

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: P1504539

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504539
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 (3500K_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

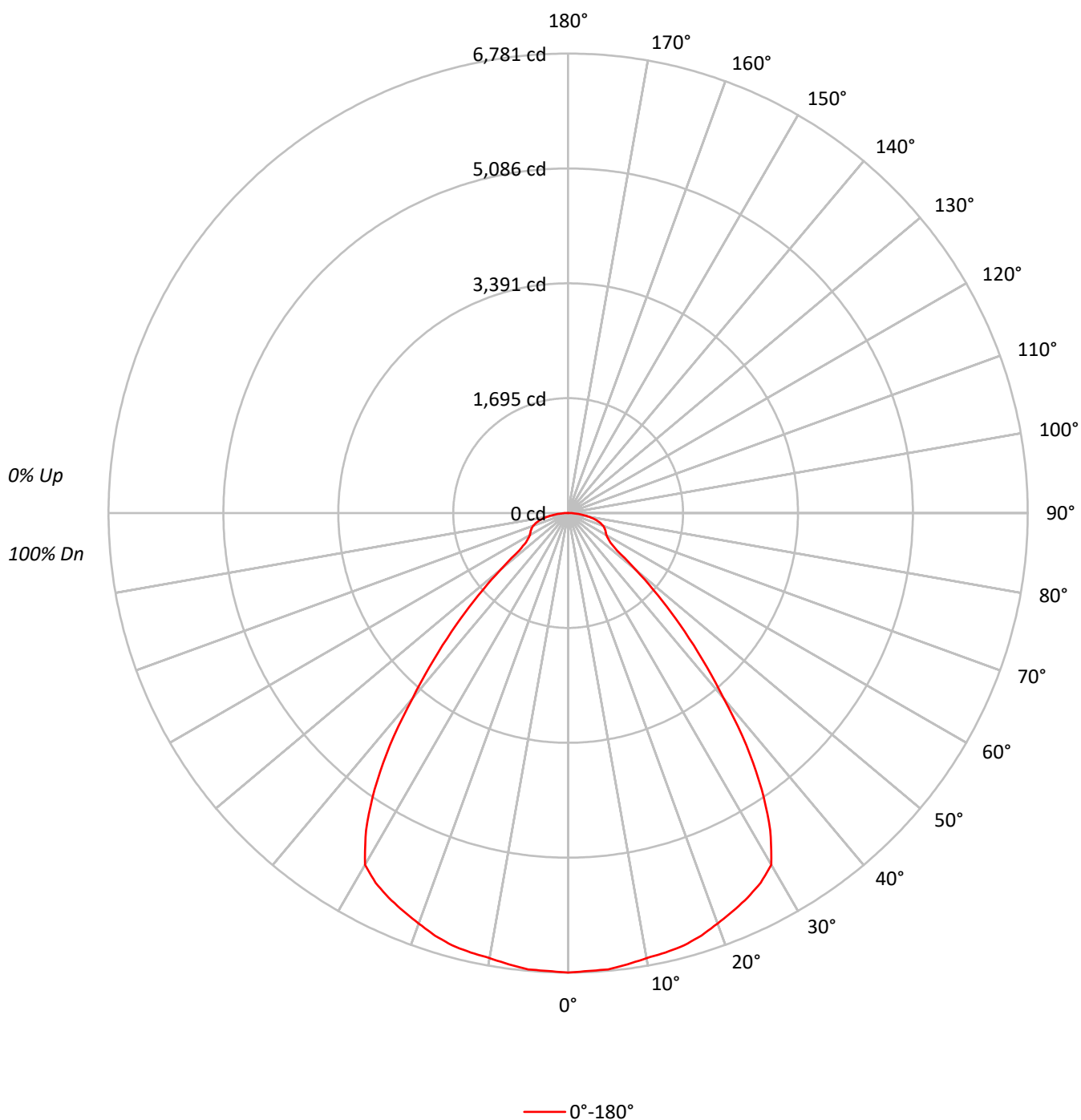
Lumens per Lamp: N/A
Luminaire Lumens: 12235.9 lumens
Efficiency: N/A
Efficacy: 149.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
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°	55705
5°	55739
10°	55625
15°	56174
20°	56350
25°	56771
30°	56865
35°	49953
40°	38334
45°	27137
50°	16589
55°	10973
60°	10697
65°	11781
70°	13176
75°	14314
80°	14594
85°	13911

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27137 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	641.9	5.2
10°-20°	1863.6	15.2
20°-30°	2886.1	23.6
30°-40°	3054.1	25.0
40°-50°	1814.3	14.8
50°-60°	746.1	6.1
60°-70°	599.0	4.9
70°-80°	467.2	3.8
80°-90°	163.6	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°	5391.6	44.1
0°-40°	8445.7	69.0
0°-60°	11006.1	89.9
0°-90°	12235.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12235.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6781	
5°	6760	642
15°	6605	1864
25°	6264	2886
35°	4981	3054
45°	2336	1814
55°	766	746
65°	606	599
75°	451	467
85°	148	164
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6781.3
2.5°	6763.8
5°	6759.6
7.5°	6716.3
10°	6668.7
12.5°	6642.1
15°	6605.4
17.5°	6537.0
20°	6446.1
22.5°	6357.8
25°	6263.6
27.5°	6150.2
30°	5995.1
32.5°	5551.6
35°	4981.3
37.5°	4318.6
40°	3574.9
42.5°	2926.3
45°	2336.0
47.5°	1795.8
50°	1298.1
52.5°	909.6
55°	766.2
57.5°	697.8
60°	651.1
62.5°	628.6
65°	606.1
67.5°	581.9
70°	548.6
72.5°	504.4
75°	451.0
77.5°	386.0
80°	308.5
82.5°	227.6
85°	147.6
87.5°	71.7
90°	0.0

(END OF REPORT)