

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: P1504556

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-06-WHGL-PS (5000K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504556
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-46)
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-WHGL-PS (5000K_L12_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

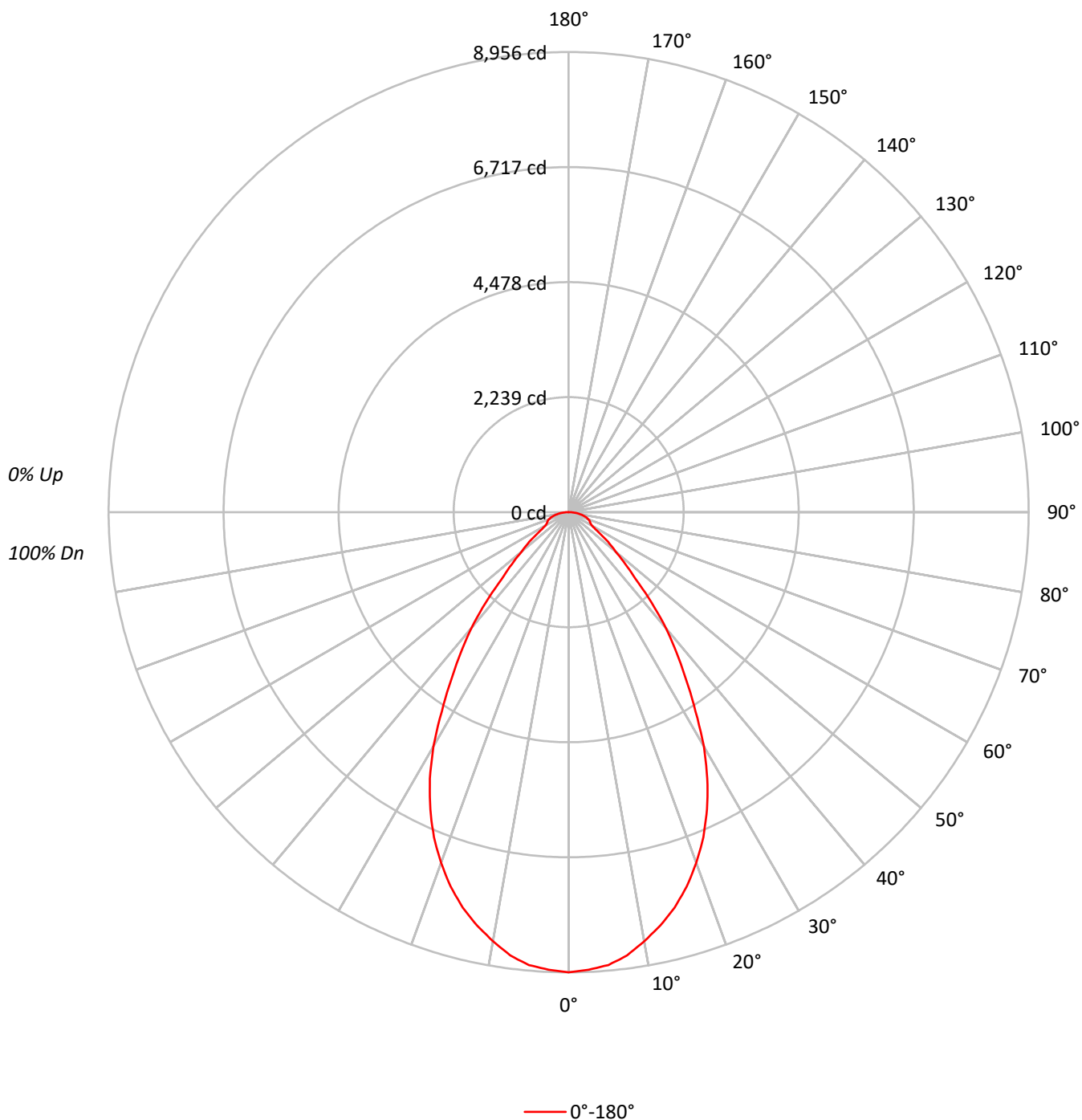
Lumens per Lamp: N/A
Luminaire Lumens: 11620.9 lumens
Efficiency: N/A
Efficacy: 143.3 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.98
Luminous Opening: Circular (Dia: 1.29' x H: 0')
CIE Type: Direct

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	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	89		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	77	74	72		
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65		
5	85	75	68	63	84	74	68	63	72	66	62	71	65	61	69	64	61	59		
6	80	70	62	57	79	69	62	57	67	61	56	66	60	56	64	59	56	54		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	50		
8	71	60	53	48	70	59	53	48	58	52	48	57	52	48	56	51	47	46		
9	67	56	49	44	66	56	49	44	54	48	44	54	48	44	53	48	44	42		
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	49	44	41	39		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73565
5°	72954
10°	70714
15°	67736
20°	63492
25°	57787
30°	49901
35°	39988
40°	31599
45°	21401
50°	15248
55°	11331
60°	8591
65°	8939
70°	9859
75°	10461
80°	10757
85°	11074

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 21401 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	832.7	7.2
10°-20°	2230.0	19.2
20°-30°	2904.4	25.0
30°-40°	2507.0	21.6
40°-50°	1491.6	12.8
50°-60°	726.6	6.3
60°-70°	458.6	3.9
70°-80°	343.8	3.0
80°-90°	126.2	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°	5967.2	51.3
0°-40°	8474.1	72.9
0°-60°	10692.3	92.0
0°-90°	11620.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11620.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8956	
5°	8847	833
15°	7965	2230
25°	6376	2904
35°	3988	2507
45°	1842	1492
55°	791	727
65°	460	459
75°	330	344
85°	118	126
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	8955.5
2.5°	8913.8
5°	8847.4
7.5°	8701.7
10°	8477.7
12.5°	8239.2
15°	7965.0
17.5°	7638.8
20°	7263.2
22.5°	6848.4
25°	6375.7
27.5°	5847.7
30°	5260.9
32.5°	4595.7
35°	3987.6
37.5°	3455.3
40°	2946.8
42.5°	2392.4
45°	1842.2
47.5°	1496.4
50°	1193.2
52.5°	1001.6
55°	791.2
57.5°	615.8
60°	522.9
62.5°	484.6
65°	459.9
67.5°	439.5
70°	410.5
72.5°	373.9
75°	329.6
77.5°	280.2
80°	227.4
82.5°	173.7
85°	117.5
87.5°	58.8
90°	0.0

(END OF REPORT)