

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: P1504402

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (3500K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504402
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-41)
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_Medium_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

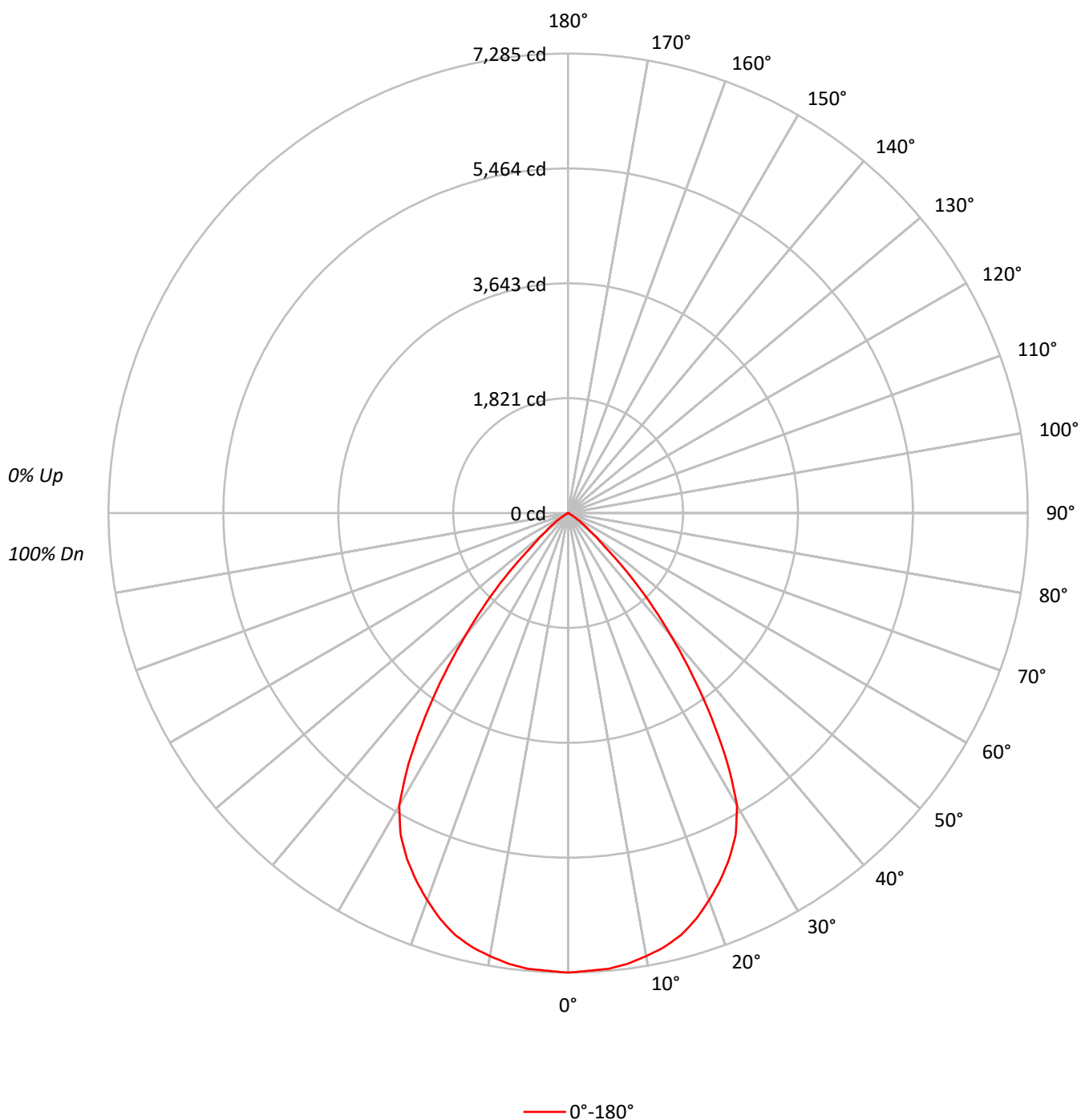
Lumens per Lamp: N/A
Luminaire Lumens: 9142.4 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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

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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	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	111	108	105	103	104	102	100	100	99	97	97	95	94	93								
2	107	102	97	93	105	100	96	92	97	93	90	94	91	88	91	89	87	85								
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78								
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71								
5	90	80	74	69	88	79	73	69	78	72	68	76	71	68	74	70	67	66								
6	84	75	68	64	83	74	68	63	72	67	63	71	66	62	70	65	62	60								
7	80	70	63	58	78	69	63	58	68	62	58	66	61	58	65	61	57	56								
8	75	65	58	54	74	64	58	54	63	58	54	62	57	53	61	56	53	52								
9	71	61	54	50	70	60	54	50	59	54	50	58	53	49	57	53	49	48								
10	67	57	51	46	66	56	50	46	56	50	46	55	50	46	54	49	46	45								

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59841
5°	59815
10°	59484
15°	58889
20°	57079
25°	54783
30°	50784
35°	39687
40°	27088
45°	15186
50°	6532
55°	3092
60°	754
65°	373
70°	420
75°	451
80°	473
85°	471

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15186 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.5	7.5
10°-20°	1943.6	21.3
20°-30°	2765.7	30.3
30°-40°	2450.1	26.8
40°-50°	1042.5	11.4
50°-60°	207.7	2.3
60°-70°	23.8	0.3
70°-80°	14.8	0.2
80°-90°	5.7	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°	5397.7	59.0
0°-40°	7847.8	85.8
0°-60°	9098.0	99.5
0°-90°	9142.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9142.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7285	
5°	7254	688
15°	6925	1944
25°	6044	2766
35°	3958	2450
45°	1307	1043
55°	216	208
65°	19	24
75°	14	15
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7284.8
2.5°	7263.2
5°	7254.0
7.5°	7209.0
10°	7131.4
12.5°	7046.4
15°	6924.7
17.5°	6746.3
20°	6529.5
22.5°	6300.2
25°	6044.3
27.5°	5748.3
30°	5354.0
32.5°	4701.2
35°	3957.6
37.5°	3226.4
40°	2526.1
42.5°	1904.2
45°	1307.2
47.5°	770.3
50°	511.1
52.5°	343.5
55°	215.9
57.5°	105.9
60°	45.9
62.5°	27.5
65°	19.2
67.5°	18.3
70°	17.5
72.5°	15.8
75°	14.2
77.5°	12.5
80°	10.0
82.5°	8.3
85°	5.0
87.5°	2.5
90°	0.0

(END OF REPORT)