

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: P1504395

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3000K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504395
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 (3000K_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

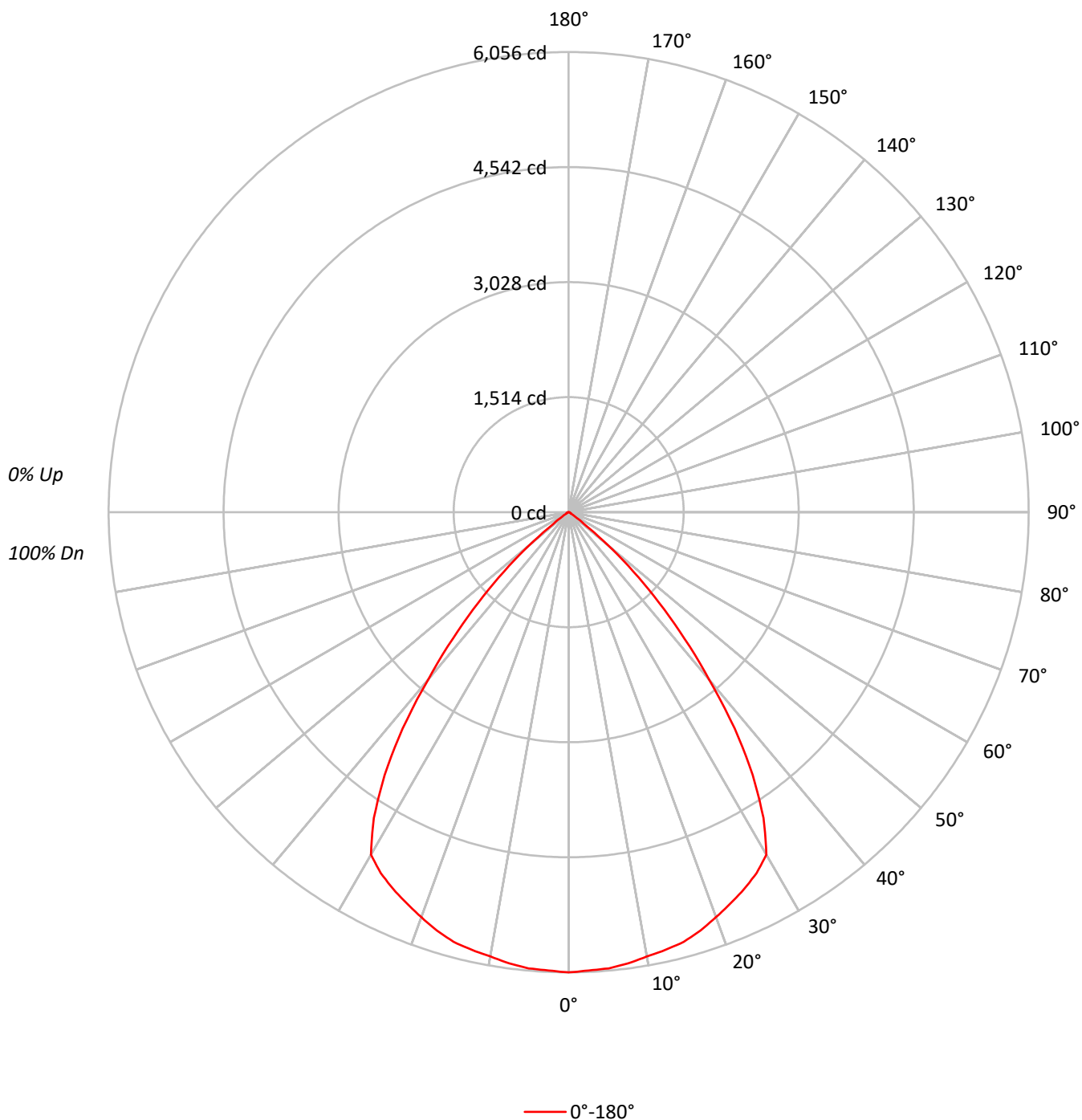
Lumens per Lamp: N/A
Luminaire Lumens: 8858.6 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.23 / 1.14
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 82.8
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°	49747
5°	49696
10°	49527
15°	49778
20°	49587
25°	49584
30°	49367
35°	42345
40°	30891
45°	19535
50°	8538
55°	1741
60°	613
65°	441
70°	507
75°	540
80°	539
85°	537

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 19535 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.3	6.5
10°-20°	1649.5	18.6
20°-30°	2520.6	28.5
30°-40°	2582.7	29.2
40°-50°	1306.2	14.7
50°-60°	178.1	2.0
60°-70°	25.3	0.3
70°-80°	17.8	0.2
80°-90°	6.2	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°	4742.4	53.5
0°-40°	7325.1	82.7
0°-60°	8809.4	99.4
0°-90°	8858.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8858.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6056	
5°	6027	572
15°	5853	1650
25°	5471	2521
35°	4223	2583
45°	1682	1306
55°	122	178
65°	23	25
75°	17	18
85°	6	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6056.0
2.5°	6037.3
5°	6026.8
7.5°	5987.9
10°	5937.6
12.5°	5898.7
15°	5853.3
17.5°	5772.2
20°	5672.5
22.5°	5571.9
25°	5470.6
27.5°	5354.6
30°	5204.6
32.5°	4771.6
35°	4222.7
37.5°	3590.3
40°	2880.8
42.5°	2256.5
45°	1681.6
47.5°	1154.6
50°	668.1
52.5°	270.0
55°	121.6
57.5°	70.5
60°	37.3
62.5°	28.4
65°	22.7
67.5°	21.9
70°	21.1
72.5°	19.5
75°	17.0
77.5°	14.6
80°	11.4
82.5°	8.9
85°	5.7
87.5°	2.4
90°	0.0

(END OF REPORT)