

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: P1504545

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504545
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-48)
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-06-WHGL-PS (3500K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

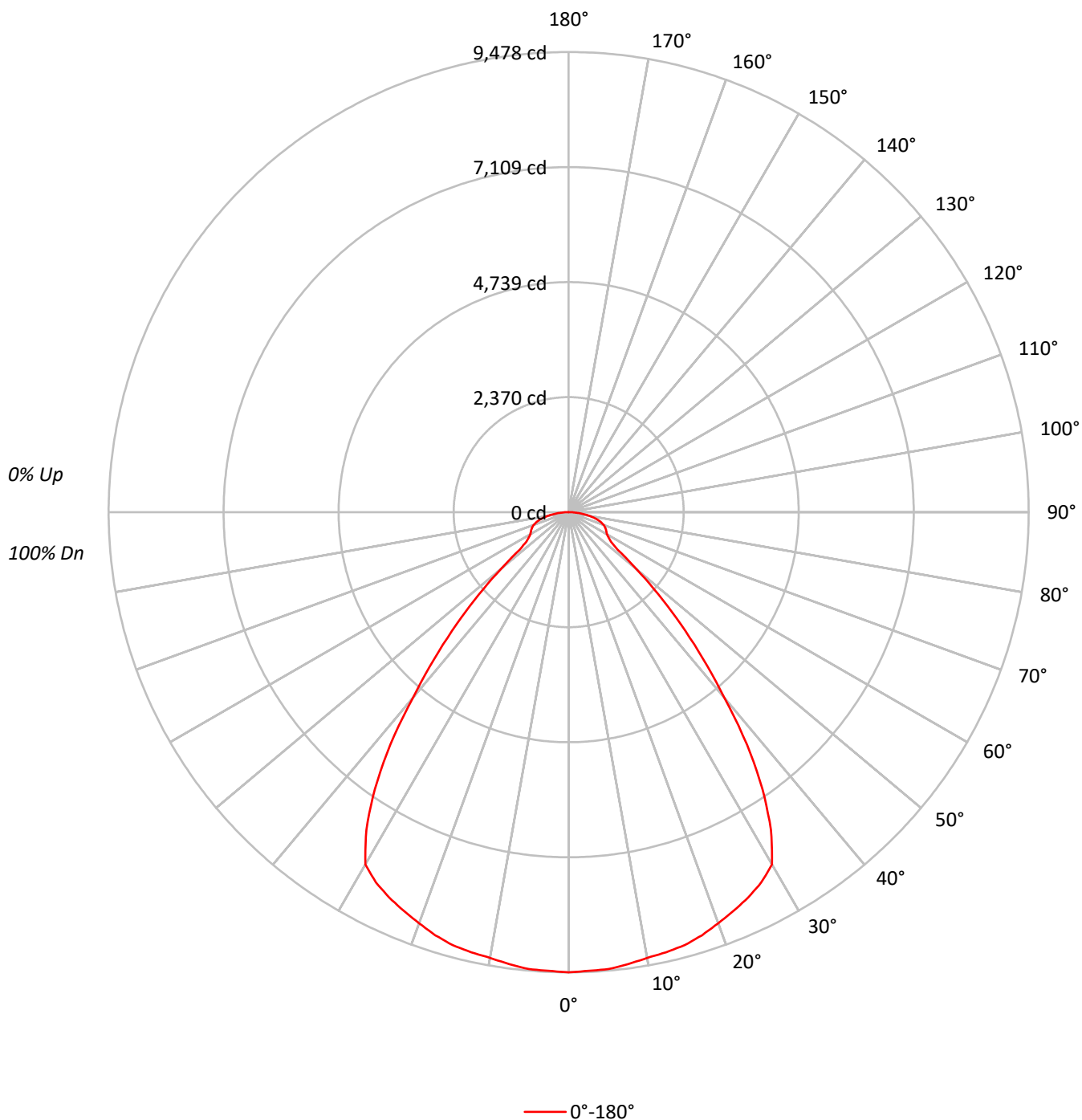
Lumens per Lamp: N/A
Luminaire Lumens: 17101.5 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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	111	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	73	65	59	82	72	64	59	70	63	59	68	62	58	66	61	57	56		
6	78	67	59	54	76	66	59	53	64	58	53	63	57	52	61	56	52	50		
7	73	61	54	49	72	61	53	48	59	53	48	58	52	48	57	51	47	46		
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42		
9	65	53	45	41	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77856
5°	77903
10°	77745
15°	78511
20°	78758
25°	79346
30°	79478
35°	69817
40°	53579
45°	37928
50°	23184
55°	15335
60°	14950
65°	16465
70°	18414
75°	20008
80°	20393
85°	19434

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 37928 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	897.2	5.2
10°-20°	2604.7	15.2
20°-30°	4033.7	23.6
30°-40°	4268.6	25.0
40°-50°	2535.7	14.8
50°-60°	1042.8	6.1
60°-70°	837.2	4.9
70°-80°	653.0	3.8
80°-90°	228.6	1.3
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°	7535.6	44.1
0°-40°	11804.2	69.0
0°-60°	15382.7	89.9
0°-90°	17101.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17101.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9478	
5°	9448	897
15°	9232	2605
25°	8754	4034
35°	6962	4269
45°	3265	2536
55°	1071	1043
65°	847	837
75°	630	653
85°	206	229
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9477.9
2.5°	9453.4
5°	9447.6
7.5°	9387.0
10°	9320.6
12.5°	9283.3
15°	9232.0
17.5°	9136.5
20°	9009.5
22.5°	8885.9
25°	8754.3
27.5°	8595.8
30°	8379.1
32.5°	7759.2
35°	6962.2
37.5°	6035.8
40°	4996.5
42.5°	4089.9
45°	3264.9
47.5°	2509.9
50°	1814.2
52.5°	1271.3
55°	1070.8
57.5°	975.3
60°	910.0
62.5°	878.6
65°	847.1
67.5°	813.3
70°	766.7
72.5°	705.0
75°	630.4
77.5°	539.5
80°	431.1
82.5°	318.1
85°	206.2
87.5°	100.2
90°	0.0

(END OF REPORT)