

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: P1505453

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (4000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505453
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 (4000K_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

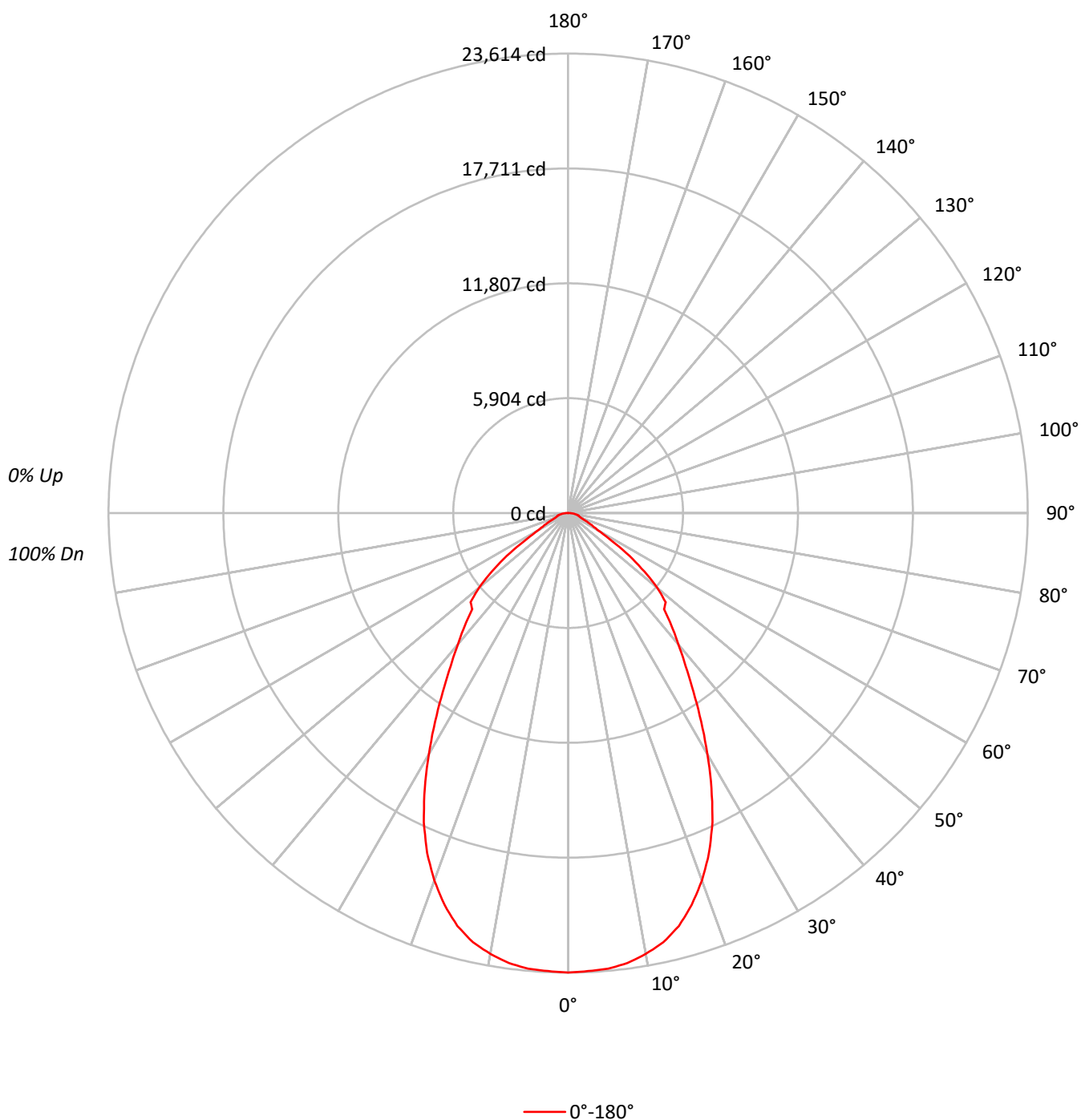
Lumens per Lamp: N/A
Luminaire Lumens: 34362.4 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Spacing Criteria (0/90/45): 1 / 1 / 1.01
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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°	169123
5°	168986
10°	167303
15°	162906
20°	153103
25°	138563
30°	118282
35°	98107
40°	82414
45°	70580
50°	66714
55°	48065
60°	25079
65°	18797
70°	14503
75°	15582
80°	17628
85°	18407

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 72050 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2227.8	6.5
10°-20°	6139.0	17.9
20°-30°	7973.4	23.2
30°-40°	7063.6	20.6
40°-50°	5592.1	16.3
50°-60°	3400.2	9.9
60°-70°	1133.2	3.3
70°-80°	593.3	1.7
80°-90°	239.7	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°	16340.3	47.6
0°-40°	23403.9	68.1
0°-60°	32396.2	94.3
0°-90°	34362.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34362.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23614	
5°	23505	###
15°	21971	6139
25°	17535	7973
35°	11221	7064
45°	6968	5592
55°	3849	3400
65°	1109	1133
75°	563	593
85°	224	240
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23614.4
2.5°	23563.5
5°	23505.4
7.5°	23323.7
10°	23005.3
12.5°	22594.8
15°	21971.2
17.5°	21112.7
20°	20088.3
22.5°	18913.8
25°	17534.6
27.5°	15944.7
30°	14302.8
32.5°	12716.5
35°	11221.1
37.5°	9912.2
40°	8815.1
42.5°	7856.1
45°	6968.5
47.5°	6796.6
50°	5987.7
52.5°	4940.3
55°	3849.4
57.5°	2667.5
60°	1750.9
62.5°	1408.2
65°	1109.2
67.5°	854.9
70°	692.6
72.5°	616.3
75°	563.1
77.5°	507.4
80°	427.4
82.5°	331.8
85°	224.0
87.5°	111.4
90°	0.0

(END OF REPORT)