

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: P1504542

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504542
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-48)
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-06-WHGL-PS (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

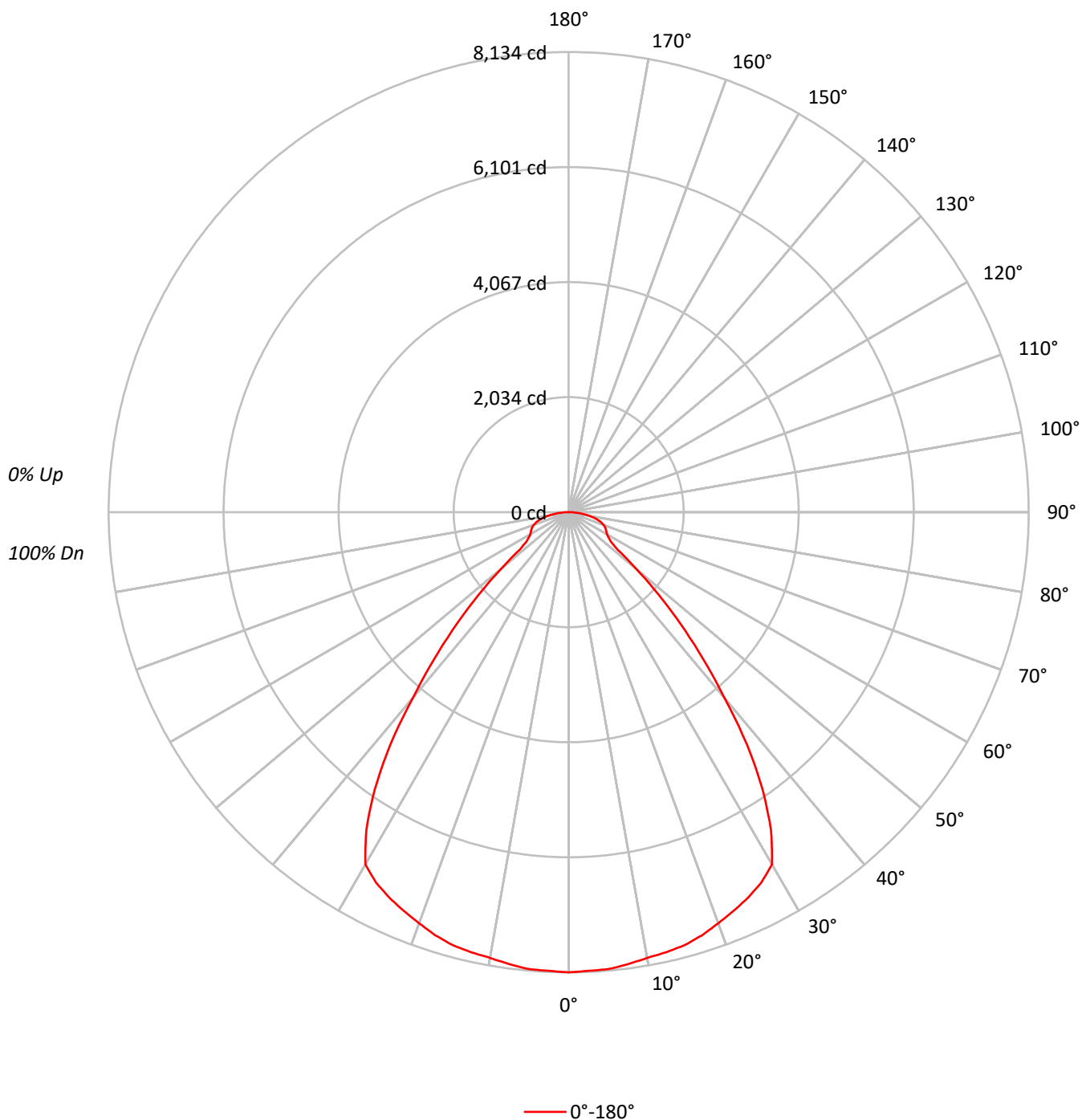
Lumens per Lamp: N/A
Luminaire Lumens: 14676.6 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.17
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 100.3
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				0
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	107	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	96	91	86	101	95	90	85	91	87	83	88	85	81	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	73	80	76	72	78	74	71	69			
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62			
5	83	73	65	59	82	72	64	59	70	63	59	68	62	58	66	61	57	56			
6	78	67	59	54	76	66	59	53	64	58	53	63	57	52	61	56	52	50			
7	73	61	54	49	72	61	53	48	59	53	48	58	52	48	57	51	47	46			
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42			
9	65	53	45	41	63	52	45	40	51	45	40	50	44	40	49	44	40	38			
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	66816
5°	66857
10°	66721
15°	67379
20°	67590
25°	68095
30°	68208
35°	59917
40°	45981
45°	32551
50°	19898
55°	13161
60°	12831
65°	14131
70°	15804
75°	17170
80°	17503
85°	16682

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32551 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	770.0	5.2
10°-20°	2235.4	15.2
20°-30°	3461.8	23.6
30°-40°	3663.3	25.0
40°-50°	2176.1	14.8
50°-60°	895.0	6.1
60°-70°	718.5	4.9
70°-80°	560.4	3.8
80°-90°	196.2	1.3
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°	6467.1	44.1
0°-40°	10130.4	69.0
0°-60°	13201.5	89.9
0°-90°	14676.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14676.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8134	
5°	8108	770
15°	7923	2235
25°	7513	3462
35°	5975	3663
45°	2802	2176
55°	919	895
65°	727	719
75°	541	560
85°	177	196
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8134
2.5°	8113
5°	8108
7.5°	8056
10°	7999
12.5°	7967
15°	7923
17.5°	7841
20°	7732
22.5°	7626
25°	7513
27.5°	7377
30°	7191
32.5°	6659
35°	5975
37.5°	5180
40°	4288
42.5°	3510
45°	2802
47.5°	2154
50°	1557
52.5°	1091
55°	919
57.5°	837
60°	781
62.5°	754
65°	727
67.5°	698
70°	658
72.5°	605
75°	541
77.5°	463
80°	370
82.5°	273
85°	177
87.5°	86
90°	0

(END OF REPORT)