

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: P1504392

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504392
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-24)
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-A-04-WHGL-PS (6500K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

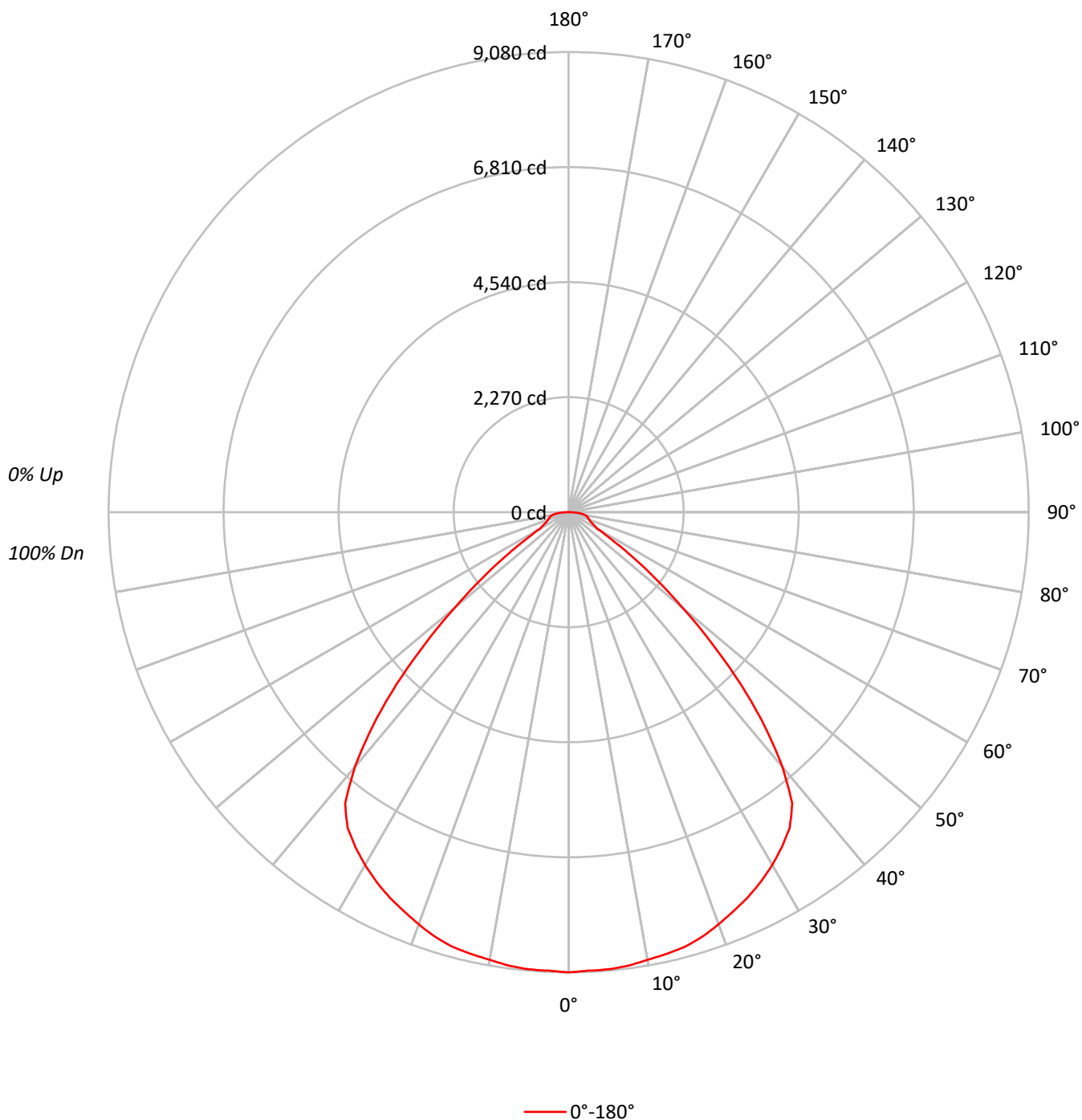
Lumens per Lamp: N/A
Luminaire Lumens: 18145.5 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89		
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41		
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	47	40	36	46	40	36	45	40	36	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82925
5°	83005
10°	83182
15°	83932
20°	84108
25°	84428
30°	84756
35°	84780
40°	78238
45°	62061
50°	41586
55°	24488
60°	11979
65°	10978
70°	11560
75°	13783
80°	16967
85°	20779

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 62061 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	861.6	4.7
10°-20°	2504.1	13.8
20°-30°	3863.7	21.3
30°-40°	4692.5	25.9
40°-50°	3663.3	20.2
50°-60°	1438.6	7.9
60°-70°	514.7	2.8
70°-80°	407.3	2.2
80°-90°	199.7	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°	7229.4	39.8
0°-40°	11921.8	65.7
0°-60°	17023.7	93.8
0°-90°	18145.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18145.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9080	
5°	9054	862
15°	8877	2504
25°	8378	3864
35°	7604	4692
45°	4805	3663
55°	1538	1439
65°	508	515
75°	391	407
85°	198	200
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9079.8
2.5°	9055.2
5°	9054.0
7.5°	9025.9
10°	8969.6
12.5°	8926.2
15°	8876.9
17.5°	8781.9
20°	8654.0
22.5°	8515.6
25°	8378.3
27.5°	8221.1
30°	8037.0
32.5°	7832.8
35°	7604.1
37.5°	7247.5
40°	6562.4
42.5°	5731.8
45°	4805.0
47.5°	3840.8
50°	2926.9
52.5°	2174.9
55°	1537.9
57.5°	998.3
60°	655.8
62.5°	570.1
65°	508.0
67.5°	457.5
70°	432.9
72.5°	409.4
75°	390.6
77.5°	363.7
80°	322.6
82.5°	271.0
85°	198.3
87.5°	103.2
90°	0.0

(END OF REPORT)