

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: P1504729

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504729
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-35)
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 (4000K_L16_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 16,000 LUMENS
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

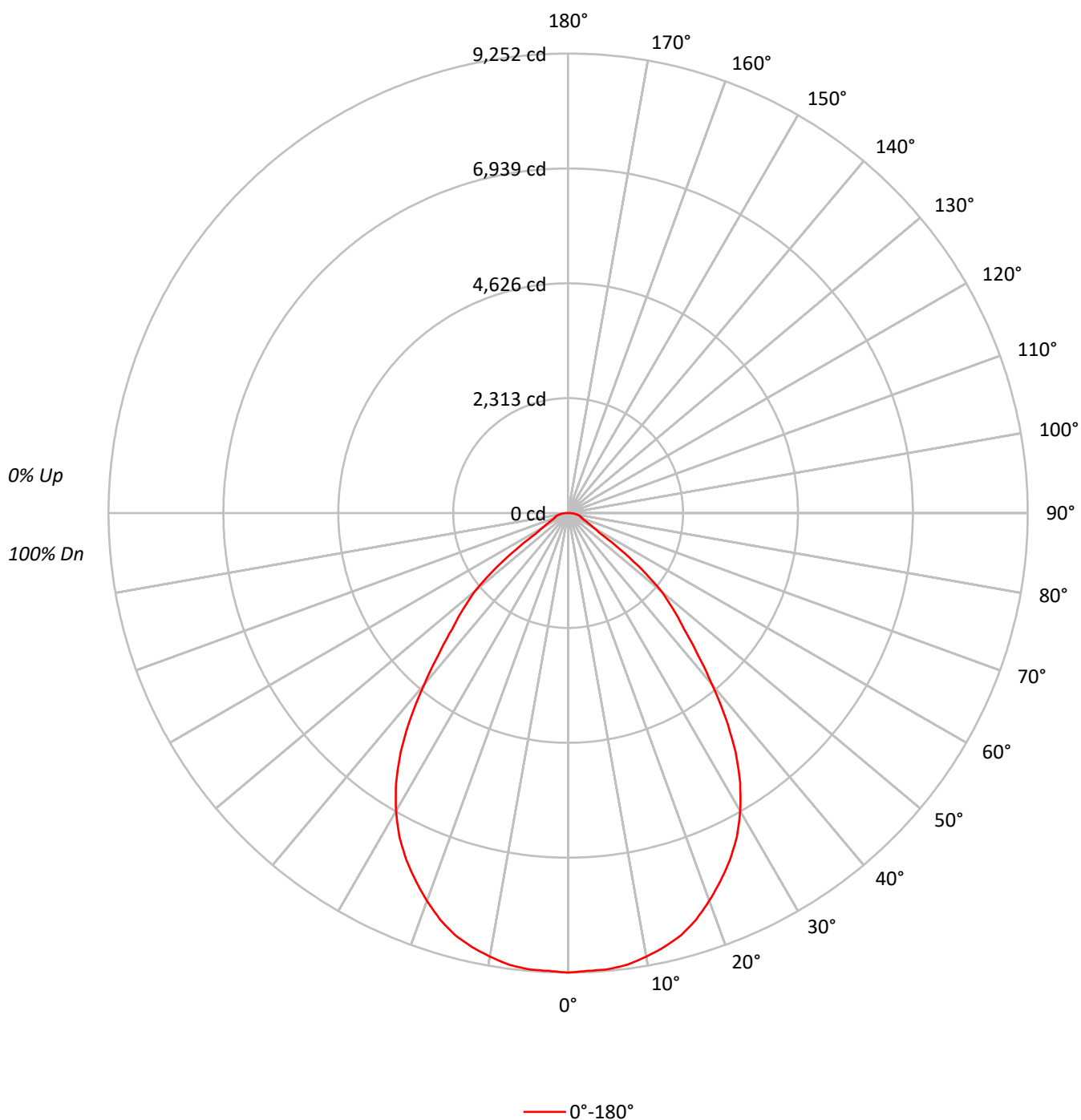
Lumens per Lamp: N/A
Luminaire Lumens: 15077.9 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.13
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

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	68	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°	80076
5°	80125
10°	79693
15°	78836
20°	76511
25°	73589
30°	69276
35°	62064
40°	50887
45°	40400
50°	33020
55°	19139
60°	10371
65°	8082
70°	7438
75°	8401
80°	9530
85°	10298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40400 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	875.4	5.8
10°-20°	2470.4	16.4
20°-30°	3533.4	23.4
30°-40°	3622.0	24.0
40°-50°	2593.8	17.2
50°-60°	1203.6	8.0
60°-70°	408.4	2.7
70°-80°	261.2	1.7
80°-90°	109.6	0.7
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°	6879.2	45.6
0°-40°	10501.2	69.6
0°-60°	14298.6	94.8
0°-90°	15077.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15077.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	9252	
5°	9222	875
15°	8798	2470
25°	7706	3533
35°	5874	3622
45°	3300	2594
55°	1268	1204
65°	395	408
75°	251	261
85°	104	110
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	9251.5
2.5°	9227.1
5°	9222.0
7.5°	9170.1
10°	9067.4
12.5°	8949.4
15°	8797.9
17.5°	8579.2
20°	8306.6
22.5°	8016.7
25°	7705.5
27.5°	7352.6
30°	6931.5
32.5°	6443.3
35°	5873.7
37.5°	5217.7
40°	4503.7
42.5°	3858.9
45°	3300.5
47.5°	2870.2
50°	2452.2
52.5°	1885.7
55°	1268.3
57.5°	763.8
60°	599.1
62.5°	484.1
65°	394.6
67.5°	328.5
70°	293.9
72.5°	269.5
75°	251.2
77.5°	225.8
80°	191.2
82.5°	149.5
85°	103.7
87.5°	53.9
90°	0.0

(END OF REPORT)