

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: P1504767

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (3500K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504767
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-54)
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 (3500K_L16_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

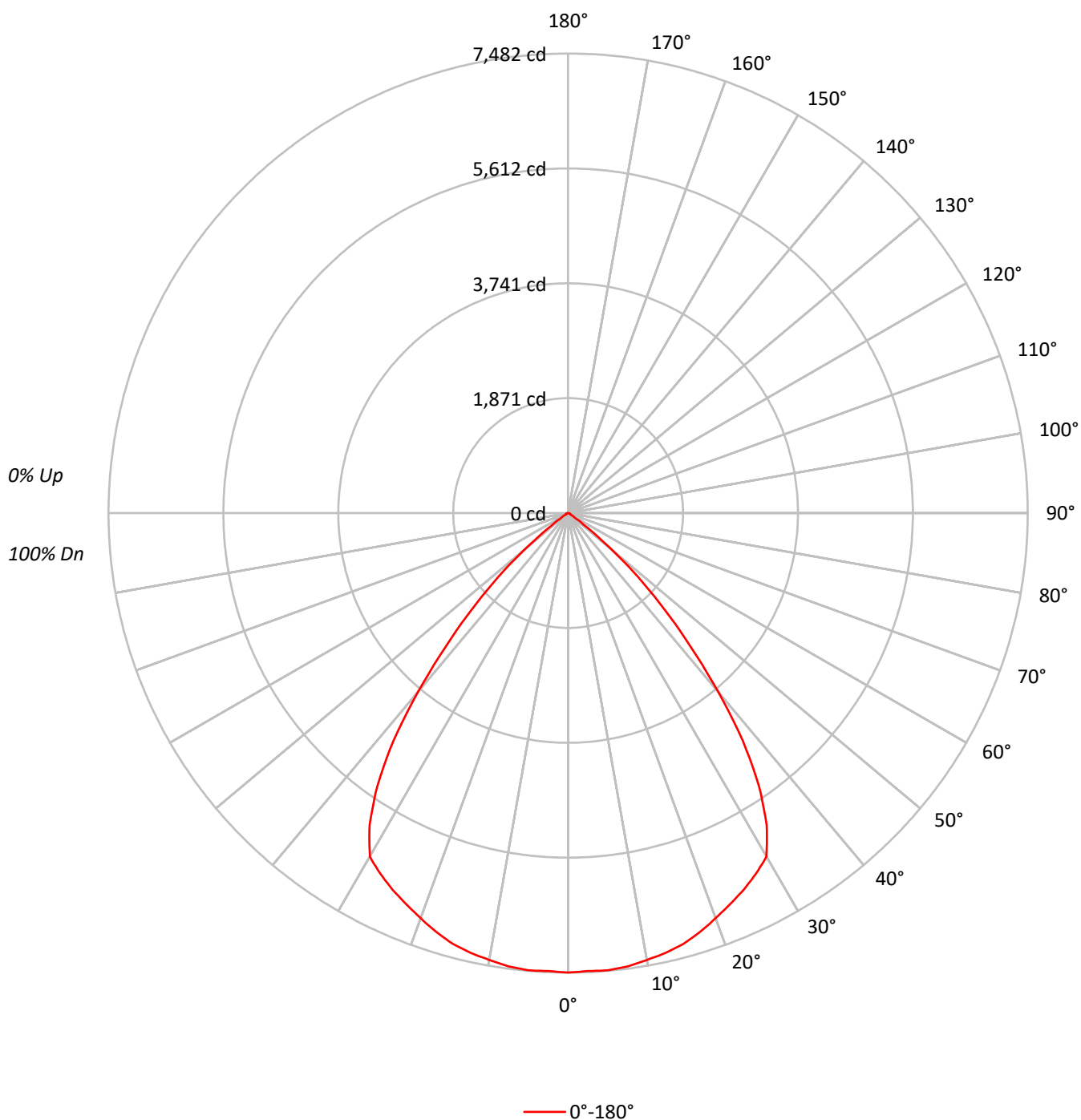
Lumens per Lamp: N/A
Luminaire Lumens: 11215.1 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.16
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 100.4
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	110	107	104	110	108	105	103	103	101	100	100	98	97	96	95	94			92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86			84
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78			76
4	94	85	79	74	92	84	78	74	82	77	73	80	75	72	78	74	71			69
5	88	79	72	67	86	78	71	67	76	70	66	74	69	66	72	68	65			63
6	83	73	66	61	81	72	65	61	70	65	60	69	64	60	67	63	59			58
7	78	67	60	56	76	67	60	56	65	59	55	64	59	55	63	58	55			53
8	73	63	56	51	72	62	55	51	61	55	51	60	54	50	59	54	50			49
9	69	58	52	47	68	58	51	47	57	51	47	56	50	47	55	50	46			45
10	65	54	48	43	64	54	48	43	53	47	43	52	47	43	51	46	43			41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	60675
5°	60834
10°	60837
15°	60952
20°	60582
25°	60532
30°	60473
35°	53568
40°	40185
45°	25449
50°	11645
55°	2333
60°	860
65°	595
70°	616
75°	627
80°	607
85°	558

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 25449 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	710.5	6.3
10°-20°	2046.2	18.2
20°-30°	3118.7	27.8
30°-40°	3300.5	29.4
40°-50°	1725.8	15.4
50°-60°	252.0	2.2
60°-70°	34.0	0.3
70°-80°	20.7	0.2
80°-90°	6.7	0.1
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°	5875.4	52.4
0°-40°	9175.9	81.8
0°-60°	11153.8	99.5
0°-90°	11215.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11215.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7482	
5°	7473	711
15°	7260	2046
25°	6765	3119
35°	5411	3301
45°	2219	1726
55°	165	252
65°	31	34
75°	20	21
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7482
2.5°	7464
5°	7473
7.5°	7446
10°	7388
12.5°	7336
15°	7260
17.5°	7149
20°	7020
22.5°	6890
25°	6765
27.5°	6622
30°	6458
32.5°	6017
35°	5411
37.5°	4669
40°	3796
42.5°	2949
45°	2219
47.5°	1542
50°	923
52.5°	401
55°	165
57.5°	99
60°	53
62.5°	39
65°	31
67.5°	28
70°	26
72.5°	23
75°	20
77.5°	16
80°	13
82.5°	9
85°	6
87.5°	3
90°	0

(END OF REPORT)