

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: P1504220

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504220
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_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

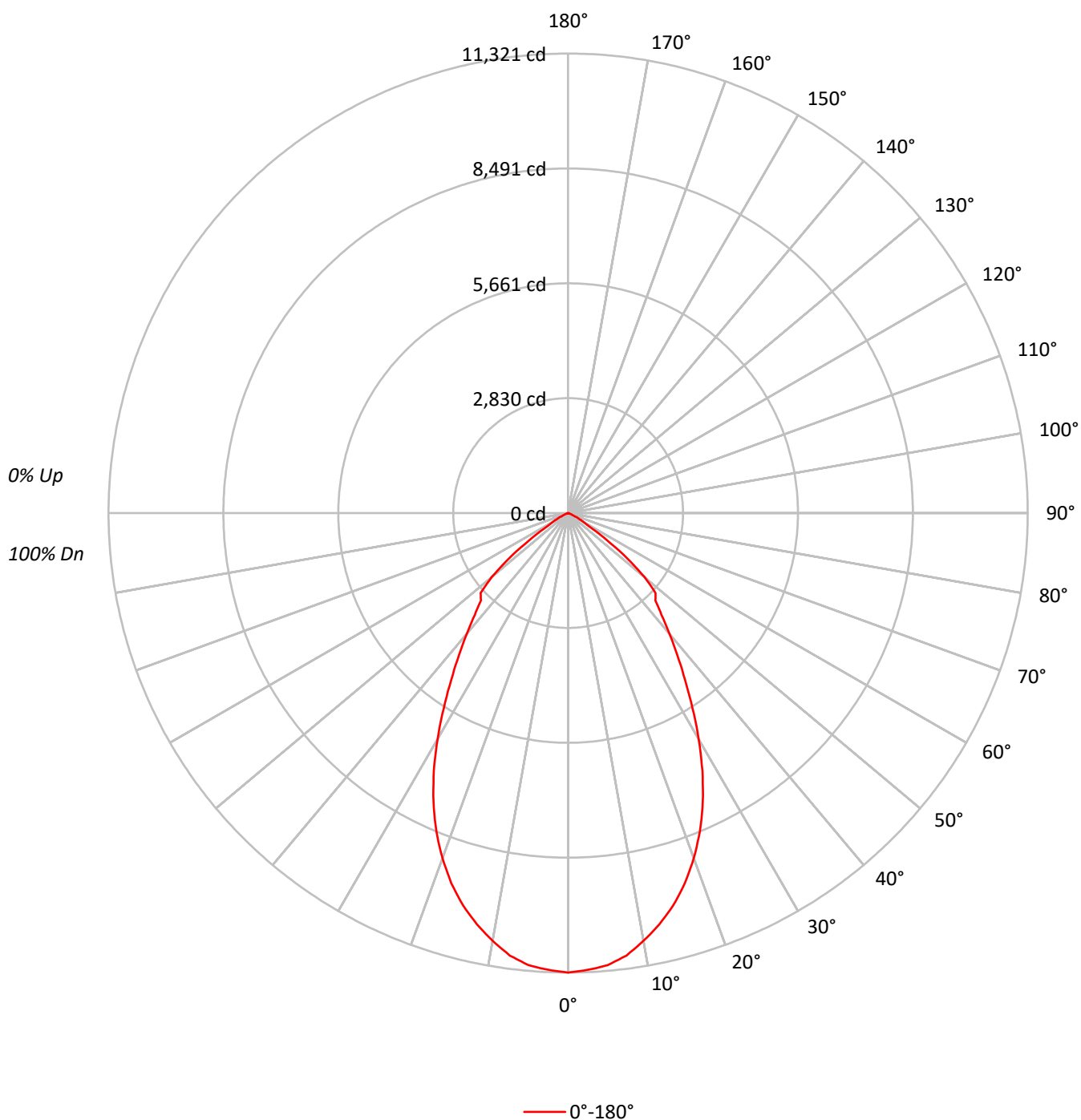
Lumens per Lamp: N/A
Luminaire Lumens: 14302.1 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.98
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 122.9
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°	103396
5°	102503
10°	99250
15°	94605
20°	87943
25°	79079
30°	67782
35°	55928
40°	46251
45°	39237
50°	34846
55°	18569
60°	7655
65°	3181
70°	841
75°	318
80°	415
85°	472

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 39518 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1052.1	7.4
10°-20°	2798.4	19.6
20°-30°	3578.3	25.0
30°-40°	3154.7	22.1
40°-50°	2412.4	16.9
50°-60°	1114.2	7.8
60°-70°	174.4	1.2
70°-80°	13.2	0.1
80°-90°	4.4	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°	7428.8	51.9
0°-40°	10583.5	74.0
0°-60°	14110.1	98.7
0°-90°	14302.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14302.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11321	
5°	11181	###
15°	10006	2798
25°	7848	3578
35°	5016	3155
45°	3038	2412
55°	1166	1114
65°	147	174
75°	9	13
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	11321.3
2.5°	11265.1
5°	11180.8
7.5°	10995.5
10°	10702.2
12.5°	10377.6
15°	10005.7
17.5°	9564.2
20°	9048.5
22.5°	8484.5
25°	7847.5
27.5°	7161.0
30°	6427.4
32.5°	5701.6
35°	5016.3
37.5°	4415.3
40°	3879.4
42.5°	3400.8
45°	3037.9
47.5°	2923.3
50°	2452.5
52.5°	1845.9
55°	1166.2
57.5°	604.4
60°	419.1
62.5°	267.4
65°	147.2
67.5°	73.0
70°	31.5
72.5°	12.4
75°	9.0
77.5°	9.0
80°	7.9
82.5°	5.6
85°	4.5
87.5°	2.2
90°	0.0

(END OF REPORT)