

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: P1504548

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504548
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 (4000K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

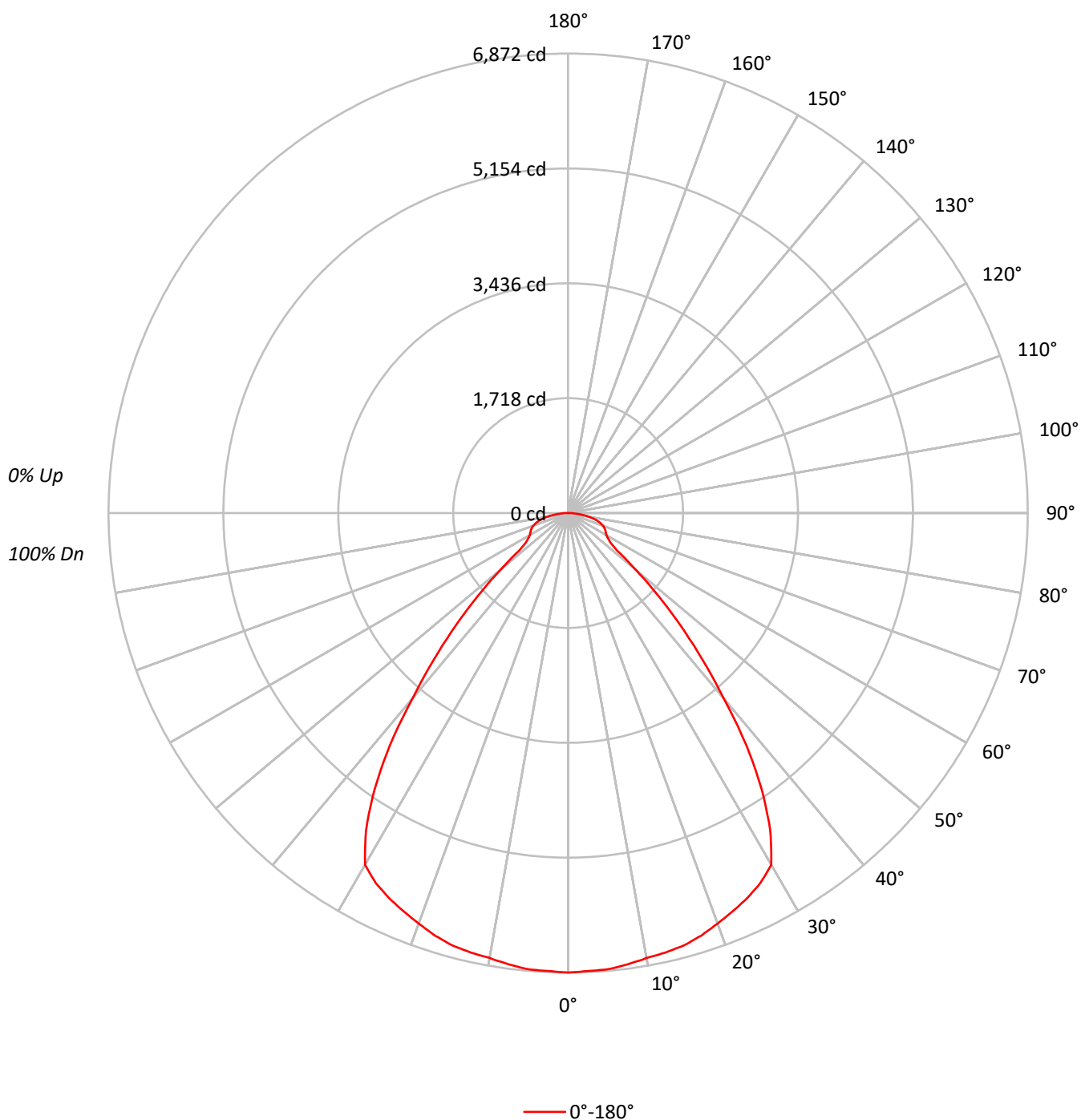
Lumens per Lamp: N/A
Luminaire Lumens: 12399.3 lumens
Efficiency: N/A
Efficacy: 153.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	56449
5°	56483
10°	56368
15°	56924
20°	57103
25°	57529
30°	57625
35°	50620
40°	38846
45°	27500
50°	16810
55°	11119
60°	10840
65°	11938
70°	13351
75°	14508
80°	14788
85°	14090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27500 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	650.5	5.2
10°-20°	1888.5	15.2
20°-30°	2924.6	23.6
30°-40°	3094.9	25.0
40°-50°	1838.5	14.8
50°-60°	756.1	6.1
60°-70°	607.0	4.9
70°-80°	473.5	3.8
80°-90°	165.7	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°	5463.6	44.1
0°-40°	8558.5	69.0
0°-60°	11153.1	89.9
0°-90°	12399.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12399.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6872	
5°	6850	650
15°	6694	1889
25°	6347	2925
35°	5048	3095
45°	2367	1838
55°	776	756
65°	614	607
75°	457	473
85°	150	166
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6871.9
2.5°	6854.1
5°	6849.9
7.5°	6806.0
10°	6757.8
12.5°	6730.8
15°	6693.6
17.5°	6624.3
20°	6532.3
22.5°	6442.7
25°	6347.2
27.5°	6232.3
30°	6075.2
32.5°	5625.7
35°	5047.9
37.5°	4376.2
40°	3622.6
42.5°	2965.4
45°	2367.2
47.5°	1819.8
50°	1315.4
52.5°	921.7
55°	776.4
57.5°	707.1
60°	659.8
62.5°	637.0
65°	614.2
67.5°	589.7
70°	555.9
72.5°	511.1
75°	457.1
77.5°	391.2
80°	312.6
82.5°	230.6
85°	149.5
87.5°	72.7
90°	0.0

(END OF REPORT)