

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: P1504905

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504905
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-60)
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-B-06-WHGL-PS (3500K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

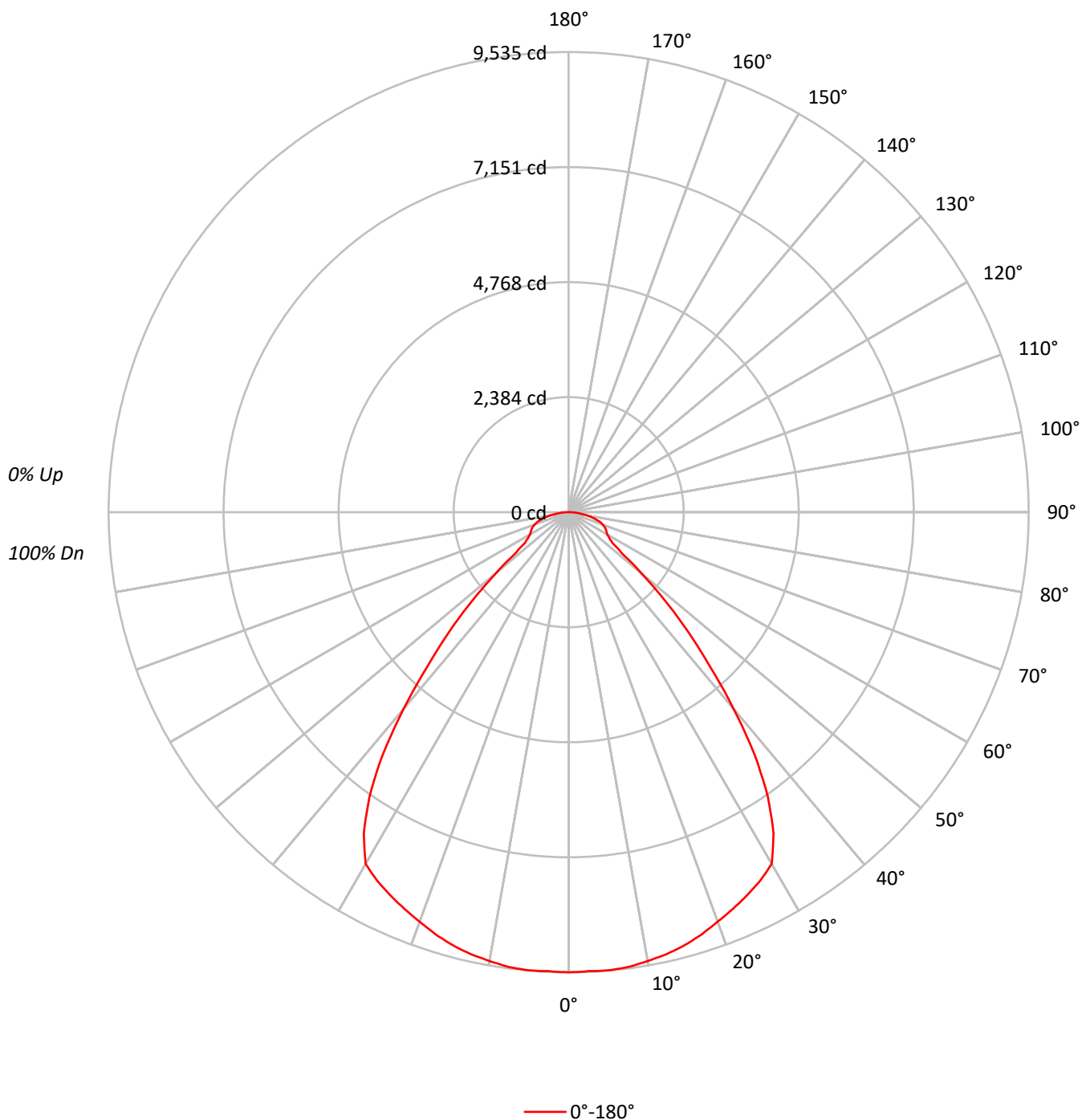
Lumens per Lamp: N/A
Luminaire Lumens: 17423.8 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	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	62	57	52	61	56	52	50		
7	73	61	54	48	71	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	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77324
5°	77571
10°	77749
15°	77987
20°	77912
25°	78342
30°	78789
35°	71266
40°	56286
45°	40010
50°	24741
55°	15585
60°	15006
65°	16299
70°	17847
75°	18621
80°	17849
85°	16478

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40010 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	906.8	5.2
10°-20°	2621.4	15.0
20°-30°	4039.1	23.2
30°-40°	4405.6	25.3
40°-50°	2702.4	15.5
50°-60°	1095.6	6.3
60°-70°	838.6	4.8
70°-80°	615.8	3.5
80°-90°	198.5	1.1
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°	7567.3	43.4
0°-40°	11972.9	68.7
0°-60°	15770.9	90.5
0°-90°	17423.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17423.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9535	
5°	9529	907
15°	9289	2621
25°	8755	4039
35°	7199	4406
45°	3489	2702
55°	1102	1096
65°	849	839
75°	594	616
85°	177	198
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	9535.0
2.5°	9519.8
5°	9529.1
7.5°	9504.7
10°	9441.8
12.5°	9380.0
15°	9289.1
17.5°	9171.4
20°	9028.1
22.5°	8896.4
25°	8755.4
27.5°	8602.8
30°	8414.0
32.5°	7902.5
35°	7198.7
37.5°	6328.3
40°	5316.9
42.5°	4320.6
45°	3488.7
47.5°	2690.5
50°	1961.1
52.5°	1375.0
55°	1102.3
57.5°	999.8
60°	925.2
62.5°	886.7
65°	849.4
67.5°	808.7
70°	752.7
72.5°	680.5
75°	594.3
77.5°	491.7
80°	382.2
82.5°	276.2
85°	177.1
87.5°	85.1
90°	0.0

(END OF REPORT)