

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: P1505441

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505441
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-97)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

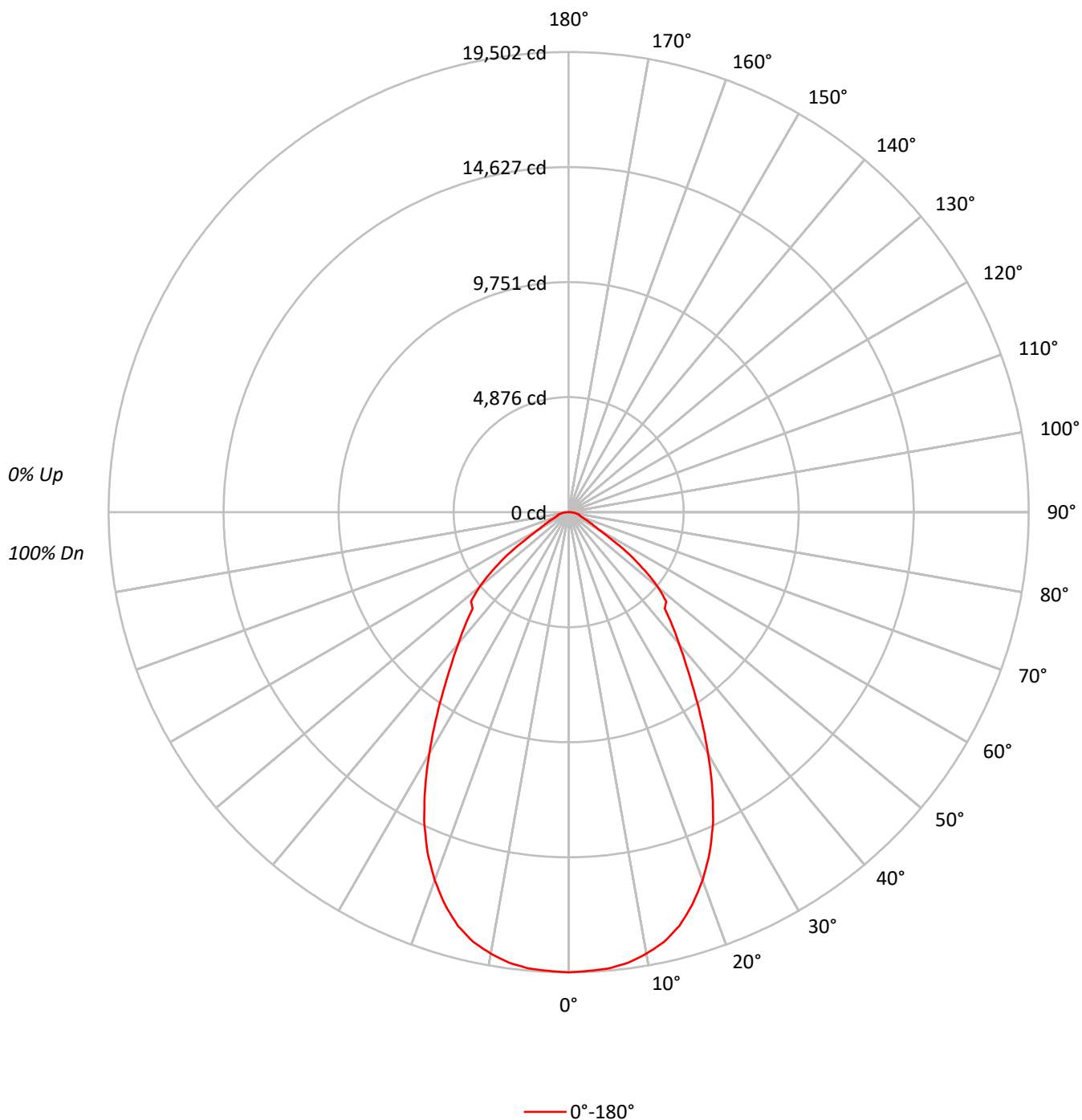
Lumens per Lamp: N/A
Luminaire Lumens: 28378.4 lumens
Efficiency: N/A
Efficacy: 144.3 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 196.7
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	94	93	92	90		
2	104	98	93	88	102	96	91	87	93	89	85	90	86	83	87	84	82	80		
3	97	89	83	77	95	87	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	56	78	67	60	55	66	60	55	64	59	54	63	58	54	52		
7	74	63	56	50	73	62	55	50	61	55	50	60	54	50	58	53	49	48		
8	70	58	51	46	69	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	37		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	139671
5°	139557
10°	138168
15°	134536
20°	126441
25°	114433
30°	97683
35°	81022
40°	68062
45°	58289
50°	55097
55°	39694
60°	20712
65°	15523
70°	11978
75°	12867
80°	14559
85°	15202

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 59503 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1839.9	6.5
10°-20°	5069.9	17.9
20°-30°	6584.9	23.2
30°-40°	5833.5	20.6
40°-50°	4618.3	16.3
50°-60°	2808.1	9.9
60°-70°	935.9	3.3
70°-80°	490.0	1.7
80°-90°	198.0	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°	13494.7	47.6
0°-40°	19328.2	68.1
0°-60°	26754.6	94.3
0°-90°	28378.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	28378.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19502	
5°	19412	###
15°	18145	5070
25°	14481	6585
35°	9267	5834
45°	5755	4618
55°	3179	2808
65°	916	936
75°	465	490
85°	185	198
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	19502
2.5°	19460
5°	19412
7.5°	19262
10°	18999
12.5°	18660
15°	18145
17.5°	17436
20°	16590
22.5°	15620
25°	14481
27.5°	13168
30°	11812
32.5°	10502
35°	9267
37.5°	8186
40°	7280
42.5°	6488
45°	5755
47.5°	5613
50°	4945
52.5°	4080
55°	3179
57.5°	2203
60°	1446
62.5°	1163
65°	916
67.5°	706
70°	572
72.5°	509
75°	465
77.5°	419
80°	353
82.5°	274
85°	185
87.5°	92
90°	0

(END OF REPORT)