

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: P1504617

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504617
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-30)
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 (6500K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

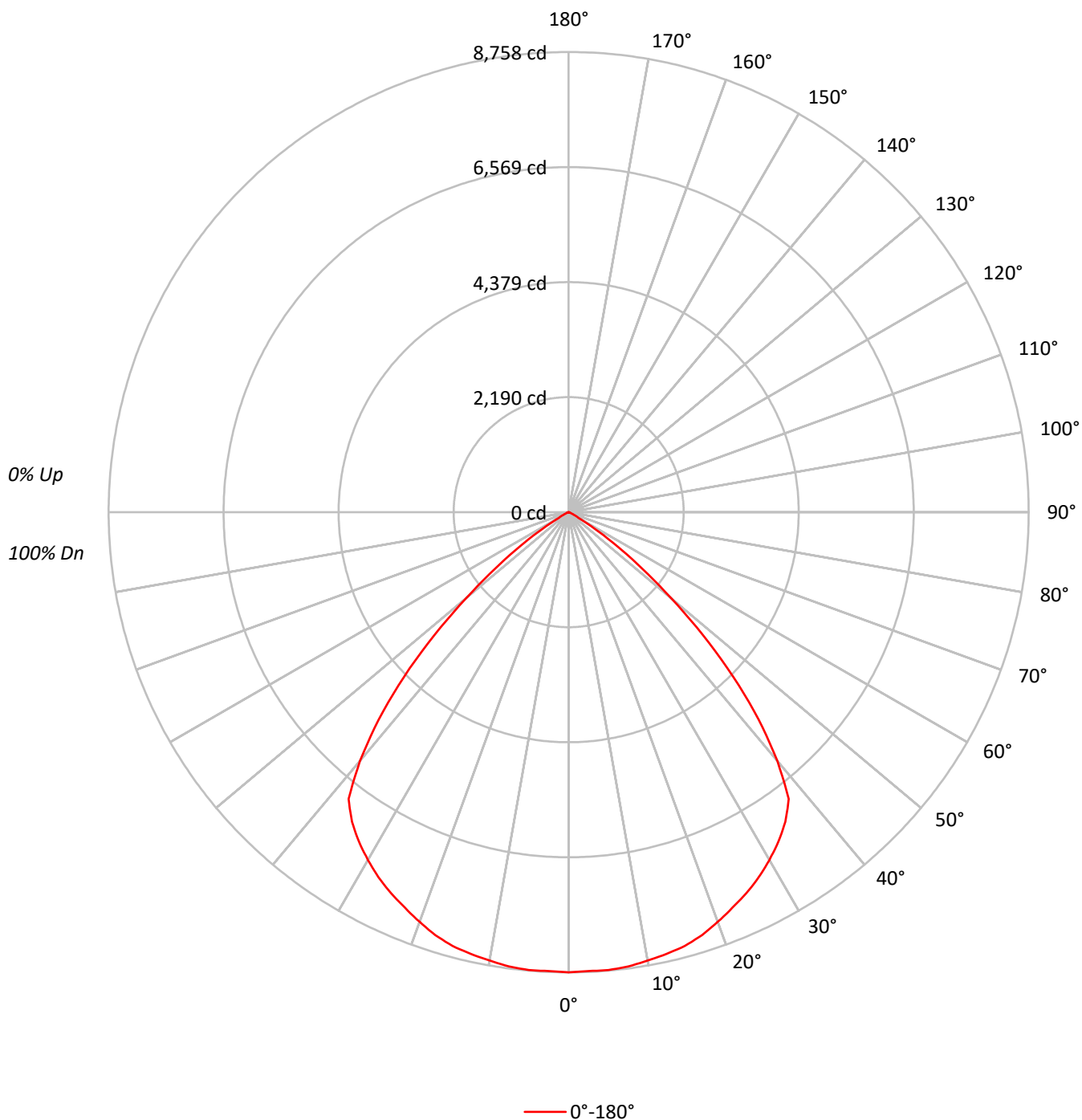
Lumens per Lamp: N/A
Luminaire Lumens: 15940.5 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.29
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 123.3
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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	81	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	45	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	75808
5°	75996
10°	76163
15°	76590
20°	76427
25°	76419
30°	76386
35°	75996
40°	69800
45°	54336
50°	34136
55°	16995
60°	3879
65°	1753
70°	714
75°	512
80°	583
85°	695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54336 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	832.3	5.2
10°-20°	2410.1	15.1
20°-30°	3689.2	23.1
30°-40°	4446.7	27.9
40°-50°	3371.1	21.1
50°-60°	1068.7	6.7
60°-70°	97.3	0.6
70°-80°	17.7	0.1
80°-90°	7.3	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°	6931.6	43.5
0°-40°	11378.3	71.4
0°-60°	15818.1	99.2
0°-90°	15940.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15940.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8758	
5°	8747	832
15°	8547	2410
25°	8002	3689
35°	7192	4447
45°	4439	3371
55°	1126	1069
65°	86	97
75°	15	18
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8758.4
2.5°	8740.8
5°	8746.7
7.5°	8722.0
10°	8665.7
12.5°	8611.8
15°	8547.3
17.5°	8440.5
20°	8297.4
22.5°	8148.4
25°	8001.8
27.5°	7836.4
30°	7642.8
32.5°	7432.8
35°	7192.3
37.5°	6881.4
40°	6177.6
42.5°	5355.2
45°	4439.0
47.5°	3463.0
50°	2535.1
52.5°	1766.7
55°	1126.2
57.5°	581.9
60°	224.1
62.5°	140.8
65°	85.6
67.5°	44.6
70°	28.2
72.5°	17.6
75°	15.3
77.5°	14.1
80°	11.7
82.5°	10.6
85°	7.0
87.5°	3.5
90°	0.0

(END OF REPORT)