

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: P1504358

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (3500K_L12_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504358
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-22)
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-04-WHGL-PS (3500K_L12_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

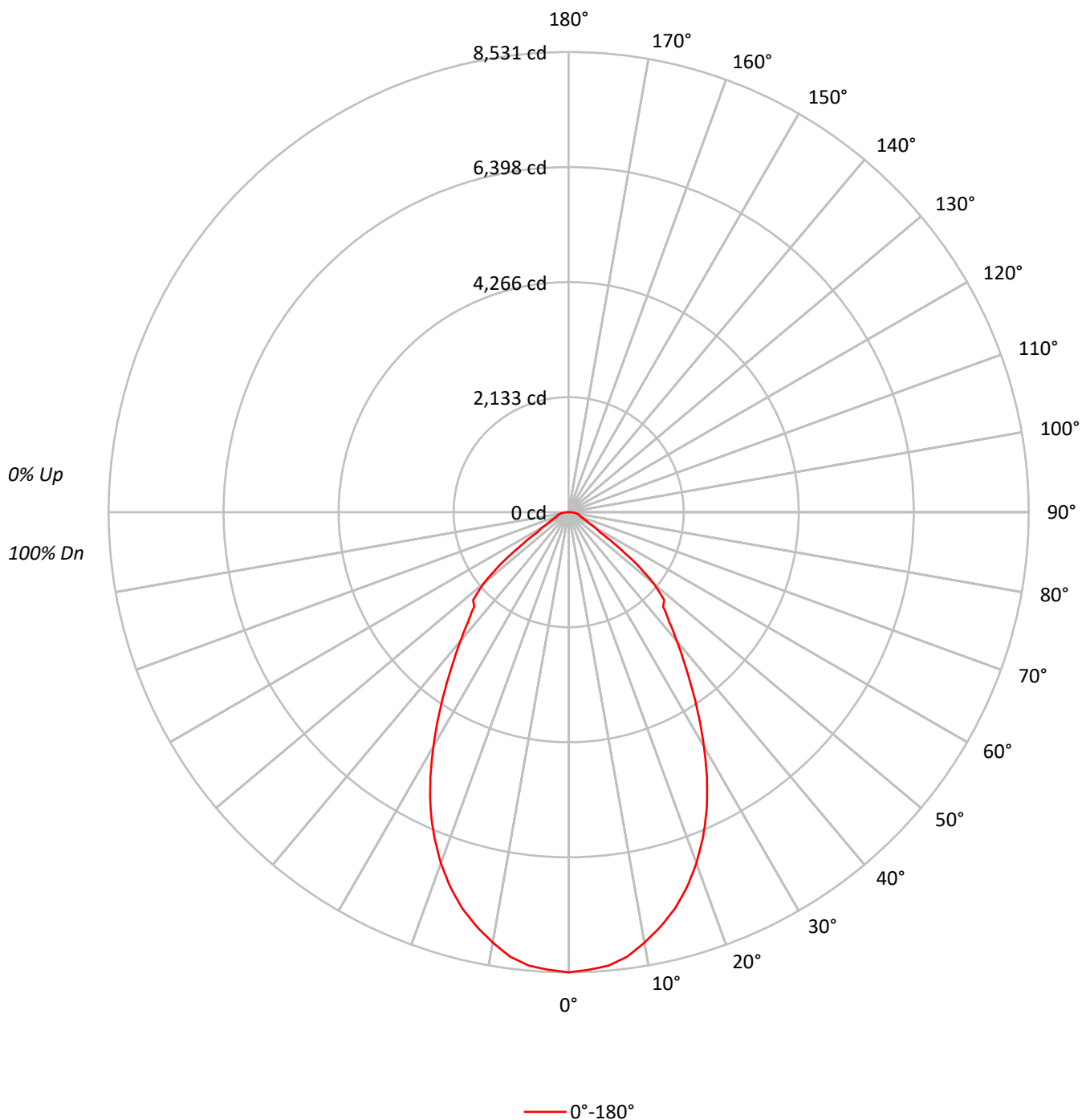
Lumens per Lamp: N/A
Luminaire Lumens: 11850.9 lumens
Efficiency: N/A
Efficacy: 145.1 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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			
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	112	108	105	102	109	106	103	100	102	99	97	98	96	94	95	93	92	90		
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	75	80	76	73	72		
4	91	81	74	69	89	80	74	69	78	72	68	76	71	67	74	70	66	64		
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58		
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53		
7	75	63	56	51	73	63	56	51	61	55	51	60	54	50	59	54	50	48		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41		
10	63	51	44	40	61	51	44	40	50	44	40	49	43	39	48	43	39	38		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77915
5°	77356
10°	75112
15°	71937
20°	67285
25°	61068
30°	52928
35°	44365
40°	37203
45°	32013
50°	29199
55°	17456
60°	9990
65°	7242
70°	6323
75°	7149
80°	8373
85°	9169

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 32458 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	794.7	6.7
10°-20°	2128.8	18.0
20°-30°	2762.5	23.3
30°-40°	2498.9	21.1
40°-50°	1970.9	16.6
50°-60°	1038.6	8.8
60°-70°	352.8	3.0
70°-80°	211.7	1.8
80°-90°	92.0	0.8
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°	5686.0	48.0
0°-40°	8184.9	69.1
0°-60°	11194.3	94.5
0°-90°	11850.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11850.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	8531	
5°	8438	795
15°	7608	2129
25°	6060	2762
35°	3979	2499
45°	2479	1971
55°	1096	1039
65°	335	353
75°	203	212
85°	88	92
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	8531.2
2.5°	8490.4
5°	8437.8
7.5°	8309.5
10°	8099.4
12.5°	7870.9
15°	7608.3
17.5°	7288.2
20°	6923.0
22.5°	6513.7
25°	6060.1
27.5°	5551.6
30°	5018.9
32.5°	4490.3
35°	3979.2
37.5°	3521.5
40°	3120.5
42.5°	2762.9
45°	2478.6
47.5°	2401.0
50°	2055.1
52.5°	1608.2
55°	1096.3
57.5°	687.8
60°	546.9
62.5°	429.4
65°	335.1
67.5°	273.5
70°	236.8
72.5°	215.9
75°	202.6
77.5°	185.1
80°	159.2
82.5°	126.7
85°	87.5
87.5°	44.2
90°	0.0

(END OF REPORT)