

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: P1504580

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504580
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

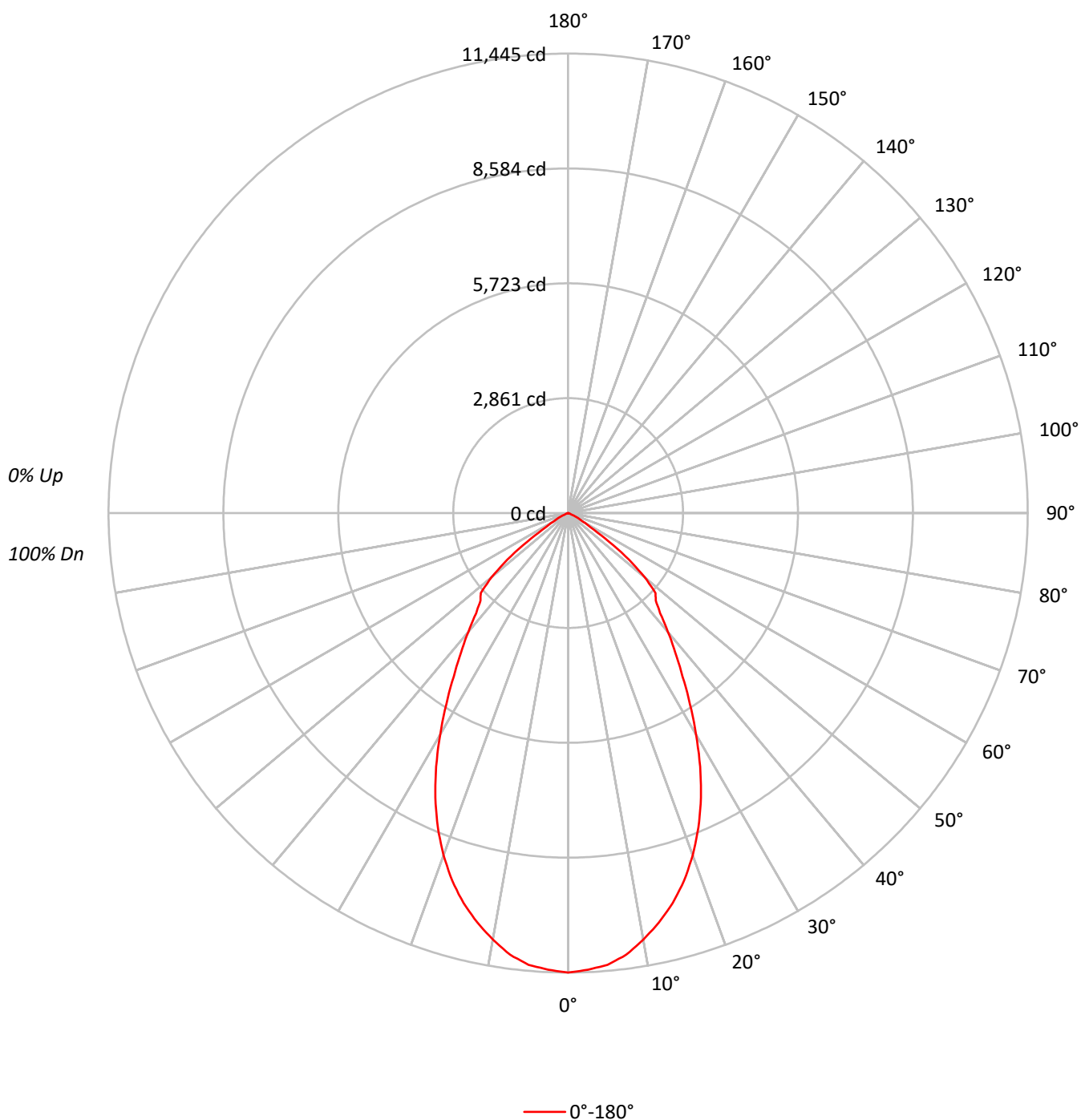
Lumens per Lamp: N/A
Luminaire Lumens: 14363.2 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 0.94 / 0.94 / 0.97
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 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				0
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°	99061
5°	98121
10°	94793
15°	90122
20°	83531
25°	74709
30°	63689
35°	52482
40°	43680
45°	37735
50°	33524
55°	18819
60°	7643
65°	3222
70°	853
75°	338
80°	394
85°	338

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 37812 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1061.9	7.4
10°-20°	2812.3	19.6
20°-30°	3566.7	24.8
30°-40°	3127.6	21.8
40°-50°	2427.8	16.9
50°-60°	1163.7	8.1
60°-70°	185.1	1.3
70°-80°	14.0	0.1
80°-90°	4.1	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°	7440.9	51.8
0°-40°	10568.5	73.6
0°-60°	14159.9	98.6
0°-90°	14363.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14363.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11445	
5°	11293	###
15°	10057	2812
25°	7823	3567
35°	4967	3128
45°	3083	2428
55°	1247	1164
65°	157	185
75°	10	14
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11444.9
2.5°	11383.1
5°	11293.2
7.5°	11095.5
10°	10785.4
12.5°	10445.0
15°	10057.4
17.5°	9602.4
20°	9068.7
22.5°	8480.0
25°	7822.8
27.5°	7116.1
30°	6372.4
32.5°	5643.2
35°	4966.9
37.5°	4381.6
40°	3865.9
42.5°	3391.8
45°	3082.8
47.5°	2951.4
50°	2489.6
52.5°	1915.5
55°	1247.1
57.5°	646.0
60°	441.5
62.5°	284.2
65°	157.3
67.5°	77.5
70°	33.7
72.5°	13.5
75°	10.1
77.5°	9.0
80°	7.9
82.5°	5.6
85°	3.4
87.5°	2.2
90°	0.0

(END OF REPORT)