

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: P1504736

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504736
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-34)
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-04-WHGL-PS (5000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

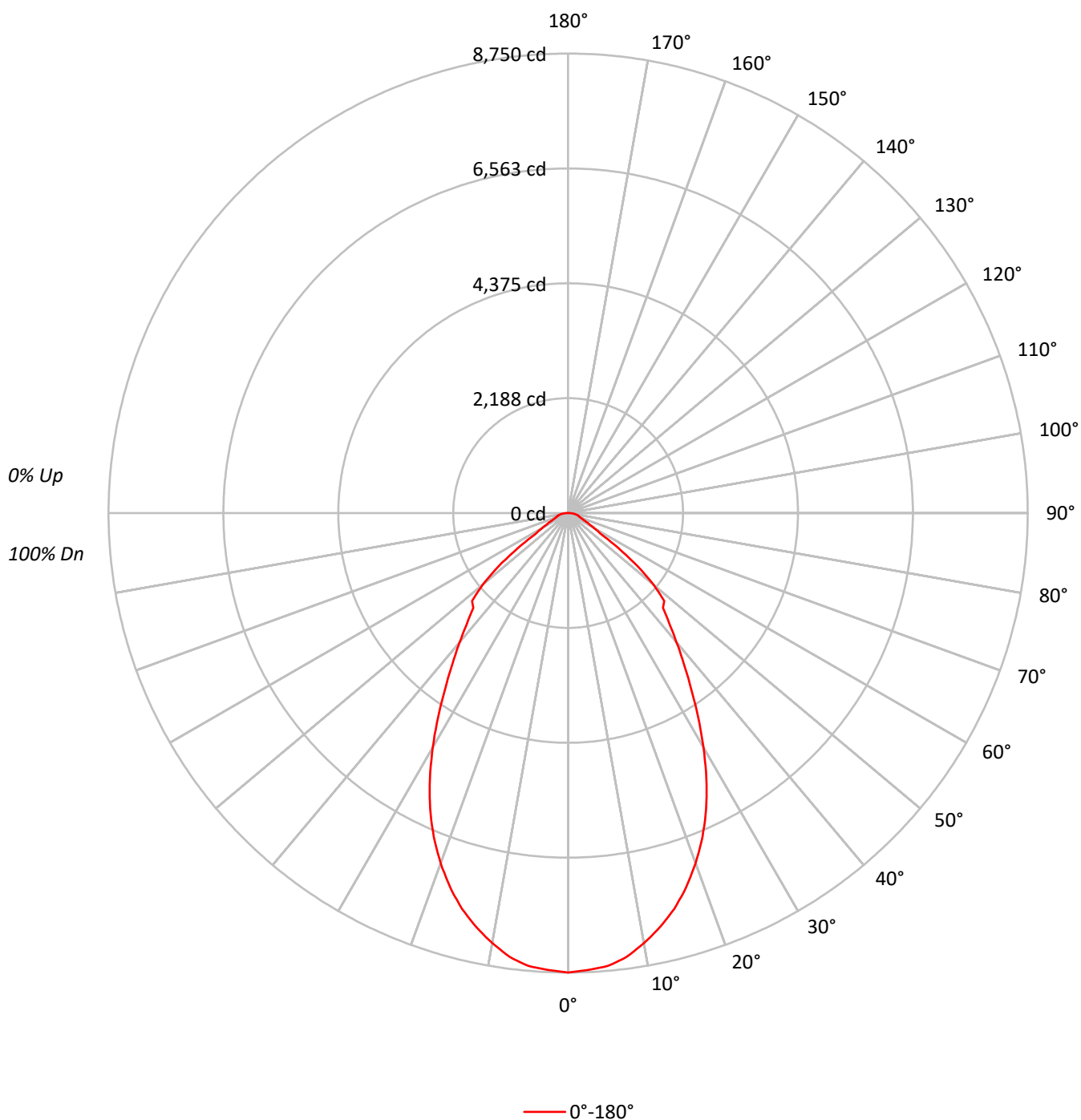
Lumens per Lamp: N/A
Luminaire Lumens: 12190.1 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 81.1
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	60	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	50	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	46	42	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	39	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75738
5°	75228
10°	73073
15°	69923
20°	65355
25°	59385
30°	51473
35°	43071
40°	36241
45°	31265
50°	28625
55°	17647
60°	9923
65°	7187
70°	6228
75°	6892
80°	7771
85°	8034

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 31796 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	815.5	6.7
10°-20°	2183.5	17.9
20°-30°	2834.1	23.2
30°-40°	2563.4	21.0
40°-50°	2032.3	16.7
50°-60°	1090.2	8.9
60°-70°	369.2	3.0
70°-80°	215.0	1.8
80°-90°	86.8	0.7
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°	5833.1	47.9
0°-40°	8396.5	68.9
0°-60°	11519.0	94.5
0°-90°	12190.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12190.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8750	
5°	8658	816
15°	7803	2184
25°	6218	2834
35°	4076	2563
45°	2554	2032
55°	1169	1090
65°	351	369
75°	206	215
85°	81	87
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8750.3
2.5°	8709.4
5°	8658.3
7.5°	8527.1
10°	8314.2
12.5°	8078.3
15°	7803.2
17.5°	7472.7
20°	7095.4
22.5°	6680.7
25°	6218.2
27.5°	5698.7
30°	5150.2
32.5°	4605.1
35°	4076.2
37.5°	3614.6
40°	3207.5
42.5°	2845.5
45°	2554.2
47.5°	2481.8
50°	2125.8
52.5°	1680.4
55°	1169.4
57.5°	726.5
60°	573.2
62.5°	450.5
65°	350.9
67.5°	285.3
70°	246.1
72.5°	222.3
75°	206.1
77.5°	184.8
80°	155.9
82.5°	120.1
85°	80.9
87.5°	40.0
90°	0.0

(END OF REPORT)