

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: P1504216

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504216
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 (3000K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

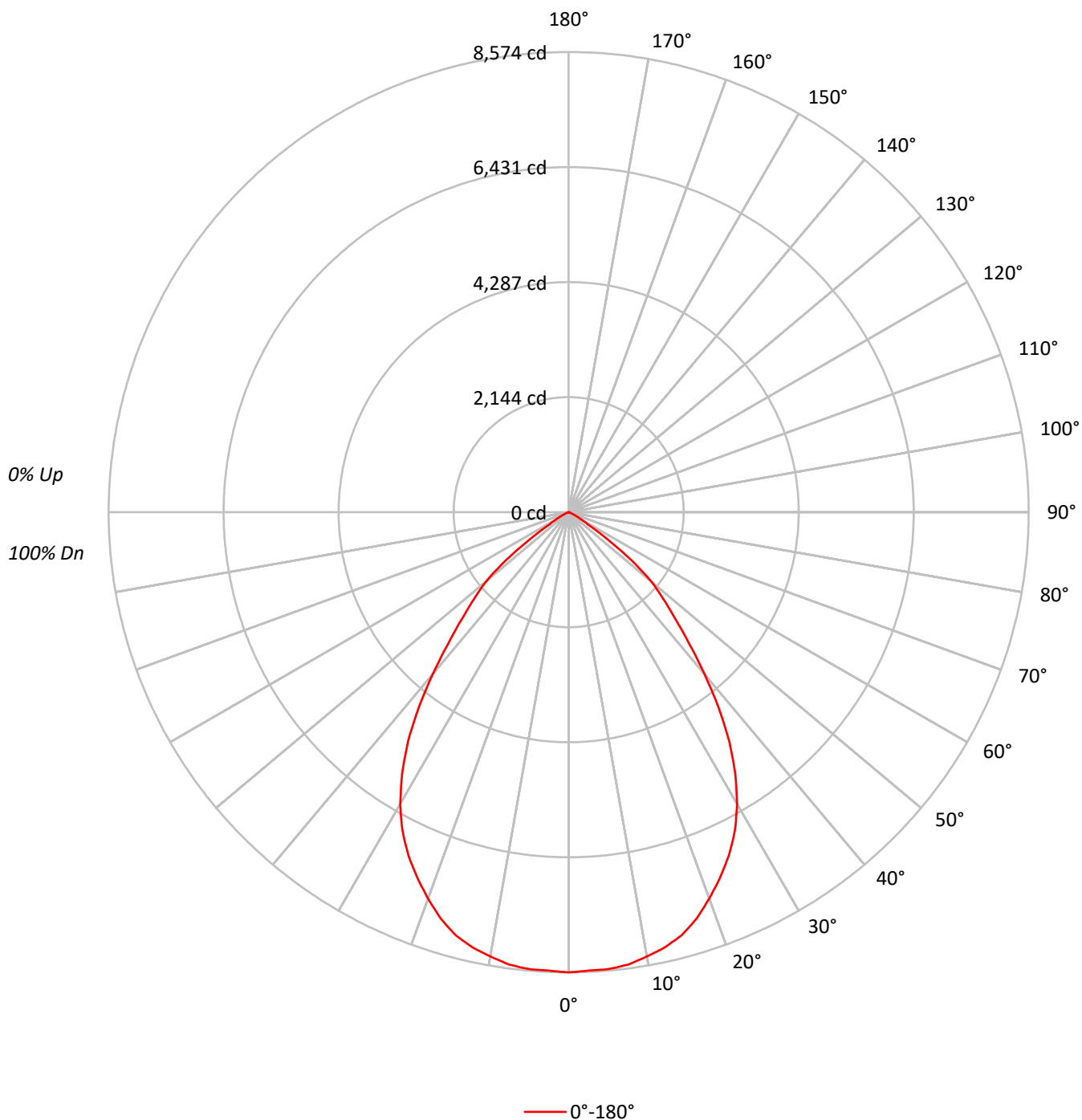
Lumens per Lamp: N/A
Luminaire Lumens: 12753.1 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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°	78310
5°	78352
10°	77958
15°	77115
20°	74451
25°	71156
30°	66201
35°	58212
40°	46891
45°	36221
50°	28641
55°	13972
60°	5102
65°	2150
70°	620
75°	307
80°	358
85°	409

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 36221 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.4	6.4
10°-20°	2287.3	17.9
20°-30°	3233.5	25.4
30°-40°	3220.6	25.3
40°-50°	2206.9	17.3
50°-60°	861.9	6.8
60°-70°	116.2	0.9
70°-80°	11.1	0.1
80°-90°	4.1	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°	6332.2	49.7
0°-40°	9552.9	74.9
0°-60°	12621.7	99.0
0°-90°	12753.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12753.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8574	
5°	8546	811
15°	8156	2287
25°	7061	3234
35°	5221	3221
45°	2804	2207
55°	878	862
65°	100	116
75°	9	11
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8574.5
2.5°	8549.4
5°	8546.5
7.5°	8501.0
10°	8406.3
12.5°	8302.0
15°	8156.0
17.5°	7935.7
20°	7660.3
22.5°	7369.4
25°	7061.2
27.5°	6703.6
30°	6277.5
32.5°	5776.9
35°	5221.2
37.5°	4587.3
40°	3933.1
42.5°	3330.1
45°	2804.4
47.5°	2393.7
50°	2015.8
52.5°	1472.7
55°	877.5
57.5°	417.5
60°	279.3
62.5°	175.9
65°	99.5
67.5°	48.3
70°	23.2
72.5°	10.6
75°	8.7
77.5°	7.7
80°	6.8
82.5°	5.8
85°	3.9
87.5°	1.9
90°	0.0

(END OF REPORT)