

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: P1504370

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (4000K_L16_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504370
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 (4000K_L16_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

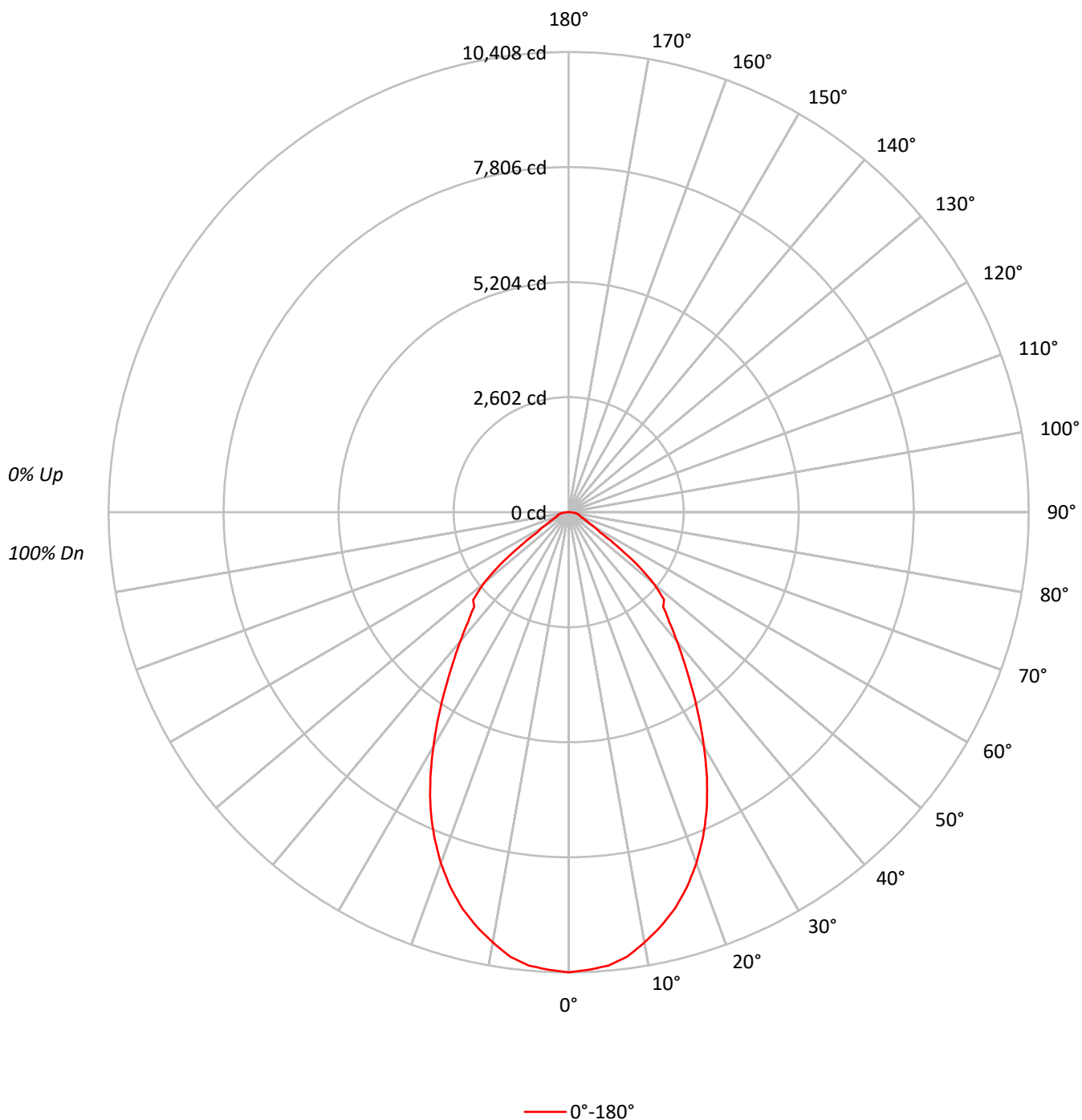
Lumens per Lamp: N/A
Luminaire Lumens: 14457.9 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Spacing Criteria (0/90/45): 0.97 / 0.97 / 1
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

Input Watts (W): 99.5
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°	95054
5°	94373
10°	91635
15°	87762
20°	82087
25°	74502
30°	64571
35°	54125
40°	45388
45°	39055
50°	35622
55°	21297
60°	12187
65°	8836
70°	7714
75°	8723
80°	10219
85°	11191

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 39598 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	969.5	6.7
10°-20°	2597.1	18.0
20°-30°	3370.1	23.3
30°-40°	3048.6	21.1
40°-50°	2404.4	16.6
50°-60°	1267.0	8.8
60°-70°	430.5	3.0
70°-80°	258.3	1.8
80°-90°	112.2	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°	6936.8	48.0
0°-40°	9985.4	69.1
0°-60°	13656.8	94.5
0°-90°	14457.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14457.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10408	
5°	10294	970
15°	9282	2597
25°	7393	3370
35°	4855	3049
45°	3024	2404
55°	1338	1267
65°	409	430
75°	247	258
85°	107	112
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	10407.9
2.5°	10358.1
5°	10294.0
7.5°	10137.4
10°	9881.1
12.5°	9602.4
15°	9282.0
17.5°	8891.4
20°	8446.0
22.5°	7946.6
25°	7393.3
27.5°	6772.8
30°	6122.9
32.5°	5478.1
35°	4854.6
37.5°	4296.2
40°	3807.0
42.5°	3370.7
45°	3023.8
47.5°	2929.2
50°	2507.1
52.5°	1962.0
55°	1337.5
57.5°	839.1
60°	667.2
62.5°	523.8
65°	408.9
67.5°	333.6
70°	288.9
72.5°	263.4
75°	247.2
77.5°	225.8
80°	194.3
82.5°	154.6
85°	106.8
87.5°	53.9
90°	0.0

(END OF REPORT)