

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: P1504588

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3500K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504588
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 (3500K_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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

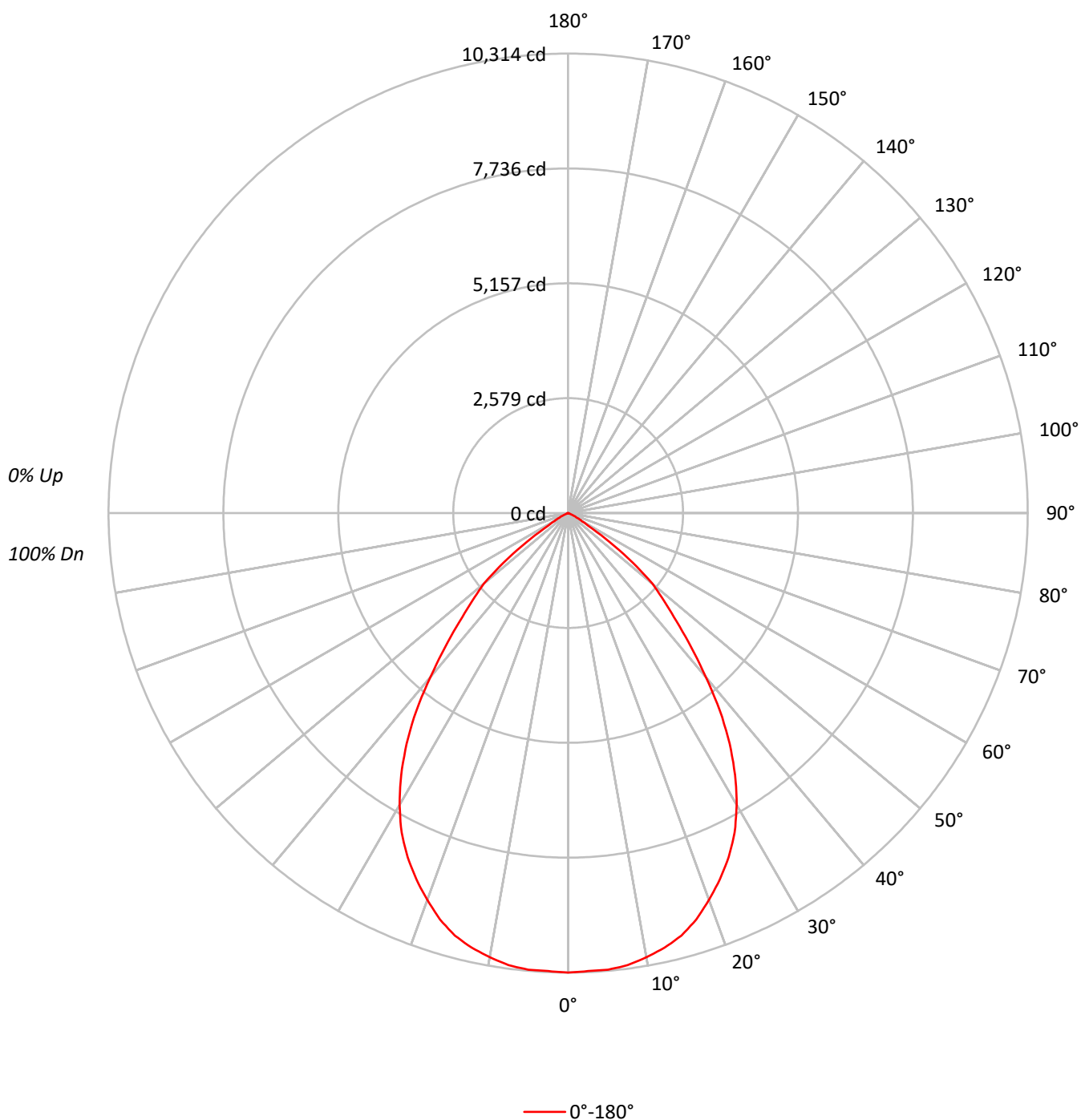
Lumens per Lamp: N/A
Luminaire Lumens: 15482.7 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.12
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	89277
5°	89385
10°	88974
15°	87978
20°	85121
25°	81379
30°	75604
35°	66756
40°	54308
45°	42091
50°	33217
55°	17038
60°	5950
65°	2576
70°	767
75°	391
80°	409
85°	467

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42091 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	976.9	6.3
10°-20°	2755.4	17.8
20°-30°	3901.9	25.2
30°-40°	3904.2	25.2
40°-50°	2700.7	17.4
50°-60°	1078.8	7.0
60°-70°	145.3	0.9
70°-80°	14.6	0.1
80°-90°	4.9	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°	7634.2	49.3
0°-40°	11538.3	74.5
0°-60°	15317.9	98.9
0°-90°	15482.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15482.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10314	
5°	10288	977
15°	9818	2755
25°	8521	3902
35°	6318	3904
45°	3439	2701
55°	1129	1079
65°	126	145
75°	12	15
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10314.5
2.5°	10291.2
5°	10287.7
7.5°	10236.4
10°	10123.4
12.5°	9994.1
15°	9818.1
17.5°	9564.1
20°	9241.3
22.5°	8897.6
25°	8521.2
27.5°	8091.3
30°	7564.6
32.5°	6971.5
35°	6317.8
37.5°	5598.9
40°	4806.5
42.5°	4085.3
45°	3438.6
47.5°	2916.5
50°	2466.8
52.5°	1834.1
55°	1129.1
57.5°	530.2
60°	343.7
62.5°	219.1
65°	125.8
67.5°	61.8
70°	30.3
72.5°	14.0
75°	11.7
77.5°	10.5
80°	8.2
82.5°	7.0
85°	4.7
87.5°	2.3
90°	0.0

(END OF REPORT)