

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: P1504383

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504383
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

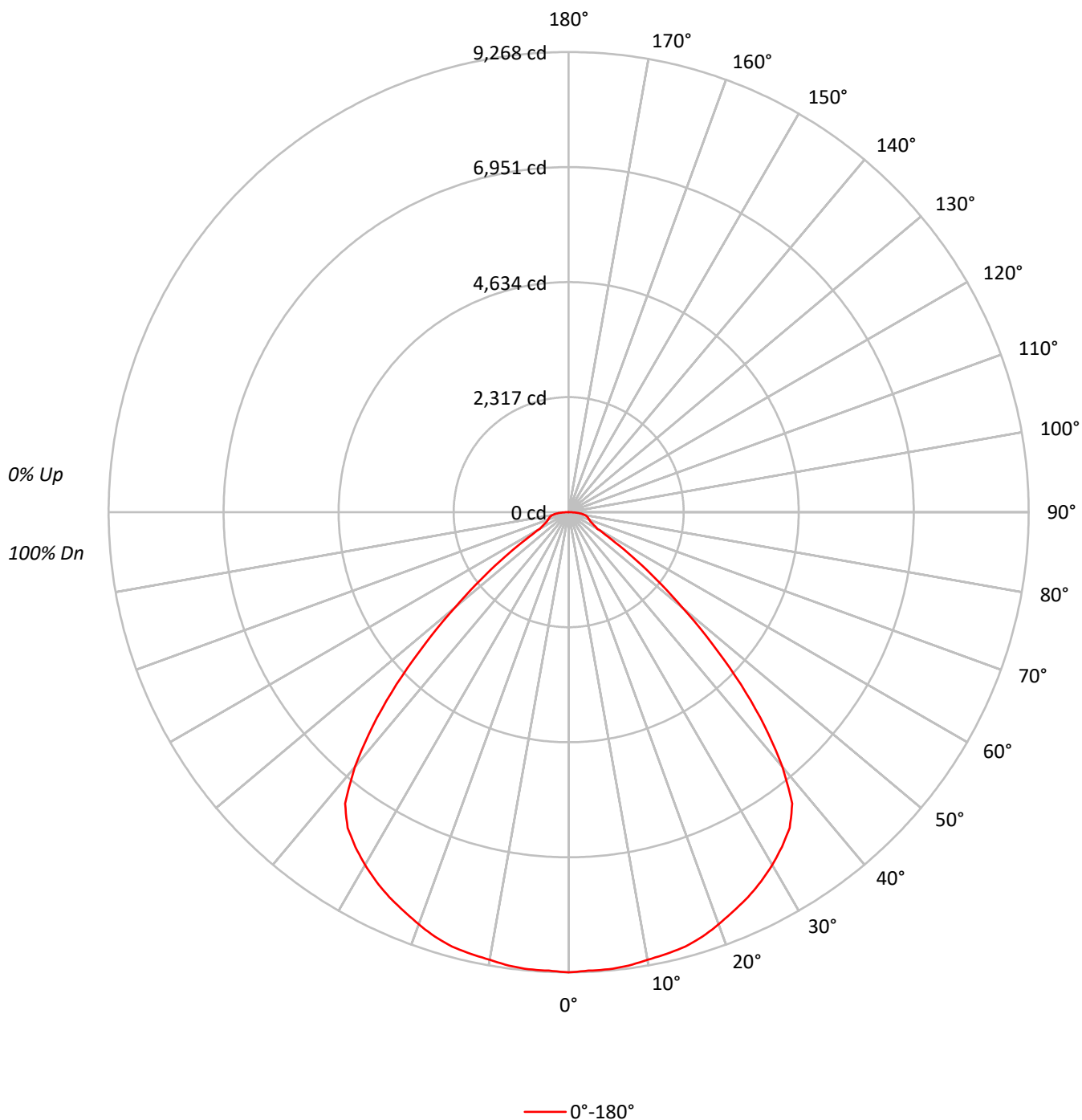
Lumens per Lamp: N/A
Luminaire Lumens: 18521.6 lumens
Efficiency: N/A
Efficacy: 154.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	84644
5°	84726
10°	84906
15°	85671
20°	85852
25°	86179
30°	86512
35°	86537
40°	79859
45°	63347
50°	42449
55°	24995
60°	12227
65°	11205
70°	11797
75°	14069
80°	17319
85°	21209

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 63347 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	879.4	4.7
10°-20°	2556.0	13.8
20°-30°	3943.8	21.3
30°-40°	4789.7	25.9
40°-50°	3739.2	20.2
50°-60°	1468.5	7.9
60°-70°	525.4	2.8
70°-80°	415.7	2.2
80°-90°	203.9	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°	7379.2	39.8
0°-40°	12168.9	65.7
0°-60°	17376.6	93.8
0°-90°	18521.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	18521.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9268	
5°	9242	879
15°	9061	2556
25°	8552	3944
35°	7762	4790
45°	4905	3739
55°	1570	1468
65°	518	525
75°	399	416
85°	202	204
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9268.0
2.5°	9242.9
5°	9241.7
7.5°	9212.9
10°	9155.5
12.5°	9111.2
15°	9060.9
17.5°	8963.9
20°	8833.4
22.5°	8692.1
25°	8552.0
27.5°	8391.5
30°	8203.5
32.5°	7995.2
35°	7761.7
37.5°	7397.7
40°	6698.4
42.5°	5850.6
45°	4904.6
47.5°	3920.3
50°	2987.6
52.5°	2220.0
55°	1569.8
57.5°	1019.0
60°	669.4
62.5°	581.9
65°	518.5
67.5°	467.0
70°	441.8
72.5°	417.9
75°	398.7
77.5°	371.2
80°	329.3
82.5°	276.6
85°	202.4
87.5°	105.4
90°	0.0

(END OF REPORT)