

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: P1504249

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504249
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 (6500K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

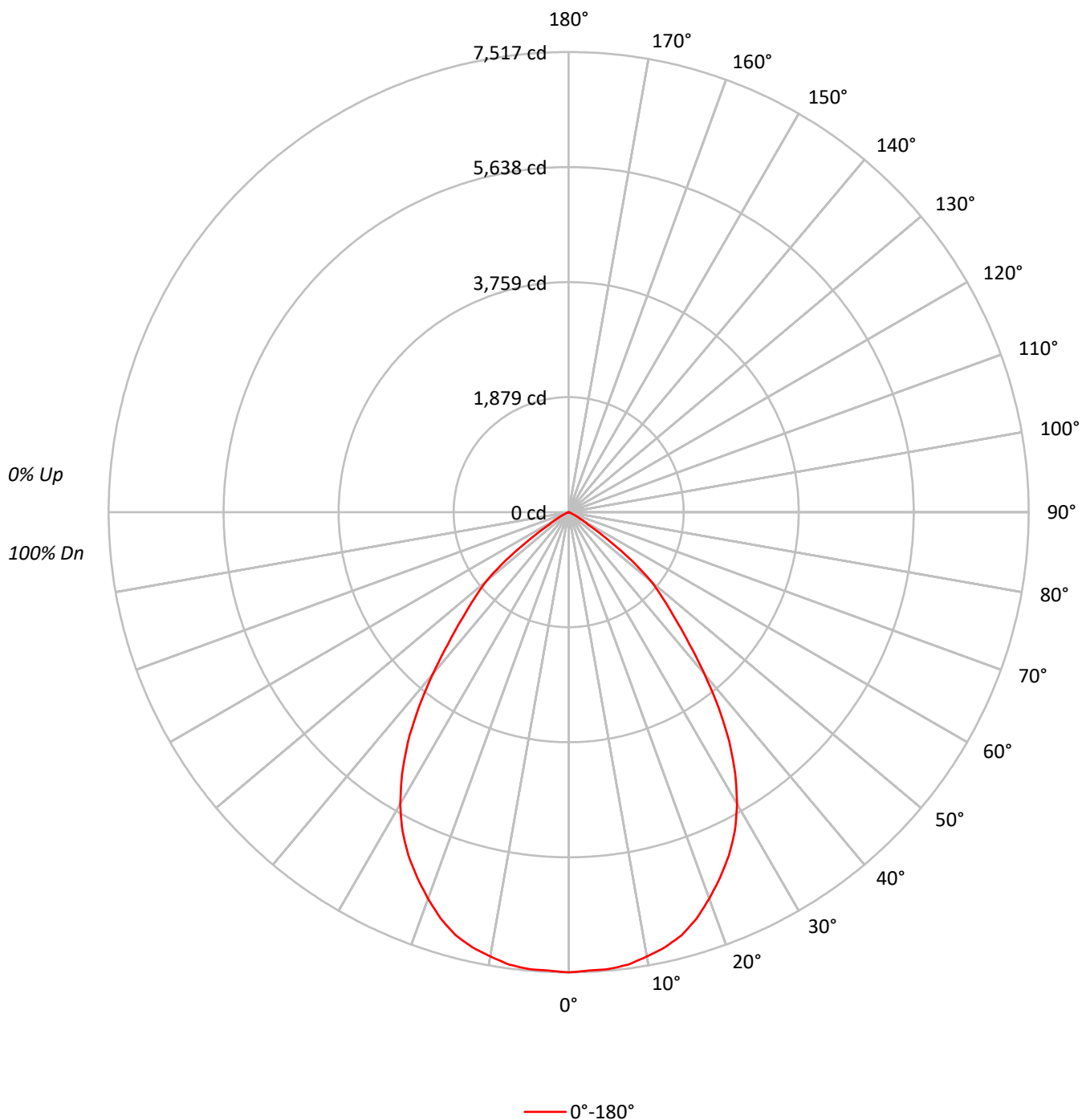
Lumens per Lamp: N/A
Luminaire Lumens: 11180.7 lumens
Efficiency: N/A
Efficacy: 134.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 83
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°	68655
5°	68691
10°	68347
15°	67607
20°	65271
25°	62382
30°	58039
35°	51035
40°	41109
45°	31755
50°	25110
55°	12249
60°	4471
65°	1887
70°	542
75°	268
80°	310
85°	356

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31755 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	711.3	6.4
10°-20°	2005.3	17.9
20°-30°	2834.9	25.4
30°-40°	2823.5	25.3
40°-50°	1934.8	17.3
50°-60°	755.6	6.8
60°-70°	101.9	0.9
70°-80°	9.7	0.1
80°-90°	3.6	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°	5551.5	49.7
0°-40°	8375.0	74.9
0°-60°	11065.5	99.0
0°-90°	11180.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11180.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7517	
5°	7493	711
15°	7150	2005
25°	6190	2835
35°	4578	2824
45°	2459	1935
55°	769	756
65°	87	102
75°	8	10
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7517.3
2.5°	7495.2
5°	7492.7
7.5°	7452.9
10°	7369.9
12.5°	7278.4
15°	7150.4
17.5°	6957.3
20°	6715.8
22.5°	6460.8
25°	6190.5
27.5°	5877.1
30°	5503.5
32.5°	5064.6
35°	4577.5
37.5°	4021.7
40°	3448.1
42.5°	2919.5
45°	2458.6
47.5°	2098.5
50°	1767.3
52.5°	1291.1
55°	769.3
57.5°	366.0
60°	244.8
62.5°	154.2
65°	87.3
67.5°	42.4
70°	20.3
72.5°	9.3
75°	7.6
77.5°	6.8
80°	5.9
82.5°	5.1
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)