

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: P1504552

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504552
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 (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

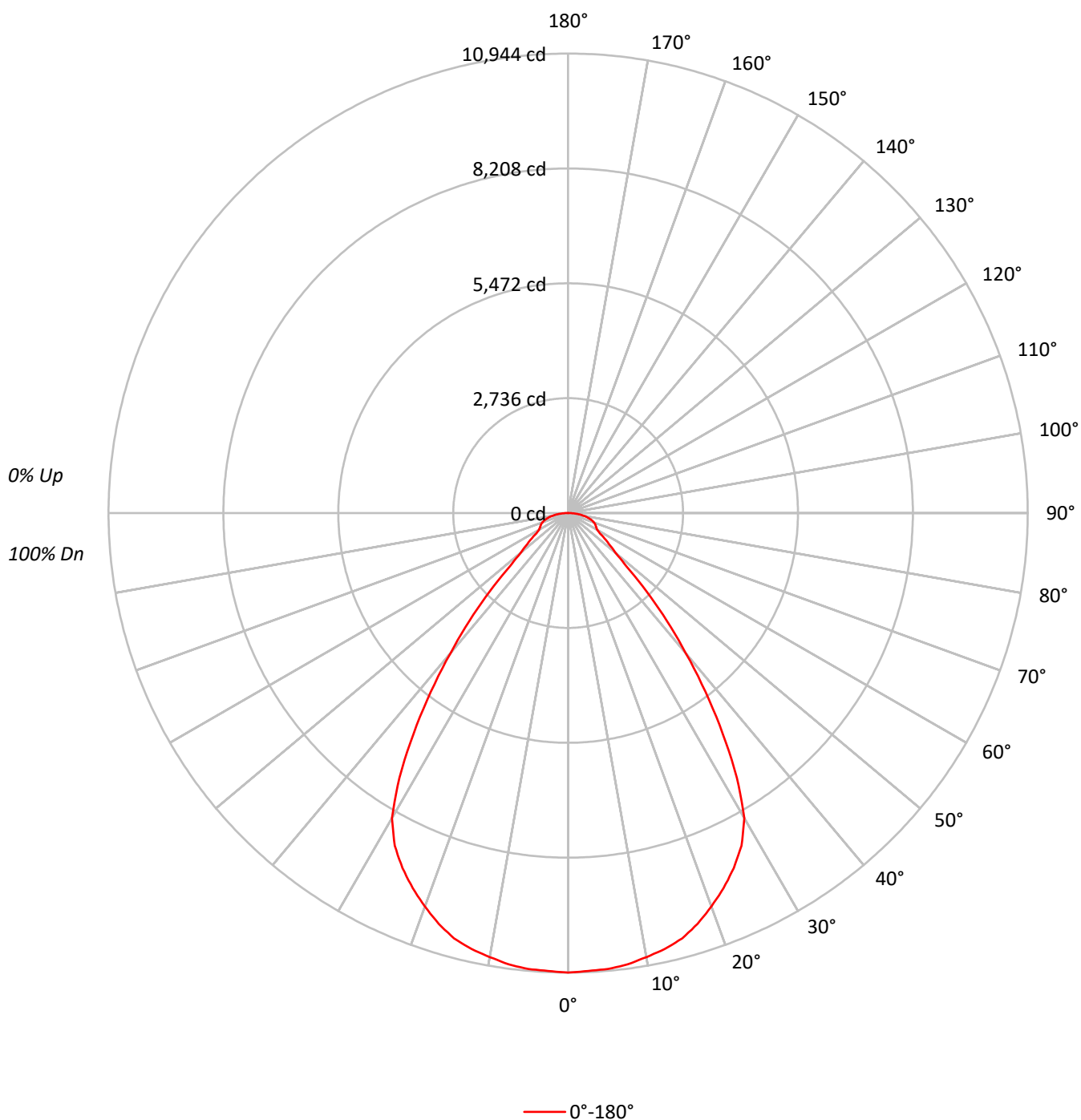
Lumens per Lamp: N/A
Luminaire Lumens: 16771.3 lumens
Efficiency: N/A
Efficacy: 140.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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°	89902
5°	89884
10°	89565
15°	89195
20°	87169
25°	84557
30°	79578
35°	64374
40°	46778
45°	30547
50°	18897
55°	15224
60°	13112
65°	14105
70°	15717
75°	16999
80°	18090
85°	18473

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30547 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1035.3	6.2
10°-20°	2946.6	17.6
20°-30°	4273.7	25.5
30°-40°	3976.8	23.7
40°-50°	2079.7	12.4
50°-60°	968.4	5.8
60°-70°	720.5	4.3
70°-80°	558.9	3.3
80°-90°	211.4	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°	8255.7	49.2
0°-40°	12232.5	72.9
0°-60°	15280.6	91.1
0°-90°	16771.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16771.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10944	
5°	10900	###
15°	10488	2947
25°	9329	4274
35°	6419	3977
45°	2630	2080
55°	1063	968
65°	726	720
75°	536	559
85°	196	211
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10944.4
2.5°	10914.7
5°	10900.5
7.5°	10841.1
10°	10737.7
12.5°	10635.6
15°	10488.3
17.5°	10256.7
20°	9971.7
22.5°	9667.6
25°	9329.2
27.5°	8934.9
30°	8389.7
32.5°	7475.2
35°	6419.4
37.5°	5370.7
40°	4362.3
42.5°	3481.1
45°	2629.5
47.5°	1875.3
50°	1478.7
52.5°	1244.7
55°	1063.0
57.5°	897.9
60°	798.1
62.5°	758.9
65°	725.7
67.5°	696.0
70°	654.4
72.5°	599.8
75°	535.6
77.5°	463.2
80°	382.4
82.5°	292.2
85°	196.0
87.5°	97.4
90°	0.0

(END OF REPORT)