

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: P1504957

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504957
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-80)
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_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

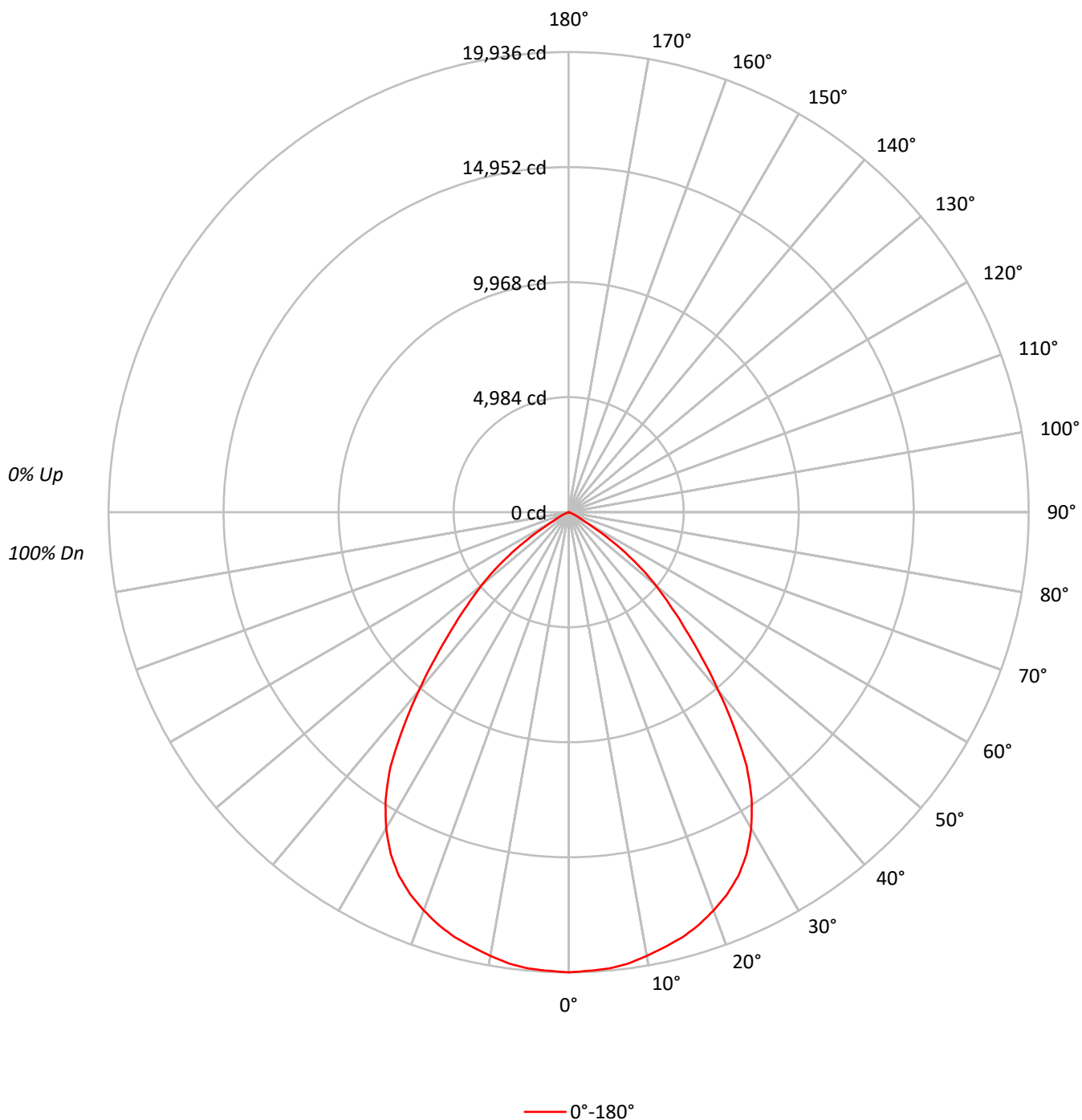
Lumens per Lamp: N/A
Luminaire Lumens: 31908.6 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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					0
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	97	96	96	94	93	91			
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82			
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	79	76	74			
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	72	68	67			
5	86	76	69	64	84	75	69	64	73	67	63	71	66	62	70	65	62	60			
6	81	70	63	58	79	69	62	57	68	61	57	66	61	57	65	60	56	54			
7	76	65	57	52	74	64	57	52	62	56	52	61	56	52	60	55	51	50			
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45			
9	67	55	48	44	66	55	48	44	54	48	43	53	47	43	52	47	43	42			
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	43	40	38			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	146281
5°	146188
10°	145407
15°	144791
20°	143358
25°	140757
30°	134049
35°	120526
40°	96696
45°	73996
50°	56327
55°	35550
60°	11479
65°	5592
70°	1506
75°	584
80°	718
85°	817

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 73996 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1883.9	5.9
10°-20°	5372.0	16.8
20°-30°	7961.8	25.0
30°-40°	8247.8	25.8
40°-50°	5582.9	17.5
50°-60°	2470.1	7.7
60°-70°	349.2	1.1
70°-80°	30.9	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°	15217.8	47.7
0°-40°	23465.6	73.5
0°-60°	31518.6	98.8
0°-90°	31908.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31908.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19936	
5°	19847	###
15°	19060	5372
25°	17386	7962
35°	13455	8248
45°	7131	5583
55°	2779	2470
65°	322	349
75°	21	31
85°	10	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19935.7
2.5°	19888.5
5°	19847.3
7.5°	19722.6
10°	19515.6
12.5°	19290.3
15°	19060.3
17.5°	18746.7
20°	18359.2
22.5°	17922.1
25°	17385.6
27.5°	16699.1
30°	15821.2
32.5°	14765.3
35°	13455.2
37.5°	11791.4
40°	10095.0
42.5°	8530.6
45°	7130.8
47.5°	5941.7
50°	4934.3
52.5°	3872.4
55°	2778.9
57.5°	1666.2
60°	782.2
62.5°	509.8
65°	322.1
67.5°	167.1
70°	70.2
72.5°	33.9
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)