

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: P1504573

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504573
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

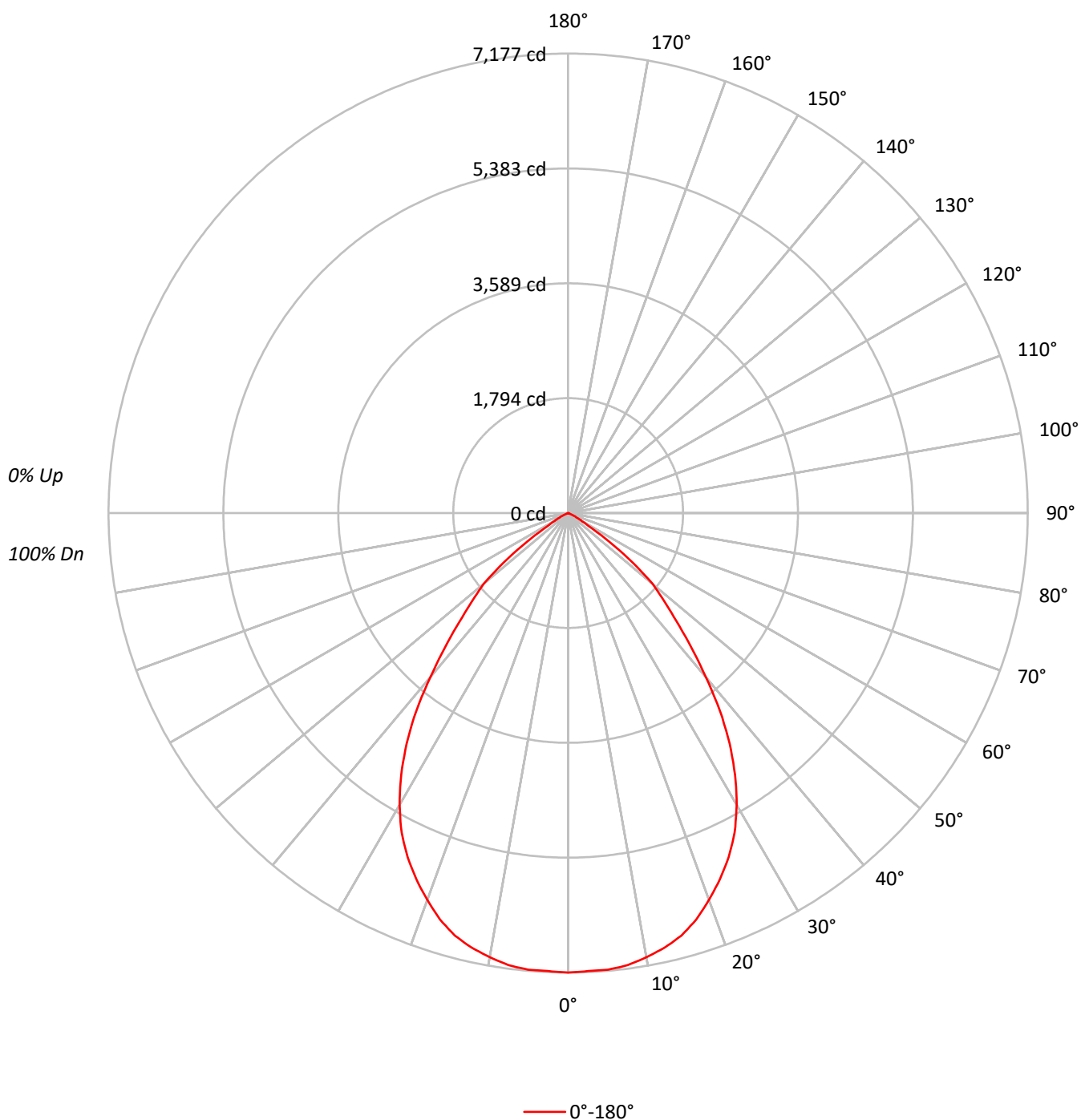
Lumens per Lamp: N/A
Luminaire Lumens: 10773.6 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.12
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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	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°	62123
5°	62198
10°	61913
15°	61219
20°	59232
25°	56628
30°	52609
35°	46452
40°	37790
45°	29288
50°	23113
55°	11856
60°	4141
65°	1794
70°	534
75°	271
80°	284
85°	318

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 29288 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	679.8	6.3
10°-20°	1917.3	17.8
20°-30°	2715.2	25.2
30°-40°	2716.7	25.2
40°-50°	1879.3	17.4
50°-60°	750.7	7.0
60°-70°	101.1	0.9
70°-80°	10.1	0.1
80°-90°	3.4	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°	5312.3	49.3
0°-40°	8028.9	74.5
0°-60°	10658.9	98.9
0°-90°	10773.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10773.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7177	
5°	7159	680
15°	6832	1917
25°	5930	2715
35°	4396	2717
45°	2393	1879
55°	786	751
65°	88	101
75°	8	10
85°	3	3
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7177.3
2.5°	7161.1
5°	7158.7
7.5°	7123.0
10°	7044.4
12.5°	6954.4
15°	6831.9
17.5°	6655.2
20°	6430.6
22.5°	6191.4
25°	5929.5
27.5°	5630.3
30°	5263.8
32.5°	4851.1
35°	4396.2
37.5°	3896.0
40°	3344.6
42.5°	2842.7
45°	2392.7
47.5°	2029.5
50°	1716.5
52.5°	1276.2
55°	785.7
57.5°	368.9
60°	239.2
62.5°	152.4
65°	87.6
67.5°	43.0
70°	21.1
72.5°	9.7
75°	8.1
77.5°	7.3
80°	5.7
82.5°	4.9
85°	3.2
87.5°	1.6
90°	0.0

(END OF REPORT)