

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: P1504530

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504530
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 (3000K_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

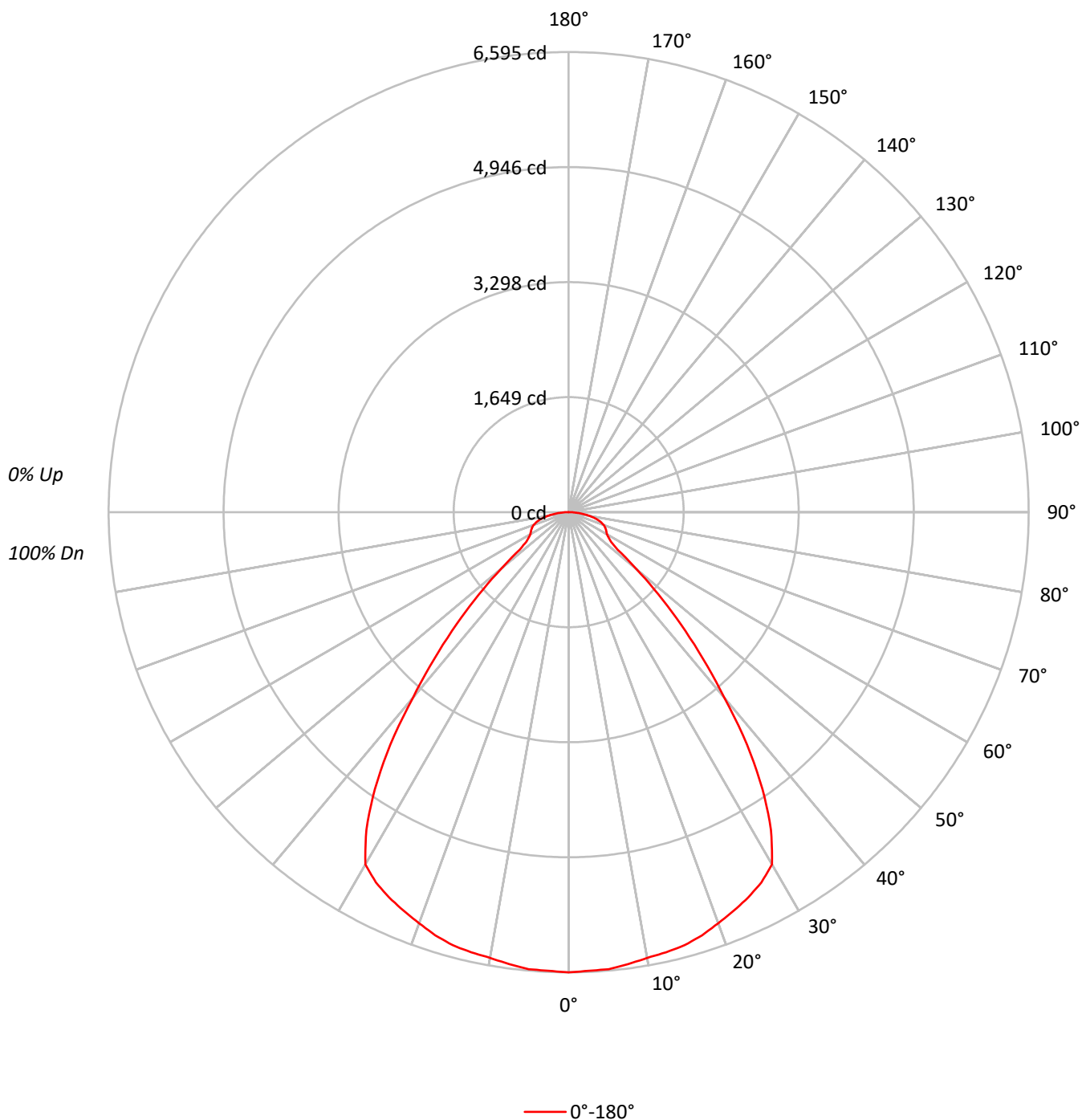
Lumens per Lamp: N/A
Luminaire Lumens: 11900.0 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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°	54176
5°	54209
10°	54098
15°	54632
20°	54803
25°	55213
30°	55305
35°	48582
40°	37282
45°	26393
50°	16133
55°	10671
60°	10403
65°	11458
70°	12813
75°	13924
80°	14192
85°	13525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26393 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	624.3	5.2
10°-20°	1812.5	15.2
20°-30°	2806.9	23.6
30°-40°	2970.3	25.0
40°-50°	1764.5	14.8
50°-60°	725.6	6.1
60°-70°	582.6	4.9
70°-80°	454.4	3.8
80°-90°	159.1	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°	5243.7	44.1
0°-40°	8213.9	69.0
0°-60°	10704.0	89.9
0°-90°	11900.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11900.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6595	
5°	6574	624
15°	6424	1812
25°	6092	2807
35°	4845	2970
45°	2272	1764
55°	745	726
65°	590	583
75°	439	454
85°	144	159
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6595.2
2.5°	6578.1
5°	6574.1
7.5°	6531.9
10°	6485.7
12.5°	6459.8
15°	6424.1
17.5°	6357.6
20°	6269.2
22.5°	6183.3
25°	6091.7
27.5°	5981.4
30°	5830.6
32.5°	5399.2
35°	4844.6
37.5°	4200.0
40°	3476.8
42.5°	2846.0
45°	2271.9
47.5°	1746.5
50°	1262.4
52.5°	884.6
55°	745.1
57.5°	678.7
60°	633.2
62.5°	611.4
65°	589.5
67.5°	565.9
70°	533.5
72.5°	490.5
75°	438.7
77.5°	375.4
80°	300.0
82.5°	221.4
85°	143.5
87.5°	69.7
90°	0.0

(END OF REPORT)