

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: P1504920

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (5000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504920
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 (5000K_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

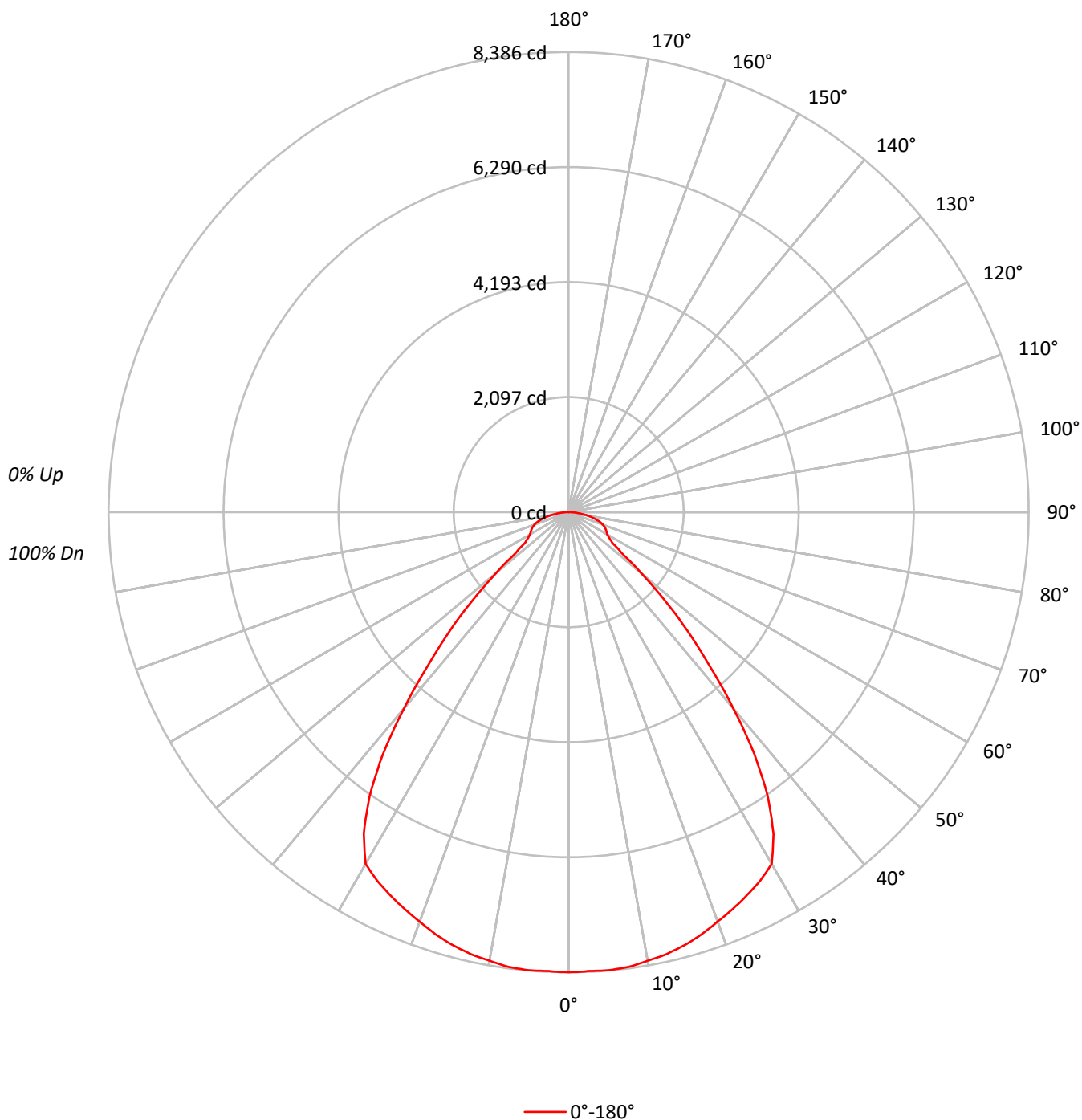
Lumens per Lamp: N/A
Luminaire Lumens: 15323.5 lumens
Efficiency: N/A
Efficacy: 153.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	68003
5°	68221
10°	68377
15°	68587
20°	68520
25°	68899
30°	69292
35°	62676
40°	49501
45°	35187
50°	21759
55°	13706
60°	13197
65°	14336
70°	15696
75°	16374
80°	15696
85°	14497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 35187 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	797.5	5.2
10°-20°	2305.4	15.0
20°-30°	3552.2	23.2
30°-40°	3874.6	25.3
40°-50°	2376.6	15.5
50°-60°	963.5	6.3
60°-70°	737.6	4.8
70°-80°	541.6	3.5
80°-90°	174.6	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°	6655.2	43.4
0°-40°	10529.7	68.7
0°-60°	13869.8	90.5
0°-90°	15323.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15323.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8386	
5°	8380	798
15°	8169	2305
25°	7700	3552
35°	6331	3875
45°	3068	2377
55°	969	963
65°	747	738
75°	523	542
85°	156	175
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8385.6
2.5°	8372.3
5°	8380.5
7.5°	8359.0
10°	8303.6
12.5°	8249.3
15°	8169.4
17.5°	8065.9
20°	7939.8
22.5°	7824.1
25°	7700.1
27.5°	7565.8
30°	7399.8
32.5°	6949.9
35°	6331.0
37.5°	5565.5
40°	4676.0
42.5°	3799.8
45°	3068.1
47.5°	2366.2
50°	1724.7
52.5°	1209.2
55°	969.4
57.5°	879.2
60°	813.7
62.5°	779.8
65°	747.1
67.5°	711.2
70°	662.0
72.5°	598.5
75°	522.6
77.5°	432.4
80°	336.1
82.5°	242.9
85°	155.8
87.5°	74.8
90°	0.0

(END OF REPORT)