

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: P1504564

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504564
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 (6500K_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

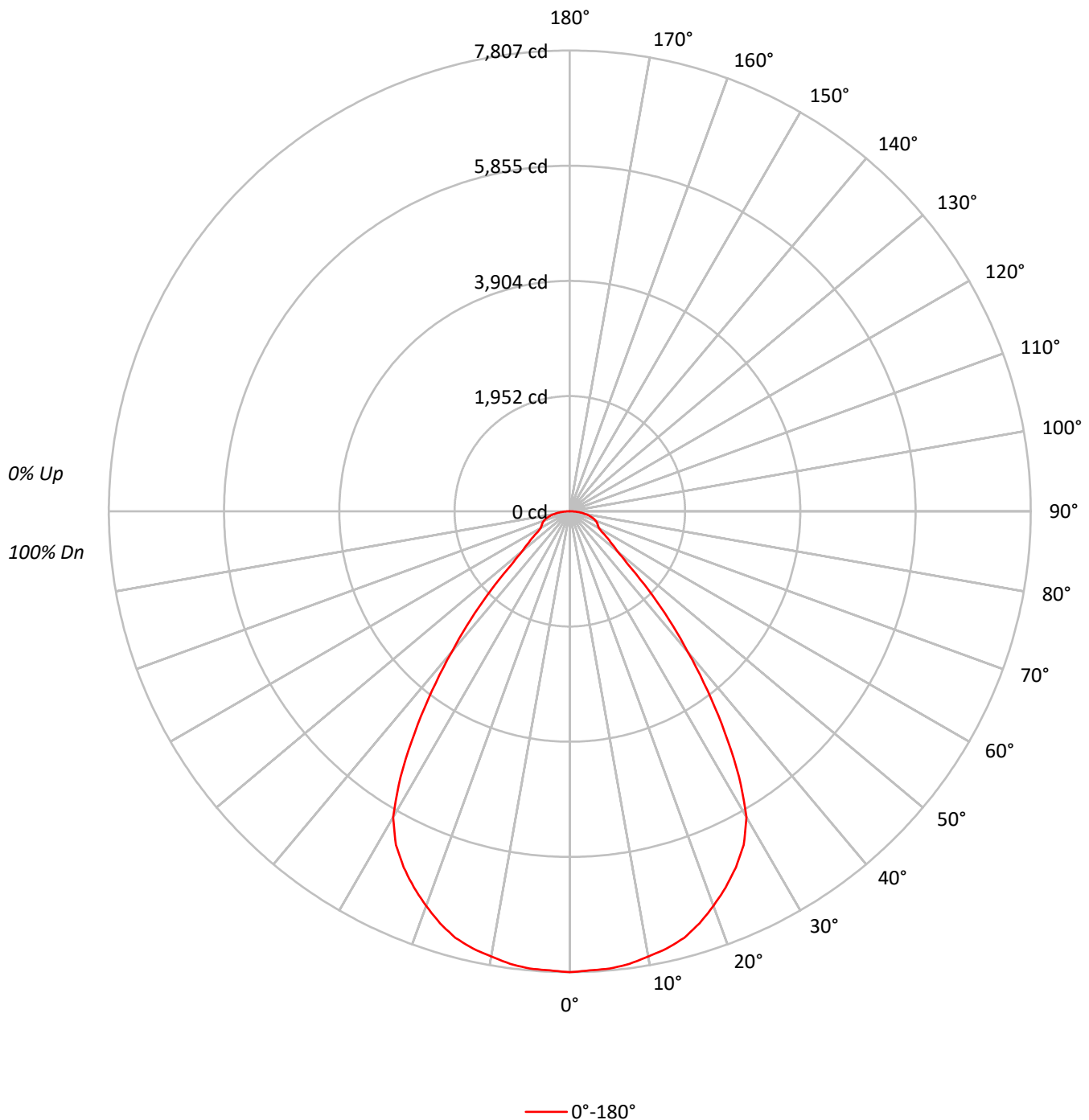
Lumens per Lamp: N/A
Luminaire Lumens: 11963.5 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.08
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 83
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					0
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°	64130
5°	64117
10°	63890
15°	63626
20°	62181
25°	60317
30°	56766
35°	45920
40°	33369
45°	21790
50°	13480
55°	10860
60°	9353
65°	10061
70°	11211
75°	12127
80°	12905
85°	13176

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21790 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	738.5	6.2
10°-20°	2101.9	17.6
20°-30°	3048.6	25.5
30°-40°	2836.8	23.7
40°-50°	1483.5	12.4
50°-60°	690.8	5.8
60°-70°	513.9	4.3
70°-80°	398.6	3.3
80°-90°	150.8	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°	5889.1	49.2
0°-40°	8725.8	72.9
0°-60°	10900.2	91.1
0°-90°	11963.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11963.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7807	
5°	7776	739
15°	7482	2102
25°	6655	3049
35°	4579	2837
45°	1876	1484
55°	758	691
65°	518	514
75°	382	399
85°	140	151
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7807.0
2.5°	7785.8
5°	7775.7
7.5°	7733.3
10°	7659.6
12.5°	7586.7
15°	7481.7
17.5°	7316.5
20°	7113.2
22.5°	6896.3
25°	6654.8
27.5°	6373.5
30°	5984.7
32.5°	5332.3
35°	4579.2
37.5°	3831.1
40°	3111.8
42.5°	2483.2
45°	1875.7
47.5°	1337.7
50°	1054.8
52.5°	887.9
55°	758.3
57.5°	640.5
60°	569.3
62.5°	541.4
65°	517.6
67.5°	496.5
70°	466.8
72.5°	427.8
75°	382.1
77.5°	330.4
80°	272.8
82.5°	208.4
85°	139.8
87.5°	69.5
90°	0.0

(END OF REPORT)