

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: P1504221

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3000K_L18_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504221
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 (3000K_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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

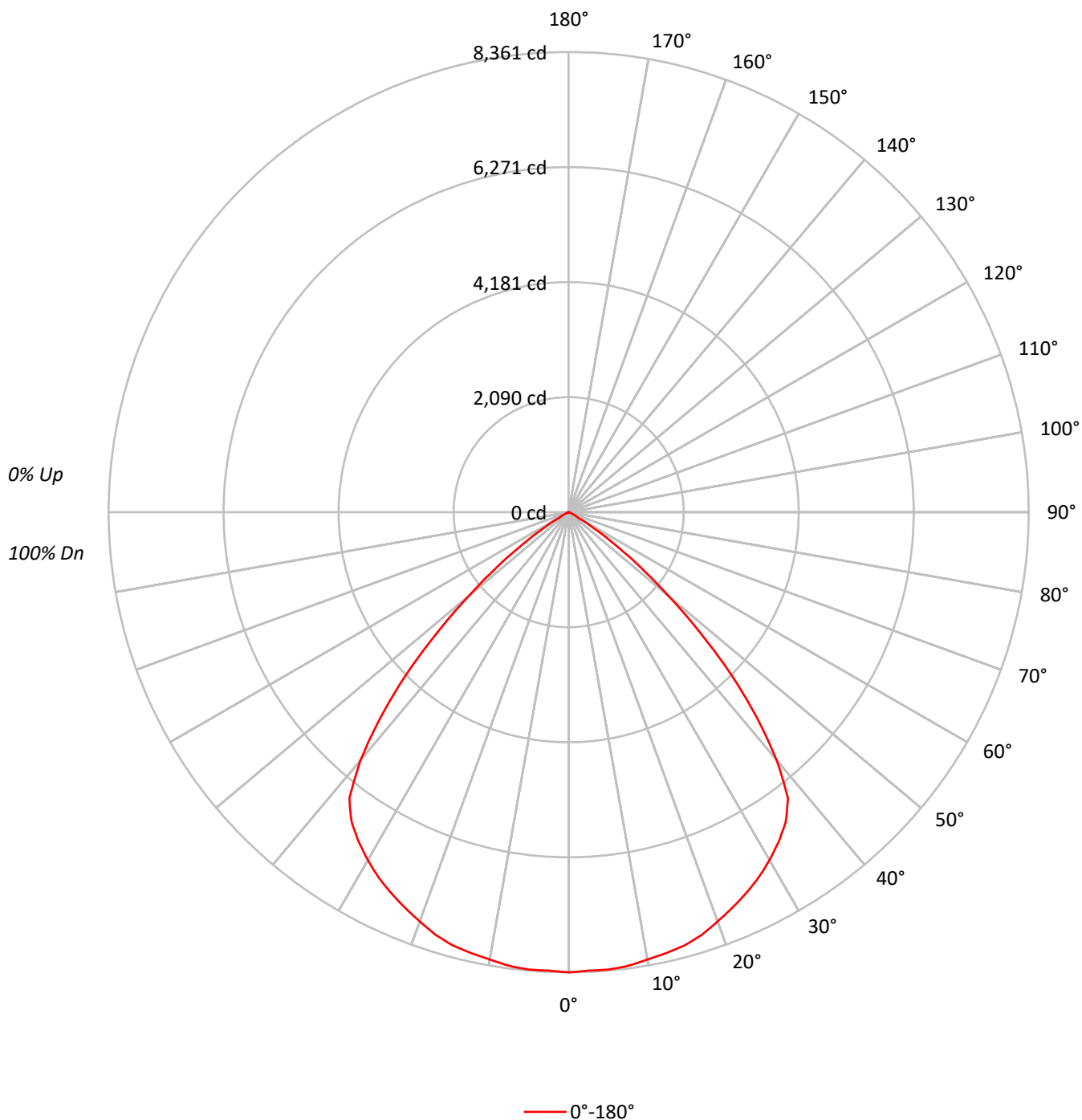
Lumens per Lamp: N/A
Luminaire Lumens: 15140.6 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.28
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 122.9
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: P1504221

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3000K_L18_Wide_120V)

Luminous Intensity Polar Plot



TEST NUMBER: P1504221

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3000K_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°	76359
5°	76476
10°	76537
15°	77035
20°	76925
25°	76951
30°	76987
35°	76671
40°	70132
45°	54110
50°	33713
55°	16583
60°	3693
65°	1675
70°	660
75°	476
80°	589
85°	828

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 54110 cd/sqm

TEST NUMBER: P1504221

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3000K_L18_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	793.4	5.2
10°-20°	2297.5	15.2
20°-30°	3521.2	23.3
30°-40°	4242.6	28.0
40°-50°	3183.8	21.0
50°-60°	990.8	6.5
60°-70°	87.8	0.6
70°-80°	16.0	0.1
80°-90°	7.3	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°	6612.2	43.7
0°-40°	10854.8	71.7
0°-60°	15029.4	99.3
0°-90°	15140.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15140.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8361	
5°	8342	793
15°	8148	2298
25°	7636	3521
35°	6877	4243
45°	4189	3184
55°	1042	991
65°	78	88
75°	14	16
85°	8	7
90°	0	

TEST NUMBER: P1504221

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-04-BLAK-PS (3000K_L18_Wide_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	8360.9
2.5°	8338.4
5°	8341.8
7.5°	8312.6
10°	8253.1
12.5°	8205.9
15°	8147.5
17.5°	8049.7
20°	7914.9
22.5°	7775.6
25°	7636.3
27.5°	7481.2
30°	7300.3
32.5°	7100.4
35°	6876.8
37.5°	6546.5
40°	5882.5
42.5°	5069.1
45°	4189.4
47.5°	3252.5
50°	2372.8
52.5°	1649.3
55°	1041.5
57.5°	523.5
60°	202.2
62.5°	127.0
65°	77.5
67.5°	40.4
70°	24.7
72.5°	15.7
75°	13.5
77.5°	13.5
80°	11.2
82.5°	10.1
85°	7.9
87.5°	3.4
90°	0.0

(END OF REPORT)