

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: P1504224

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504224
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-18)
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-04-BLAK-PS (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

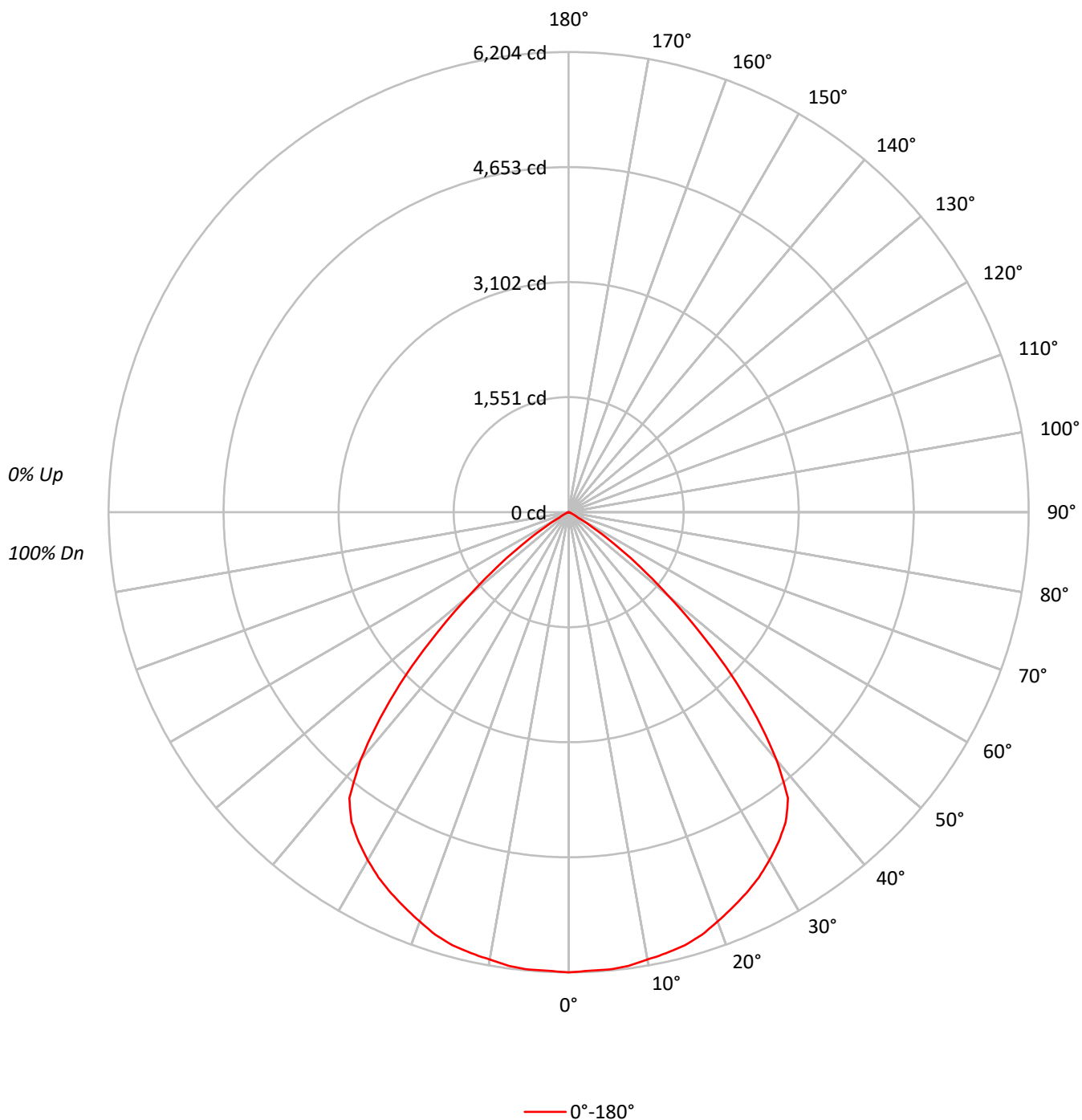
Lumens per Lamp: N/A
Luminaire Lumens: 11235.3 lumens
Efficiency: N/A
Efficacy: 137.5 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	91	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	83	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	73	67	62	71	66	62	69	65	61	59		
6	80	69	62	57	78	68	61	56	67	61	56	65	60	56	64	59	55	53		
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	51	46	56	50	46	55	49	46	44		
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56664
5°	56750
10°	56795
15°	57165
20°	57084
25°	57102
30°	57131
35°	56895
40°	52043
45°	40154
50°	25018
55°	12305
60°	2742
65°	1243
70°	489
75°	353
80°	437
85°	608

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.8	5.2
10°-20°	1704.9	15.2
20°-30°	2613.0	23.3
30°-40°	3148.3	28.0
40°-50°	2362.6	21.0
50°-60°	735.2	6.5
60°-70°	65.2	0.6
70°-80°	11.9	0.1
80°-90°	5.4	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°	4906.7	43.7
0°-40°	8055.0	71.7
0°-60°	11152.9	99.3
0°-90°	11235.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11235.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6204	
5°	6190	589
15°	6046	1705
25°	5667	2613
35°	5103	3148
45°	3109	2363
55°	773	735
65°	58	65
75°	10	12
85°	6	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6204.4
2.5°	6187.7
5°	6190.2
7.5°	6168.5
10°	6124.3
12.5°	6089.3
15°	6046.0
17.5°	5973.4
20°	5873.4
22.5°	5770.0
25°	5666.6
27.5°	5551.6
30°	5417.4
32.5°	5269.0
35°	5103.1
37.5°	4858.0
40°	4365.2
42.5°	3761.6
45°	3108.9
47.5°	2413.6
50°	1760.8
52.5°	1223.9
55°	772.8
57.5°	388.5
60°	150.1
62.5°	94.2
65°	57.5
67.5°	30.0
70°	18.3
72.5°	11.7
75°	10.0
77.5°	10.0
80°	8.3
82.5°	7.5
85°	5.8
87.5°	2.5
90°	0.0

(END OF REPORT)