

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: P1504911

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (4000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504911
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-60)
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-06-WHGL-PS (4000K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

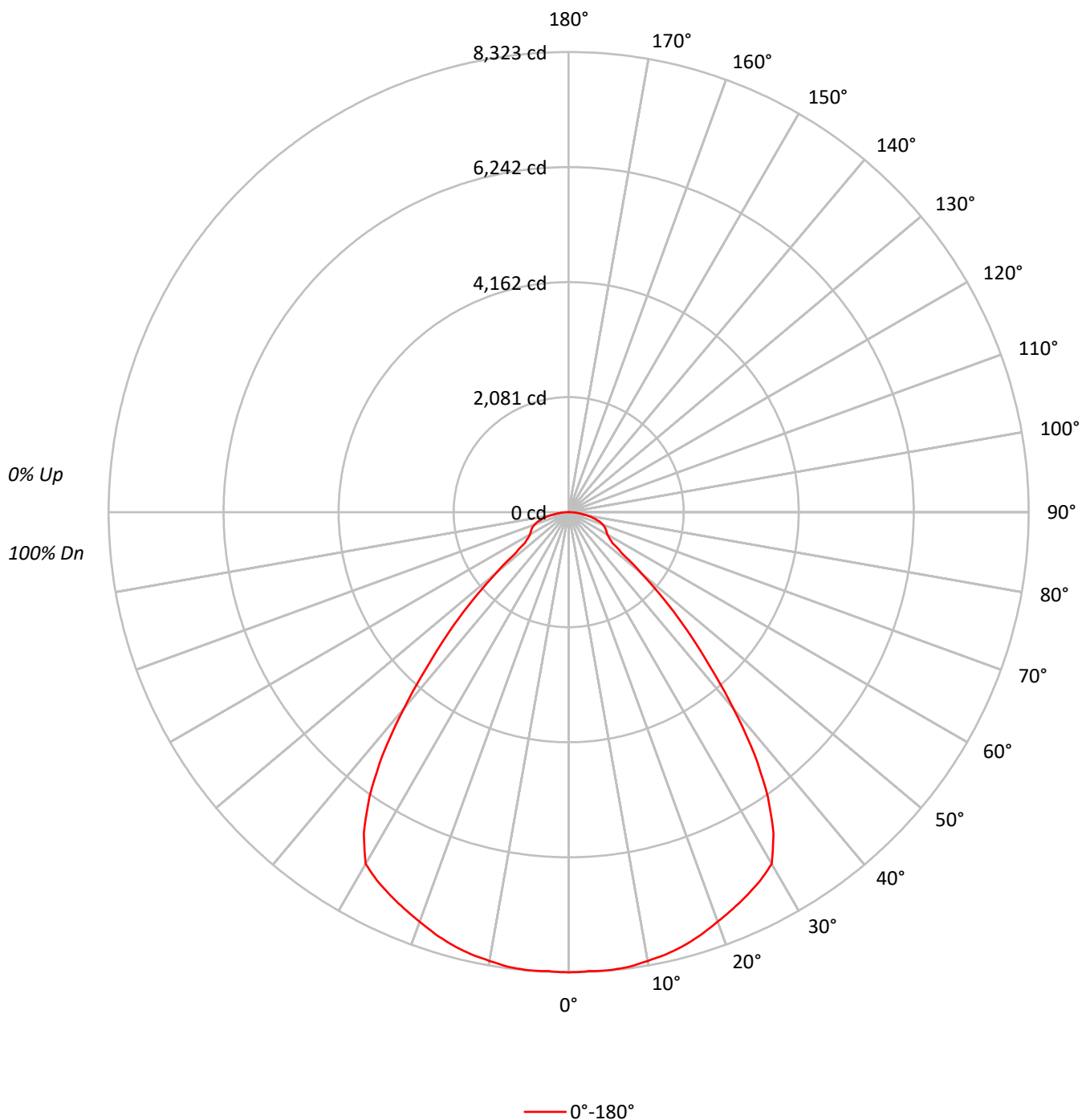
Lumens per Lamp: N/A
Luminaire Lumens: 15208.9 lumens
Efficiency: N/A
Efficacy: 152.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 99.5
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	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88			
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78			
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69			
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	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	62	57	52	61	56	52	50			
7	73	61	54	48	71	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	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38			
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	41	37	35			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67494
5°	67711
10°	67865
15°	68074
20°	68008
25°	68384
30°	68773
35°	62207
40°	49131
45°	34924
50°	21596
55°	13604
60°	13098
65°	14228
70°	15578
75°	16252
80°	15579
85°	14385

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34924 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	791.5	5.2
10°-20°	2288.2	15.0
20°-30°	3525.6	23.2
30°-40°	3845.5	25.3
40°-50°	2358.8	15.5
50°-60°	956.3	6.3
60°-70°	732.1	4.8
70°-80°	537.5	3.5
80°-90°	173.2	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°	6605.4	43.4
0°-40°	10450.9	68.7
0°-60°	13766.1	90.5
0°-90°	15208.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15208.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8323	
5°	8318	792
15°	8108	2288
25°	7642	3526
35°	6284	3846
45°	3045	2359
55°	962	956
65°	742	732
75°	519	538
85°	155	173
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8322.9
2.5°	8309.7
5°	8317.8
7.5°	8296.4
10°	8241.5
12.5°	8187.6
15°	8108.3
17.5°	8005.6
20°	7880.5
22.5°	7765.5
25°	7642.5
27.5°	7509.2
30°	7344.4
32.5°	6897.9
35°	6283.6
37.5°	5523.8
40°	4641.0
42.5°	3771.4
45°	3045.2
47.5°	2348.5
50°	1711.8
52.5°	1200.2
55°	962.2
57.5°	872.7
60°	807.6
62.5°	774.0
65°	741.5
67.5°	705.9
70°	657.0
72.5°	594.0
75°	518.7
77.5°	429.2
80°	333.6
82.5°	241.1
85°	154.6
87.5°	74.2
90°	0.0

(END OF REPORT)