

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: P1504584

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504584
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-30)
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-B-04-BLAK-PS (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC BLACK SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

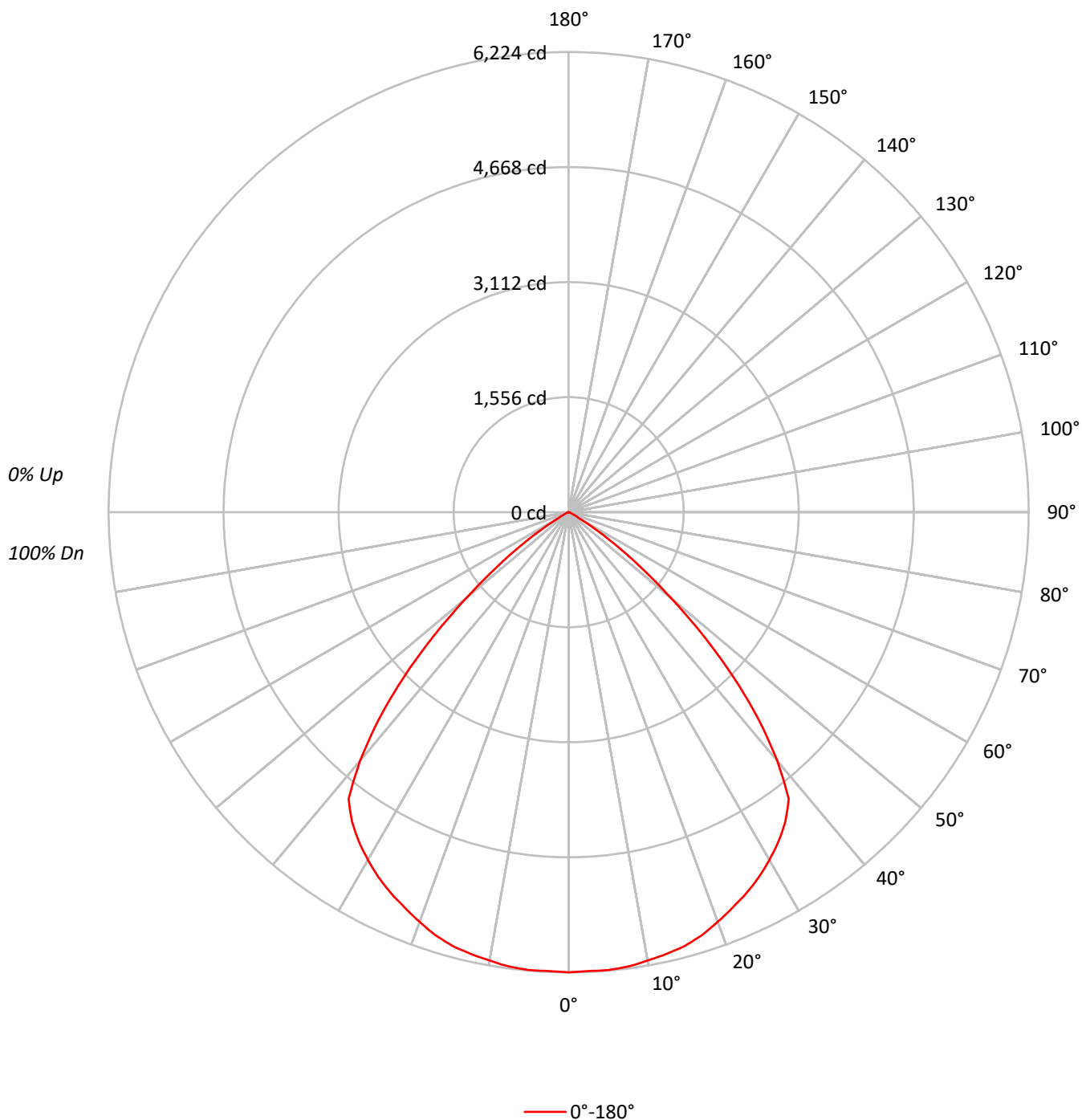
Lumens per Lamp: N/A
Luminaire Lumens: 11328.4 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.29
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

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: P1504584

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3500K_L12_Wide_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1504584

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91		
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	81	78	84	80	76	81	78	75	73		
4	92	82	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	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	57	78	68	61	56	67	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	54	49	45	44		
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53875
5°	54008
10°	54127
15°	54430
20°	54314
25°	54309
30°	54285
35°	54009
40°	49605
45°	38616
50°	24259
55°	12077
60°	2756
65°	1247
70°	506
75°	361
80°	414
85°	497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 38616 cd/sqm

TEST NUMBER: P1504584

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3500K_L12_Wide_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.5	5.2
10°-20°	1712.8	15.1
20°-30°	2621.8	23.1
30°-40°	3160.2	27.9
40°-50°	2395.8	21.1
50°-60°	759.5	6.7
60°-70°	69.1	0.6
70°-80°	12.5	0.1
80°-90°	5.2	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°	4926.1	43.5
0°-40°	8086.3	71.4
0°-60°	11241.5	99.2
0°-90°	11328.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11328.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6224	
5°	6216	592
15°	6074	1713
25°	5687	2622
35°	5111	3160
45°	3155	2396
55°	800	759
65°	61	69
75°	11	13
85°	5	5
90°	0	

TEST NUMBER: P1504584

CATALOG NUMBER: PRLX-UHBS2-1218-MV-L8C5-U-B-04-BLAK-PS (3500K_L12_Wide_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	6224.4
2.5°	6211.9
5°	6216.0
7.5°	6198.5
10°	6158.5
12.5°	6120.2
15°	6074.3
17.5°	5998.5
20°	5896.7
22.5°	5790.9
25°	5686.7
27.5°	5569.1
30°	5431.5
32.5°	5282.3
35°	5111.4
37.5°	4890.5
40°	4390.3
42.5°	3805.8
45°	3154.7
47.5°	2461.1
50°	1801.6
52.5°	1255.5
55°	800.3
57.5°	413.5
60°	159.2
62.5°	100.0
65°	60.9
67.5°	31.7
70°	20.0
72.5°	12.5
75°	10.8
77.5°	10.0
80°	8.3
82.5°	7.5
85°	5.0
87.5°	2.5
90°	0.0

(END OF REPORT)