

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: P1504242

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504242
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 (5000K_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: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

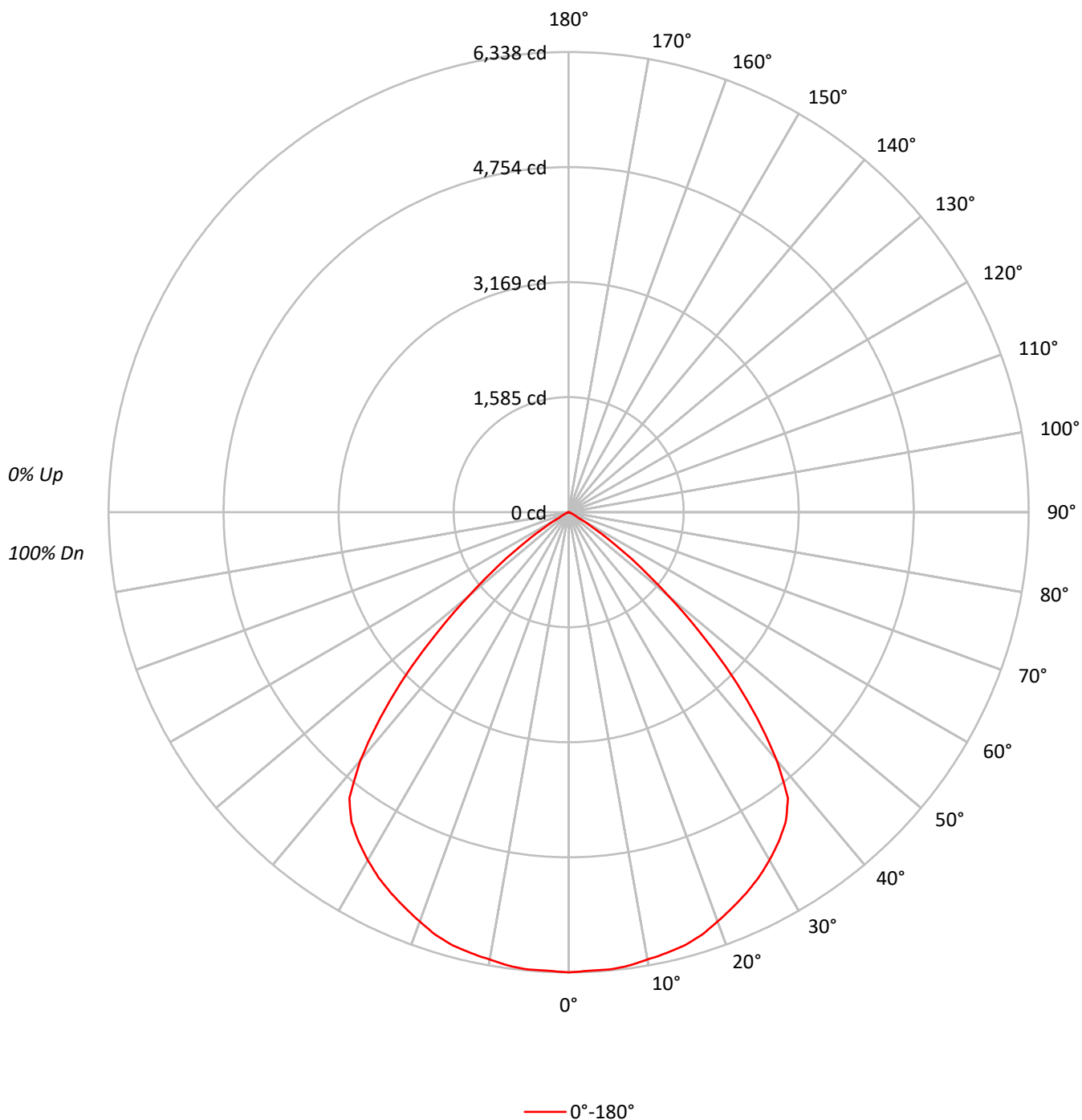
Lumens per Lamp: N/A
Luminaire Lumens: 11477.8 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 81.1
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°	57887
5°	57975
10°	58021
15°	58399
20°	58316
25°	58335
30°	58363
35°	58123
40°	53166
45°	41019
50°	25558
55°	12571
60°	2800
65°	1271
70°	499
75°	360
80°	447
85°	629

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 41019 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.5	5.2
10°-20°	1741.7	15.2
20°-30°	2669.4	23.3
30°-40°	3216.3	28.0
40°-50°	2413.6	21.0
50°-60°	751.1	6.5
60°-70°	66.6	0.6
70°-80°	12.1	0.1
80°-90°	5.6	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°	5012.6	43.7
0°-40°	8228.8	71.7
0°-60°	11393.5	99.3
0°-90°	11477.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11477.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6338	
5°	6324	601
15°	6176	1742
25°	5789	2669
35°	5213	3216
45°	3176	2414
55°	790	751
65°	59	67
75°	10	12
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6338.3
2.5°	6321.2
5°	6323.8
7.5°	6301.6
10°	6256.5
12.5°	6220.7
15°	6176.5
17.5°	6102.4
20°	6000.2
22.5°	5894.5
25°	5788.9
27.5°	5671.4
30°	5534.3
32.5°	5382.7
35°	5213.2
37.5°	4962.8
40°	4459.4
42.5°	3842.8
45°	3175.9
47.5°	2465.6
50°	1798.8
52.5°	1250.3
55°	789.5
57.5°	396.9
60°	153.3
62.5°	96.2
65°	58.8
67.5°	30.7
70°	18.7
72.5°	11.9
75°	10.2
77.5°	10.2
80°	8.5
82.5°	7.7
85°	6.0
87.5°	2.6
90°	0.0

(END OF REPORT)