

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: P1504229

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504229
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_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

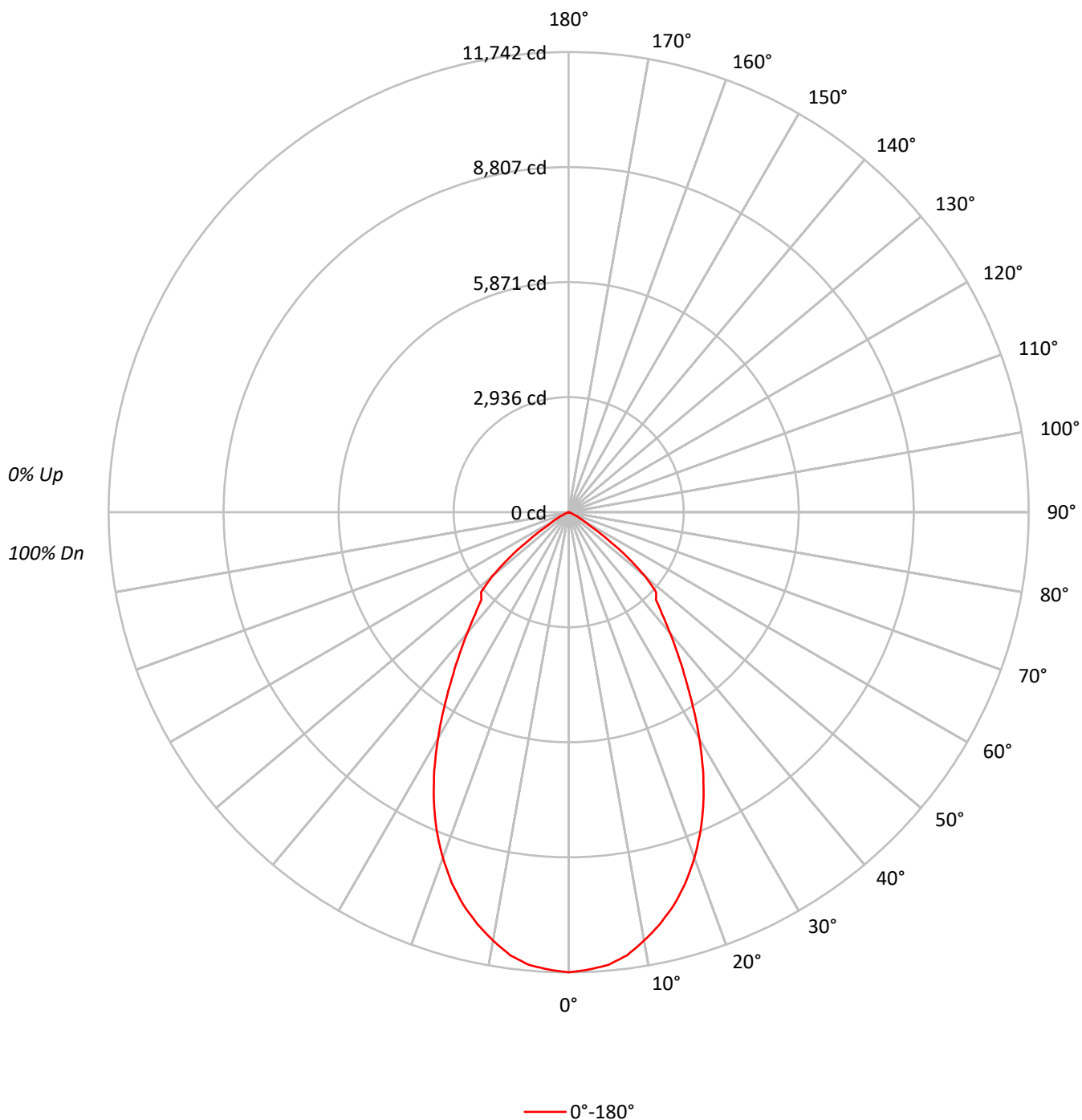
Lumens per Lamp: N/A
Luminaire Lumens: 14833.4 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.98
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 120.7
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	50	30	10	50	30	10		
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°	107237
5°	106311
10°	102938
15°	98119
20°	91210
25°	82017
30°	70300
35°	58006
40°	47969
45°	40694
50°	36142
55°	19259
60°	7938
65°	3298
70°	871
75°	328
80°	431
85°	493

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 40986 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1091.2	7.4
10°-20°	2902.4	19.6
20°-30°	3711.2	25.0
30°-40°	3271.9	22.1
40°-50°	2502.1	16.9
50°-60°	1155.6	7.8
60°-70°	180.9	1.2
70°-80°	13.6	0.1
80°-90°	4.6	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°	7704.8	51.9
0°-40°	10976.7	74.0
0°-60°	14634.3	98.7
0°-90°	14833.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14833.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11742	
5°	11596	###
15°	10377	2902
25°	8139	3711
35°	5203	3272
45°	3151	2502
55°	1210	1156
65°	153	181
75°	9	14
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11741.9
2.5°	11683.6
5°	11596.2
7.5°	11404.0
10°	11099.9
12.5°	10763.1
15°	10377.4
17.5°	9919.5
20°	9384.7
22.5°	8799.7
25°	8139.0
27.5°	7427.1
30°	6666.2
32.5°	5913.5
35°	5202.7
37.5°	4579.3
40°	4023.5
42.5°	3527.1
45°	3150.7
47.5°	3031.9
50°	2543.7
52.5°	1914.5
55°	1209.5
57.5°	626.9
60°	434.6
62.5°	277.3
65°	152.6
67.5°	75.7
70°	32.6
72.5°	12.8
75°	9.3
77.5°	9.3
80°	8.2
82.5°	5.8
85°	4.7
87.5°	2.3
90°	0.0

(END OF REPORT)