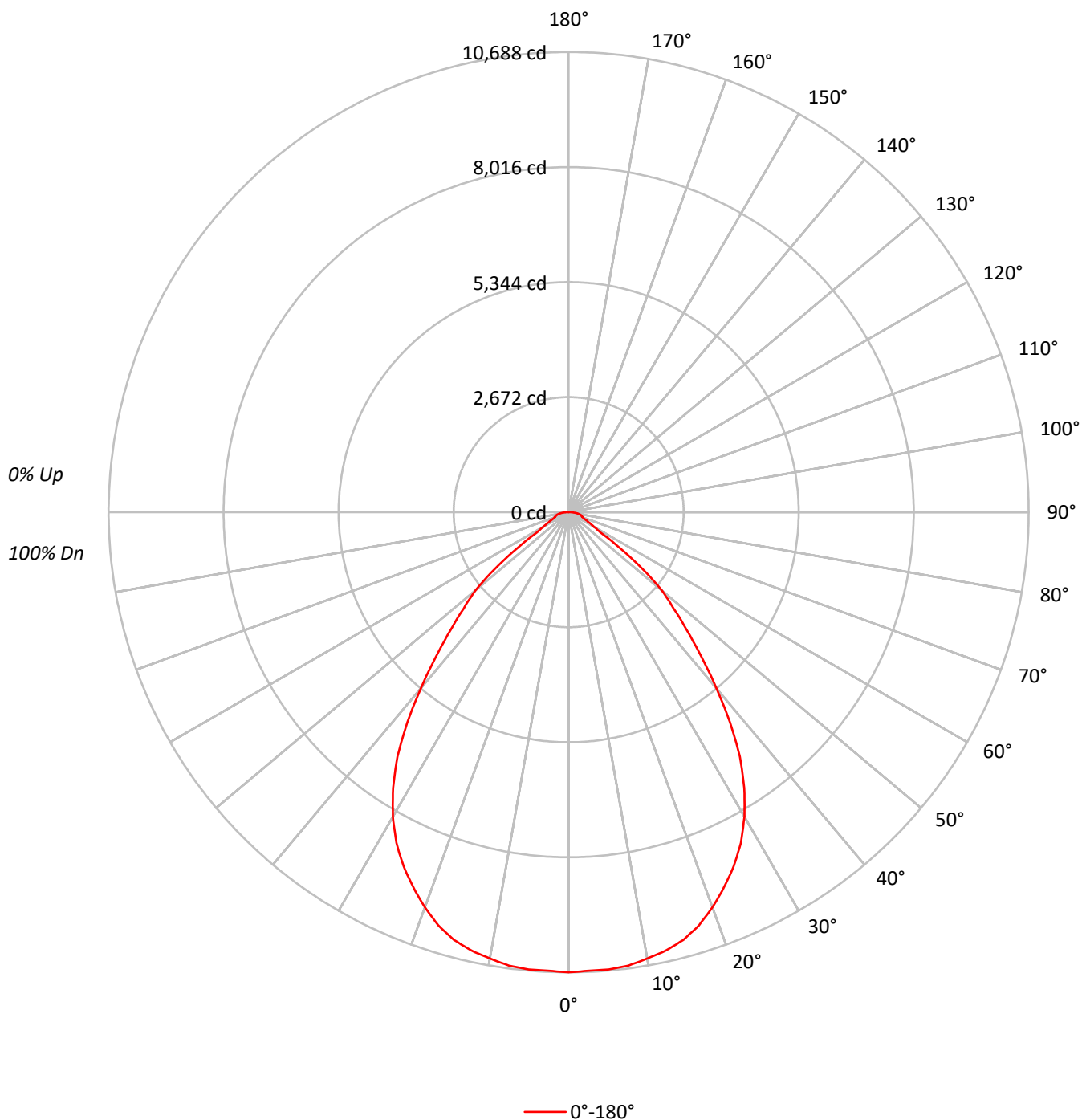
Lumens per Lamp: N/A
Luminaire Lumens: 17686.2 lumens
Efficiency: N/A
Efficacy: 147.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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°	97614
5°	97745
10°	97620
15°	97253
20°	94906
25°	91451
30°	86121
35°	77285
40°	63684
45°	50155
50°	40168
55°	22937
60°	12554
65°	9885
70°	9242
75°	10646
80°	12596
85°	14429

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 50155 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1013.5	5.7
10°-20°	2889.4	16.3
20°-30°	4159.8	23.5
30°-40°	4274.1	24.2
40°-50°	3040.8	17.2
50°-60°	1377.3	7.8
60°-70°	473.7	2.7
70°-80°	314.6	1.8
80°-90°	143.1	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°	8062.8	45.6
0°-40°	12336.8	69.8
0°-60°	16754.9	94.7
0°-90°	17686.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17686.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10688	
5°	10662	###
15°	10286	2889
25°	9075	4160
35°	6932	4274
45°	3883	3041
55°	1440	1377
65°	457	474
75°	302	315
85°	138	143
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10688.2
2.5°	10659.4
5°	10661.8
7.5°	10622.3
10°	10526.5
12.5°	10430.7
15°	10285.8
17.5°	10063.1
20°	9765.0
22.5°	9430.9
25°	9075.2
27.5°	8660.9
30°	8166.4
32.5°	7590.4
35°	6931.9
37.5°	6159.5
40°	5341.7
42.5°	4567.0
45°	3883.2
47.5°	3308.5
50°	2827.1
52.5°	2163.7
55°	1440.5
57.5°	868.1
60°	687.3
62.5°	559.2
65°	457.4
67.5°	384.4
70°	346.1
72.5°	319.7
75°	301.7
77.5°	276.6
80°	239.5
82.5°	194.0
85°	137.7
87.5°	74.2
90°	0.0

(END OF REPORT)