

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: P1504958

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504958
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-79)
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-A-04-BLAK-PS (4000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

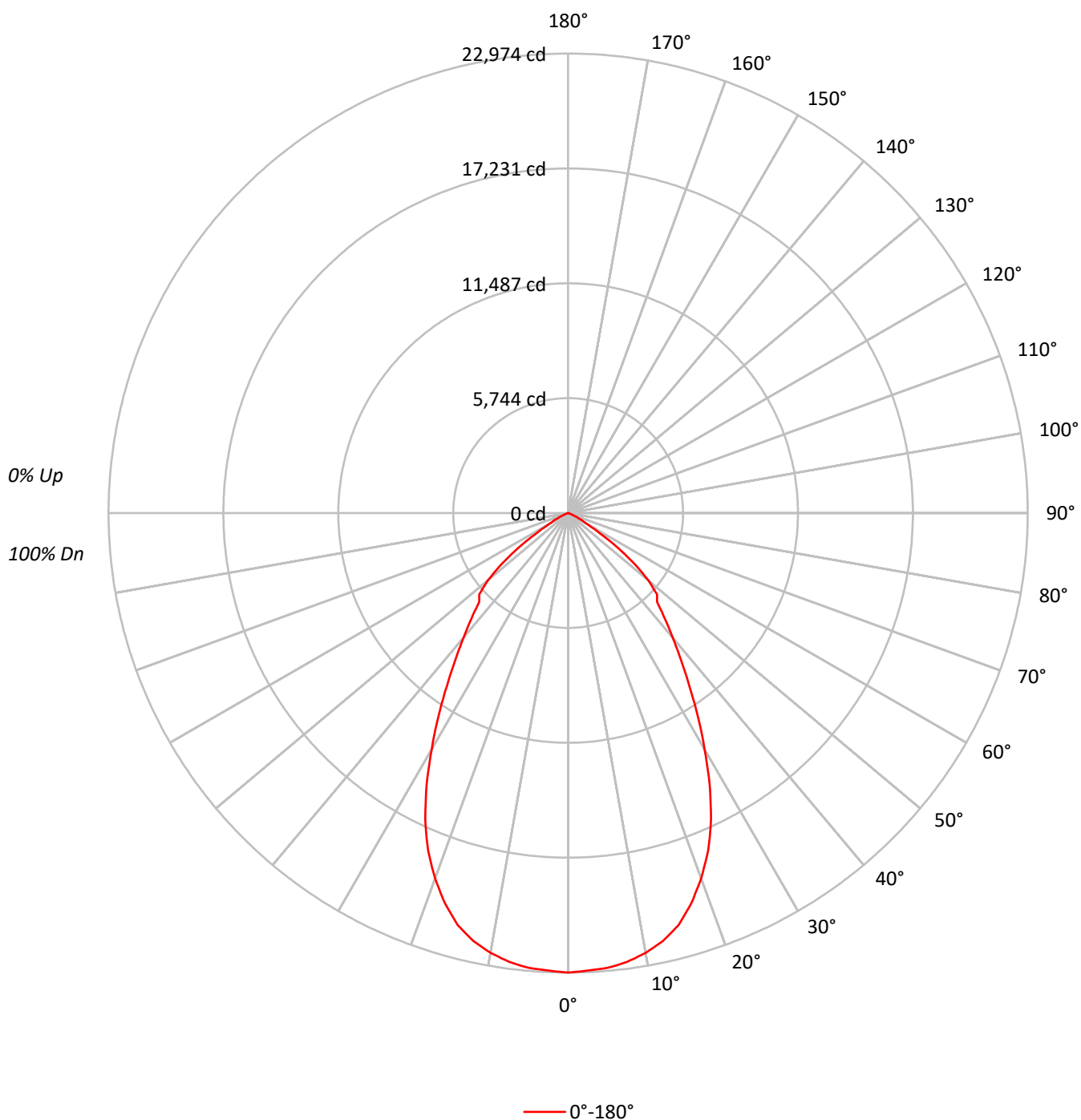
Lumens per Lamp: N/A
Luminaire Lumens: 30700.0 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	81	97	90	84	80	87	82	79	84	81	77	82	79	76	74		
4	93	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56		
7	76	66	58	54	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	71	60	54	49	59	53	49	58	52	49	57	52	48	47		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	168573
5°	168102
10°	166347
15°	161991
20°	151735
25°	136826
30°	115582
35°	94711
40°	77883
45°	65151
50°	59658
55°	38958
60°	15460
65°	7589
70°	1974
75°	584
80°	718
85°	817

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 65388 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2162.7	7.0
10°-20°	5952.1	19.4
20°-30°	7676.6	25.0
30°-40°	6649.9	21.7
40°-50°	5031.0	16.4
50°-60°	2708.5	8.8
60°-70°	474.3	1.5
70°-80°	35.0	0.1
80°-90°	9.9	0.0
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°	15791.3	51.4
0°-40°	22441.2	73.1
0°-60°	30180.8	98.3
0°-90°	30700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30700.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22974	
5°	22822	###
15°	21325	5952
25°	16900	7677
35°	10573	6650
45°	6278	5031
55°	3045	2709
65°	437	474
75°	21	35
85°	10	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	22973.8
2.5°	22892.7
5°	22822.4
7.5°	22632.3
10°	22326.0
12.5°	21909.5
15°	21324.6
17.5°	20464.9
20°	19432.0
22.5°	18276.8
25°	16900.1
27.5°	15310.2
30°	13641.6
32.5°	12062.7
35°	10573.3
37.5°	9253.5
40°	8131.0
42.5°	7152.6
45°	6278.4
47.5°	6020.4
50°	5226.1
52.5°	4175.1
55°	3045.3
57.5°	1881.7
60°	1053.5
62.5°	708.4
65°	437.1
67.5°	218.0
70°	92.0
72.5°	38.7
75°	20.6
77.5°	19.4
80°	17.0
82.5°	13.3
85°	9.7
87.5°	4.8
90°	0.0

(END OF REPORT)