

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: P1504890

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504890
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-60)
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-B-06-WHGL-PS (3000K_L12_Wide_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

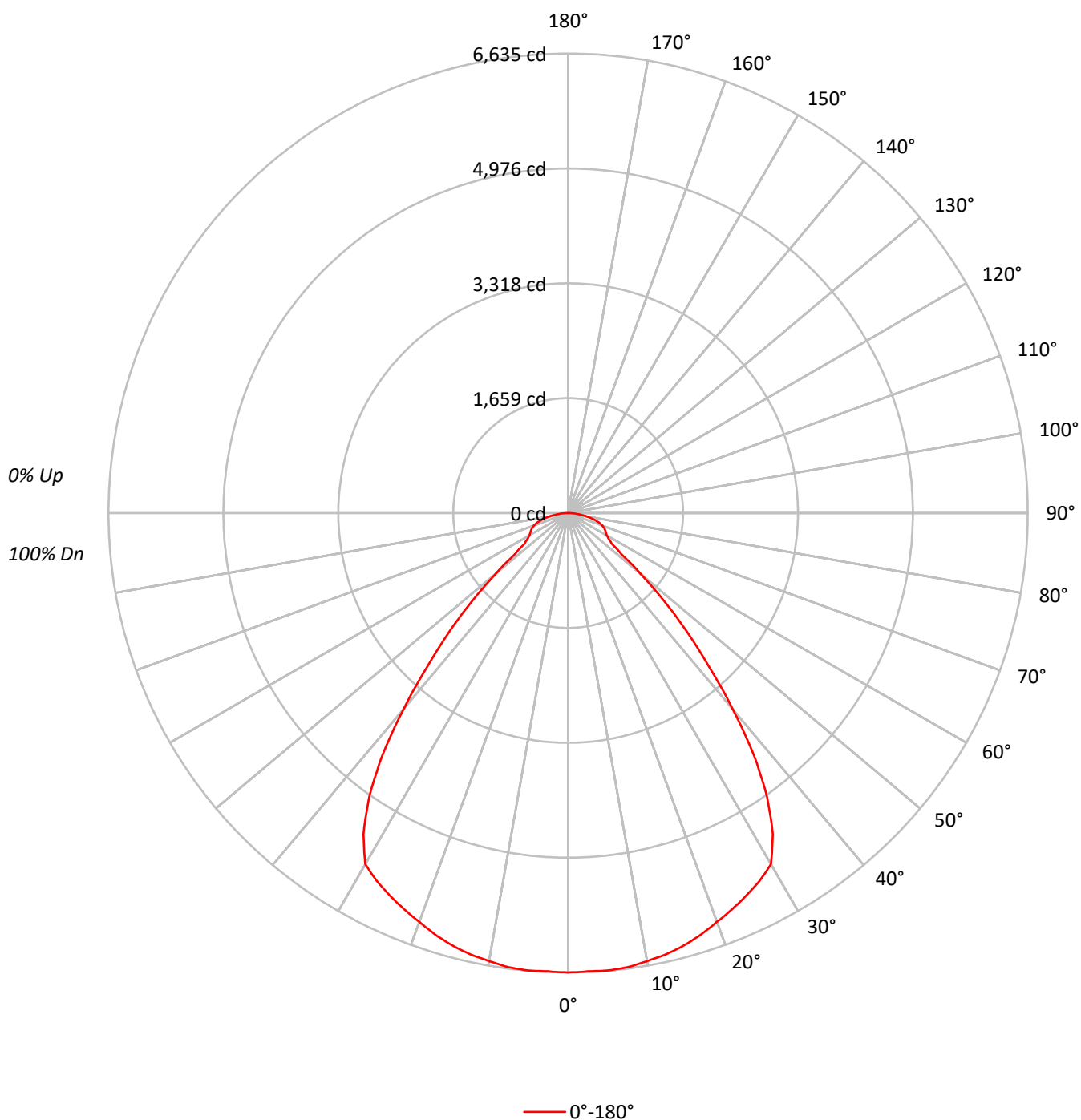
Lumens per Lamp: N/A
Luminaire Lumens: 12124.3 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.19
Luminous Opening: Circular (Dia: 1.3' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	93	92	90	88		
2	103	97	91	86	101	95	90	85	91	87	84	88	85	82	85	82	80	78		
3	96	87	81	75	94	86	80	75	83	78	74	80	76	72	78	74	71	69		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	65	72	67	64	62		
5	83	73	65	59	82	72	64	59	70	63	59	68	62	58	66	61	57	56		
6	78	67	59	54	76	66	59	53	64	58	53	62	57	52	61	56	52	50		
7	73	61	54	48	71	61	53	48	59	53	48	58	52	48	57	51	47	46		
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42		
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38		
10	61	49	42	37	60	48	42	37	47	41	37	47	41	37	46	41	37	35		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53806
5°	53978
10°	54101
15°	54267
20°	54215
25°	54515
30°	54825
35°	49590
40°	39166
45°	27841
50°	17216
55°	10844
60°	10442
65°	11342
70°	12420
75°	12956
80°	12418
85°	11463

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27841 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	631.0	5.2
10°-20°	1824.1	15.0
20°-30°	2810.6	23.2
30°-40°	3065.6	25.3
40°-50°	1880.4	15.5
50°-60°	762.4	6.3
60°-70°	583.6	4.8
70°-80°	428.5	3.5
80°-90°	138.1	1.1
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°	5265.7	43.4
0°-40°	8331.3	68.7
0°-60°	10974.1	90.5
0°-90°	12124.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12124.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6635	
5°	6631	631
15°	6464	1824
25°	6092	2811
35°	5009	3066
45°	2428	1880
55°	767	762
65°	591	584
75°	414	429
85°	123	138
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	6634.9
2.5°	6624.4
5°	6630.8
7.5°	6613.8
10°	6570.0
12.5°	6527.1
15°	6463.8
17.5°	6381.9
20°	6282.2
22.5°	6190.6
25°	6092.5
27.5°	5986.2
30°	5854.9
32.5°	5498.9
35°	5009.2
37.5°	4403.5
40°	3699.7
42.5°	3006.5
45°	2427.6
47.5°	1872.2
50°	1364.6
52.5°	956.8
55°	767.0
57.5°	695.7
60°	643.8
62.5°	617.0
65°	591.1
67.5°	562.7
70°	523.8
72.5°	473.5
75°	413.5
77.5°	342.2
80°	265.9
82.5°	192.2
85°	123.2
87.5°	59.2
90°	0.0

(END OF REPORT)