

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: P1504369

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-A-04-WHGL-PS (4000K_L16_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504369
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-23)
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_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

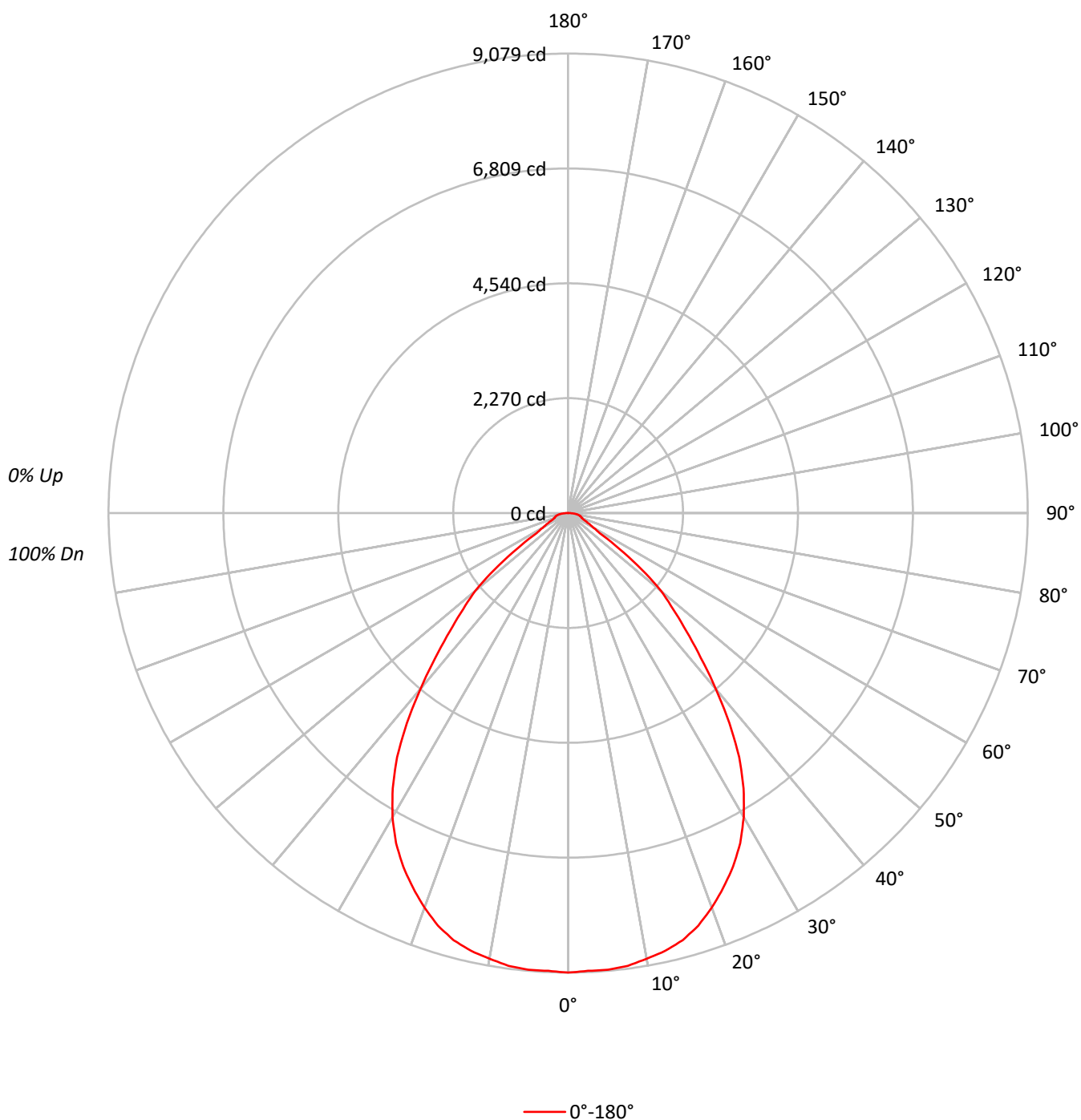
Lumens per Lamp: N/A
Luminaire Lumens: 15022.8 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.14
Luminous Opening: Circular (Dia: 1.23' x H: 0')
CIE Type: Direct

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	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	84	87	84	82	80		
3	97	89	83	78	95	88	82	77	85	80	76	82	78	74	80	76	73	71		
4	91	81	74	69	89	80	73	68	78	72	67	75	71	67	73	69	66	64		
5	85	74	67	62	83	73	66	61	71	65	61	69	64	60	68	63	59	58		
6	79	68	61	55	78	67	60	55	66	59	55	64	59	54	63	58	54	52		
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47		
8	70	58	51	46	68	57	51	46	56	50	45	55	49	45	54	49	45	43		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	82914
5°	83025
10°	82920
15°	82608
20°	80613
25°	77680
30°	73152
35°	65646
40°	54094
45°	42602
50°	34120
55°	19483
60°	10664
65°	8396
70°	7848
75°	9044
80°	10698
85°	12260

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42602 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	860.9	5.7
10°-20°	2454.3	16.3
20°-30°	3533.4	23.5
30°-40°	3630.4	24.2
40°-50°	2582.9	17.2
50°-60°	1169.9	7.8
60°-70°	402.3	2.7
70°-80°	267.2	1.8
80°-90°	121.6	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°	6848.6	45.6
0°-40°	10479.0	69.8
0°-60°	14231.8	94.7
0°-90°	15022.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15022.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9079	
5°	9056	861
15°	8737	2454
25°	7709	3533
35°	5888	3630
45°	3298	2583
55°	1224	1170
65°	388	402
75°	256	267
85°	117	122
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	9078.6
2.5°	9054.2
5°	9056.2
7.5°	9022.7
10°	8941.3
12.5°	8859.9
15°	8736.9
17.5°	8547.7
20°	8294.4
22.5°	8010.6
25°	7708.6
27.5°	7356.7
30°	6936.6
32.5°	6447.4
35°	5888.0
37.5°	5231.9
40°	4537.3
42.5°	3879.2
45°	3298.4
47.5°	2810.2
50°	2401.4
52.5°	1837.9
55°	1223.6
57.5°	737.4
60°	583.8
62.5°	475.0
65°	388.5
67.5°	326.5
70°	293.9
72.5°	271.6
75°	256.3
77.5°	234.9
80°	203.4
82.5°	164.8
85°	117.0
87.5°	63.1
90°	0.0

(END OF REPORT)