

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: P1504740

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504740
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 (5000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

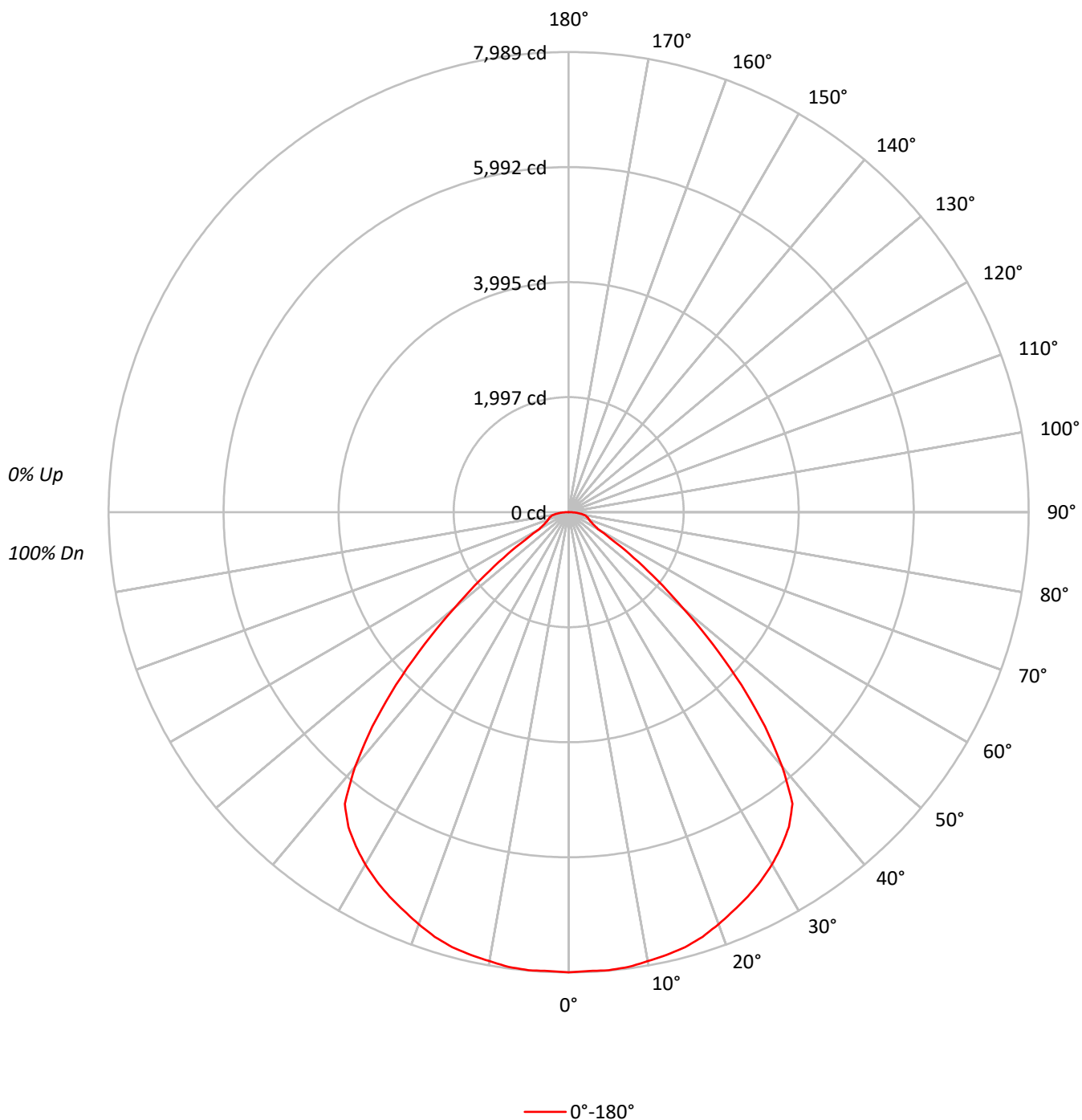
Lumens per Lamp: N/A
Luminaire Lumens: 15966.0 lumens
Efficiency: N/A
Efficacy: 159.5 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 100.1
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	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°	69148
5°	69351
10°	69558
15°	70045
20°	70113
25°	70317
30°	70567
35°	70457
40°	65188
45°	51906
50°	34911
55°	20846
60°	10182
65°	9235
70°	9596
75°	11273
80°	13433
85°	15165

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 51906 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.8	4.8
10°-20°	2205.4	13.8
20°-30°	3395.7	21.3
30°-40°	4123.1	25.8
40°-50°	3229.5	20.2
50°-60°	1285.8	8.1
60°-70°	457.2	2.9
70°-80°	351.0	2.2
80°-90°	158.5	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°	6360.9	39.8
0°-40°	10484.1	65.7
0°-60°	14999.3	93.9
0°-90°	15966.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15966.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7989	
5°	7982	760
15°	7817	2205
25°	7363	3396
35°	6668	4123
45°	4240	3229
55°	1381	1286
65°	451	457
75°	337	351
85°	153	159
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7989.0
2.5°	7973.7
5°	7981.9
7.5°	7963.4
10°	7914.2
12.5°	7871.2
15°	7816.9
17.5°	7729.8
20°	7611.9
22.5°	7485.9
25°	7362.9
27.5°	7223.5
30°	7060.6
32.5°	6877.2
35°	6668.1
37.5°	6384.3
40°	5769.4
42.5°	5044.9
45°	4240.5
47.5°	3389.9
50°	2592.6
52.5°	1935.8
55°	1381.4
57.5°	902.8
60°	588.2
62.5°	509.3
65°	450.9
67.5°	403.8
70°	379.2
72.5°	357.6
75°	337.1
77.5°	309.5
80°	269.5
82.5°	219.3
85°	152.7
87.5°	75.8
90°	0.0

(END OF REPORT)