

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: P1504591

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504591
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 (4000K_L12_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

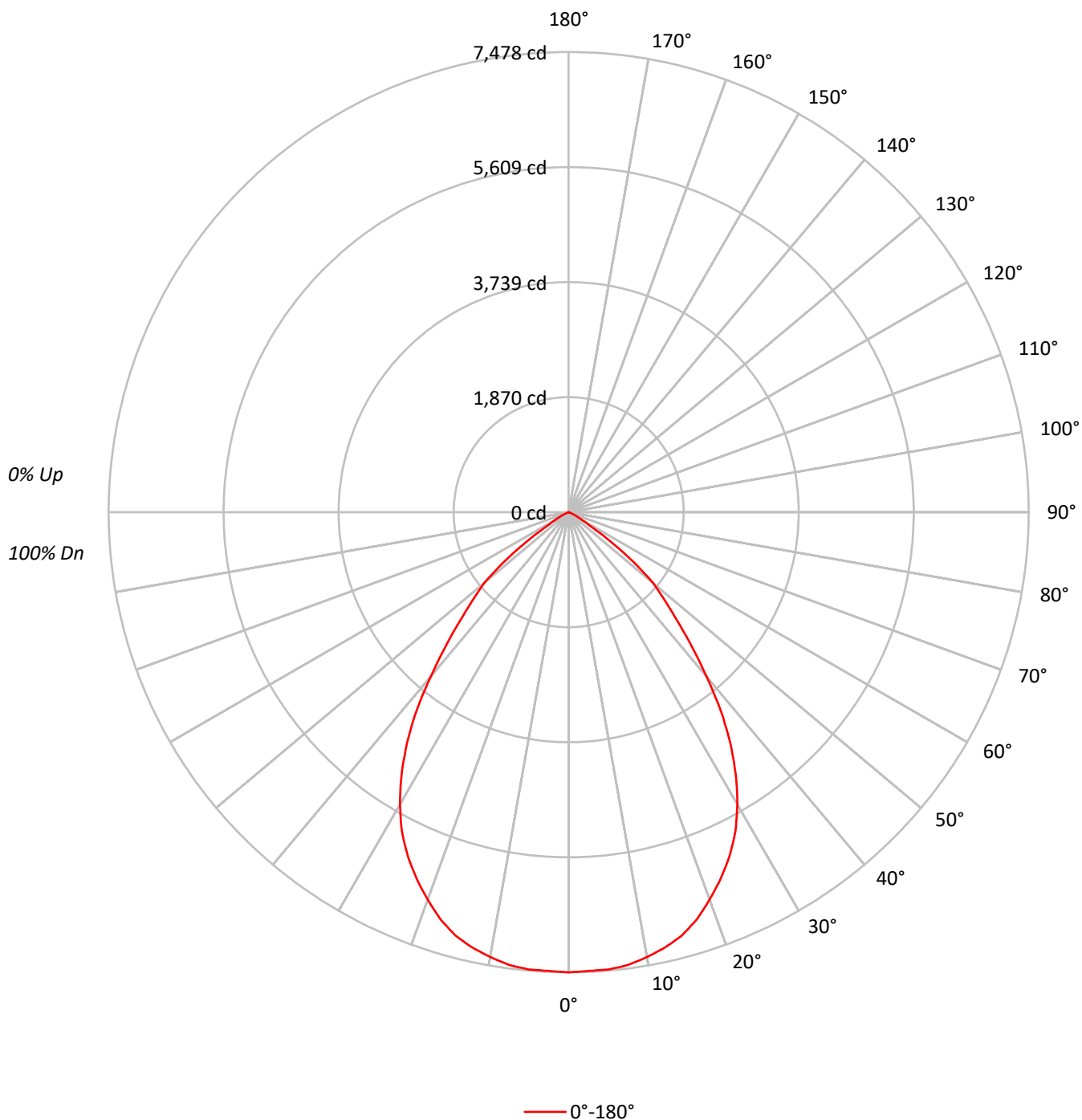
Lumens per Lamp: N/A
Luminaire Lumens: 11225.6 lumens
Efficiency: N/A
Efficacy: 139.1 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.12
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 80.7
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°	64730
5°	64808
10°	64510
15°	63788
20°	61717
25°	59004
30°	54817
35°	48401
40°	39375
45°	30517
50°	24083
55°	12353
60°	4314
65°	1868
70°	557
75°	281
80°	294
85°	338

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 30517 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	708.3	6.3
10°-20°	1997.8	17.8
20°-30°	2829.1	25.2
30°-40°	2830.7	25.2
40°-50°	1958.1	17.4
50°-60°	782.2	7.0
60°-70°	105.4	0.9
70°-80°	10.5	0.1
80°-90°	3.6	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°	5535.1	49.3
0°-40°	8365.8	74.5
0°-60°	11106.1	98.9
0°-90°	11225.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11225.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7478	
5°	7459	708
15°	7119	1998
25°	6178	2829
35°	4581	2831
45°	2493	1958
55°	819	782
65°	91	105
75°	8	11
85°	3	4
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7478.5
2.5°	7461.6
5°	7459.0
7.5°	7421.9
10°	7339.9
12.5°	7246.1
15°	7118.6
17.5°	6934.4
20°	6700.4
22.5°	6451.1
25°	6178.3
27.5°	5866.5
30°	5484.7
32.5°	5054.6
35°	4580.7
37.5°	4059.4
40°	3484.9
42.5°	2962.0
45°	2493.1
47.5°	2114.6
50°	1788.5
52.5°	1329.8
55°	818.6
57.5°	384.4
60°	249.2
62.5°	158.8
65°	91.2
67.5°	44.8
70°	22.0
72.5°	10.1
75°	8.4
77.5°	7.6
80°	5.9
82.5°	5.1
85°	3.4
87.5°	1.7
90°	0.0

(END OF REPORT)