

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: P1504558

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (5000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504558
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 (5000K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

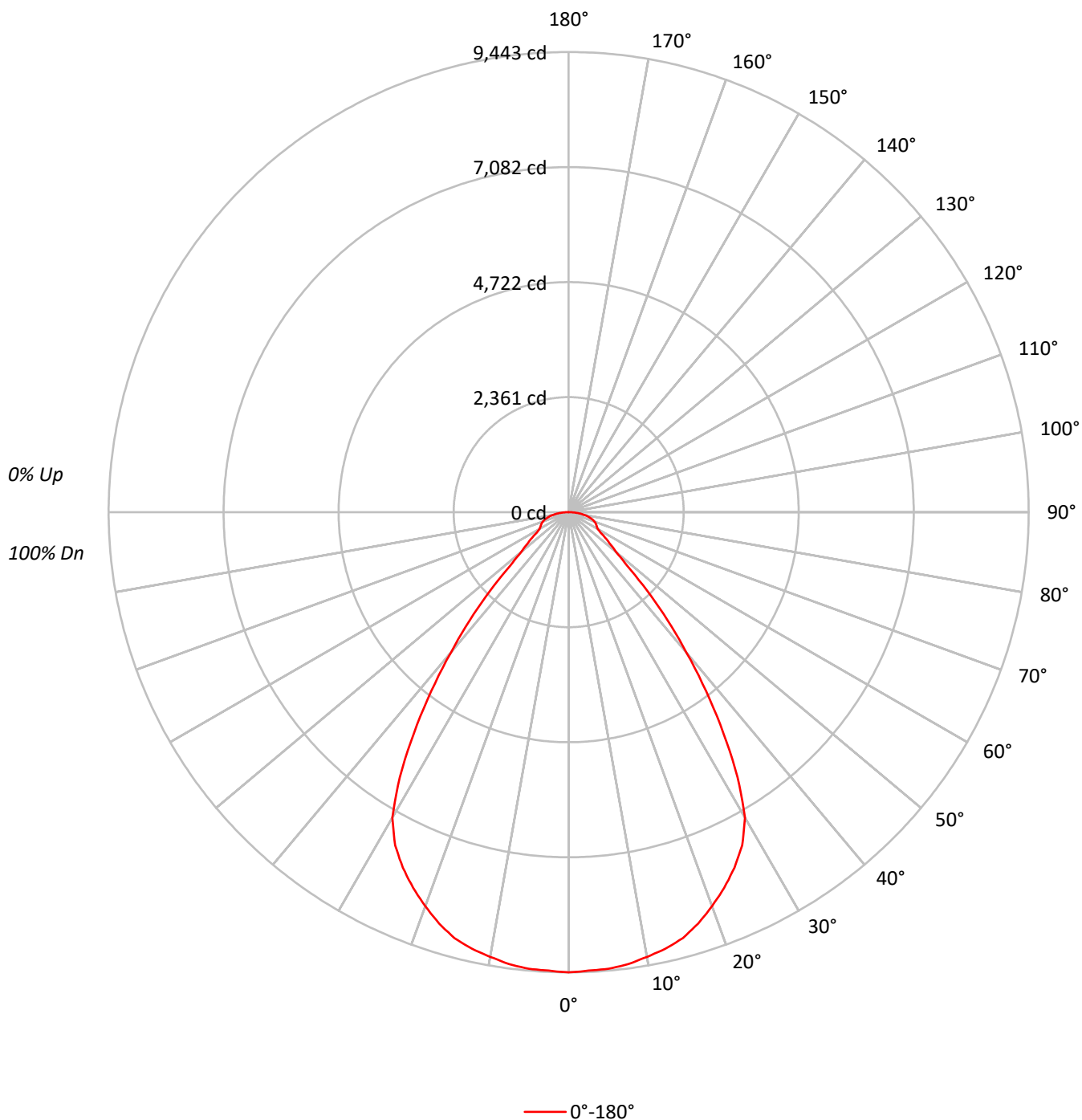
Lumens per Lamp: N/A
Luminaire Lumens: 14470.8 lumens
Efficiency: N/A
Efficacy: 144.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 100.1
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

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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	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°	77571
5°	77555
10°	77280
15°	76961
20°	75212
25°	72958
30°	68663
35°	55543
40°	40361
45°	26357
50°	16304
55°	13136
60°	11313
65°	12170
70°	13560
75°	14669
80°	15611
85°	15938

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26357 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	893.3	6.2
10°-20°	2542.5	17.6
20°-30°	3687.5	25.5
30°-40°	3431.3	23.7
40°-50°	1794.4	12.4
50°-60°	835.6	5.8
60°-70°	621.6	4.3
70°-80°	482.2	3.3
80°-90°	182.4	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°	7123.3	49.2
0°-40°	10554.5	72.9
0°-60°	13184.5	91.1
0°-90°	14470.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14470.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9443	
5°	9405	893
15°	9050	2542
25°	8050	3688
35°	5539	3431
45°	2269	1794
55°	917	836
65°	626	622
75°	462	482
85°	169	182
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9443.2
2.5°	9417.6
5°	9405.3
7.5°	9354.0
10°	9264.9
12.5°	9176.7
15°	9049.7
17.5°	8849.8
20°	8603.9
22.5°	8341.6
25°	8049.5
27.5°	7709.3
30°	7238.9
32.5°	6449.8
35°	5538.8
37.5°	4634.0
40°	3763.9
42.5°	3003.6
45°	2268.8
47.5°	1618.1
50°	1275.8
52.5°	1074.0
55°	917.2
57.5°	774.7
60°	688.6
62.5°	654.8
65°	626.1
67.5°	600.5
70°	564.6
72.5°	517.5
75°	462.2
77.5°	399.7
80°	330.0
82.5°	252.1
85°	169.1
87.5°	84.0
90°	0.0

(END OF REPORT)