

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: P1504246

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (5000K_L18_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504246
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-17)
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_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 18,000 LUMENS
Light Source: 5000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

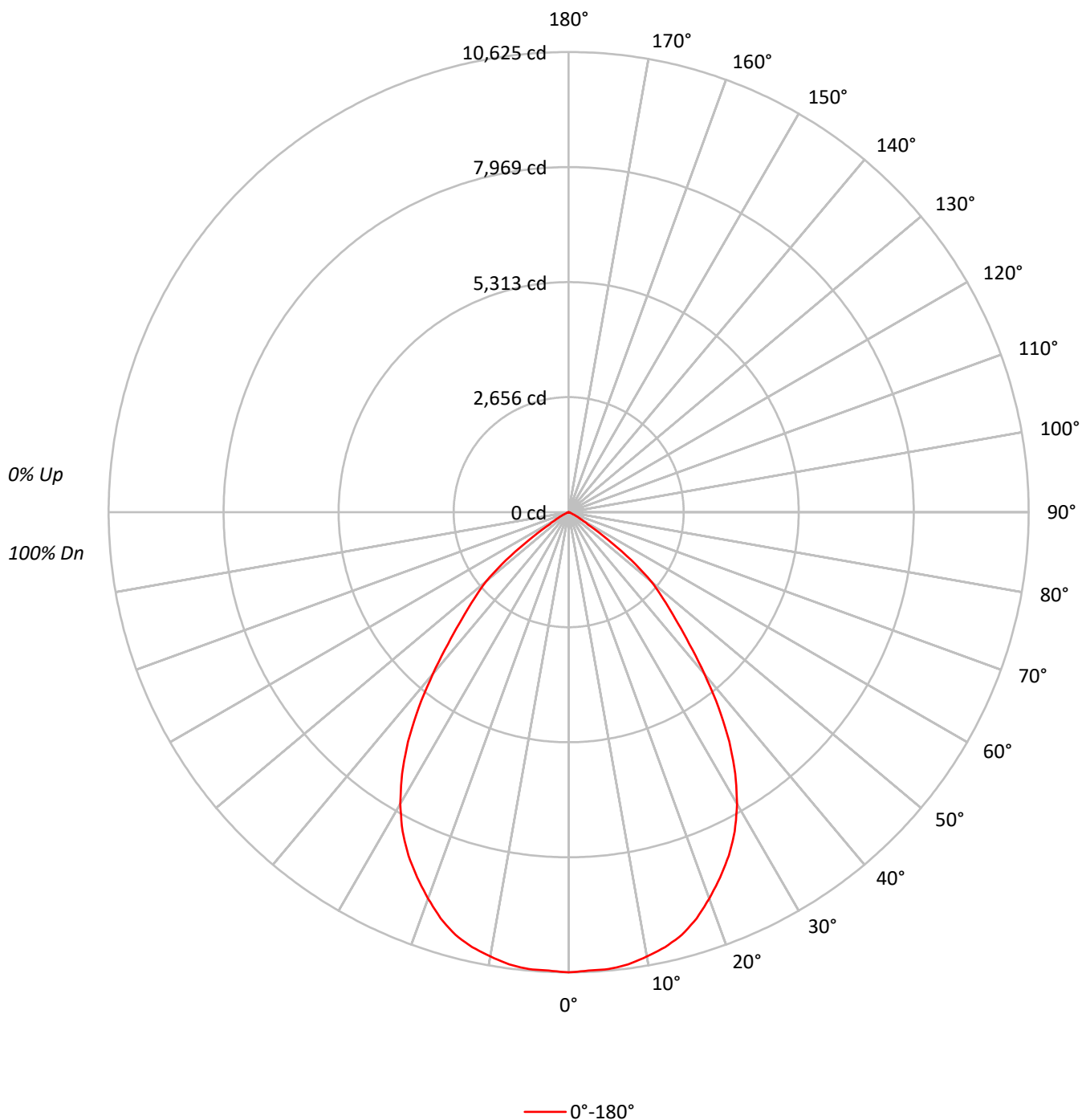
Lumens per Lamp: N/A
Luminaire Lumens: 15802.5 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.11 / 1.11 / 1.11
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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	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	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75							
4	93	84	77	72	91	83	76	72	80	75	71	78	74	70	76	72	69	67							
5	87	77	70	65	85	76	69	65	74	68	64	72	67	63	71	66	63	61							
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56							
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51							
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	46							
9	68	56	50	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43							
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	97034
5°	97087
10°	96598
15°	95555
20°	92252
25°	88169
30°	82029
35°	72132
40°	58103
45°	44881
50°	35489
55°	17313
60°	6322
65°	2665
70°	766
75°	381
80°	442
85°	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 44881 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1005.4	6.4
10°-20°	2834.2	17.9
20°-30°	4006.7	25.4
30°-40°	3990.7	25.3
40°-50°	2734.6	17.3
50°-60°	1068.0	6.8
60°-70°	144.0	0.9
70°-80°	13.7	0.1
80°-90°	5.1	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°	7846.3	49.7
0°-40°	11837.0	74.9
0°-60°	15639.6	99.0
0°-90°	15802.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15802.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10625	
5°	10590	###
15°	10106	2834
25°	8750	4007
35°	6470	3991
45°	3475	2735
55°	1087	1068
65°	123	144
75°	11	14
85°	5	5
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10624.7
2.5°	10593.6
5°	10590.0
7.5°	10533.7
10°	10416.3
12.5°	10287.0
15°	10106.2
17.5°	9833.2
20°	9491.9
22.5°	9131.5
25°	8749.5
27.5°	8306.5
30°	7778.4
32.5°	7158.2
35°	6469.7
37.5°	5684.1
40°	4873.5
42.5°	4126.3
45°	3474.9
47.5°	2966.0
50°	2497.8
52.5°	1824.9
55°	1087.3
57.5°	517.3
60°	346.1
62.5°	217.9
65°	123.3
67.5°	59.9
70°	28.7
72.5°	13.2
75°	10.8
77.5°	9.6
80°	8.4
82.5°	7.2
85°	4.8
87.5°	2.4
90°	0.0

(END OF REPORT)