

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: P1504228

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504228
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-17)
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_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

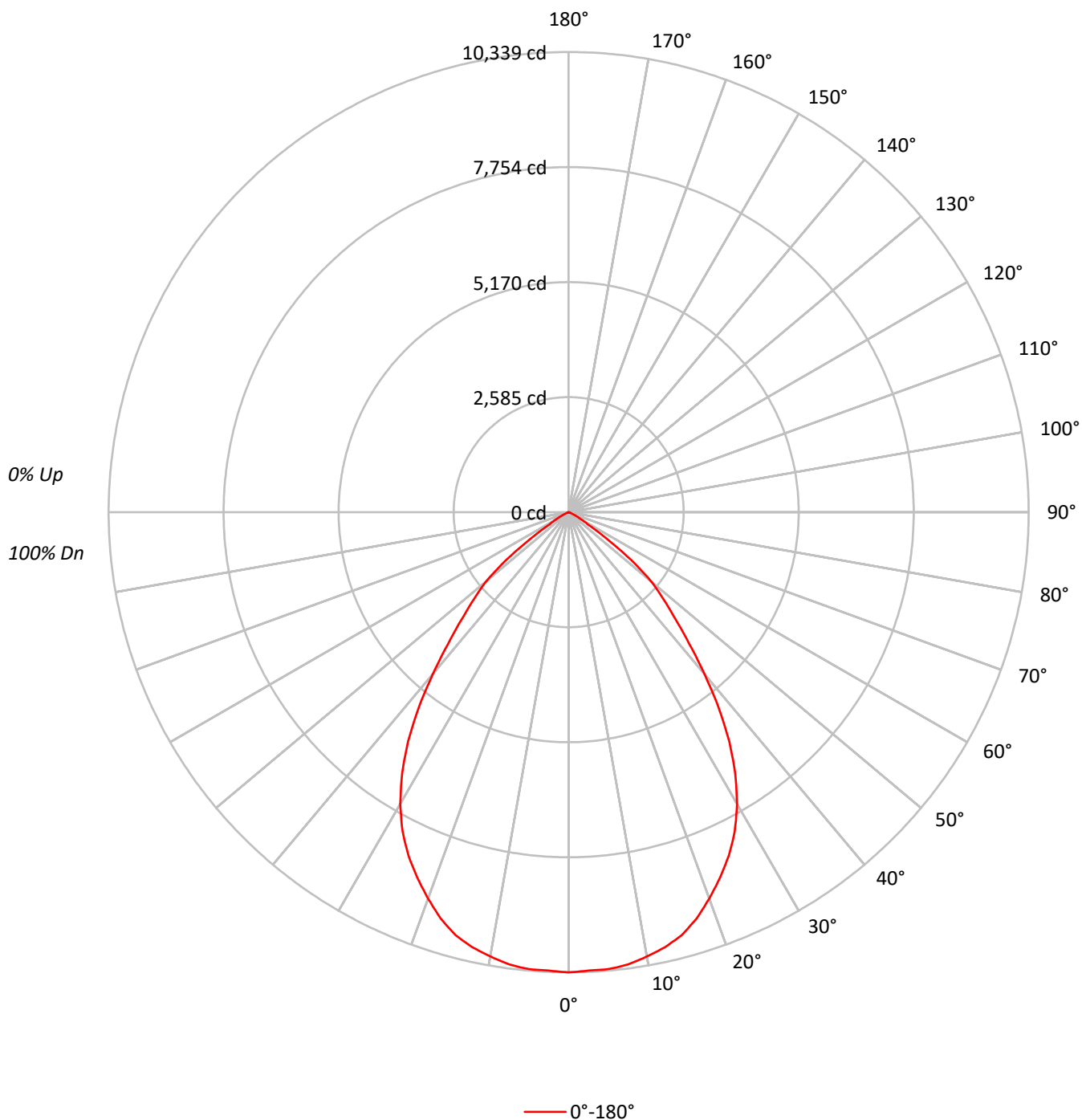
Lumens per Lamp: N/A
Luminaire Lumens: 15377.5 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67		
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	46		
9	68	56	50	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43		
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	94425
5°	94476
10°	94001
15°	92985
20°	89772
25°	85798
30°	79823
35°	70192
40°	56540
45°	43675
50°	34535
55°	16846
60°	6150
65°	2593
70°	748
75°	371
80°	431
85°	493

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 43675 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	978.3	6.4
10°-20°	2758.0	17.9
20°-30°	3898.9	25.4
30°-40°	3883.4	25.3
40°-50°	2661.1	17.3
50°-60°	1039.3	6.8
60°-70°	140.2	0.9
70°-80°	13.4	0.1
80°-90°	4.9	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°	7635.3	49.7
0°-40°	11518.7	74.9
0°-60°	15219.0	99.0
0°-90°	15377.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15377.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10339	
5°	10305	978
15°	9834	2758
25°	8514	3899
35°	6296	3883
45°	3382	2661
55°	1058	1039
65°	120	140
75°	10	13
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10339.0
2.5°	10308.7
5°	10305.2
7.5°	10250.4
10°	10136.2
12.5°	10010.4
15°	9834.4
17.5°	9568.8
20°	9236.7
22.5°	8885.9
25°	8514.2
27.5°	8083.1
30°	7569.2
32.5°	6965.7
35°	6295.7
37.5°	5531.3
40°	4742.4
42.5°	4015.3
45°	3381.5
47.5°	2886.2
50°	2430.6
52.5°	1775.8
55°	1058.0
57.5°	503.4
60°	336.7
62.5°	212.1
65°	120.0
67.5°	58.3
70°	28.0
72.5°	12.8
75°	10.5
77.5°	9.3
80°	8.2
82.5°	7.0
85°	4.7
87.5°	2.3
90°	0.0

(END OF REPORT)