

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: P1504923

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504923
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-60)
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-B-06-WHGL-PS (5000K_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

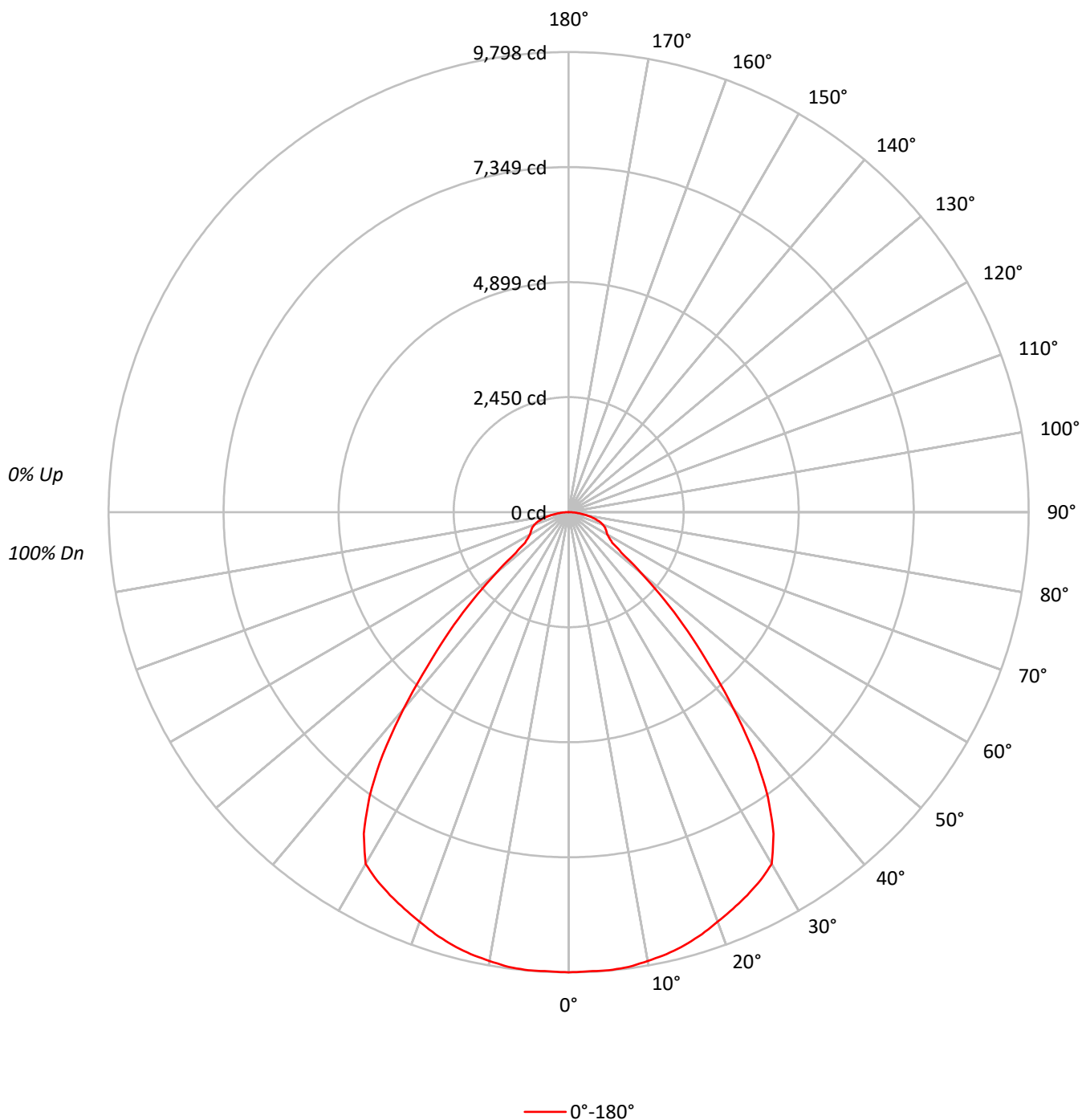
Lumens per Lamp: N/A
Luminaire Lumens: 17905.4 lumens
Efficiency: N/A
Efficacy: 149.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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

TEST NUMBER: P1504923

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (5000K_L18_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504923

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (5000K_L18_Wide_120V)

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	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	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	62	57	52	61	56	52	50		
7	73	61	54	48	71	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	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79461
5°	79716
10°	79898
15°	80142
20°	80065
25°	80507
30°	80967
35°	73236
40°	57841
45°	41116
50°	25425
55°	16016
60°	15421
65°	16750
70°	18340
75°	19135
80°	18344
85°	16934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41116 cd/sqm

TEST NUMBER: P1504923

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (5000K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	931.9	5.2
10°-20°	2693.9	15.0
20°-30°	4150.7	23.2
30°-40°	4527.4	25.3
40°-50°	2777.0	15.5
50°-60°	1125.9	6.3
60°-70°	861.8	4.8
70°-80°	632.9	3.5
80°-90°	204.0	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°	7776.5	43.4
0°-40°	12303.8	68.7
0°-60°	16206.7	90.5
0°-90°	17905.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17905.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9798	
5°	9792	932
15°	9546	2694
25°	8997	4151
35°	7398	4527
45°	3585	2777
55°	1133	1126
65°	873	862
75°	611	633
85°	182	204
90°	0	

TEST NUMBER: P1504923

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (5000K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	9798.5
2.5°	9782.9
5°	9792.5
7.5°	9767.3
10°	9702.7
12.5°	9639.2
15°	9545.8
17.5°	9424.9
20°	9277.6
22.5°	9142.3
25°	8997.4
27.5°	8840.5
30°	8646.6
32.5°	8120.9
35°	7397.7
37.5°	6503.2
40°	5463.8
42.5°	4440.0
45°	3585.1
47.5°	2764.8
50°	2015.3
52.5°	1413.0
55°	1132.8
57.5°	1027.4
60°	950.8
62.5°	911.2
65°	872.9
67.5°	831.0
70°	773.5
72.5°	699.3
75°	610.7
77.5°	505.3
80°	392.8
82.5°	283.8
85°	182.0
87.5°	87.4
90°	0.0

(END OF REPORT)