

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: P1504760

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3000K_L18_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504760
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-52)
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-06-BLAK-PS (3000K_L18_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

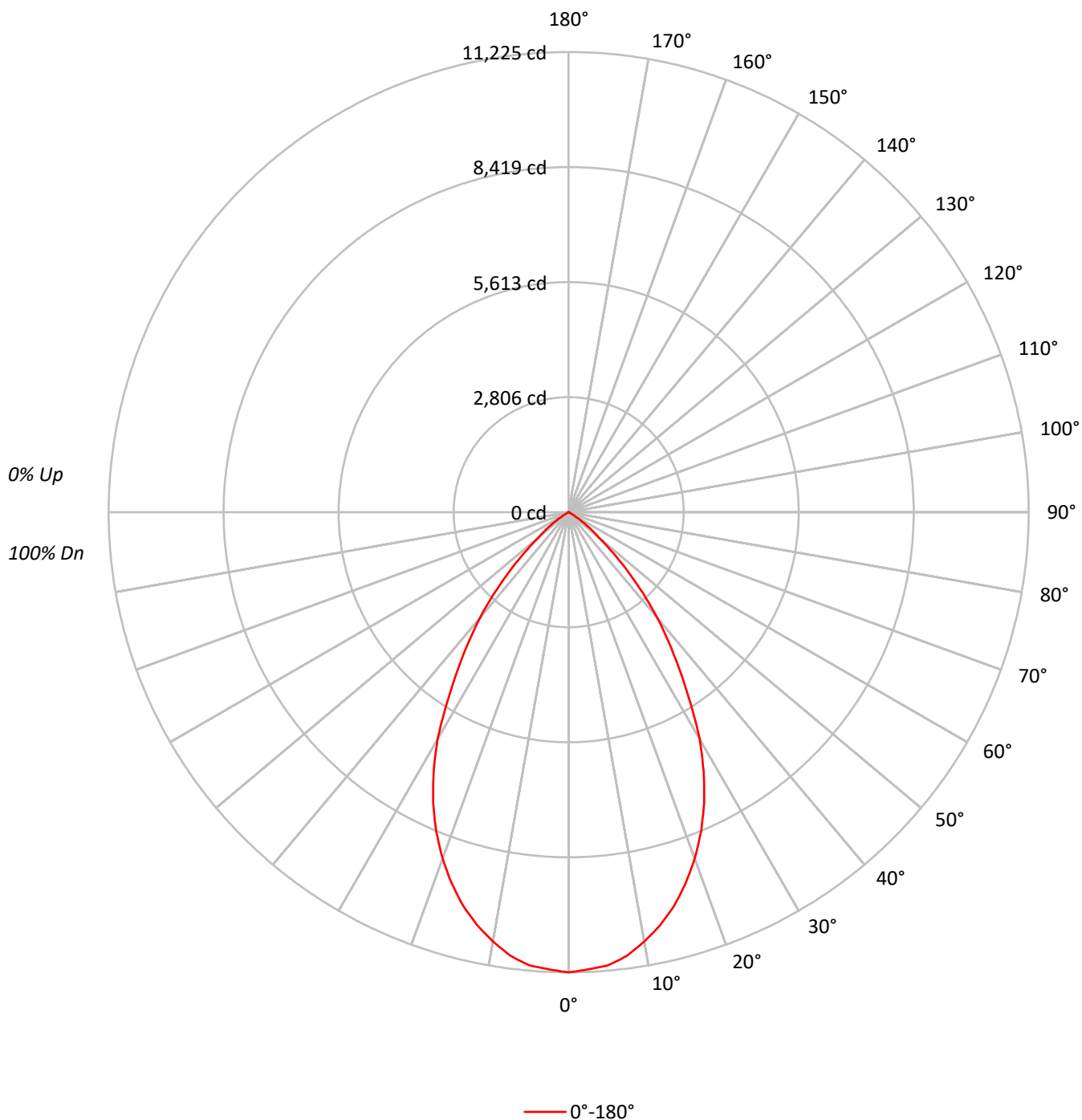
Lumens per Lamp: N/A
Luminaire Lumens: 12412.2 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 0.96 / 0.96 / 0.96
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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					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	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93			
2	107	102	97	93	105	100	96	92	97	93	90	93	91	88	91	89	87	85			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71			
5	90	80	74	69	88	79	74	69	78	72	68	76	71	68	74	70	67	66			
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60			
7	80	70	63	59	78	69	63	58	68	62	58	66	61	58	65	61	57	56			
8	75	65	59	54	74	65	58	54	63	58	54	62	57	54	61	57	53	52			
9	71	61	55	50	70	60	54	50	59	54	50	59	53	50	58	53	50	48			
10	68	57	51	47	67	57	51	47	56	50	47	55	50	46	54	50	46	45			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	91027
5°	90313
10°	87555
15°	83456
20°	77584
25°	69957
30°	59871
35°	46847
40°	35680
45°	23295
50°	12062
55°	6036
60°	1403
65°	495
70°	479
75°	492
80°	472
85°	521

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23295 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1044.1	8.4
10°-20°	2779.7	22.4
20°-30°	3560.6	28.7
30°-40°	2974.1	24.0
40°-50°	1589.6	12.8
50°-60°	406.4	3.3
60°-70°	35.5	0.3
70°-80°	16.2	0.1
80°-90°	6.0	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°	7384.5	59.5
0°-40°	10358.6	83.5
0°-60°	12354.6	99.5
0°-90°	12412.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12412.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	11225	
5°	11094	###
15°	9940	2780
25°	7818	3561
35°	4732	2974
45°	2031	1590
55°	427	406
65°	26	35
75°	16	16
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	11224.7
2.5°	11162.9
5°	11094.3
7.5°	10913.4
10°	10632.6
12.5°	10316.9
15°	9940.5
17.5°	9491.1
20°	8990.1
22.5°	8436.2
25°	7818.3
27.5°	7128.5
30°	6393.7
32.5°	5530.9
35°	4732.1
37.5°	4027.7
40°	3370.4
42.5°	2681.7
45°	2031.2
47.5°	1466.1
50°	956.1
52.5°	692.1
55°	426.9
57.5°	206.7
60°	86.5
62.5°	42.7
65°	25.8
67.5°	22.5
70°	20.2
72.5°	18.0
75°	15.7
77.5°	12.4
80°	10.1
82.5°	7.9
85°	5.6
87.5°	3.4
90°	0.0

(END OF REPORT)