

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: P1504925

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (6500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504925
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-58)
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-B-06-WHGL-PS (6500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

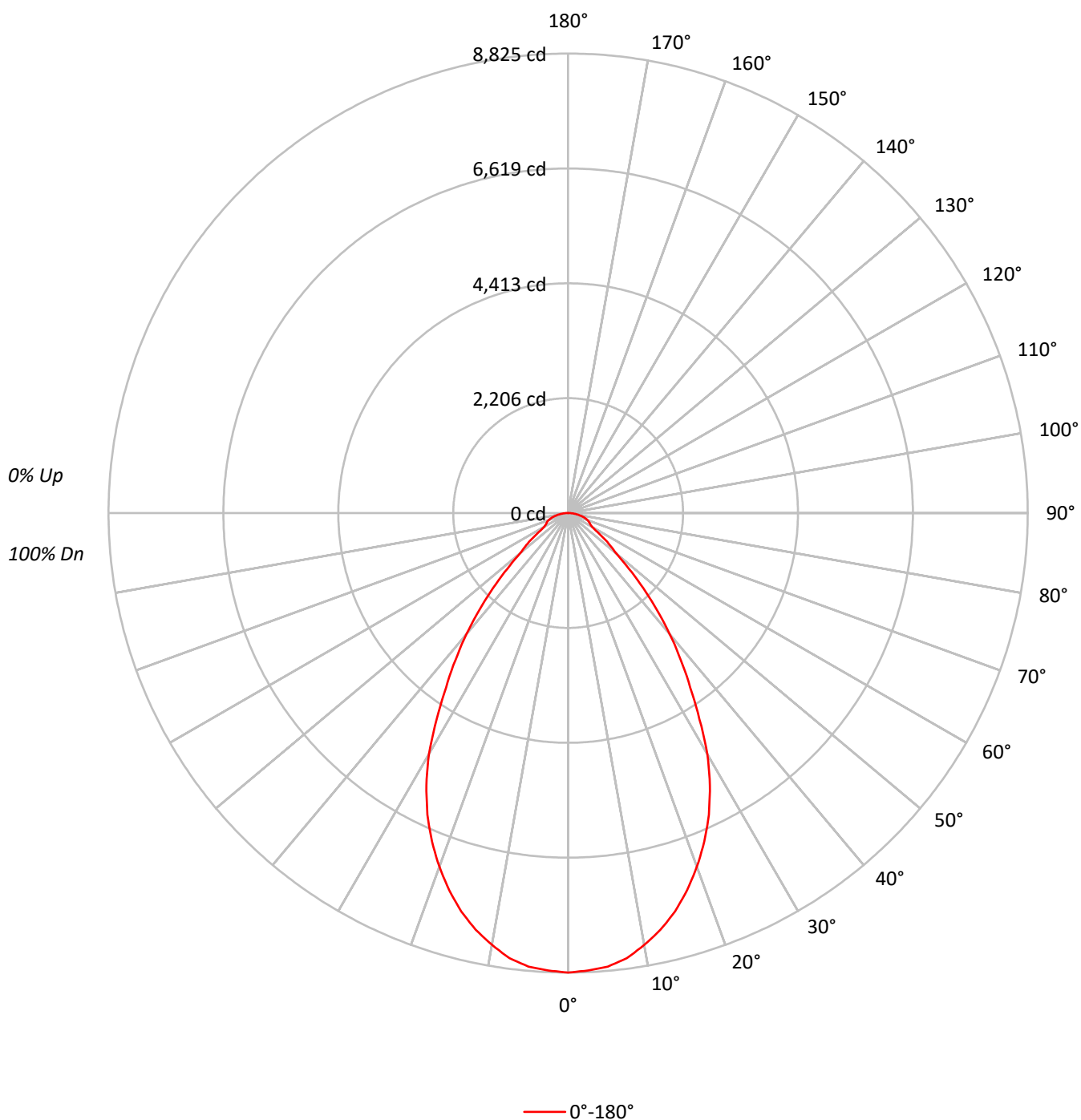
Lumens per Lamp: N/A
Luminaire Lumens: 11731.0 lumens
Efficiency: N/A
Efficacy: 141.3 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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				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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54		
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49		
8	71	60	53	48	70	59	53	48	58	52	48	57	51	47	56	51	47	46		
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	44	42		
10	64	52	46	41	62	52	45	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71570
5°	71174
10°	69359
15°	66505
20°	62381
25°	57188
30°	50099
35°	40477
40°	32134
45°	23367
50°	15124
55°	11475
60°	8629
65°	8762
70°	9442
75°	9663
80°	9574
85°	9379

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23367 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	824.4	7.0
10°-20°	2217.7	18.9
20°-30°	2914.2	24.8
30°-40°	2567.7	21.9
40°-50°	1578.8	13.5
50°-60°	739.5	6.3
60°-70°	455.8	3.9
70°-80°	322.8	2.8
80°-90°	110.2	0.9
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°	5956.2	50.8
0°-40°	8523.9	72.7
0°-60°	10842.2	92.4
0°-90°	11731.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11731.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8825	
5°	8743	824
15°	7921	2218
25°	6391	2914
35°	4089	2568
45°	2038	1579
55°	812	740
65°	457	456
75°	308	323
85°	101	110
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8825.4
2.5°	8792.3
5°	8743.2
7.5°	8621.2
10°	8422.9
12.5°	8195.9
15°	7921.4
17.5°	7594.4
20°	7228.4
22.5°	6829.3
25°	6391.3
27.5°	5893.2
30°	5350.1
32.5°	4695.2
35°	4088.6
37.5°	3552.3
40°	3035.5
42.5°	2521.3
45°	2037.5
47.5°	1580.0
50°	1198.8
52.5°	1012.4
55°	811.6
57.5°	634.6
60°	532.0
62.5°	486.3
65°	456.6
67.5°	432.1
70°	398.2
72.5°	356.7
75°	308.4
77.5°	256.7
80°	205.0
82.5°	152.5
85°	100.8
87.5°	49.1
90°	0.0

(END OF REPORT)