

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: P1504233

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504233
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 (4000K_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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

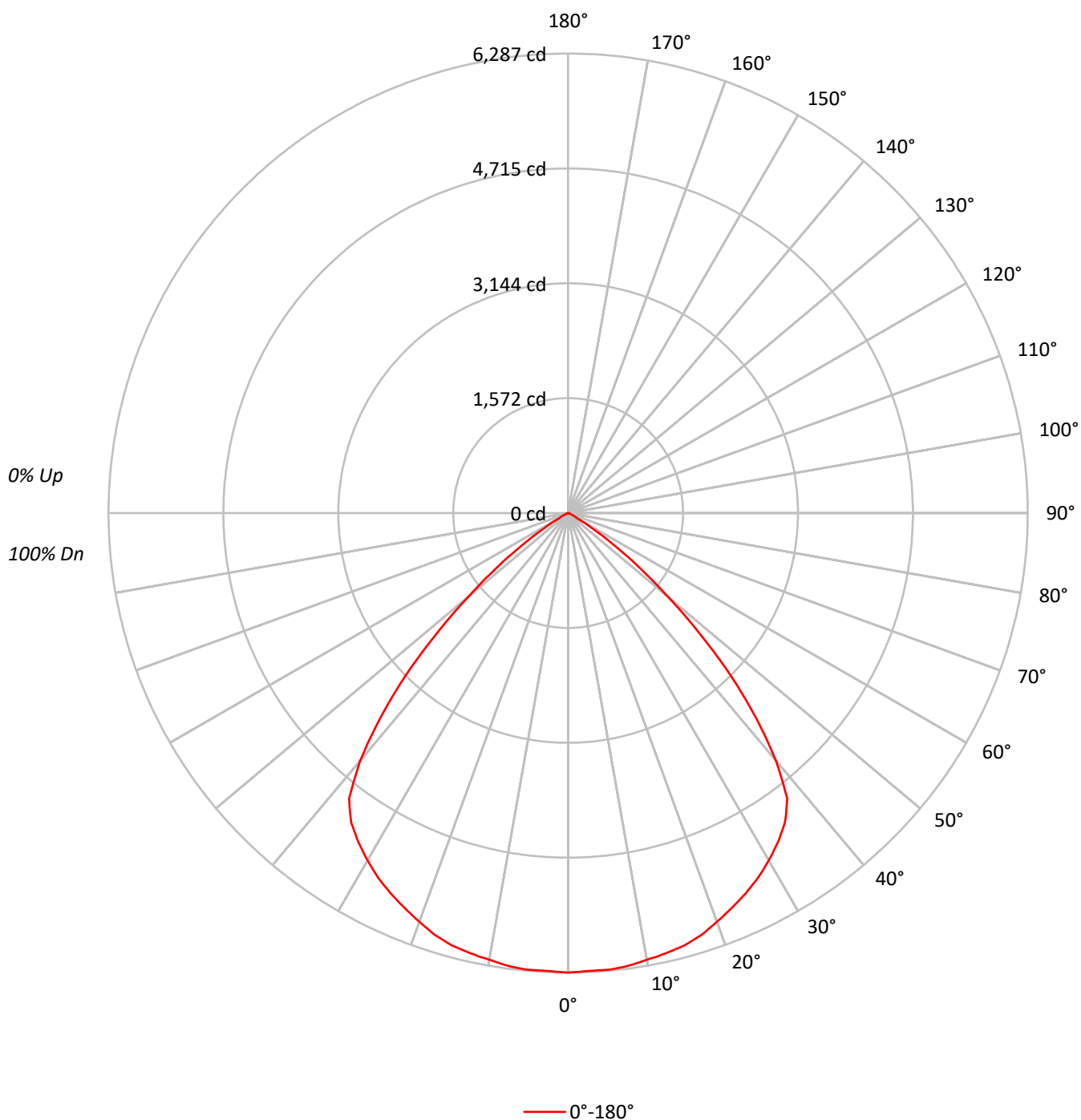
Lumens per Lamp: N/A
Luminaire Lumens: 11385.4 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	57420
5°	57509
10°	57554
15°	57928
20°	57846
25°	57865
30°	57893
35°	57655
40°	52738
45°	40690
50°	25352
55°	12471
60°	2778
65°	1260
70°	497
75°	356
80°	442
85°	618

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40690 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.6	5.2
10°-20°	1727.7	15.2
20°-30°	2647.9	23.3
30°-40°	3190.4	28.0
40°-50°	2394.2	21.0
50°-60°	745.1	6.5
60°-70°	66.0	0.6
70°-80°	12.0	0.1
80°-90°	5.5	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°	4972.2	43.7
0°-40°	8162.6	71.7
0°-60°	11301.8	99.3
0°-90°	11385.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11385.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6287	
5°	6273	597
15°	6127	1728
25°	5742	2648
35°	5171	3190
45°	3150	2394
55°	783	745
65°	58	66
75°	10	12
85°	6	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6287.2
2.5°	6270.4
5°	6272.9
7.5°	6250.9
10°	6206.1
12.5°	6170.7
15°	6126.7
17.5°	6053.2
20°	5951.8
22.5°	5847.1
25°	5742.3
27.5°	5625.7
30°	5489.7
32.5°	5339.3
35°	5171.2
37.5°	4922.8
40°	4423.5
42.5°	3811.9
45°	3150.4
47.5°	2445.8
50°	1784.3
52.5°	1240.2
55°	783.2
57.5°	393.7
60°	152.1
62.5°	95.5
65°	58.3
67.5°	30.4
70°	18.6
72.5°	11.8
75°	10.1
77.5°	10.1
80°	8.4
82.5°	7.6
85°	5.9
87.5°	2.5
90°	0.0

(END OF REPORT)