

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: P1504404

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504404
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-42)
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-06-BLAK-PS (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

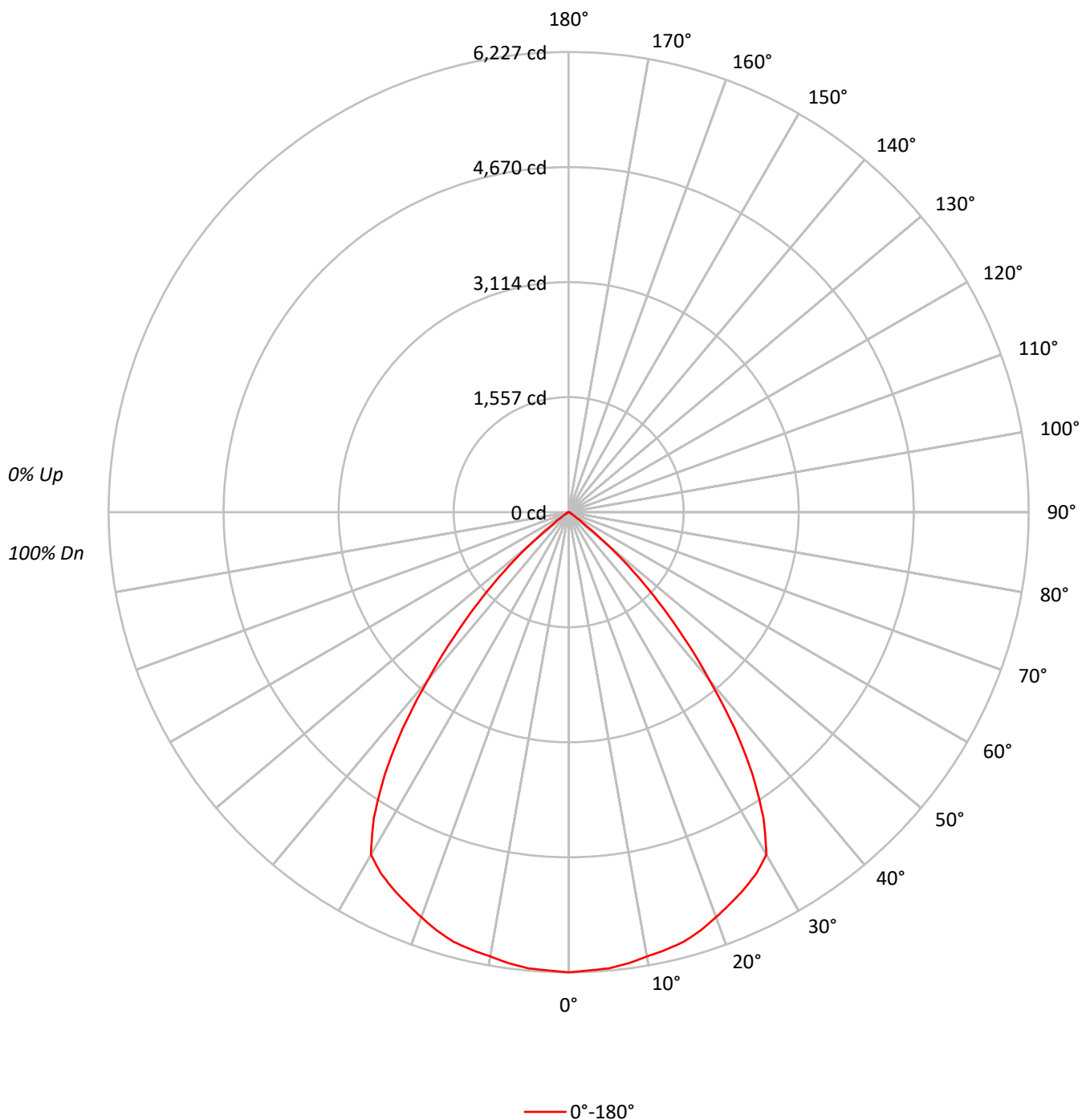
Lumens per Lamp: N/A
Luminaire Lumens: 9108.6 lumens
Efficiency: N/A
Efficacy: 111.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
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

TEST NUMBER: P1504404

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L12_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504404

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L12_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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92		
2	106	101	96	93	104	99	95	92	96	92	90	93	90	88	90	88	86	84		
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77		
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	74	71	70		
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64		
6	83	73	66	61	82	72	66	61	71	65	61	69	64	60	68	63	60	58		
7	78	68	61	56	77	67	61	56	66	60	56	64	59	55	63	59	55	53		
8	74	63	56	52	72	62	56	51	61	55	51	60	55	51	59	54	51	49		
9	69	59	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45		
10	66	55	48	44	65	54	48	44	53	48	44	53	47	44	52	47	43	42		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	51151
5°	51099
10°	50925
15°	51183
20°	50986
25°	50983
30°	50760
35°	43541
40°	31763
45°	20087
50°	8779
55°	1792
60°	631
65°	453
70°	521
75°	555
80°	553
85°	547

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20087 cd/sqm

TEST NUMBER: P1504404

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L12_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.4	6.5
10°-20°	1696.1	18.6
20°-30°	2591.7	28.5
30°-40°	2655.6	29.2
40°-50°	1343.1	14.7
50°-60°	183.1	2.0
60°-70°	26.0	0.3
70°-80°	18.3	0.2
80°-90°	6.4	0.1
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°	4876.2	53.5
0°-40°	7531.8	82.7
0°-60°	9058.0	99.4
0°-90°	9108.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9108.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6227	
5°	6197	588
15°	6018	1696
25°	5625	2592
35°	4342	2656
45°	1729	1343
55°	125	183
65°	23	26
75°	18	18
85°	6	6
90°	0	

TEST NUMBER: P1504404

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L12_Wide_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	6226.9
2.5°	6207.7
5°	6196.9
7.5°	6156.9
10°	6105.2
12.5°	6065.1
15°	6018.5
17.5°	5935.1
20°	5832.5
22.5°	5729.2
25°	5625.0
27.5°	5505.7
30°	5351.5
32.5°	4906.3
35°	4341.9
37.5°	3691.6
40°	2962.1
42.5°	2320.2
45°	1729.1
47.5°	1187.2
50°	687.0
52.5°	277.6
55°	125.1
57.5°	72.5
60°	38.4
62.5°	29.2
65°	23.3
67.5°	22.5
70°	21.7
72.5°	20.0
75°	17.5
77.5°	15.0
80°	11.7
82.5°	9.2
85°	5.8
87.5°	2.5
90°	0.0

(END OF REPORT)