

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: P1504937

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-BLAK-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504937
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 (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

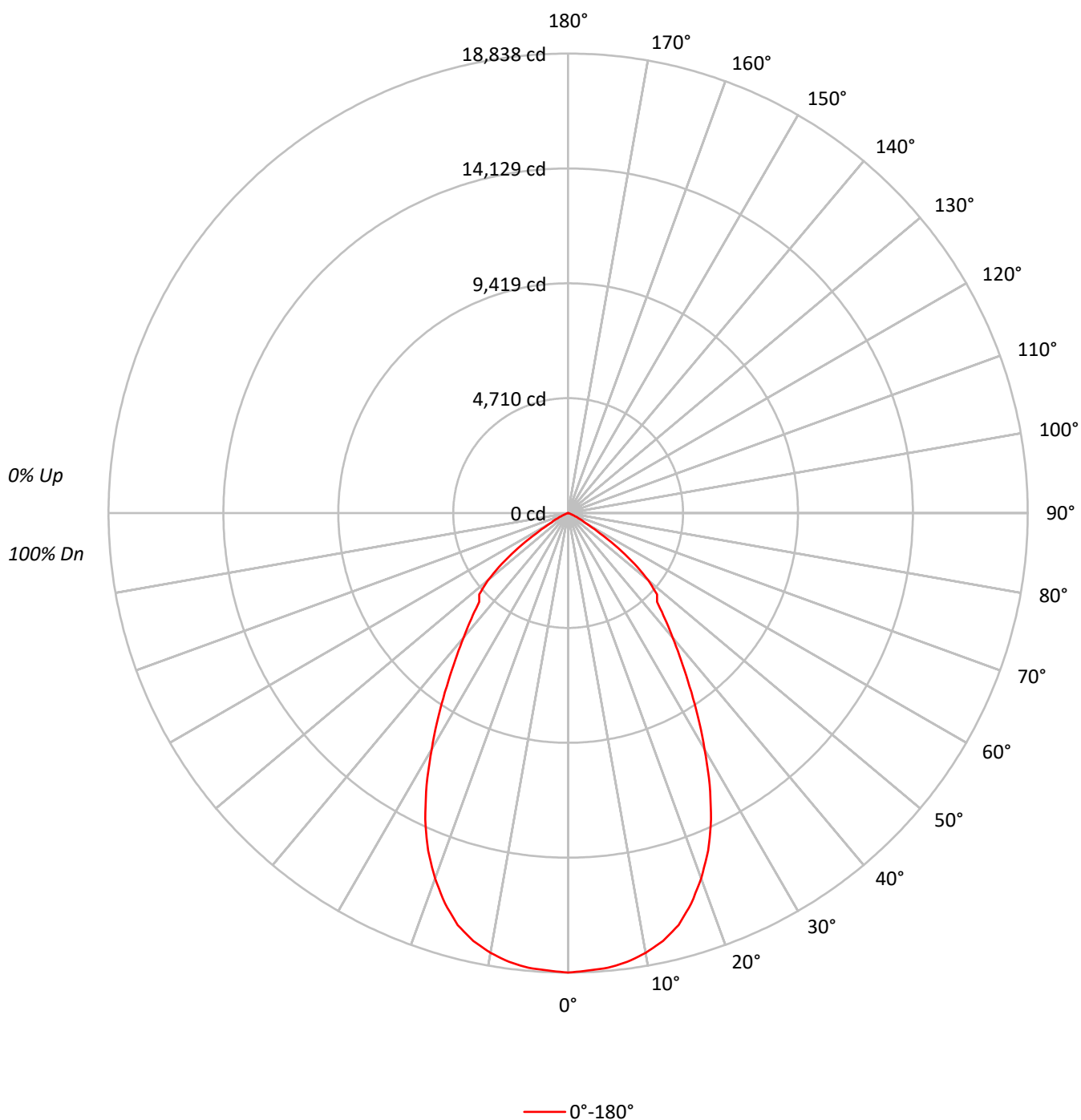
Lumens per Lamp: N/A
Luminaire Lumens: 25173.6 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 199.4
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	50	30	10	50	30	10		
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°	138228
5°	137842
10°	136403
15°	132832
20°	124422
25°	112196
30°	94776
35°	77662
40°	63863
45°	53423
50°	48919
55°	31945
60°	12676
65°	6223
70°	1620
75°	479
80°	587
85°	665

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 53618 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1773.4	7.0
10°-20°	4880.6	19.4
20°-30°	6294.7	25.0
30°-40°	5452.8	21.7
40°-50°	4125.4	16.4
50°-60°	2221.0	8.8
60°-70°	388.9	1.5
70°-80°	28.7	0.1
80°-90°	8.1	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°	12948.7	51.4
0°-40°	18401.6	73.1
0°-60°	24747.9	98.3
0°-90°	25173.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25173.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18838	
5°	18714	###
15°	17486	4881
25°	13858	6295
35°	8670	5453
45°	5148	4125
55°	2497	2221
65°	358	389
75°	17	29
85°	8	8
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18838.3
2.5°	18771.8
5°	18714.2
7.5°	18558.3
10°	18307.1
12.5°	17965.5
15°	17486.0
17.5°	16781.0
20°	15934.1
22.5°	14986.8
25°	13857.9
27.5°	12554.2
30°	11186.0
32.5°	9891.3
35°	8670.0
37.5°	7587.7
40°	6667.3
42.5°	5865.1
45°	5148.2
47.5°	4936.7
50°	4285.4
52.5°	3423.5
55°	2497.1
57.5°	1543.0
60°	863.8
62.5°	580.8
65°	358.4
67.5°	178.7
70°	75.5
72.5°	31.8
75°	16.9
77.5°	15.9
80°	13.9
82.5°	10.9
85°	7.9
87.5°	4.0
90°	0.0

(END OF REPORT)