

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: P1504368

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504368
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-24)
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 (4000K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

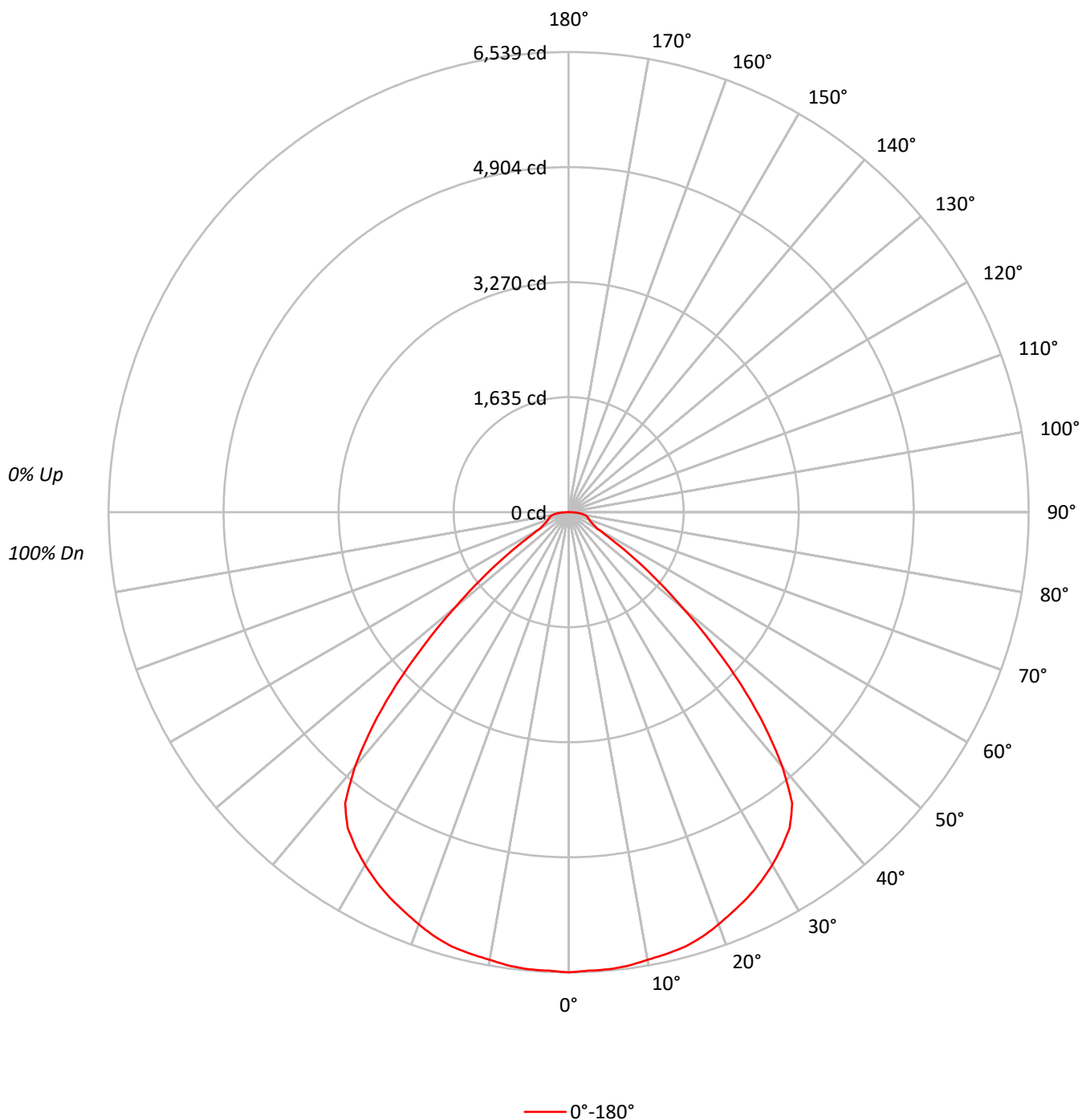
Lumens per Lamp: N/A
Luminaire Lumens: 13067.8 lumens
Efficiency: N/A
Efficacy: 161.9 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 80.7
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102			100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91			89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80			79
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71			70
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64			62
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57			55
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51			50
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47			45
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42			41
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39			37
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35			34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59720
5°	59778
10°	59905
15°	60445
20°	60572
25°	60803
30°	61039
35°	61055
40°	56344
45°	44694
50°	29950
55°	17636
60°	8627
65°	7905
70°	8323
75°	9926
80°	12218
85°	14964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	620.5	4.7
10°-20°	1803.3	13.8
20°-30°	2782.5	21.3
30°-40°	3379.4	25.9
40°-50°	2638.2	20.2
50°-60°	1036.1	7.9
60°-70°	370.7	2.8
70°-80°	293.3	2.2
80°-90°	143.8	1.1
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°	5206.3	39.8
0°-40°	8585.7	65.7
0°-60°	12260.0	93.8
0°-90°	13067.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13067.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6539	
5°	6520	620
15°	6393	1803
25°	6034	2783
35°	5476	3379
45°	3460	2638
55°	1108	1036
65°	366	371
75°	281	293
85°	143	144
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6539.0
2.5°	6521.3
5°	6520.4
7.5°	6500.1
10°	6459.6
12.5°	6428.3
15°	6392.9
17.5°	6324.4
20°	6232.3
22.5°	6132.6
25°	6033.8
27.5°	5920.6
30°	5788.0
32.5°	5641.0
35°	5476.2
37.5°	5219.4
40°	4726.0
42.5°	4127.9
45°	3460.4
47.5°	2766.0
50°	2107.9
52.5°	1566.3
55°	1107.6
57.5°	719.0
60°	472.3
62.5°	410.6
65°	365.8
67.5°	329.5
70°	311.7
72.5°	294.8
75°	281.3
77.5°	261.9
80°	232.3
82.5°	195.2
85°	142.8
87.5°	74.3
90°	0.0

(END OF REPORT)