

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: P1504215

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504215
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 (3000K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

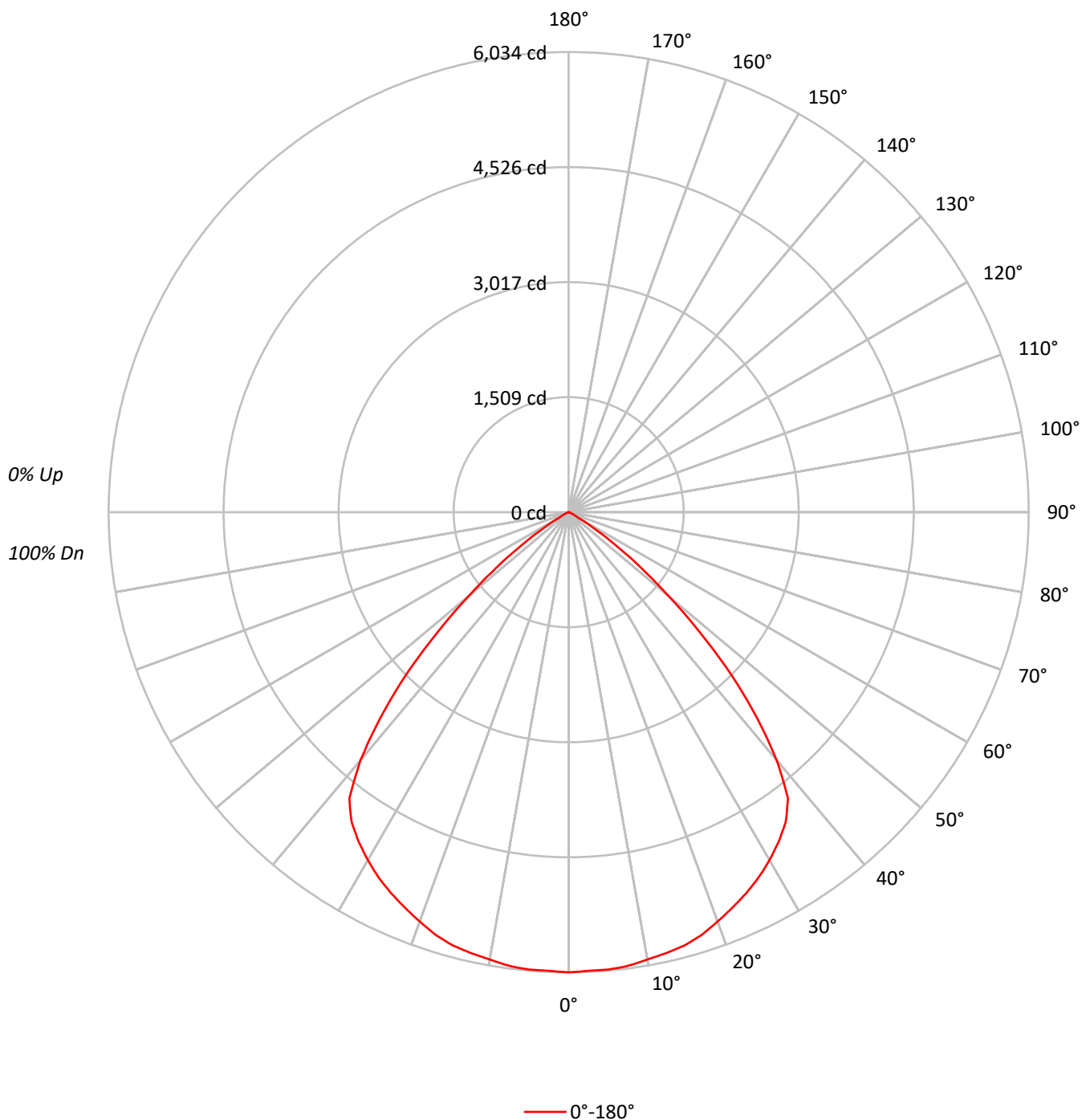
Lumens per Lamp: N/A
Luminaire Lumens: 10926.9 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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	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°	55109
5°	55193
10°	55236
15°	55596
20°	55517
25°	55536
30°	55562
35°	55333
40°	50614
45°	39051
50°	24330
55°	11968
60°	2665
65°	1208
70°	475
75°	342
80°	426
85°	597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39051 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.6	5.2
10°-20°	1658.1	15.2
20°-30°	2541.3	23.3
30°-40°	3061.9	28.0
40°-50°	2297.8	21.0
50°-60°	715.0	6.5
60°-70°	63.4	0.6
70°-80°	11.5	0.1
80°-90°	5.3	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°	4772.0	43.7
0°-40°	7833.9	71.7
0°-60°	10846.7	99.3
0°-90°	10926.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10926.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6034	
5°	6020	573
15°	5880	1658
25°	5511	2541
35°	4963	3062
45°	3024	2298
55°	752	715
65°	56	63
75°	10	12
85°	6	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6034.1
2.5°	6017.9
5°	6020.3
7.5°	5999.2
10°	5956.2
12.5°	5922.2
15°	5880.0
17.5°	5809.5
20°	5712.2
22.5°	5611.6
25°	5511.1
27.5°	5399.2
30°	5268.7
32.5°	5124.3
35°	4963.0
37.5°	4724.6
40°	4245.4
42.5°	3658.4
45°	3023.5
47.5°	2347.3
50°	1712.4
52.5°	1190.3
55°	751.6
57.5°	377.8
60°	145.9
62.5°	91.6
65°	55.9
67.5°	29.2
70°	17.8
72.5°	11.4
75°	9.7
77.5°	9.7
80°	8.1
82.5°	7.3
85°	5.7
87.5°	2.4
90°	0.0

(END OF REPORT)