

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: P1504411

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-BLAK-PS (4000K_L12_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504411
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 (4000K_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

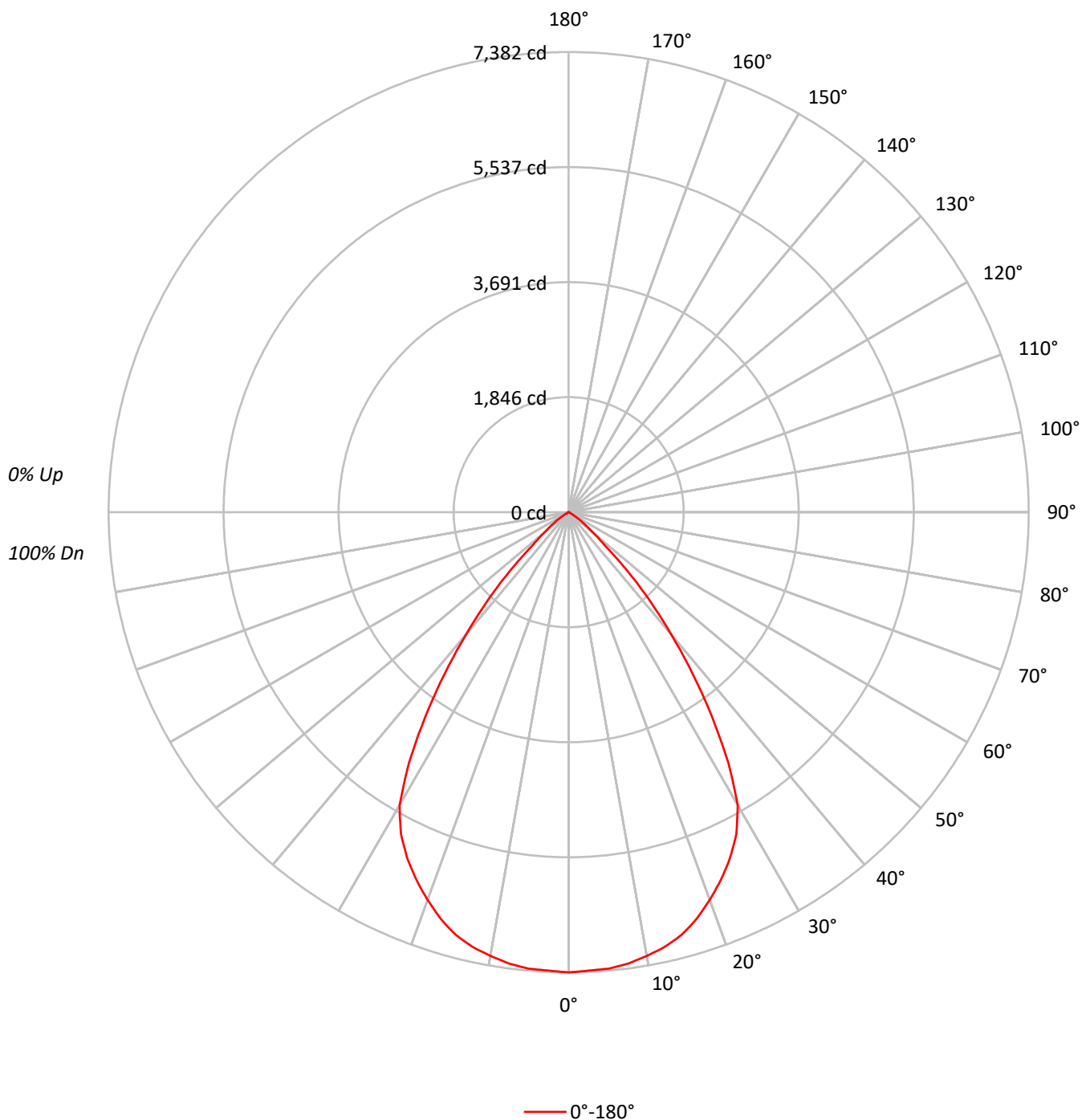
Lumens per Lamp: N/A
Luminaire Lumens: 9264.5 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 1.12 / 1.05
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

Input Watts (W): 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				0
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	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°	60641
5°	60614
10°	60279
15°	59676
20°	57841
25°	55515
30°	51462
35°	40216
40°	27449
45°	15389
50°	6618
55°	3134
60°	764
65°	377
70°	425
75°	457
80°	478
85°	481

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15389 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	697.7	7.5
10°-20°	1969.5	21.3
20°-30°	2802.6	30.3
30°-40°	2482.9	26.8
40°-50°	1056.4	11.4
50°-60°	210.4	2.3
60°-70°	24.2	0.3
70°-80°	15.1	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°	5469.8	59.0
0°-40°	7952.7	85.8
0°-60°	9219.5	99.5
0°-90°	9264.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9264.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7382	
5°	7351	698
15°	7017	1970
25°	6125	2803
35°	4010	2483
45°	1325	1056
55°	219	210
65°	19	24
75°	14	15
85°	5	6
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	7382.2
2.5°	7360.2
5°	7350.9
7.5°	7305.3
10°	7226.7
12.5°	7140.5
15°	7017.2
17.5°	6836.4
20°	6616.7
22.5°	6384.4
25°	6125.0
27.5°	5825.1
30°	5425.5
32.5°	4764.0
35°	4010.4
37.5°	3269.5
40°	2559.8
42.5°	1929.6
45°	1324.7
47.5°	780.6
50°	517.9
52.5°	348.1
55°	218.8
57.5°	107.3
60°	46.5
62.5°	27.9
65°	19.4
67.5°	18.6
70°	17.7
72.5°	16.1
75°	14.4
77.5°	12.7
80°	10.1
82.5°	8.4
85°	5.1
87.5°	2.5
90°	0.0

(END OF REPORT)