

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: P1504929

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (6500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504929
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 (6500K_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

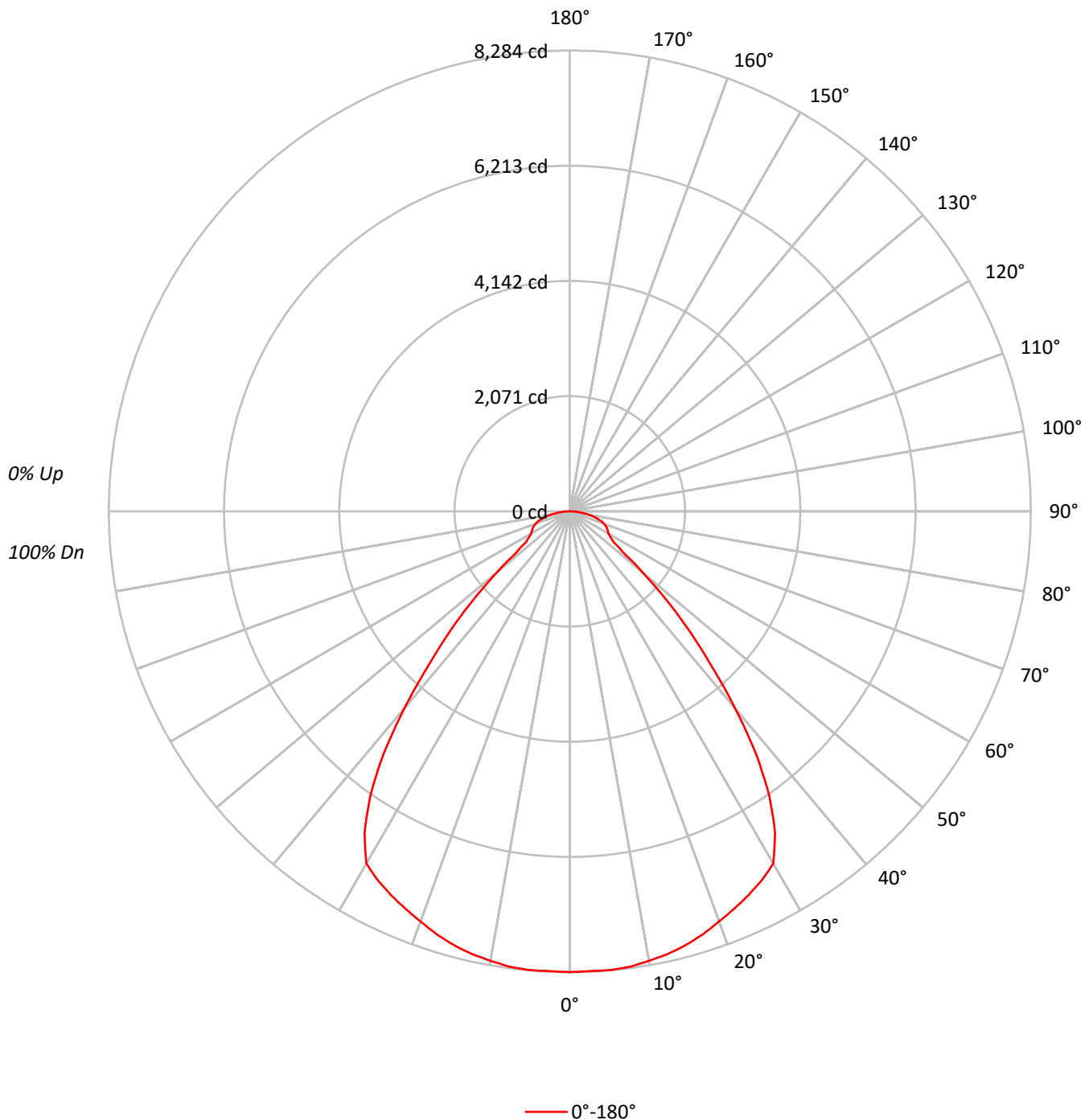
Lumens per Lamp: N/A
Luminaire Lumens: 15138.5 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 102.5
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			
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	48	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67182
5°	67397
10°	67552
15°	67759
20°	67693
25°	68067
30°	68456
35°	61919
40°	48903
45°	34762
50°	21497
55°	13540
60°	13037
65°	14161
70°	15507
75°	16177
80°	15509
85°	14320

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 34762 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	787.9	5.2
10°-20°	2277.6	15.0
20°-30°	3509.3	23.2
30°-40°	3827.8	25.3
40°-50°	2347.9	15.5
50°-60°	951.9	6.3
60°-70°	728.6	4.8
70°-80°	535.0	3.5
80°-90°	172.4	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°	6574.8	43.4
0°-40°	10402.6	68.7
0°-60°	13702.4	90.5
0°-90°	15138.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15138.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8284	
5°	8279	788
15°	8071	2278
25°	7607	3509
35°	6254	3828
45°	3031	2348
55°	958	952
65°	738	729
75°	516	535
85°	154	172
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8284.4
2.5°	8271.2
5°	8279.3
7.5°	8258.1
10°	8203.4
12.5°	8149.7
15°	8070.8
17.5°	7968.5
20°	7844.0
22.5°	7729.6
25°	7607.1
27.5°	7474.5
30°	7310.5
32.5°	6866.0
35°	6254.5
37.5°	5498.3
40°	4619.5
42.5°	3753.9
45°	3031.1
47.5°	2337.6
50°	1703.9
52.5°	1194.6
55°	957.7
57.5°	868.6
60°	803.8
62.5°	770.4
65°	738.0
67.5°	702.6
70°	654.0
72.5°	591.2
75°	516.3
77.5°	427.2
80°	332.1
82.5°	239.9
85°	153.9
87.5°	73.9
90°	0.0

(END OF REPORT)