

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: P1504248

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (5000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504248
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 (5000K_L18_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

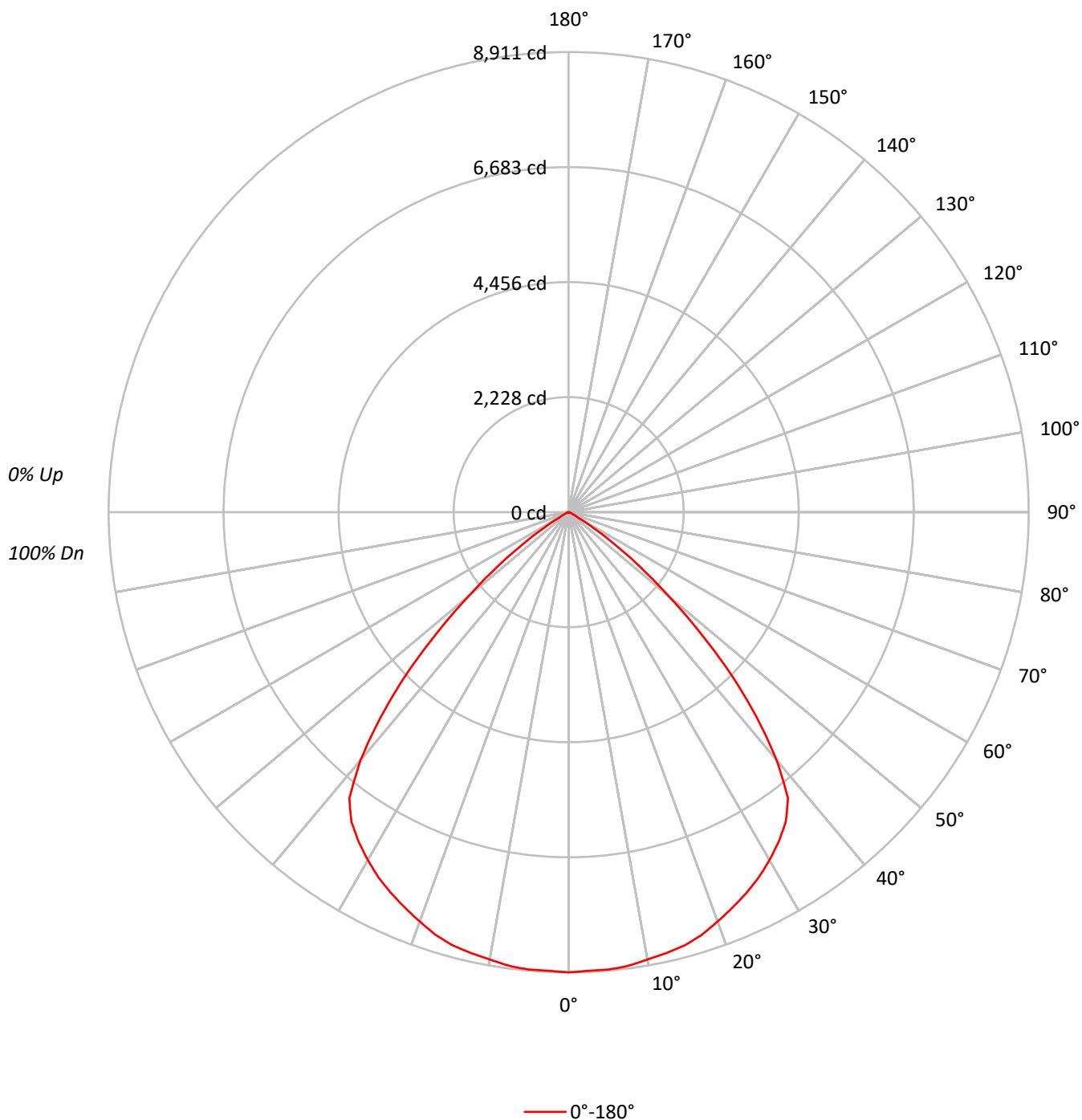
Lumens per Lamp: N/A
Luminaire Lumens: 16137.1 lumens
Efficiency: N/A
Efficacy: 134.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	81385
5°	81509
10°	81574
15°	82105
20°	81988
25°	82016
30°	82054
35°	81717
40°	74748
45°	57672
50°	35931
55°	17674
60°	3936
65°	1785
70°	702
75°	508
80°	631
85°	880

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 57672 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	845.6	5.2
10°-20°	2448.7	15.2
20°-30°	3753.0	23.3
30°-40°	4521.9	28.0
40°-50°	3393.4	21.0
50°-60°	1056.0	6.5
60°-70°	93.6	0.6
70°-80°	17.1	0.1
80°-90°	7.8	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°	7047.3	43.7
0°-40°	11569.2	71.7
0°-60°	16018.6	99.3
0°-90°	16137.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16137.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8911	
5°	8891	846
15°	8684	2449
25°	8139	3753
35°	7329	4522
45°	4465	3393
55°	1110	1056
65°	83	94
75°	14	17
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8911.2
2.5°	8887.2
5°	8890.8
7.5°	8859.7
10°	8796.2
12.5°	8745.9
15°	8683.7
17.5°	8579.5
20°	8435.8
22.5°	8287.3
25°	8138.9
27.5°	7973.6
30°	7780.8
32.5°	7567.7
35°	7329.4
37.5°	6977.4
40°	6269.7
42.5°	5402.8
45°	4465.2
47.5°	3466.5
50°	2528.9
52.5°	1757.8
55°	1110.0
57.5°	558.0
60°	215.5
62.5°	135.3
65°	82.6
67.5°	43.1
70°	26.3
72.5°	16.8
75°	14.4
77.5°	14.4
80°	12.0
82.5°	10.8
85°	8.4
87.5°	3.6
90°	0.0

(END OF REPORT)