

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: P1504432

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (6500K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504432
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 (6500K_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

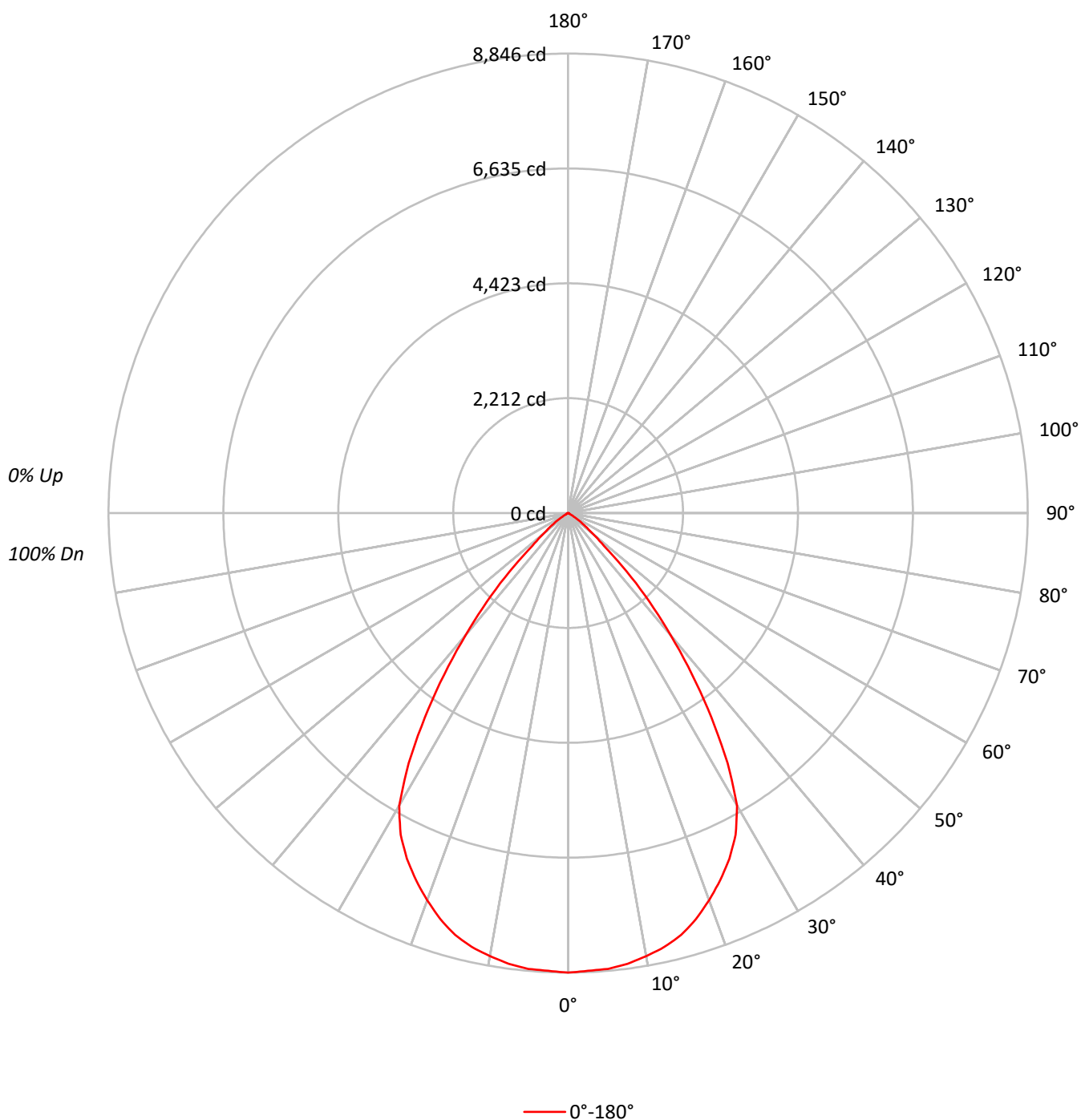
Lumens per Lamp: N/A
Luminaire Lumens: 11101.9 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 102.5
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	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°	72668
5°	72636
10°	72235
15°	71511
20°	69313
25°	66525
30°	61669
35°	48193
40°	32893
45°	18441
50°	7931
55°	3755
60°	915
65°	453
70°	512
75°	546
80°	572
85°	575

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18441 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	836.0	7.5
10°-20°	2360.1	21.3
20°-30°	3358.5	30.3
30°-40°	2975.3	26.8
40°-50°	1266.0	11.4
50°-60°	252.1	2.3
60°-70°	29.0	0.3
70°-80°	18.0	0.2
80°-90°	6.9	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°	6554.6	59.0
0°-40°	9529.9	85.8
0°-60°	11048.0	99.5
0°-90°	11101.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11101.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8846	
5°	8809	836
15°	8409	2360
25°	7340	3358
35°	4806	2975
45°	1587	1266
55°	262	252
65°	23	29
75°	17	18
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8846.3
2.5°	8819.9
5°	8808.8
7.5°	8754.1
10°	8660.0
12.5°	8556.7
15°	8408.9
17.5°	8192.3
20°	7929.0
22.5°	7650.6
25°	7339.8
27.5°	6980.4
30°	6501.6
32.5°	5708.9
35°	4805.8
37.5°	3917.9
40°	3067.5
42.5°	2312.3
45°	1587.4
47.5°	935.4
50°	620.6
52.5°	417.1
55°	262.2
57.5°	128.6
60°	55.7
62.5°	33.4
65°	23.3
67.5°	22.3
70°	21.3
72.5°	19.2
75°	17.2
77.5°	15.2
80°	12.1
82.5°	10.1
85°	6.1
87.5°	3.0
90°	0.0

(END OF REPORT)