

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: P1504930

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-WHGL-PS (6500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504930
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 (6500K_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

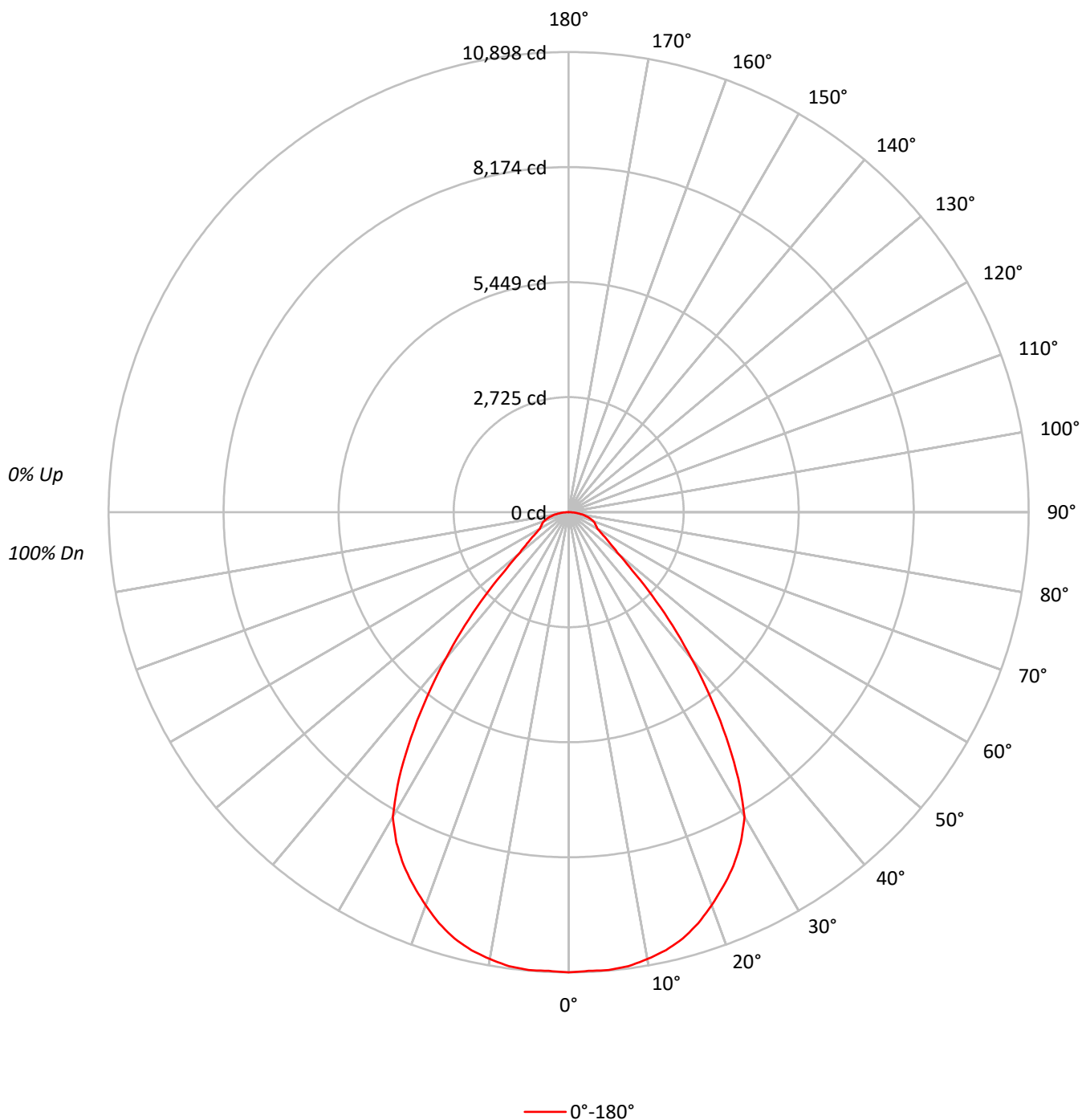
Lumens per Lamp: N/A
Luminaire Lumens: 16800.4 lumens
Efficiency: N/A
Efficacy: 136.3 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.09
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 123.3
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			
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°	88379
5°	88592
10°	88496
15°	87763
20°	85486
25°	82683
30°	78027
35°	64409
40°	47961
45°	32006
50°	19477
55°	15260
60°	12842
65°	13484
70°	14715
75°	15328
80°	15449
85°	14952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 32006 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1034.5	6.2
10°-20°	2937.0	17.5
20°-30°	4234.3	25.2
30°-40°	4024.9	24.0
40°-50°	2196.3	13.1
50°-60°	986.7	5.9
60°-70°	698.2	4.2
70°-80°	511.0	3.0
80°-90°	177.5	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°	8205.8	48.8
0°-40°	12230.7	72.8
0°-60°	15413.8	91.7
0°-90°	16800.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16800.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10898	
5°	10883	###
15°	10454	2937
25°	9241	4234
35°	6506	4025
45°	2791	2196
55°	1079	987
65°	703	698
75°	489	511
85°	161	177
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	10898.2
2.5°	10873.5
5°	10882.9
7.5°	10844.2
10°	10746.8
12.5°	10628.3
15°	10453.5
17.5°	10207.2
20°	9905.7
22.5°	9584.3
25°	9240.6
27.5°	8828.8
30°	8332.6
32.5°	7478.6
35°	6506.0
37.5°	5512.4
40°	4530.5
42.5°	3639.0
45°	2790.8
47.5°	2044.7
50°	1543.8
52.5°	1272.8
55°	1079.3
57.5°	908.0
60°	791.8
62.5°	741.4
65°	702.7
67.5°	667.5
70°	620.6
72.5°	558.4
75°	489.2
77.5°	412.9
80°	330.8
82.5°	247.5
85°	160.7
87.5°	78.6
90°	0.0

(END OF REPORT)