

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: P1504597

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (4000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504597
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-29)
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 (4000K_L18_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

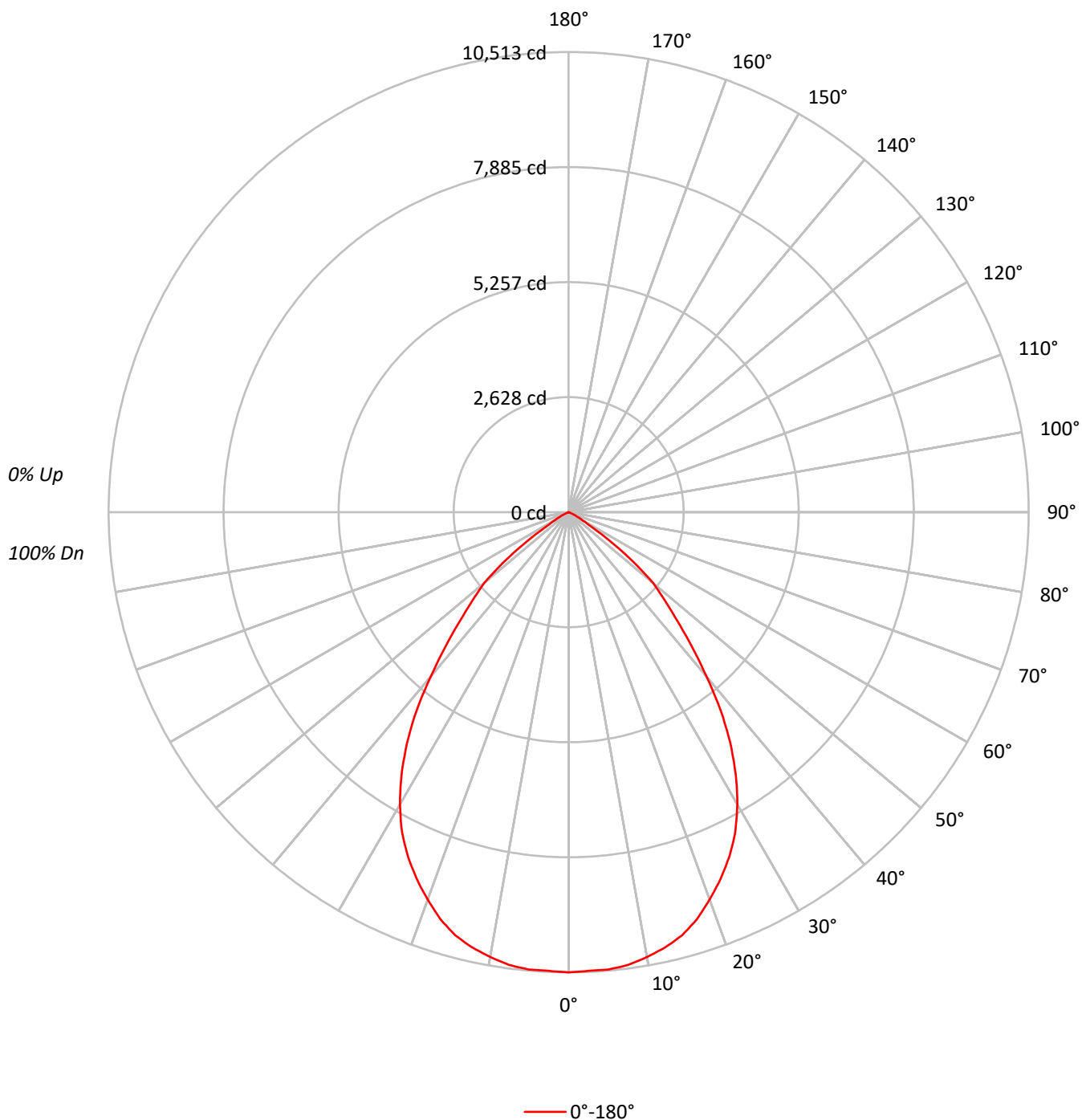
Lumens per Lamp: N/A
Luminaire Lumens: 15781.1 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.12
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 119.3
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	50	30	10
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	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76			74
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63			61
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57			55
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52			50
8	72	60	53	49	70	60	53	49	59	53	48	58	52	48	57	52	48			46
9	67	56	49	45	66	56	49	45	55	49	44	54	48	44	53	48	44			43
10	64	52	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	90997
5°	91108
10°	90689
15°	89673
20°	86761
25°	82948
30°	77061
35°	68043
40°	55354
45°	42901
50°	33856
55°	17367
60°	6066
65°	2628
70°	782
75°	398
80°	414
85°	477

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 42901 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	995.7	6.3
10°-20°	2808.5	17.8
20°-30°	3977.1	25.2
30°-40°	3979.4	25.2
40°-50°	2752.8	17.4
50°-60°	1099.6	7.0
60°-70°	148.1	0.9
70°-80°	14.9	0.1
80°-90°	5.0	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°	7781.3	49.3
0°-40°	11760.7	74.5
0°-60°	15613.0	98.9
0°-90°	15781.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15781.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10513	
5°	10486	996
15°	10007	2808
25°	8685	3977
35°	6440	3979
45°	3505	2753
55°	1151	1100
65°	128	148
75°	12	15
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10513.3
2.5°	10489.5
5°	10486.0
7.5°	10433.7
10°	10318.5
12.5°	10186.7
15°	10007.3
17.5°	9748.4
20°	9419.4
22.5°	9069.1
25°	8685.4
27.5°	8247.2
30°	7710.4
32.5°	7105.8
35°	6439.6
37.5°	5706.8
40°	4899.1
42.5°	4164.0
45°	3504.8
47.5°	2972.7
50°	2514.3
52.5°	1869.4
55°	1150.9
57.5°	540.4
60°	350.4
62.5°	223.3
65°	128.3
67.5°	62.9
70°	30.9
72.5°	14.3
75°	11.9
77.5°	10.7
80°	8.3
82.5°	7.1
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)