

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: P1504528

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504528
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-47)
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_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

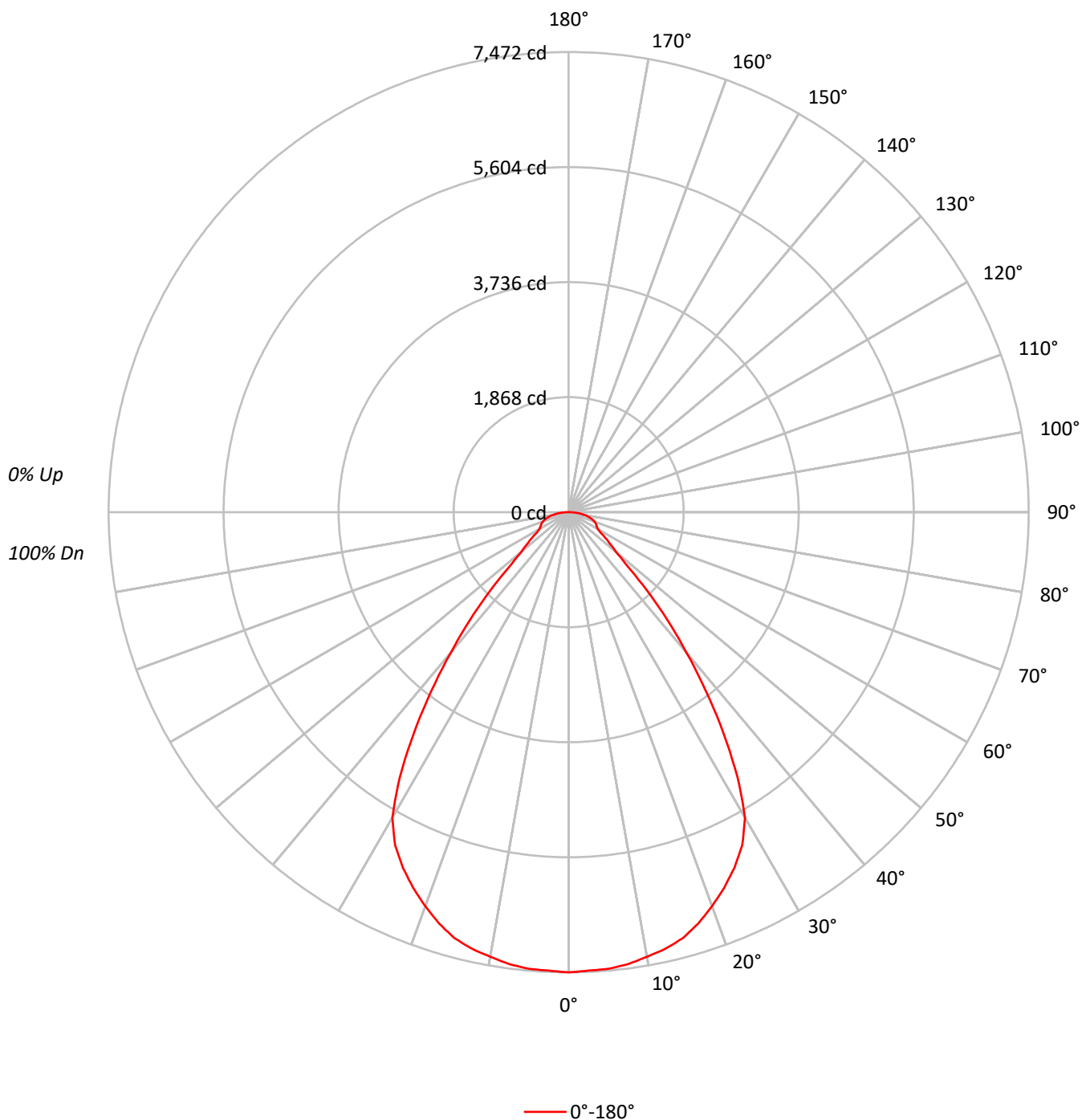
Lumens per Lamp: N/A
Luminaire Lumens: 11449.7 lumens
Efficiency: N/A
Efficacy: 138.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1504528

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L12_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504528

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L12_Medium_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	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	88	101	96	91	87	92	88	85	89	86	83	86	83	81	79		
3	97	89	82	77	95	87	81	76	84	79	75	82	77	74	79	76	73	71		
4	91	81	74	69	89	80	73	68	77	72	67	75	70	67	73	69	66	64		
5	85	74	67	62	83	73	67	61	71	65	61	70	64	60	68	63	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61376
5°	61363
10°	61146
15°	60893
20°	59510
25°	57726
30°	54328
35°	43948
40°	31935
45°	20854
50°	12901
55°	10393
60°	8952
65°	9629
70°	10731
75°	11607
80°	12351
85°	12611

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20854 cd/sqm

TEST NUMBER: P1504528

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L12_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.8	6.2
10°-20°	2011.7	17.6
20°-30°	2917.6	25.5
30°-40°	2714.9	23.7
40°-50°	1419.8	12.4
50°-60°	661.1	5.8
60°-70°	491.9	4.3
70°-80°	381.5	3.3
80°-90°	144.3	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°	5636.1	49.2
0°-40°	8351.0	72.9
0°-60°	10431.9	91.1
0°-90°	11449.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11449.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7472	
5°	7442	707
15°	7160	2012
25°	6369	2918
35°	4382	2715
45°	1795	1420
55°	726	661
65°	495	492
75°	366	382
85°	134	144
90°	0	

TEST NUMBER: P1504528

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3000K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7471.7
2.5°	7451.4
5°	7441.7
7.5°	7401.1
10°	7330.6
12.5°	7260.8
15°	7160.3
17.5°	7002.2
20°	6807.6
22.5°	6600.0
25°	6369.0
27.5°	6099.8
30°	5727.6
32.5°	5103.3
35°	4382.5
37.5°	3666.5
40°	2978.1
42.5°	2376.5
45°	1795.1
47.5°	1280.3
50°	1009.5
52.5°	849.7
55°	725.7
57.5°	613.0
60°	544.9
62.5°	518.1
65°	495.4
67.5°	475.1
70°	446.8
72.5°	409.5
75°	365.7
77.5°	316.2
80°	261.1
82.5°	199.5
85°	133.8
87.5°	66.5
90°	0.0

(END OF REPORT)