

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: P1504223

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504223
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-16)
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 (3500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

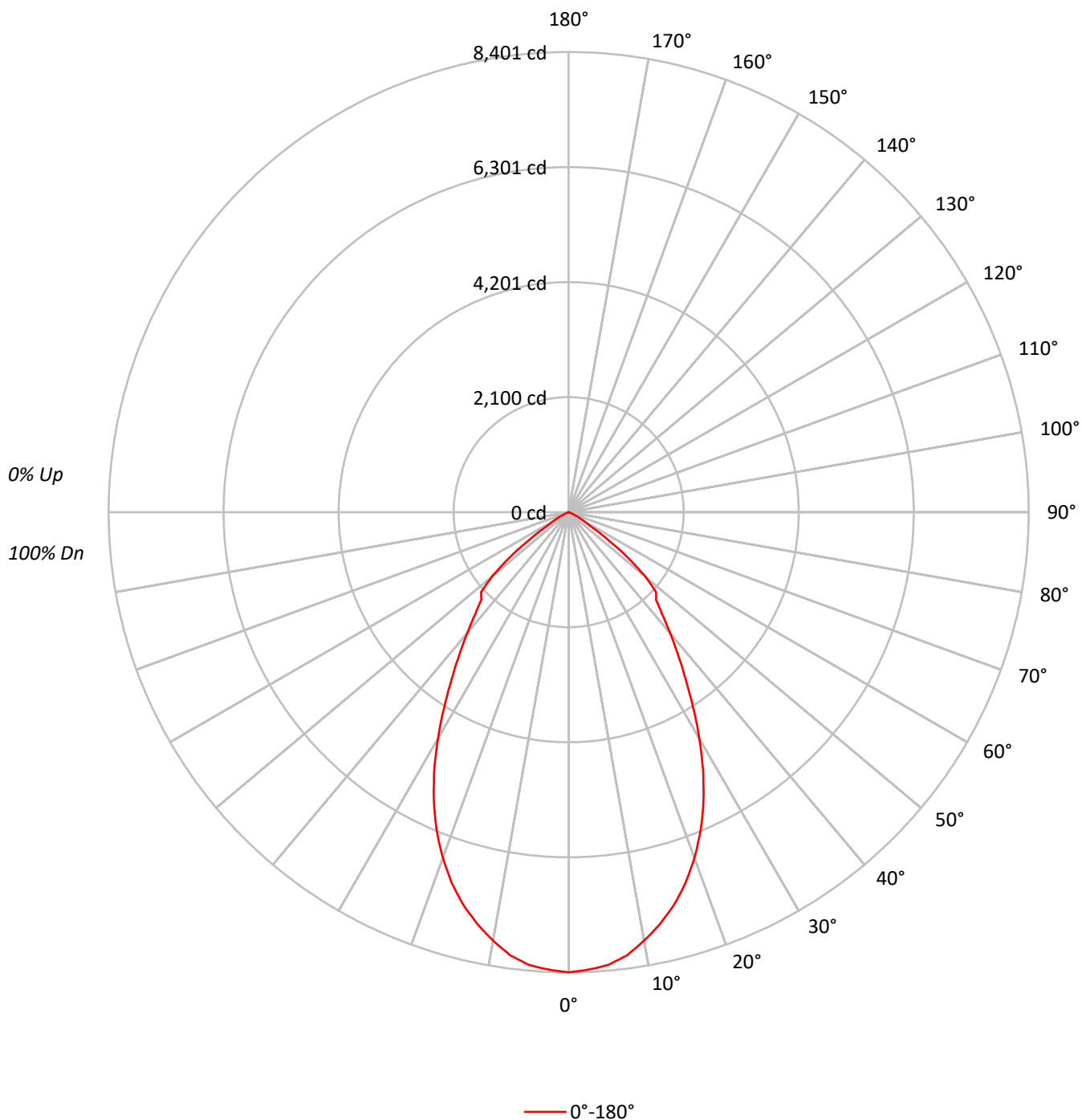
Lumens per Lamp: N/A
Luminaire Lumens: 10613.2 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.98
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	92		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	92	86	81	97	90	85	80	87	83	79	85	81	78	83	79	77	75		
4	93	84	77	73	91	83	77	72	81	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62		
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	56		
7	77	66	59	54	75	65	59	54	64	58	54	63	57	53	61	57	53	51		
8	72	61	54	50	71	61	54	50	60	54	49	58	53	49	57	53	49	47		
9	68	57	50	46	67	57	50	46	56	50	46	55	49	45	54	49	45	44		
10	65	54	47	42	63	53	47	42	52	46	42	51	46	42	51	46	42	41		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	76727
5°	76065
10°	73650
15°	70203
20°	65259
25°	58683
30°	50299
35°	41503
40°	34321
45°	29116
50°	25859
55°	13780
60°	5681
65°	2360
70°	622
75°	236
80°	305
85°	346

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 29325 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	780.7	7.4
10°-20°	2076.6	19.6
20°-30°	2655.4	25.0
30°-40°	2341.0	22.1
40°-50°	1790.2	16.9
50°-60°	826.8	7.8
60°-70°	129.4	1.2
70°-80°	9.8	0.1
80°-90°	3.3	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°	5512.7	51.9
0°-40°	7853.7	74.0
0°-60°	10470.7	98.7
0°-90°	10613.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10613.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8401	
5°	8297	781
15°	7425	2077
25°	5823	2655
35°	3722	2341
45°	2254	1790
55°	865	827
65°	109	129
75°	7	10
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8401.2
2.5°	8359.5
5°	8297.0
7.5°	8159.4
10°	7941.8
12.5°	7700.9
15°	7424.9
17.5°	7097.3
20°	6714.6
22.5°	6296.1
25°	5823.4
27.5°	5314.0
30°	4769.6
32.5°	4231.0
35°	3722.5
37.5°	3276.4
40°	2878.8
42.5°	2523.6
45°	2254.3
47.5°	2169.3
50°	1820.0
52.5°	1369.8
55°	865.4
57.5°	448.5
60°	311.0
62.5°	198.4
65°	109.2
67.5°	54.2
70°	23.3
72.5°	9.2
75°	6.7
77.5°	6.7
80°	5.8
82.5°	4.2
85°	3.3
87.5°	1.7
90°	0.0

(END OF REPORT)