

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: P1505462

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505462
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 (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

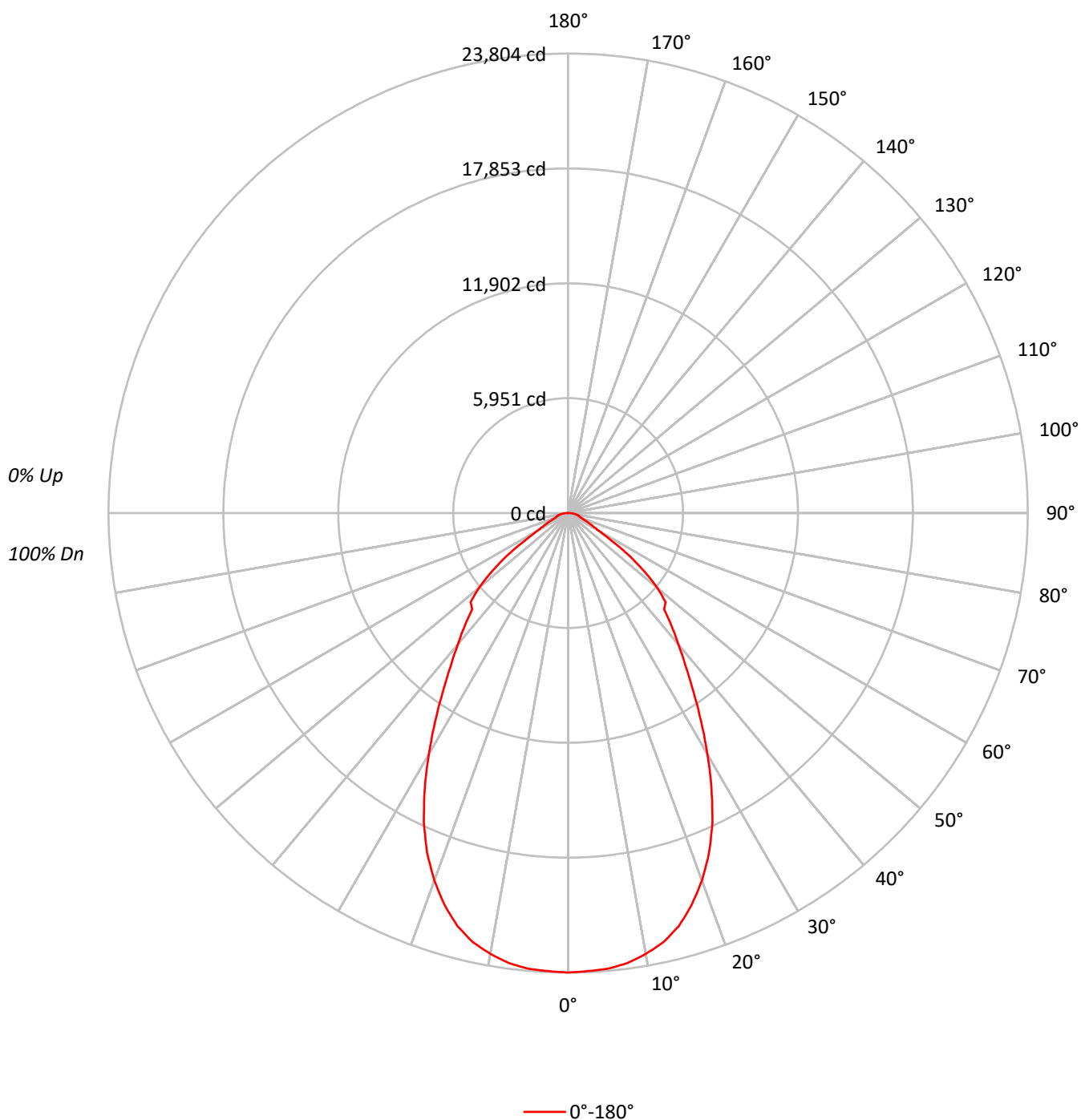
Lumens per Lamp: N/A
Luminaire Lumens: 34638.8 lumens
Efficiency: N/A
Efficacy: 148.5 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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				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°	170483
5°	170345
10°	168648
15°	164216
20°	154335
25°	139677
30°	119233
35°	98896
40°	83077
45°	71148
50°	67251
55°	48451
60°	25281
65°	18948
70°	14620
75°	15706
80°	17772
85°	18555

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 72630 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2245.7	6.5
10°-20°	6188.4	17.9
20°-30°	8037.5	23.2
30°-40°	7120.4	20.6
40°-50°	5637.1	16.3
50°-60°	3427.6	9.9
60°-70°	1142.3	3.3
70°-80°	598.0	1.7
80°-90°	241.6	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°	16471.7	47.6
0°-40°	23592.1	68.1
0°-60°	32656.8	94.3
0°-90°	34638.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34638.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23804	
5°	23694	###
15°	22148	6188
25°	17676	8038
35°	11311	7120
45°	7025	5637
55°	3880	3428
65°	1118	1142
75°	568	598
85°	226	242
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	23804.3
2.5°	23753.0
5°	23694.5
7.5°	23511.4
10°	23190.3
12.5°	22776.6
15°	22147.9
17.5°	21282.5
20°	20249.9
22.5°	19065.9
25°	17675.6
27.5°	16073.0
30°	14417.8
32.5°	12818.8
35°	11311.4
37.5°	9991.9
40°	8886.0
42.5°	7919.3
45°	7024.6
47.5°	6851.3
50°	6035.9
52.5°	4980.1
55°	3880.3
57.5°	2689.0
60°	1765.0
62.5°	1419.6
65°	1118.1
67.5°	861.7
70°	698.2
72.5°	621.3
75°	567.6
77.5°	511.4
80°	430.9
82.5°	334.4
85°	225.8
87.5°	112.3
90°	0.0

(END OF REPORT)