

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: P1504390

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (6500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504390
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

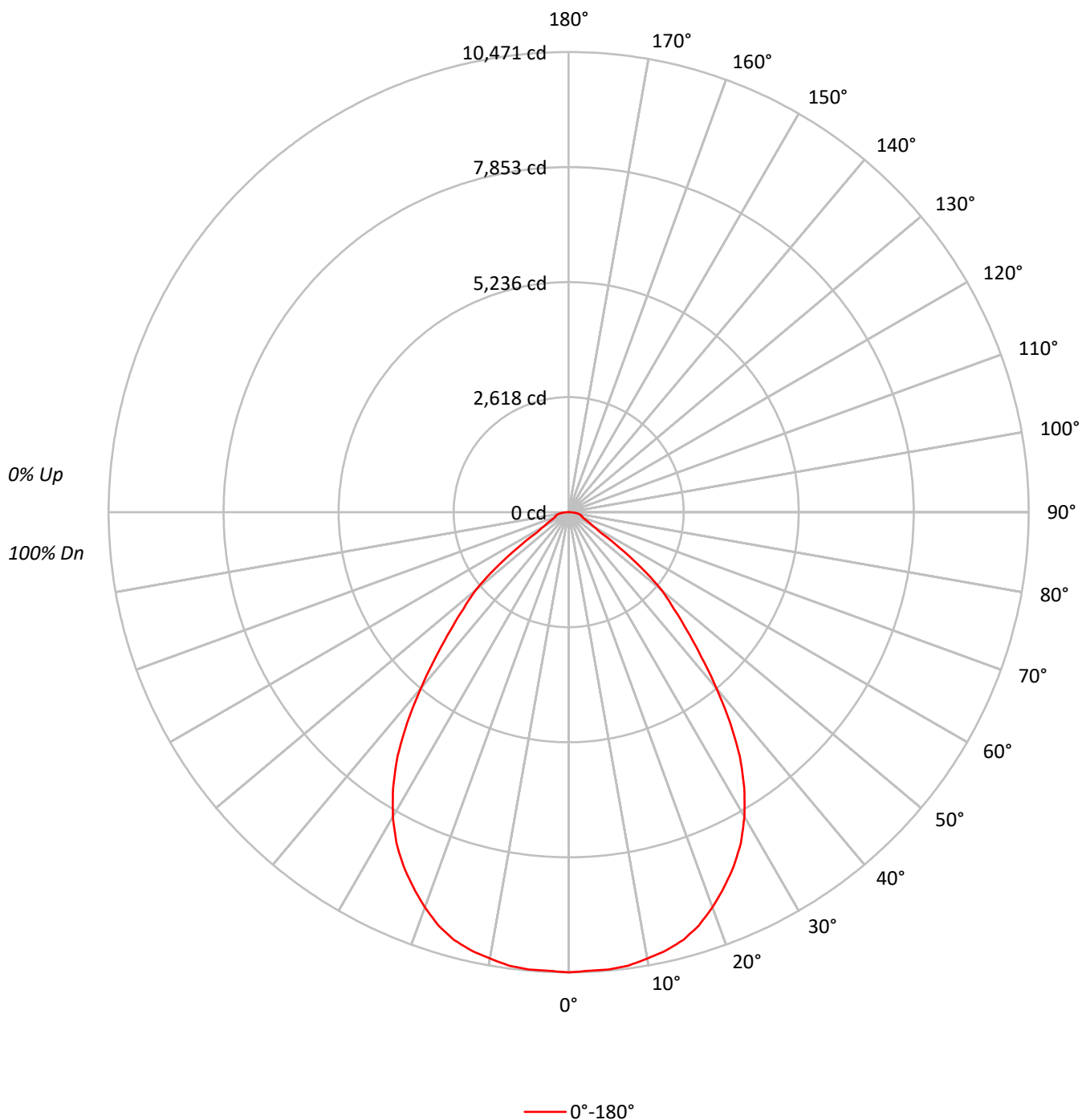
Lumens per Lamp: N/A
Luminaire Lumens: 17327.1 lumens
Efficiency: N/A
Efficacy: 140.5 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 123.3
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	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°	95632
5°	95760
10°	95639
15°	95279
20°	92979
25°	89595
30°	84372
35°	75715
40°	62391
45°	49137
50°	39353
55°	22470
60°	12300
65°	9684
70°	9052
75°	10431
80°	12339
85°	14136

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49137 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	993.0	5.7
10°-20°	2830.8	16.3
20°-30°	4075.4	23.5
30°-40°	4187.3	24.2
40°-50°	2979.0	17.2
50°-60°	1349.3	7.8
60°-70°	464.1	2.7
70°-80°	308.2	1.8
80°-90°	140.1	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°	7899.1	45.6
0°-40°	12086.4	69.8
0°-60°	16414.7	94.7
0°-90°	17327.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17327.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10471	
5°	10445	993
15°	10077	2831
25°	8891	4075
35°	6791	4187
45°	3804	2979
55°	1411	1349
65°	448	464
75°	296	308
85°	135	140
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10471.2
2.5°	10443.0
5°	10445.3
7.5°	10406.6
10°	10312.8
12.5°	10218.9
15°	10077.0
17.5°	9858.8
20°	9566.7
22.5°	9239.4
25°	8891.0
27.5°	8485.1
30°	8000.6
32.5°	7436.3
35°	6791.1
37.5°	6034.5
40°	5233.2
42.5°	4474.2
45°	3804.4
47.5°	3241.3
50°	2769.7
52.5°	2119.8
55°	1411.2
57.5°	850.5
60°	673.4
62.5°	547.8
65°	448.1
67.5°	376.6
70°	339.0
72.5°	313.2
75°	295.6
77.5°	271.0
80°	234.6
82.5°	190.0
85°	134.9
87.5°	72.7
90°	0.0

(END OF REPORT)