

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: P1504544

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504544
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 (3500K_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

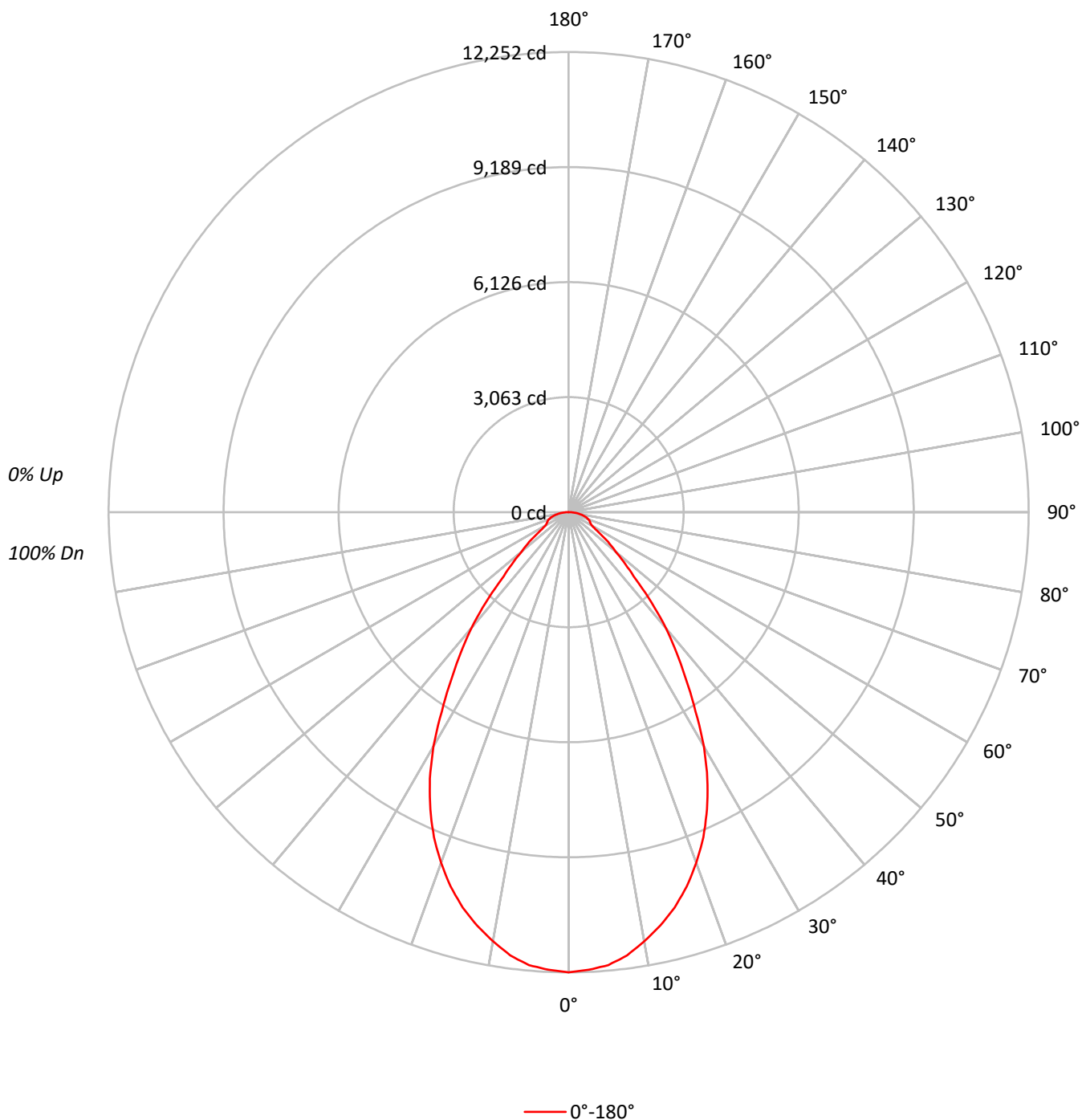
Lumens per Lamp: N/A
Luminaire Lumens: 15899.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	100646
5°	99810
10°	96746
15°	92672
20°	86866
25°	79060
30°	68270
35°	54708
40°	43233
45°	29280
50°	20862
55°	15503
60°	11753
65°	12230
70°	13488
75°	14311
80°	14717
85°	15155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29280 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1139.3	7.2
10°-20°	3050.9	19.2
20°-30°	3973.6	25.0
30°-40°	3429.9	21.6
40°-50°	2040.8	12.8
50°-60°	994.1	6.3
60°-70°	627.4	3.9
70°-80°	470.4	3.0
80°-90°	172.7	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°	8163.8	51.3
0°-40°	11593.7	72.9
0°-60°	14628.5	92.0
0°-90°	15899.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15899.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12252	
5°	12104	###
15°	10897	3051
25°	8723	3974
35°	5456	3430
45°	2520	2041
55°	1082	994
65°	629	627
75°	451	470
85°	161	173
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	12252.3
2.5°	12195.2
5°	12104.3
7.5°	11905.0
10°	11598.6
12.5°	11272.3
15°	10897.1
17.5°	10450.8
20°	9937.0
22.5°	9369.5
25°	8722.8
27.5°	8000.4
30°	7197.5
32.5°	6287.5
35°	5455.5
37.5°	4727.3
40°	4031.7
42.5°	3273.1
45°	2520.4
47.5°	2047.3
50°	1632.5
52.5°	1370.3
55°	1082.5
57.5°	842.5
60°	715.4
62.5°	663.0
65°	629.2
67.5°	601.3
70°	561.6
72.5°	511.5
75°	450.9
77.5°	383.4
80°	311.1
82.5°	237.7
85°	160.8
87.5°	80.4
90°	0.0

(END OF REPORT)