

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: P1504537

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504537
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 (3500K_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

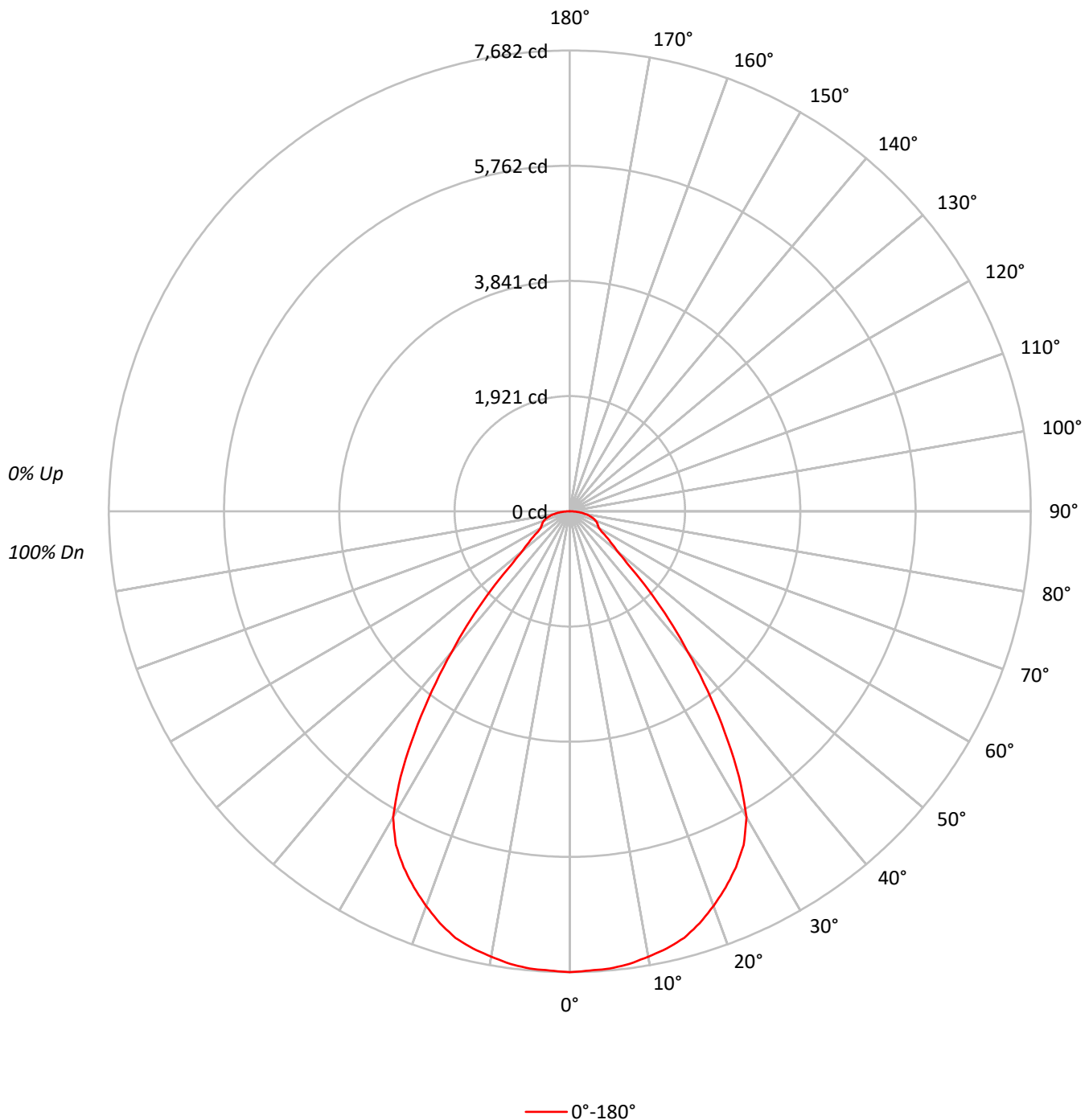
Lumens per Lamp: N/A
Luminaire Lumens: 11772.8 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1504537

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3500K_L12_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504537

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3500K_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°	63108
5°	63095
10°	62872
15°	62612
20°	61189
25°	59355
30°	55861
35°	45187
40°	32837
45°	21443
50°	13265
55°	10687
60°	9203
65°	9901
70°	11034
75°	11934
80°	12701
85°	12969

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21443 cd/sqm

TEST NUMBER: P1504537

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3500K_L12_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	726.7	6.2
10°-20°	2068.4	17.6
20°-30°	3000.0	25.5
30°-40°	2791.5	23.7
40°-50°	1459.9	12.4
50°-60°	679.8	5.8
60°-70°	505.7	4.3
70°-80°	392.3	3.3
80°-90°	148.4	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°	5795.1	49.2
0°-40°	8586.7	72.9
0°-60°	10726.3	91.1
0°-90°	11772.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11772.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7682	
5°	7652	727
15°	7362	2068
25°	6549	3000
35°	4506	2792
45°	1846	1460
55°	746	680
65°	509	506
75°	376	392
85°	138	148
90°	0	

TEST NUMBER: P1504537

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3500K_L12_Medium_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	7682.5
2.5°	7661.7
5°	7651.7
7.5°	7610.0
10°	7537.5
12.5°	7465.8
15°	7362.4
17.5°	7199.8
20°	6999.7
22.5°	6786.3
25°	6548.7
27.5°	6271.9
30°	5889.2
32.5°	5247.3
35°	4506.1
37.5°	3770.0
40°	3062.2
42.5°	2443.6
45°	1845.8
47.5°	1316.4
50°	1038.0
52.5°	873.7
55°	746.2
57.5°	630.3
60°	560.2
62.5°	532.7
65°	509.4
67.5°	488.5
70°	459.4
72.5°	421.0
75°	376.0
77.5°	325.1
80°	268.5
82.5°	205.1
85°	137.6
87.5°	68.4
90°	0.0

(END OF REPORT)