

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: P1504786

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-06-BLAK-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504786
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-53)
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 (5000K_L18_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

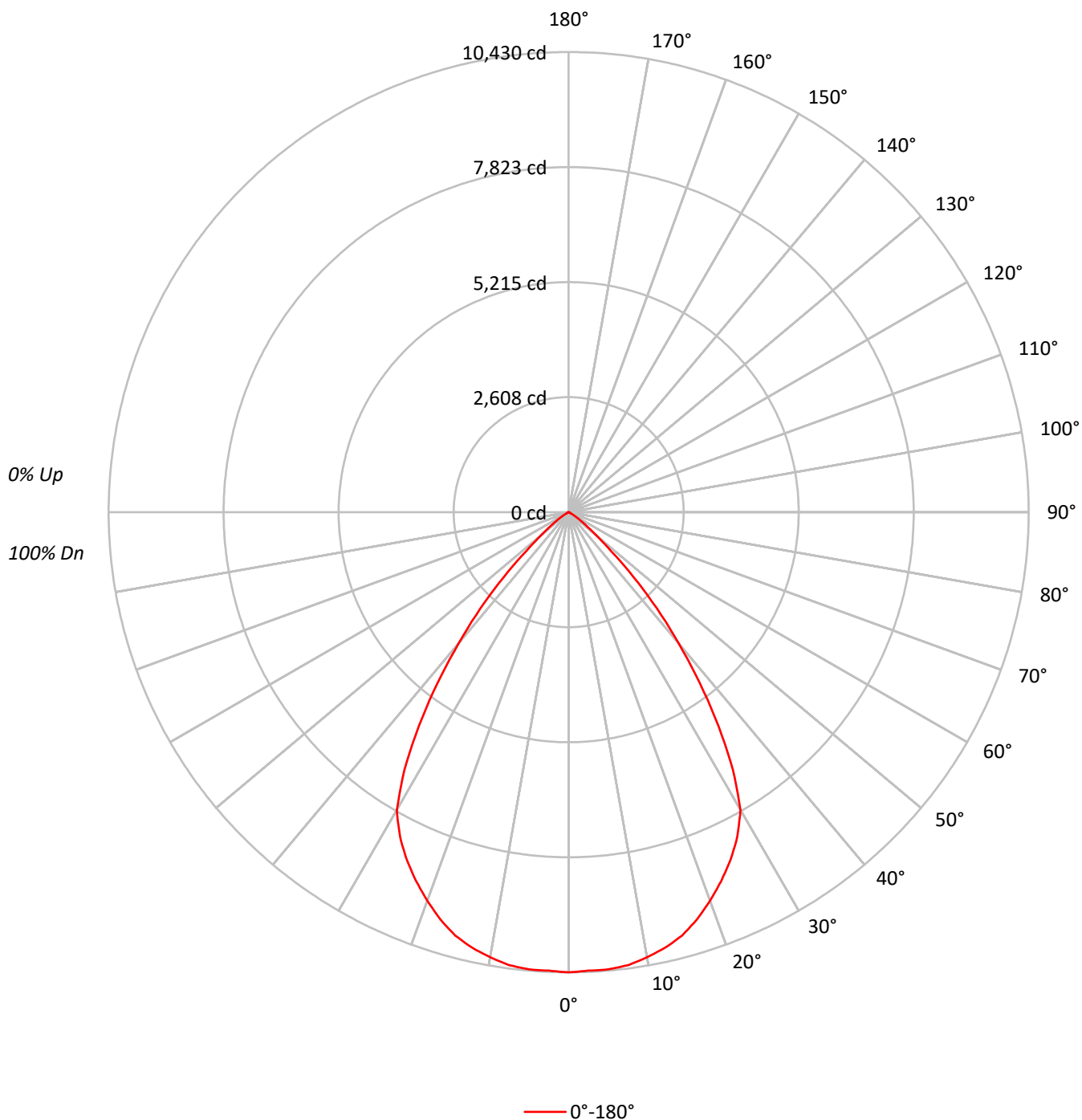
Lumens per Lamp: N/A
Luminaire Lumens: 13445.9 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.06
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

Input Watts (W): 120.1
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	110	108	105	103	104	102	100	100	98	97	97	95	94	92		
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85		
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78		
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71		
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65		
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60		
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55		
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51		
9	71	60	54	49	70	60	54	49	59	53	49	58	53	49	57	52	49	47		
10	67	56	50	46	66	56	50	46	55	50	46	54	49	45	54	49	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	84578
5°	84677
10°	84354
15°	83400
20°	80861
25°	77743
30°	72950
35°	58631
40°	40982
45°	23950
50°	10077
55°	4690
60°	1262
65°	597
70°	624
75°	639
80°	616
85°	670

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 23950 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	988.0	7.3
10°-20°	2788.8	20.7
20°-30°	3982.2	29.6
30°-40°	3651.7	27.2
40°-50°	1647.5	12.3
50°-60°	320.3	2.4
60°-70°	38.8	0.3
70°-80°	21.0	0.2
80°-90°	7.7	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°	7759.0	57.7
0°-40°	11410.6	84.9
0°-60°	13378.4	99.5
0°-90°	13445.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13445.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10430	
5°	10402	988
15°	9934	2789
25°	8688	3982
35°	5922	3652
45°	2088	1648
55°	332	320
65°	31	39
75°	20	21
85°	7	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10429.5
2.5°	10400.8
5°	10402.0
7.5°	10354.1
10°	10243.9
12.5°	10112.2
15°	9933.8
17.5°	9677.5
20°	9369.8
22.5°	9042.9
25°	8688.5
27.5°	8283.7
30°	7790.4
32.5°	6927.1
35°	5922.4
37.5°	4881.9
40°	3871.3
42.5°	2957.6
45°	2088.3
47.5°	1301.6
50°	798.7
52.5°	511.3
55°	331.7
57.5°	173.6
60°	77.8
62.5°	45.5
65°	31.1
67.5°	28.7
70°	26.3
72.5°	22.8
75°	20.4
77.5°	16.8
80°	13.2
82.5°	10.8
85°	7.2
87.5°	3.6
90°	0.0

(END OF REPORT)