

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: P1504218

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504218
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_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

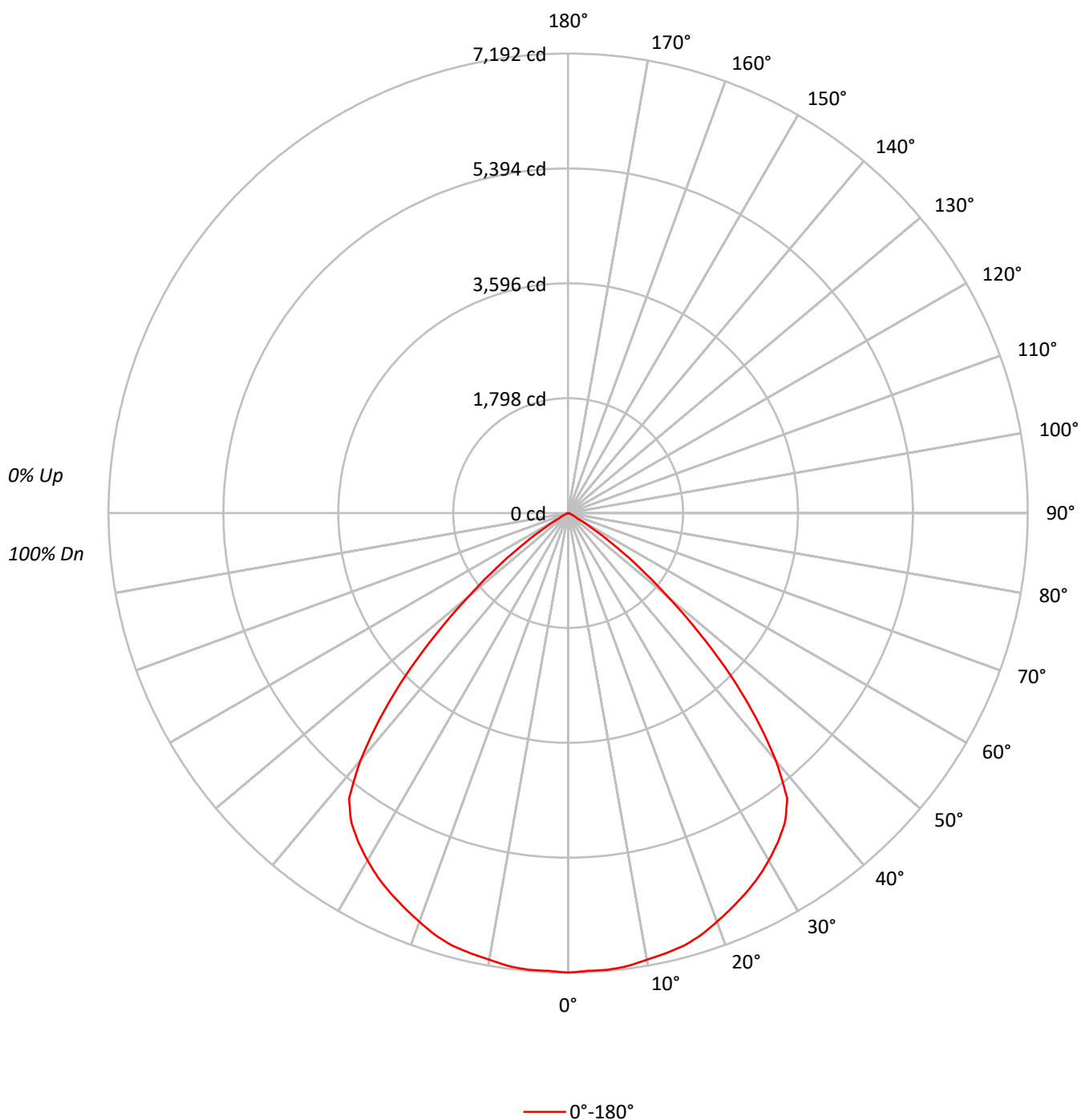
Lumens per Lamp: N/A
Luminaire Lumens: 13023.1 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 102.3
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°	65680
5°	65781
10°	65834
15°	66261
20°	66167
25°	66189
30°	66221
35°	65949
40°	60324
45°	46542
50°	28998
55°	14264
60°	3176
65°	1441
70°	569
75°	409
80°	510
85°	713

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 46542 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	682.4	5.2
10°-20°	1976.2	15.2
20°-30°	3028.8	23.3
30°-40°	3649.3	28.0
40°-50°	2738.6	21.0
50°-60°	852.2	6.5
60°-70°	75.5	0.6
70°-80°	13.8	0.1
80°-90°	6.3	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°	5687.4	43.7
0°-40°	9336.7	71.7
0°-60°	12927.5	99.3
0°-90°	13023.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13023.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7192	
5°	7175	682
15°	7008	1976
25°	6568	3029
35°	5915	3649
45°	3604	2739
55°	896	852
65°	67	76
75°	12	14
85°	7	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7191.6
2.5°	7172.3
5°	7175.2
7.5°	7150.1
10°	7098.9
12.5°	7058.3
15°	7008.0
17.5°	6923.9
20°	6808.0
22.5°	6688.2
25°	6568.3
27.5°	6435.0
30°	6279.4
32.5°	6107.4
35°	5915.1
37.5°	5631.0
40°	5059.8
42.5°	4360.2
45°	3603.5
47.5°	2797.6
50°	2040.9
52.5°	1418.6
55°	895.8
57.5°	450.3
60°	173.9
62.5°	109.2
65°	66.7
67.5°	34.8
70°	21.3
72.5°	13.5
75°	11.6
77.5°	11.6
80°	9.7
82.5°	8.7
85°	6.8
87.5°	2.9
90°	0.0

(END OF REPORT)