

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: P1504589

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504589
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-28)
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-B-04-BLAK-PS (3500K_L18_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

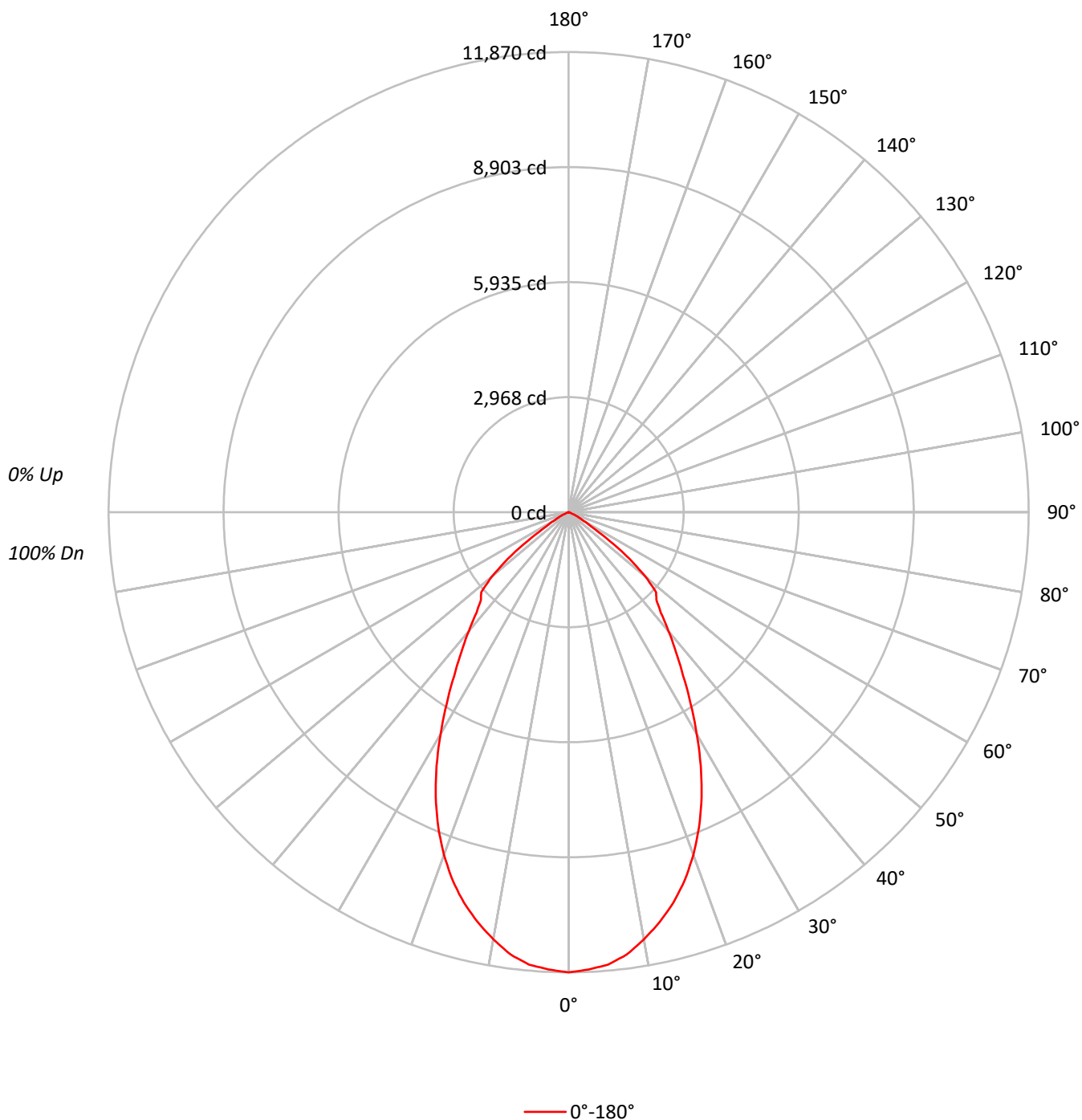
Lumens per Lamp: N/A
Luminaire Lumens: 14896.8 lumens
Efficiency: N/A
Efficacy: 123.4 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

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	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	77	72	80	75	71	78	74	70	76	73	69	68		
5	87	77	70	65	85	76	70	65	74	69	64	72	68	64	71	67	63	61		
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	49	59	53	49	58	53	49	57	52	49	47		
9	68	57	50	46	67	57	50	46	56	50	45	55	49	45	54	49	45	44		
10	65	53	47	42	63	53	47	42	52	46	42	51	46	42	50	45	42	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	102741
5°	101767
10°	98314
15°	93470
20°	86634
25°	77485
30°	66054
35°	54431
40°	45303
45°	39138
50°	34769
55°	19518
60°	7927
65°	3340
70°	886
75°	351
80°	409
85°	348

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 39217 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1101.3	7.4
10°-20°	2916.8	19.6
20°-30°	3699.2	24.8
30°-40°	3243.8	21.8
40°-50°	2518.0	16.9
50°-60°	1206.9	8.1
60°-70°	192.0	1.3
70°-80°	14.6	0.1
80°-90°	4.3	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°	7717.3	51.8
0°-40°	10961.1	73.6
0°-60°	14686.0	98.6
0°-90°	14896.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14896.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11870	
5°	11713	###
15°	10431	2917
25°	8113	3699
35°	5151	3244
45°	3197	2518
55°	1293	1207
65°	163	192
75°	10	15
85°	4	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11870.1
2.5°	11806.0
5°	11712.8
7.5°	11507.7
10°	11186.1
12.5°	10833.0
15°	10431.0
17.5°	9959.1
20°	9405.6
22.5°	8795.1
25°	8113.4
27.5°	7380.5
30°	6609.1
32.5°	5852.9
35°	5151.4
37.5°	4544.3
40°	4009.5
42.5°	3517.8
45°	3197.4
47.5°	3061.0
50°	2582.1
52.5°	1986.7
55°	1293.4
57.5°	670.0
60°	457.9
62.5°	294.8
65°	163.1
67.5°	80.4
70°	35.0
72.5°	14.0
75°	10.5
77.5°	9.3
80°	8.2
82.5°	5.8
85°	3.5
87.5°	2.3
90°	0.0

(END OF REPORT)