

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: P1504239

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (4000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504239
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

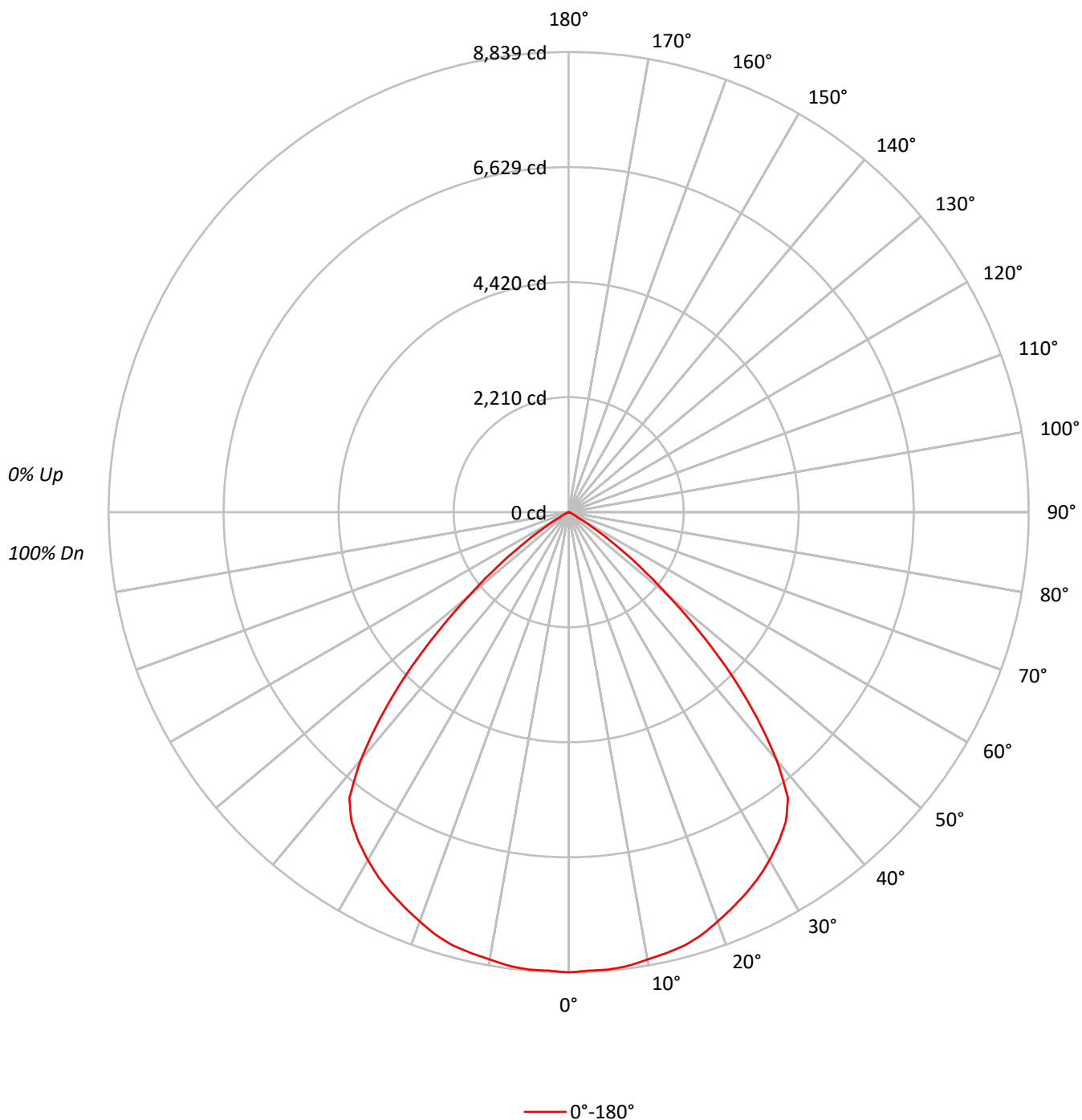
Lumens per Lamp: N/A
Luminaire Lumens: 16005.7 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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°	80723
5°	80846
10°	80910
15°	81436
20°	81320
25°	81348
30°	81387
35°	81051
40°	74139
45°	57202
50°	35640
55°	17531
60°	3905
65°	1770
70°	697
75°	505
80°	626
85°	870

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57202 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	838.7	5.2
10°-20°	2428.8	15.2
20°-30°	3722.4	23.3
30°-40°	4485.0	28.0
40°-50°	3365.8	21.0
50°-60°	1047.4	6.5
60°-70°	92.8	0.6
70°-80°	16.9	0.1
80°-90°	7.8	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°	6990.0	43.7
0°-40°	11475.0	71.7
0°-60°	15888.2	99.3
0°-90°	16005.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16005.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8839	
5°	8818	839
15°	8613	2429
25°	8073	3722
35°	7270	4485
45°	4429	3366
55°	1101	1047
65°	82	93
75°	14	17
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8838.7
2.5°	8814.9
5°	8818.5
7.5°	8787.6
10°	8724.6
12.5°	8674.8
15°	8613.0
17.5°	8509.7
20°	8367.1
22.5°	8219.9
25°	8072.6
27.5°	7908.7
30°	7717.5
32.5°	7506.1
35°	7269.7
37.5°	6920.6
40°	6218.6
42.5°	5358.8
45°	4428.8
47.5°	3438.3
50°	2508.4
52.5°	1743.5
55°	1101.0
57.5°	553.5
60°	213.8
62.5°	134.2
65°	81.9
67.5°	42.8
70°	26.1
72.5°	16.6
75°	14.3
77.5°	14.3
80°	11.9
82.5°	10.7
85°	8.3
87.5°	3.6
90°	0.0

(END OF REPORT)