

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: P1504214

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504214
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

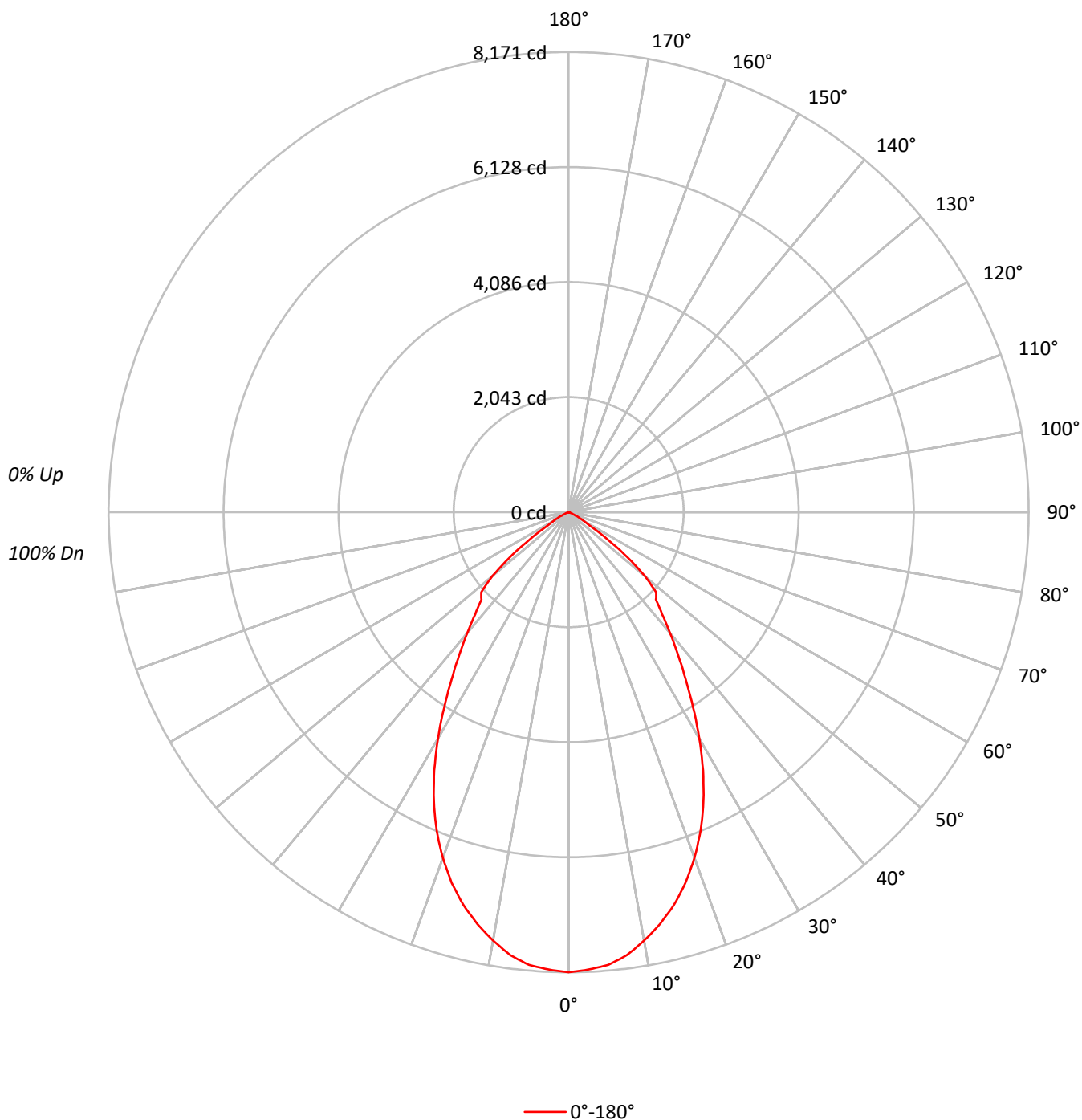
Lumens per Lamp: N/A
Luminaire Lumens: 10321.8 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.98
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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°	74621
5°	73977
10°	71629
15°	68276
20°	63468
25°	57071
30°	48919
35°	40363
40°	33378
45°	28317
50°	25149
55°	13401
60°	5524
65°	2295
70°	606
75°	229
80°	300
85°	335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 28520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.3	7.4
10°-20°	2019.6	19.6
20°-30°	2582.5	25.0
30°-40°	2276.7	22.1
40°-50°	1741.0	16.9
50°-60°	804.1	7.8
60°-70°	125.9	1.2
70°-80°	9.5	0.1
80°-90°	3.2	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°	5361.4	51.9
0°-40°	7638.1	74.0
0°-60°	10183.2	98.7
0°-90°	10321.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10321.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8171	
5°	8069	759
15°	7221	2020
25°	5664	2582
35°	3620	2277
45°	2192	1741
55°	842	804
65°	106	126
75°	6	9
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8170.6
2.5°	8130.0
5°	8069.2
7.5°	7935.4
10°	7723.8
12.5°	7489.5
15°	7221.1
17.5°	6902.5
20°	6530.3
22.5°	6123.3
25°	5663.5
27.5°	5168.1
30°	4638.7
32.5°	4114.9
35°	3620.3
37.5°	3186.5
40°	2799.7
42.5°	2454.3
45°	2192.4
47.5°	2109.7
50°	1770.0
52.5°	1332.2
55°	841.6
57.5°	436.2
60°	302.4
62.5°	193.0
65°	106.2
67.5°	52.7
70°	22.7
72.5°	8.9
75°	6.5
77.5°	6.5
80°	5.7
82.5°	4.1
85°	3.2
87.5°	1.6
90°	0.0

(END OF REPORT)