

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: P1504405

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504405
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-41)
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-A-06-BLAK-PS (3500K_L16_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

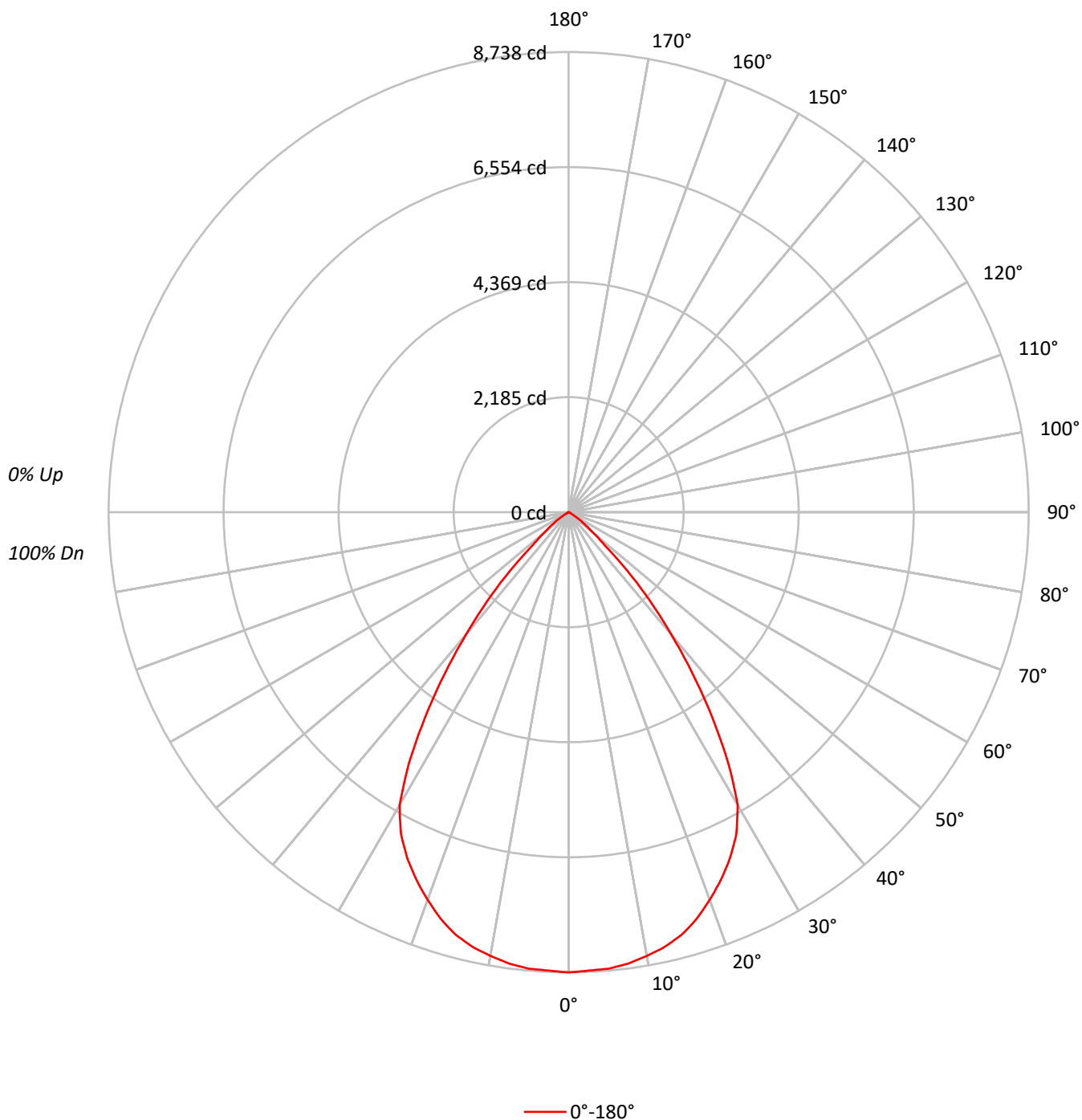
Lumens per Lamp: N/A
Luminaire Lumens: 10966.1 lumens
Efficiency: N/A
Efficacy: 109.2 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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	94	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	73	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	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56								
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	56	53	52								
9	71	61	54	50	70	60	54	50	59	54	50	58	53	49	57	53	49	48								
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71778
5°	71747
10°	71351
15°	70636
20°	68465
25°	65712
30°	60914
35°	47603
40°	32491
45°	18215
50°	7834
55°	3709
60°	904
65°	447
70°	504
75°	540
80°	568
85°	566

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18215 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	825.8	7.5
10°-20°	2331.2	21.3
20°-30°	3317.4	30.3
30°-40°	2938.9	26.8
40°-50°	1250.5	11.4
50°-60°	249.1	2.3
60°-70°	28.6	0.3
70°-80°	17.8	0.2
80°-90°	6.8	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°	6474.4	59.0
0°-40°	9413.3	85.8
0°-60°	10912.9	99.5
0°-90°	10966.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10966.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8738	
5°	8701	826
15°	8306	2331
25°	7250	3317
35°	4747	2939
45°	1568	1250
55°	259	249
65°	23	29
75°	17	18
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8738
2.5°	8712
5°	8701
7.5°	8647
10°	8554
12.5°	8452
15°	8306
17.5°	8092
20°	7832
22.5°	7557
25°	7250
27.5°	6895
30°	6422
32.5°	5639
35°	4747
37.5°	3870
40°	3030
42.5°	2284
45°	1568
47.5°	924
50°	613
52.5°	412
55°	259
57.5°	127
60°	55
62.5°	33
65°	23
67.5°	22
70°	21
72.5°	19
75°	17
77.5°	15
80°	12
82.5°	10
85°	6
87.5°	3
90°	0

(END OF REPORT)