

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: P1504746

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (6500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504746
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-36)
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 (6500K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

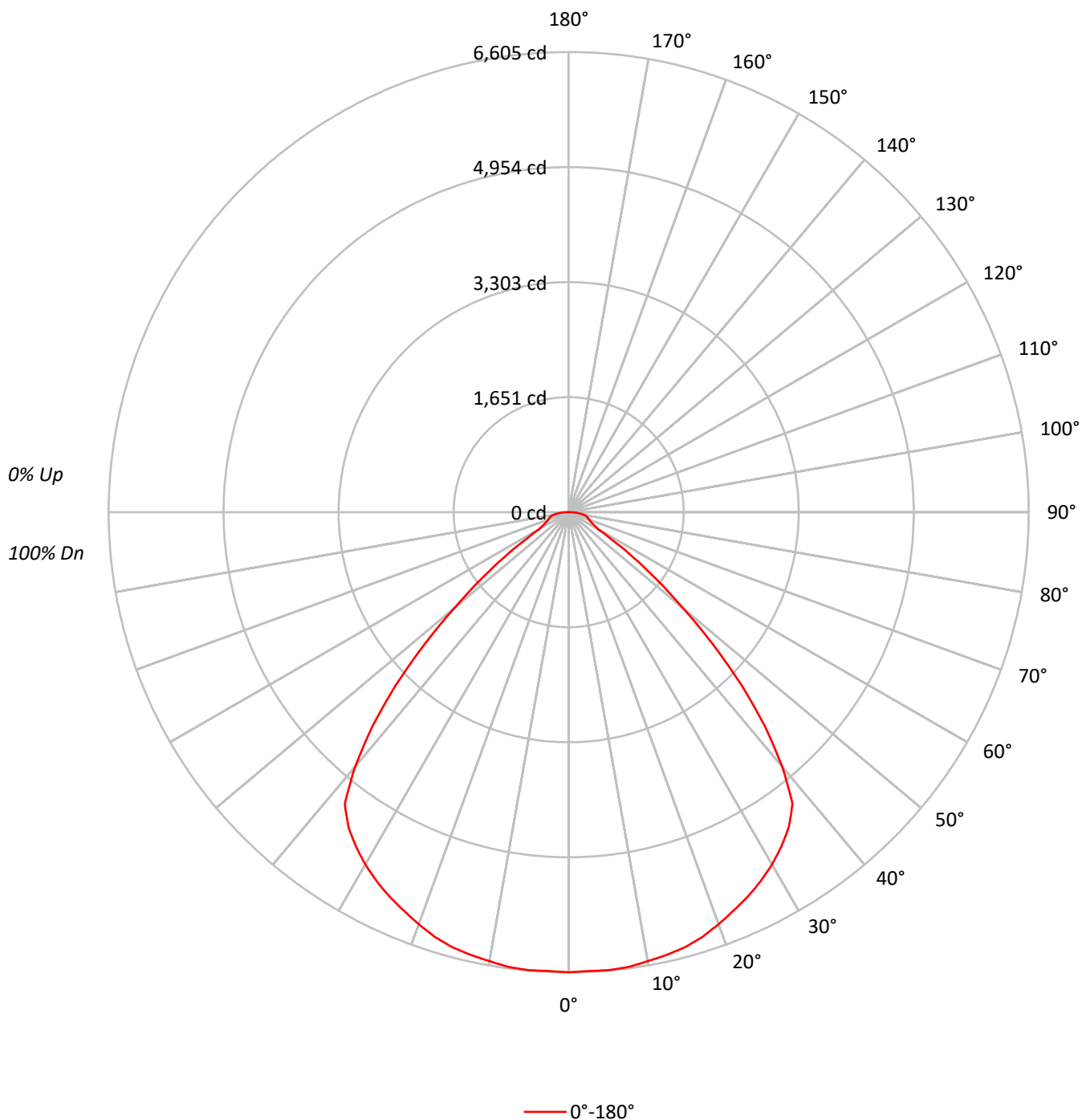
Lumens per Lamp: N/A
Luminaire Lumens: 13199.7 lumens
Efficiency: N/A
Efficacy: 159.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	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	72	70		
4	89	80	72	67	87	78	72	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	46	40	36	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57167
5°	57335
10°	57506
15°	57909
20°	57965
25°	58134
30°	58341
35°	58250
40°	53893
45°	42912
50°	28862
55°	17233
60°	8418
65°	7635
70°	7934
75°	9320
80°	11105
85°	12533

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42912 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.1	4.8
10°-20°	1823.3	13.8
20°-30°	2807.4	21.3
30°-40°	3408.8	25.8
40°-50°	2669.9	20.2
50°-60°	1063.0	8.1
60°-70°	378.0	2.9
70°-80°	290.2	2.2
80°-90°	131.1	1.0
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°	5258.8	39.8
0°-40°	8667.6	65.7
0°-60°	12400.5	93.9
0°-90°	13199.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13199.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6605	
5°	6599	628
15°	6462	1823
25°	6087	2807
35°	5513	3409
45°	3506	2670
55°	1142	1063
65°	373	378
75°	279	290
85°	126	131
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6604.8
2.5°	6592.1
5°	6598.9
7.5°	6583.6
10°	6543.0
12.5°	6507.4
15°	6462.5
17.5°	6390.5
20°	6293.1
22.5°	6188.8
25°	6087.2
27.5°	5972.0
30°	5837.3
32.5°	5685.6
35°	5512.8
37.5°	5278.1
40°	4769.8
42.5°	4170.8
45°	3505.7
47.5°	2802.6
50°	2143.4
52.5°	1600.4
55°	1142.0
57.5°	746.4
60°	486.3
62.5°	421.1
65°	372.8
67.5°	333.8
70°	313.5
72.5°	295.7
75°	278.7
77.5°	255.9
80°	222.8
82.5°	181.3
85°	126.2
87.5°	62.7
90°	0.0

(END OF REPORT)