

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: P1504547

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504547
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 (4000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

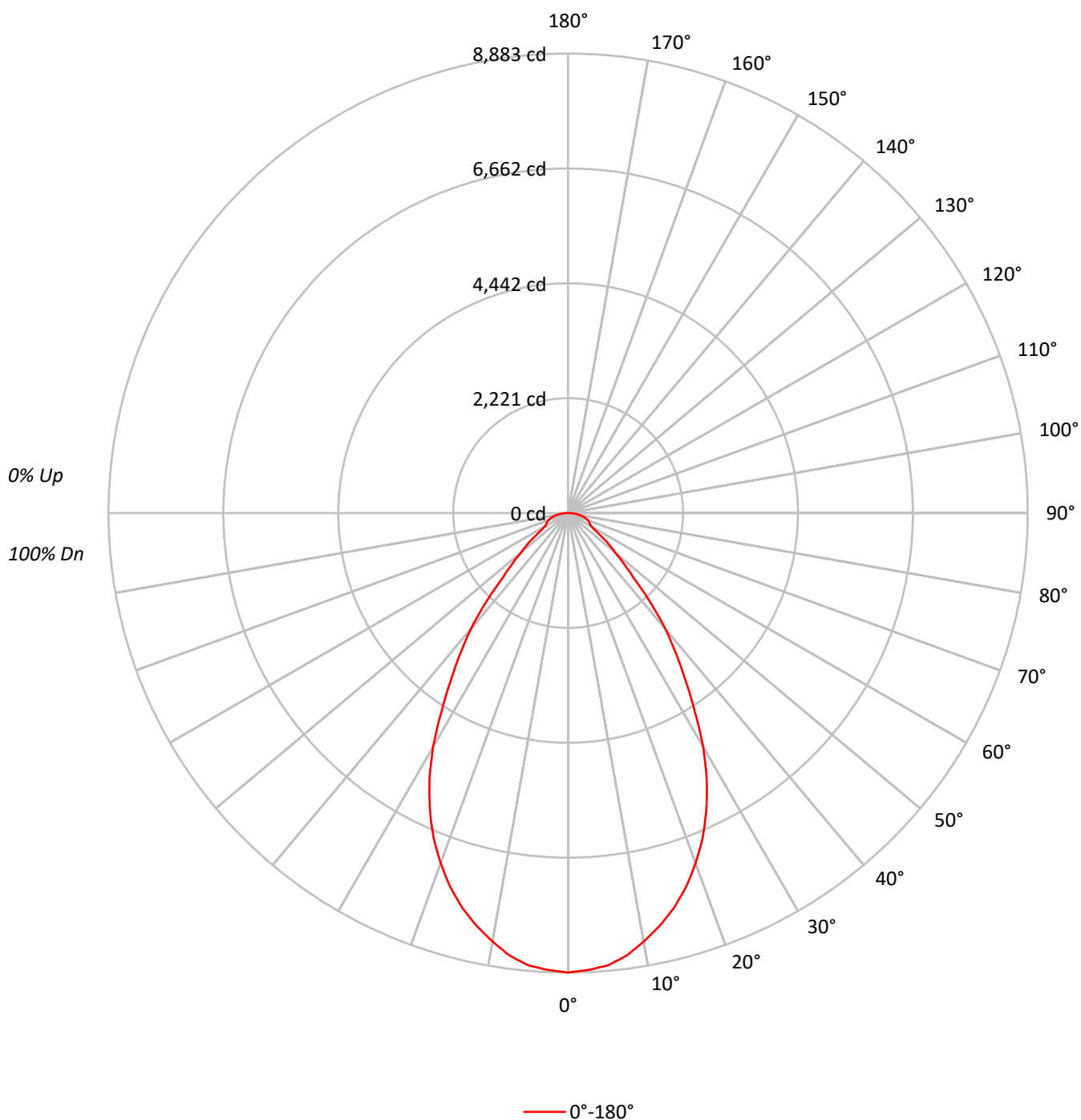
Lumens per Lamp: N/A
Luminaire Lumens: 11527.4 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 80.7
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°	72972
5°	72366
10°	70145
15°	67191
20°	62981
25°	57322
30°	49499
35°	39666
40°	31345
45°	21229
50°	15126
55°	11241
60°	8522
65°	8867
70°	9780
75°	10378
80°	10672
85°	10990

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21229 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	826.0	7.2
10°-20°	2212.0	19.2
20°-30°	2881.1	25.0
30°-40°	2486.8	21.6
40°-50°	1479.6	12.8
50°-60°	720.7	6.3
60°-70°	454.9	3.9
70°-80°	341.1	3.0
80°-90°	125.2	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°	5919.1	51.3
0°-40°	8405.9	72.9
0°-60°	10606.3	92.0
0°-90°	11527.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11527.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8883	
5°	8776	826
15°	7901	2212
25°	6324	2881
35°	3956	2487
45°	1827	1480
55°	785	721
65°	456	455
75°	327	341
85°	117	125
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8883.4
2.5°	8842.0
5°	8776.1
7.5°	8631.7
10°	8409.5
12.5°	8172.9
15°	7900.9
17.5°	7577.3
20°	7204.7
22.5°	6793.3
25°	6324.4
27.5°	5800.6
30°	5218.5
32.5°	4558.7
35°	3955.5
37.5°	3427.5
40°	2923.1
42.5°	2373.1
45°	1827.4
47.5°	1484.4
50°	1183.6
52.5°	993.5
55°	784.9
57.5°	610.8
60°	518.7
62.5°	480.7
65°	456.2
67.5°	435.9
70°	407.2
72.5°	370.9
75°	327.0
77.5°	278.0
80°	225.6
82.5°	172.3
85°	116.6
87.5°	58.3
90°	0.0

(END OF REPORT)