

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: P1504413

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (4000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504413
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 (4000K_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

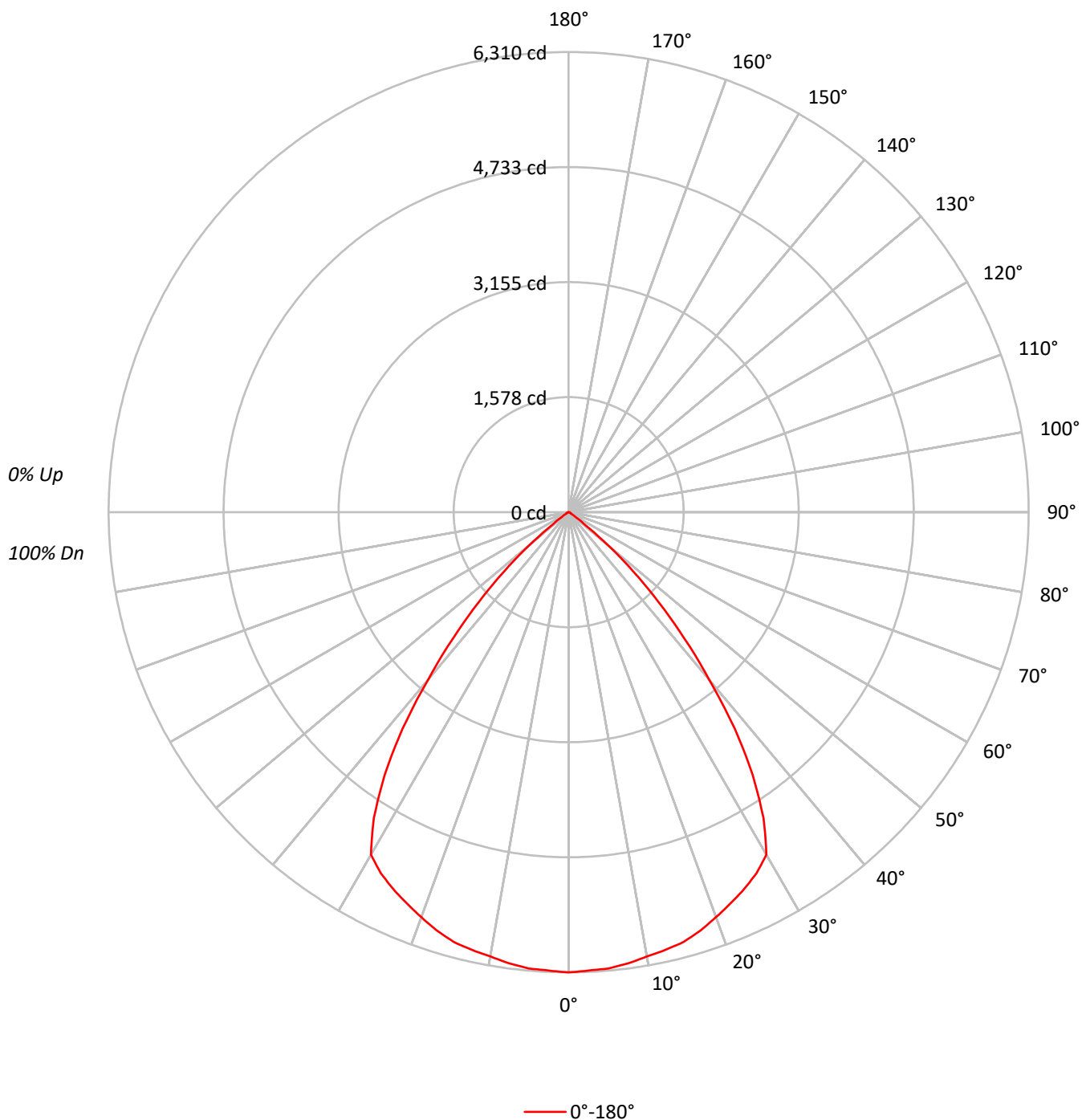
Lumens per Lamp: N/A
Luminaire Lumens: 9230.2 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 80.7
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

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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	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°	51834
5°	51781
10°	51604
15°	51866
20°	51668
25°	51664
30°	51438
35°	44122
40°	32188
45°	20355
50°	8896
55°	1815
60°	639
65°	461
70°	528
75°	562
80°	558
85°	556

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20355 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	596.3	6.5
10°-20°	1718.7	18.6
20°-30°	2626.3	28.5
30°-40°	2691.1	29.2
40°-50°	1361.0	14.7
50°-60°	185.6	2.0
60°-70°	26.3	0.3
70°-80°	18.5	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°	4941.3	53.5
0°-40°	7632.4	82.7
0°-60°	9179.0	99.4
0°-90°	9230.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9230.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6310	
5°	6280	596
15°	6099	1719
25°	5700	2626
35°	4400	2691
45°	1752	1361
55°	127	186
65°	24	26
75°	18	19
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6310.1
2.5°	6290.6
5°	6279.6
7.5°	6239.1
10°	6186.7
12.5°	6146.2
15°	6098.8
17.5°	6014.4
20°	5910.5
22.5°	5805.7
25°	5700.1
27.5°	5579.3
30°	5423.0
32.5°	4971.8
35°	4399.9
37.5°	3740.9
40°	3001.7
42.5°	2351.2
45°	1752.2
47.5°	1203.0
50°	696.1
52.5°	281.3
55°	126.7
57.5°	73.5
60°	38.9
62.5°	29.6
65°	23.7
67.5°	22.8
70°	22.0
72.5°	20.3
75°	17.7
77.5°	15.2
80°	11.8
82.5°	9.3
85°	5.9
87.5°	2.5
90°	0.0

(END OF REPORT)