

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: P1504422

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (5000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504422
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 (5000K_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

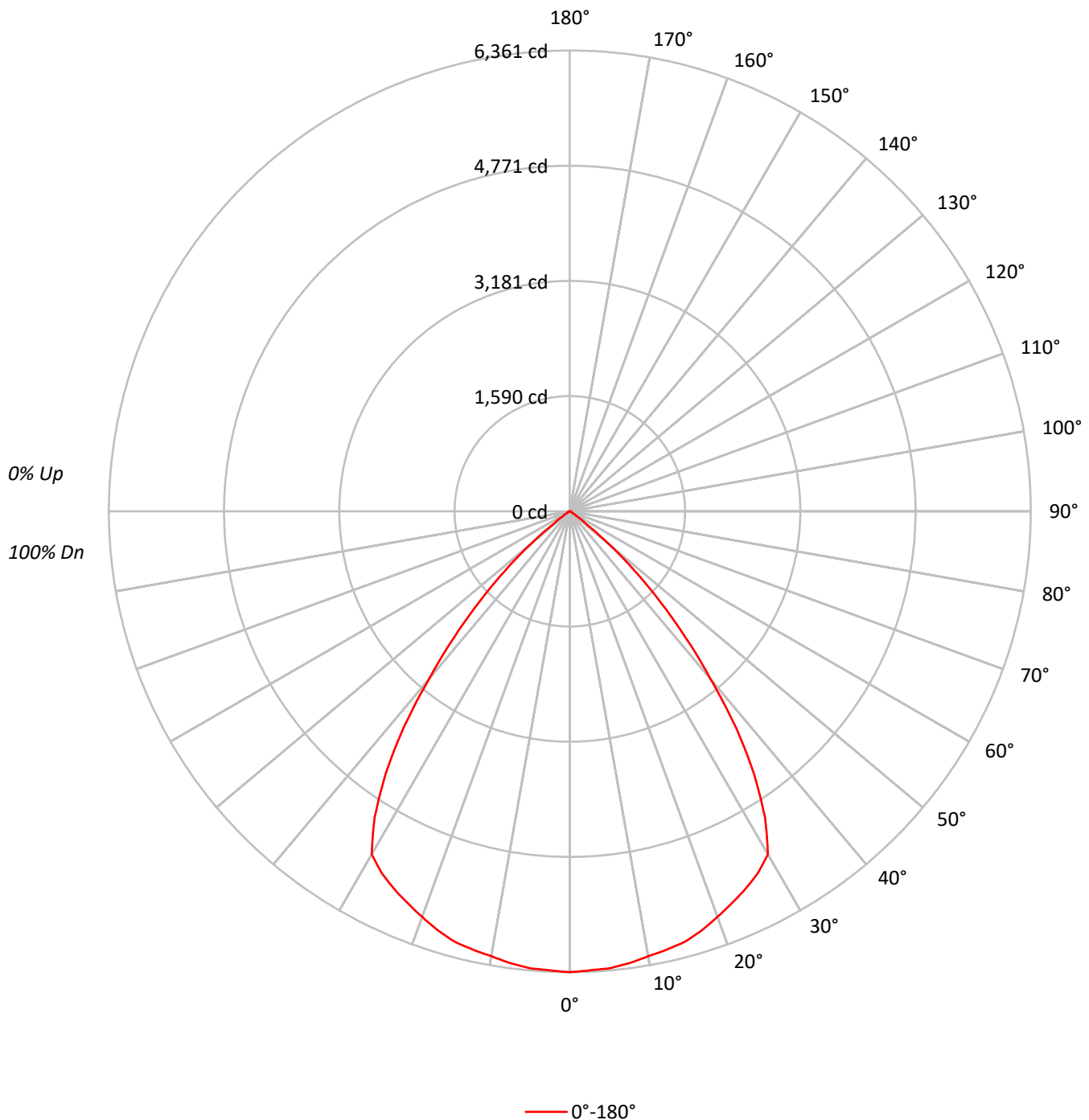
Lumens per Lamp: N/A
Luminaire Lumens: 9305.2 lumens
Efficiency: N/A
Efficacy: 114.7 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 81.1
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°	52255
5°	52201
10°	52023
15°	52287
20°	52086
25°	52083
30°	51856
35°	44480
40°	32450
45°	20520
50°	8969
55°	1830
60°	644
65°	463
70°	531
75°	568
80°	563
85°	566

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.1	6.5
10°-20°	1732.7	18.6
20°-30°	2647.7	28.5
30°-40°	2712.9	29.2
40°-50°	1372.1	14.7
50°-60°	187.1	2.0
60°-70°	26.5	0.3
70°-80°	18.6	0.2
80°-90°	6.5	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°	4981.4	53.5
0°-40°	7694.3	82.7
0°-60°	9253.5	99.4
0°-90°	9305.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9305.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6361	
5°	6331	601
15°	6148	1733
25°	5746	2648
35°	4436	2713
45°	1766	1372
55°	128	187
65°	24	27
75°	18	19
85°	6	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6361.3
2.5°	6341.7
5°	6330.6
7.5°	6289.7
10°	6236.9
12.5°	6196.0
15°	6148.3
17.5°	6063.2
20°	5958.4
22.5°	5852.8
25°	5746.3
27.5°	5624.6
30°	5467.0
32.5°	5012.2
35°	4435.6
37.5°	3771.3
40°	3026.1
42.5°	2370.3
45°	1766.4
47.5°	1212.8
50°	701.8
52.5°	283.6
55°	127.8
57.5°	74.1
60°	39.2
62.5°	29.8
65°	23.8
67.5°	23.0
70°	22.1
72.5°	20.4
75°	17.9
77.5°	15.3
80°	11.9
82.5°	9.4
85°	6.0
87.5°	2.6
90°	0.0

(END OF REPORT)