

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: P1504535

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504535
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-46)
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_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

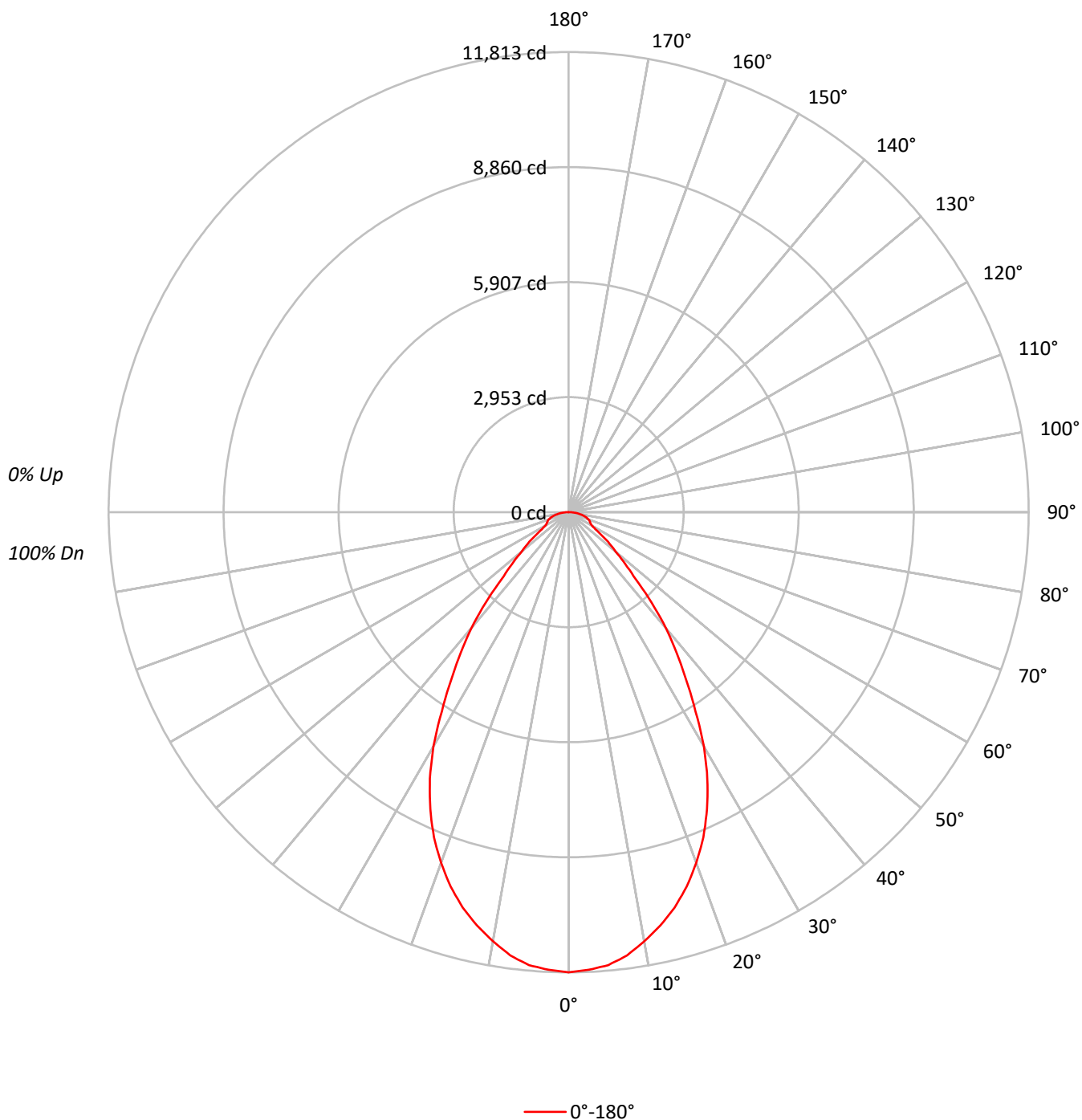
Lumens per Lamp: N/A
Luminaire Lumens: 15329.4 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	50		
8	71	60	53	48	70	59	53	48	58	52	48	57	52	48	56	51	47	46		
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42		
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97041
5°	96235
10°	93280
15°	89352
20°	83754
25°	76228
30°	65825
35°	52748
40°	41683
45°	28230
50°	20115
55°	14947
60°	11333
65°	11792
70°	13005
75°	13800
80°	14192
85°	14609

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28230 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1098.5	7.2
10°-20°	2941.6	19.2
20°-30°	3831.3	25.0
30°-40°	3307.0	21.6
40°-50°	1967.6	12.8
50°-60°	958.4	6.3
60°-70°	605.0	3.9
70°-80°	453.5	3.0
80°-90°	166.5	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°	7871.4	51.3
0°-40°	11178.4	72.9
0°-60°	14104.5	92.0
0°-90°	15329.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15329.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11813	
5°	11671	###
15°	10507	2942
25°	8410	3831
35°	5260	3307
45°	2430	1968
55°	1044	958
65°	607	605
75°	435	454
85°	155	166
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11813.4
2.5°	11758.3
5°	11670.7
7.5°	11478.6
10°	11183.1
12.5°	10868.5
15°	10506.8
17.5°	10076.5
20°	9581.0
22.5°	9033.9
25°	8410.3
27.5°	7713.8
30°	6939.7
32.5°	6062.3
35°	5260.1
37.5°	4557.9
40°	3887.2
42.5°	3155.8
45°	2430.1
47.5°	1973.9
50°	1574.0
52.5°	1321.2
55°	1043.7
57.5°	812.3
60°	689.8
62.5°	639.3
65°	606.7
67.5°	579.7
70°	541.5
72.5°	493.2
75°	434.8
77.5°	369.6
80°	300.0
82.5°	229.2
85°	155.0
87.5°	77.5
90°	0.0

(END OF REPORT)