

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: P1504713

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3000K_L16_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504713
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-36)
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-04-WHGL-PS (3000K_L16_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

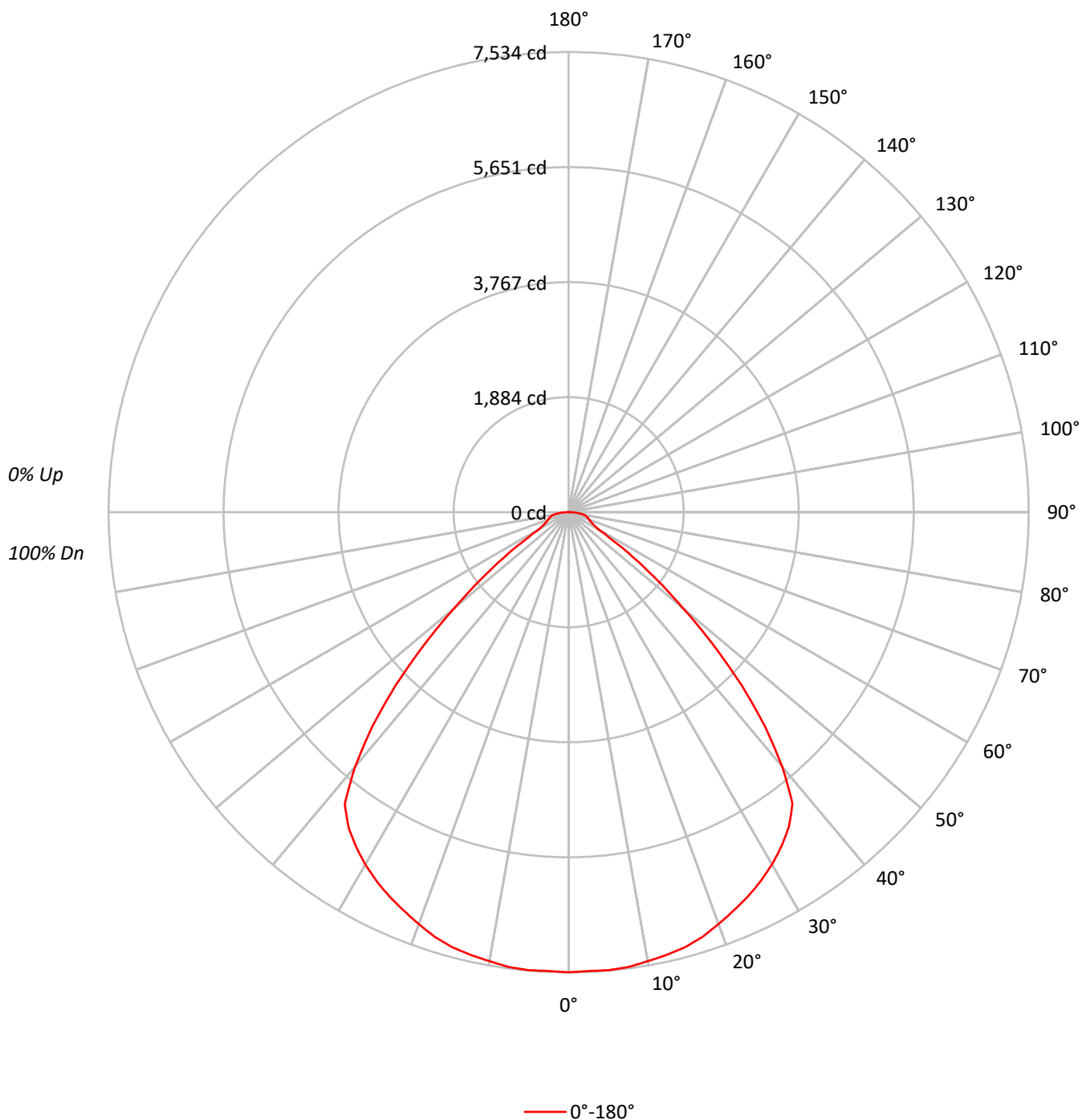
Lumens per Lamp: N/A
Luminaire Lumens: 15056.1 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 102.3
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
RC	80					70						30						0
RW	70	50	30	10		70	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	100
1	111	108	104	101		109	105	102	100		101	99	96		97	95	94	89
2	104	97	92	87		101	95	90	86		92	88	84		89	85	82	79
3	96	88	81	76		94	86	80	75		83	78	74		81	76	73	70
4	89	80	72	67		87	78	72	66		76	70	65		74	69	65	62
5	83	72	65	59		81	71	64	59		69	63	58		68	62	58	55
6	78	66	58	53		76	65	58	53		64	57	52		62	56	52	50
7	72	61	53	48		71	60	53	47		58	52	47		57	51	47	45
8	68	56	48	43		66	55	48	43		54	47	43		53	47	43	41
9	64	52	44	39		62	51	44	39		50	43	39		49	43	39	37
10	60	48	41	36		59	47	40	36		46	40	36		46	40	36	34

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	65207
5°	65398
10°	65594
15°	66053
20°	66117
25°	66310
30°	66545
35°	66442
40°	61473
45°	48948
50°	32922
55°	19657
60°	9602
65°	8708
70°	9050
75°	10631
80°	12671
85°	14301

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 48948 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	716.5	4.8
10°-20°	2079.7	13.8
20°-30°	3202.2	21.3
30°-40°	3888.1	25.8
40°-50°	3045.4	20.2
50°-60°	1212.5	8.1
60°-70°	431.1	2.9
70°-80°	331.0	2.2
80°-90°	149.5	1.0
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°	5998.4	39.8
0°-40°	9886.6	65.7
0°-60°	14144.5	93.9
0°-90°	15056.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15056.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	7534	
5°	7527	716
15°	7371	2080
25°	6943	3202
35°	6288	3888
45°	3999	3045
55°	1303	1212
65°	425	431
75°	318	331
85°	144	150
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	7533.7
2.5°	7519.2
5°	7527.0
7.5°	7509.6
10°	7463.2
12.5°	7422.6
15°	7371.4
17.5°	7289.2
20°	7178.1
22.5°	7059.2
25°	6943.3
27.5°	6811.8
30°	6658.2
32.5°	6485.2
35°	6288.1
37.5°	6020.4
40°	5440.6
42.5°	4757.4
45°	3998.8
47.5°	3196.7
50°	2444.9
52.5°	1825.4
55°	1302.6
57.5°	851.4
60°	554.7
62.5°	480.3
65°	425.2
67.5°	380.7
70°	357.6
72.5°	337.3
75°	317.9
77.5°	291.8
80°	254.2
82.5°	206.8
85°	144.0
87.5°	71.5
90°	0.0

(END OF REPORT)