

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: P1504230

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504230
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-18)
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-BLAK-PS (3500K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

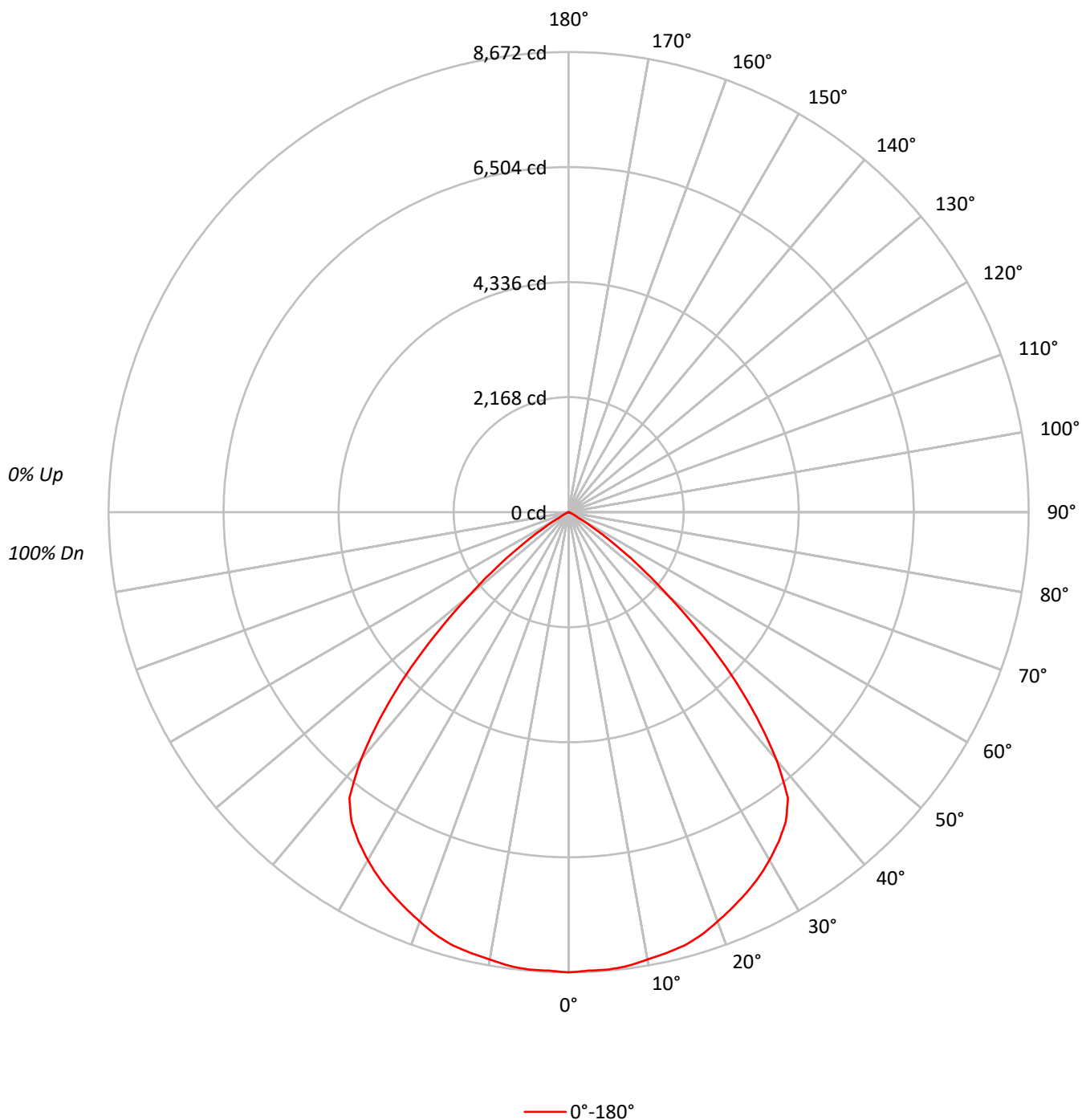
Lumens per Lamp: N/A
Luminaire Lumens: 15703.1 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 120.7
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	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102			100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93			91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84			82
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75			73
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68			66
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61			59
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55			53
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50			48
8	70	59	51	46	69	58	51	46	57	51	46	56	50	46	55	49	46			44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42			40
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38			37

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	79196
5°	79317
10°	79381
15°	79897
20°	79783
25°	79810
30°	79848
35°	79519
40°	72738
45°	56121
50°	34965
55°	17200
60°	3830
65°	1737
70°	684
75°	494
80°	615
85°	859

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56121 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	822.9	5.2
10°-20°	2382.9	15.2
20°-30°	3652.1	23.3
30°-40°	4400.3	28.0
40°-50°	3302.1	21.0
50°-60°	1027.6	6.5
60°-70°	91.1	0.6
70°-80°	16.6	0.1
80°-90°	7.6	0.0
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°	6857.8	43.7
0°-40°	11258.1	71.7
0°-60°	15587.8	99.3
0°-90°	15703.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15703.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8672	
5°	8652	823
15°	8450	2383
25°	7920	3652
35°	7132	4400
45°	4345	3302
55°	1080	1028
65°	80	91
75°	14	17
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8671.5
2.5°	8648.2
5°	8651.7
7.5°	8621.4
10°	8559.7
12.5°	8510.7
15°	8450.2
17.5°	8348.8
20°	8209.0
22.5°	8064.5
25°	7920.0
27.5°	7759.2
30°	7571.6
32.5°	7364.2
35°	7132.3
37.5°	6789.7
40°	6101.1
42.5°	5257.5
45°	4345.1
47.5°	3373.3
50°	2460.9
52.5°	1710.5
55°	1080.2
57.5°	543.0
60°	209.7
62.5°	131.7
65°	80.4
67.5°	41.9
70°	25.6
72.5°	16.3
75°	14.0
77.5°	14.0
80°	11.7
82.5°	10.5
85°	8.2
87.5°	3.5
90°	0.0

(END OF REPORT)