

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: P1504349

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504349
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-22)
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-04-WHGL-PS (3000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

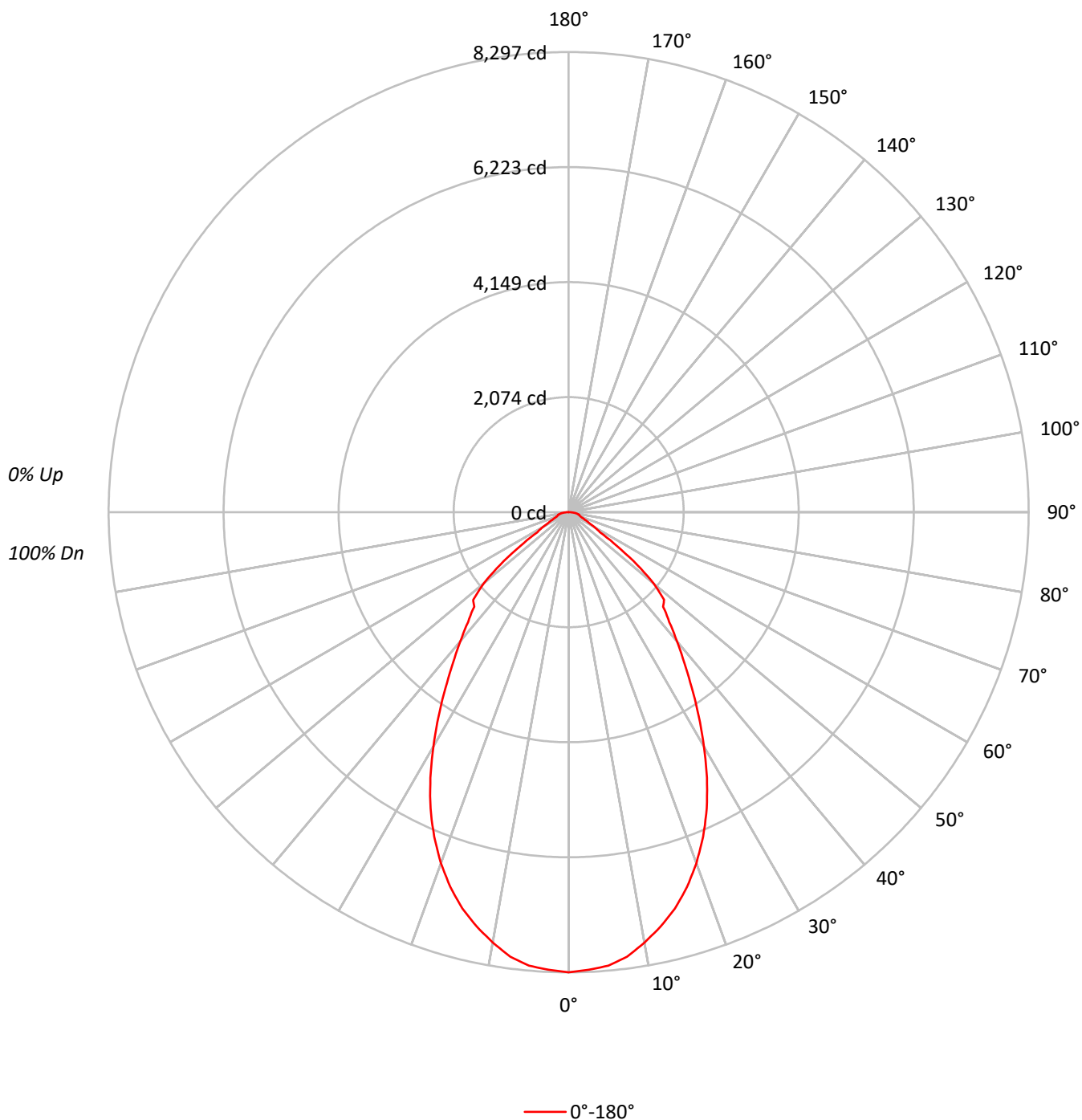
Lumens per Lamp: N/A
Luminaire Lumens: 11525.6 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	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	47	43	53	47	43	52	47	43	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75776
5°	75234
10°	73050
15°	69963
20°	65438
25°	59392
30°	51475
35°	43147
40°	36183
45°	31135
50°	28398
55°	16977
60°	9716
65°	7043
70°	6150
75°	6951
80°	8147
85°	8917

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 31567 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	772.9	6.7
10°-20°	2070.4	18.0
20°-30°	2686.6	23.3
30°-40°	2430.3	21.1
40°-50°	1916.8	16.6
50°-60°	1010.0	8.8
60°-70°	343.1	3.0
70°-80°	205.9	1.8
80°-90°	89.5	0.8
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°	5529.9	48.0
0°-40°	7960.2	69.1
0°-60°	10887.0	94.5
0°-90°	11525.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11525.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8297	
5°	8206	773
15°	7400	2070
25°	5894	2687
35°	3870	2430
45°	2411	1917
55°	1066	1010
65°	326	343
75°	197	206
85°	85	89
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8297.1
2.5°	8257.3
5°	8206.3
7.5°	8081.4
10°	7877.1
12.5°	7654.9
15°	7399.5
17.5°	7088.1
20°	6733.0
22.5°	6334.9
25°	5893.8
27.5°	5399.2
30°	4881.1
32.5°	4367.0
35°	3870.0
37.5°	3424.9
40°	3034.9
42.5°	2687.0
45°	2410.6
47.5°	2335.1
50°	1998.7
52.5°	1564.1
55°	1066.2
57.5°	668.9
60°	531.9
62.5°	417.6
65°	325.9
67.5°	265.9
70°	230.3
72.5°	210.0
75°	197.0
77.5°	180.0
80°	154.9
82.5°	123.2
85°	85.1
87.5°	43.0
90°	0.0

(END OF REPORT)