

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: P1504536

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504536
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 (3000K_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

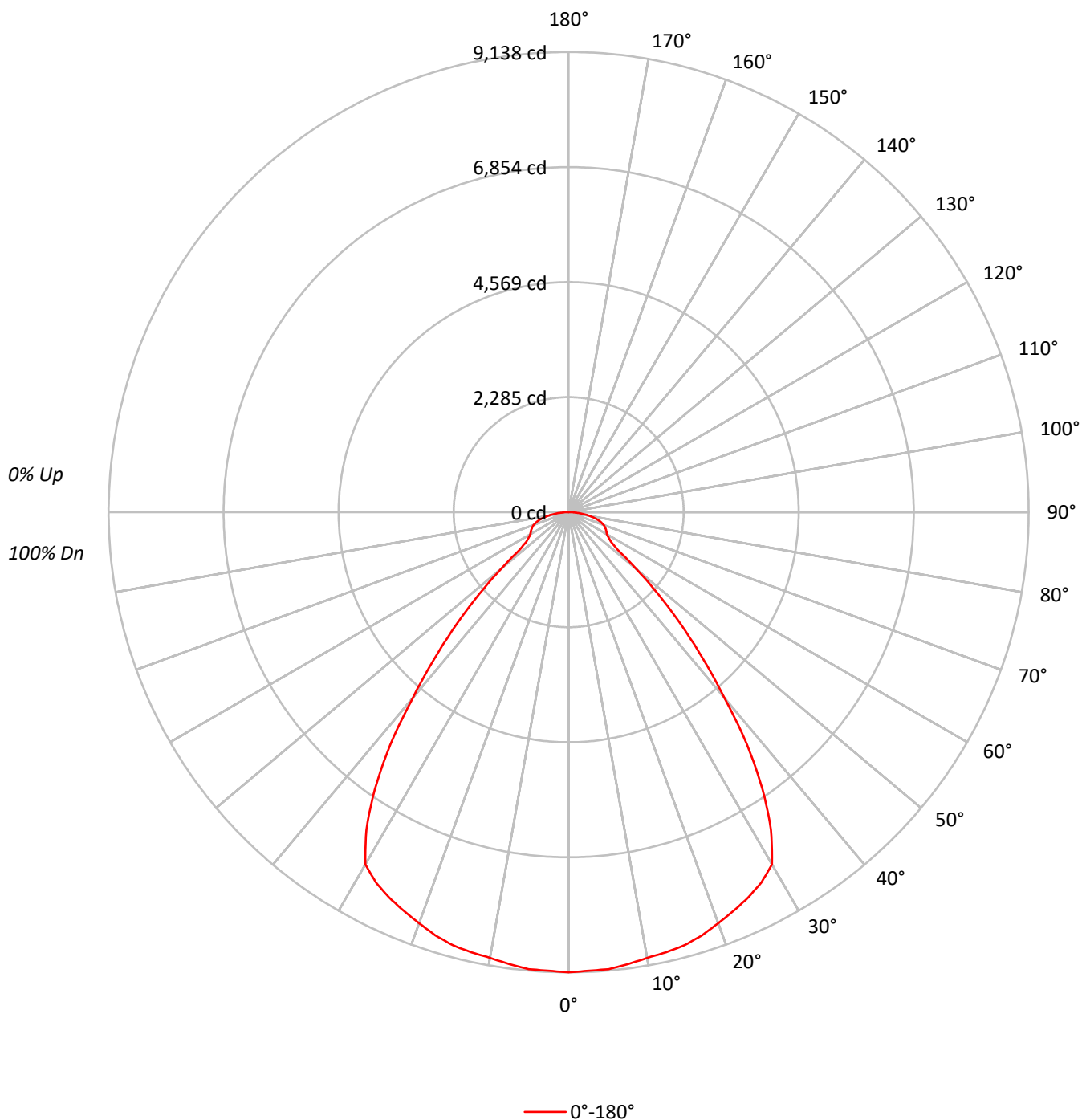
Lumens per Lamp: N/A
Luminaire Lumens: 16488.9 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 122.9
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°	75067
5°	75112
10°	74960
15°	75699
20°	75936
25°	76504
30°	76630
35°	67316
40°	51659
45°	36570
50°	22355
55°	14787
60°	14415
65°	15876
70°	17754
75°	19291
80°	19665
85°	18746

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36570 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	865.0	5.2
10°-20°	2511.4	15.2
20°-30°	3889.2	23.6
30°-40°	4115.6	25.0
40°-50°	2444.9	14.8
50°-60°	1005.5	6.1
60°-70°	807.2	4.9
70°-80°	629.6	3.8
80°-90°	220.4	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°	7265.7	44.1
0°-40°	11381.3	69.0
0°-60°	14831.6	89.9
0°-90°	16488.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16488.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9138	
5°	9109	865
15°	8901	2511
25°	8441	3889
35°	6713	4116
45°	3148	2445
55°	1032	1005
65°	817	807
75°	608	630
85°	199	220
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9138.4
2.5°	9114.8
5°	9109.1
7.5°	9050.7
10°	8986.7
12.5°	8950.7
15°	8901.3
17.5°	8809.2
20°	8686.7
22.5°	8567.6
25°	8440.7
27.5°	8287.9
30°	8078.9
32.5°	7481.2
35°	6712.8
37.5°	5819.6
40°	4817.5
42.5°	3943.4
45°	3148.0
47.5°	2420.0
50°	1749.3
52.5°	1225.7
55°	1032.5
57.5°	940.3
60°	877.4
62.5°	847.1
65°	816.8
67.5°	784.2
70°	739.2
72.5°	679.7
75°	607.8
77.5°	520.2
80°	415.7
82.5°	306.7
85°	198.9
87.5°	96.6
90°	0.0

(END OF REPORT)