

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: P1504921

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504921
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-59)
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_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

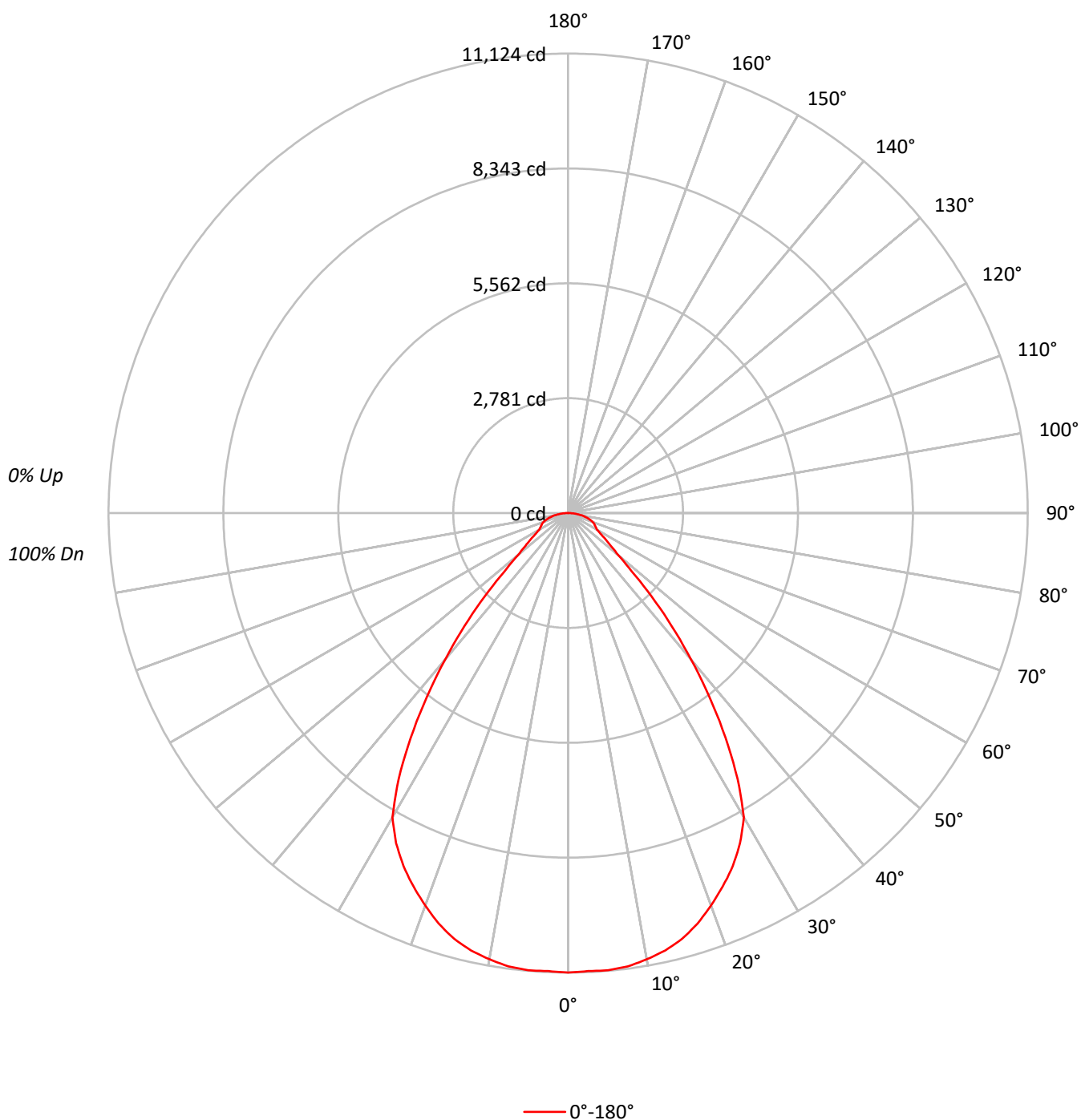
Lumens per Lamp: N/A
Luminaire Lumens: 17148.7 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.09
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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	106	103	100	101	99	97	98	96	94	94	93	91	89		
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	79		
3	97	89	82	77	95	87	81	77	85	80	75	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	68	75	71	67	73	69	66	64		
5	85	75	67	62	83	73	67	62	72	66	61	70	65	60	68	63	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	52	47	69	58	52	47	57	51	47	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41		
10	63	51	44	40	62	51	44	40	50	44	40	49	44	40	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90210
5°	90428
10°	90329
15°	89582
20°	87257
25°	84397
30°	79644
35°	65744
40°	48955
45°	32670
50°	19880
55°	15575
60°	13110
65°	13764
70°	15018
75°	15644
80°	15771
85°	15260

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32670 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1056.0	6.2
10°-20°	2997.9	17.5
20°-30°	4322.0	25.2
30°-40°	4108.3	24.0
40°-50°	2241.9	13.1
50°-60°	1007.2	5.9
60°-70°	712.7	4.2
70°-80°	521.6	3.0
80°-90°	181.1	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°	8375.9	48.8
0°-40°	12484.2	72.8
0°-60°	15733.3	91.7
0°-90°	17148.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17148.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11124	
5°	11108	###
15°	10670	2998
25°	9432	4322
35°	6641	4108
45°	2849	2242
55°	1102	1007
65°	717	713
75°	499	522
85°	164	181
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11124.0
2.5°	11098.9
5°	11108.5
7.5°	11068.9
10°	10969.5
12.5°	10848.6
15°	10670.2
17.5°	10418.7
20°	10111.0
22.5°	9782.9
25°	9432.1
27.5°	9011.8
30°	8505.3
32.5°	7633.5
35°	6640.9
37.5°	5626.7
40°	4624.4
42.5°	3714.4
45°	2848.7
47.5°	2087.1
50°	1575.8
52.5°	1299.2
55°	1101.6
57.5°	926.8
60°	808.3
62.5°	756.8
65°	717.3
67.5°	681.3
70°	633.4
72.5°	570.0
75°	499.3
77.5°	421.5
80°	337.7
82.5°	252.7
85°	164.0
87.5°	80.2
90°	0.0

(END OF REPORT)