

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: P1504554

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504554
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_L18_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

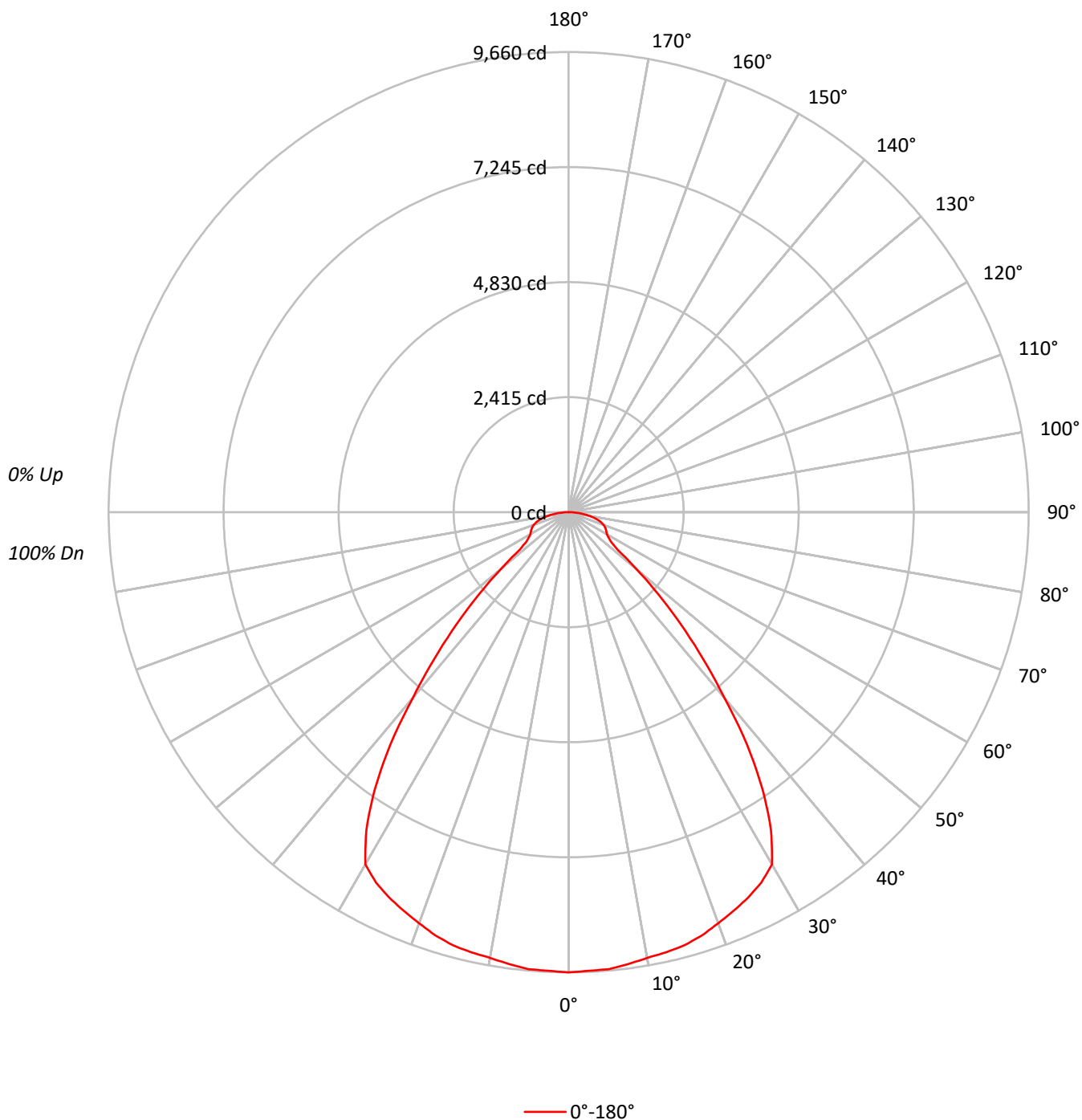
Lumens per Lamp: N/A
Luminaire Lumens: 17431.0 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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: P1504554

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L18_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504554

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_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	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°	79356
5°	79404
10°	79243
15°	80024
20°	80275
25°	80875
30°	81009
35°	71162
40°	54610
45°	38660
50°	23632
55°	15632
60°	15239
65°	16782
70°	18770
75°	20392
80°	20786
85°	19811

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38660 cd/sqm

TEST NUMBER: P1504554

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	914.5	5.2
10°-20°	2654.9	15.2
20°-30°	4111.5	23.6
30°-40°	4350.8	25.0
40°-50°	2584.5	14.8
50°-60°	1062.9	6.1
60°-70°	853.4	4.9
70°-80°	665.5	3.8
80°-90°	233.0	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°	7680.8	44.1
0°-40°	12031.6	69.0
0°-60°	15679.1	89.9
0°-90°	17431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17431.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9660	
5°	9630	914
15°	9410	2655
25°	8923	4111
35°	7096	4351
45°	3328	2585
55°	1092	1063
65°	863	853
75°	642	666
85°	210	233
90°	0	

TEST NUMBER: P1504554

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	9660.5
2.5°	9635.6
5°	9629.6
7.5°	9567.9
10°	9500.2
12.5°	9462.2
15°	9409.9
17.5°	9312.5
20°	9183.1
22.5°	9057.2
25°	8923.0
27.5°	8761.5
30°	8540.5
32.5°	7908.7
35°	7096.3
37.5°	6152.1
40°	5092.7
42.5°	4168.7
45°	3327.9
47.5°	2558.2
50°	1849.2
52.5°	1295.8
55°	1091.5
57.5°	994.1
60°	927.6
62.5°	895.5
65°	863.4
67.5°	829.0
70°	781.5
72.5°	718.5
75°	642.5
77.5°	549.9
80°	439.4
82.5°	324.2
85°	210.2
87.5°	102.1
90°	0.0

(END OF REPORT)