

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: P1504257

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504257
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 (6500K_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: 6500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

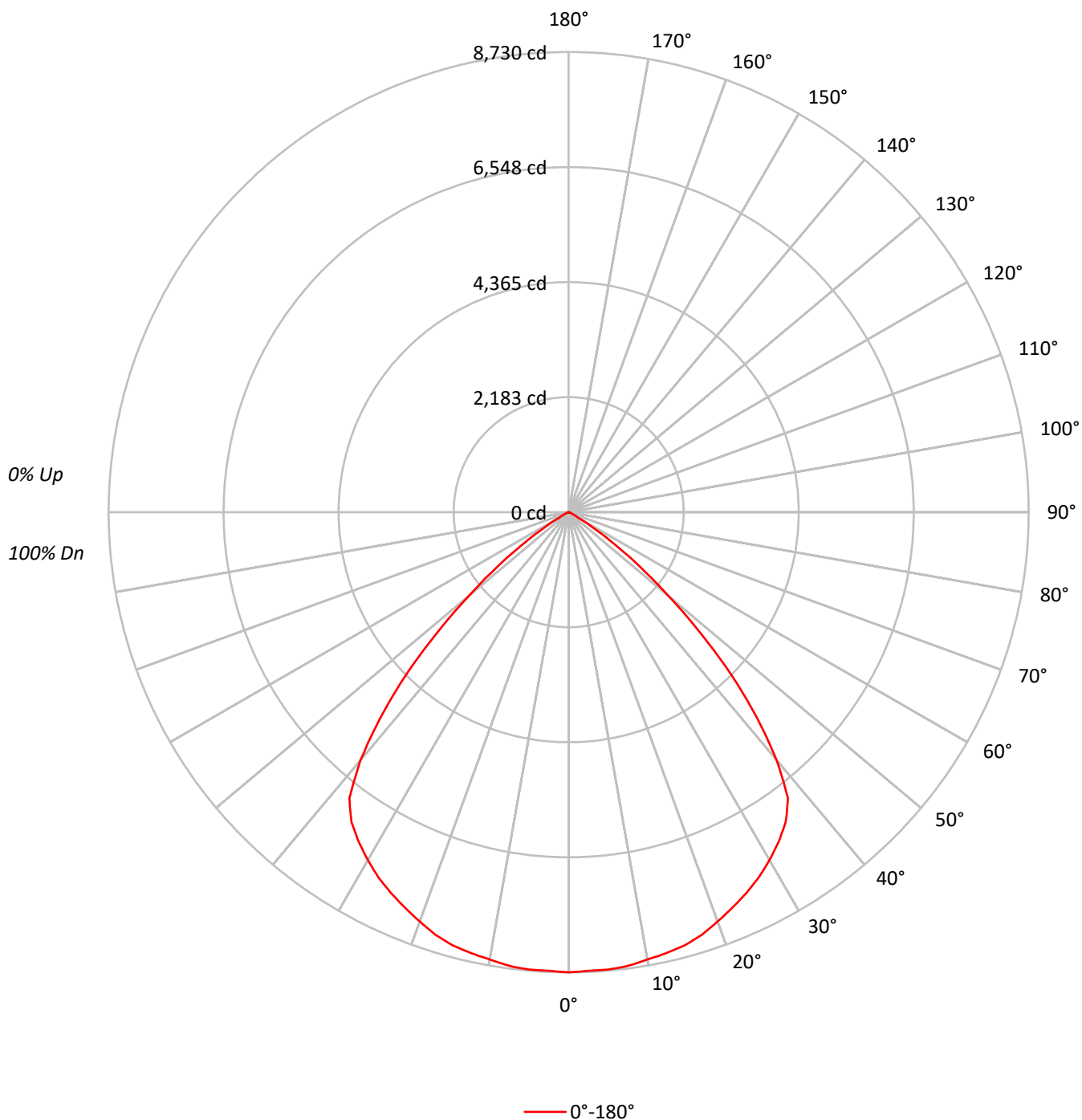
Lumens per Lamp: N/A
Luminaire Lumens: 15809.4 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 123.3
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

TEST NUMBER: P1504257

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L18_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504257

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L18_Wide_120V)

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°	79733
5°	79854
10°	79918
15°	80438
20°	80323
25°	80350
30°	80388
35°	80058
40°	73231
45°	56500
50°	35202
55°	17316
60°	3858
65°	1748
70°	689
75°	498
80°	615
85°	859

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 56500 cd/sqm

TEST NUMBER: P1504257

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	828.4	5.2
10°-20°	2399.0	15.2
20°-30°	3676.8	23.3
30°-40°	4430.0	28.0
40°-50°	3324.5	21.0
50°-60°	1034.6	6.5
60°-70°	91.7	0.6
70°-80°	16.7	0.1
80°-90°	7.7	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°	6904.2	43.7
0°-40°	11334.3	71.7
0°-60°	15693.3	99.3
0°-90°	15809.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15809.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8730	
5°	8710	828
15°	8507	2399
25°	7974	3677
35°	7181	4430
45°	4374	3324
55°	1088	1035
65°	81	92
75°	14	17
85°	8	8
90°	0	

TEST NUMBER: P1504257

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (6500K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	8730.3
2.5°	8706.8
5°	8710.3
7.5°	8679.8
10°	8617.6
12.5°	8568.4
15°	8507.4
17.5°	8405.3
20°	8264.5
22.5°	8119.1
25°	7973.6
27.5°	7811.7
30°	7622.8
32.5°	7414.0
35°	7180.6
37.5°	6835.7
40°	6142.4
42.5°	5293.1
45°	4374.5
47.5°	3396.1
50°	2477.6
52.5°	1722.1
55°	1087.5
57.5°	546.7
60°	211.2
62.5°	132.6
65°	80.9
67.5°	42.2
70°	25.8
72.5°	16.4
75°	14.1
77.5°	14.1
80°	11.7
82.5°	10.6
85°	8.2
87.5°	3.5
90°	0.0

(END OF REPORT)