

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: P1505126

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-06-BLAK-PS (3500K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505126
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-103)
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-06-BLAK-PS (3500K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

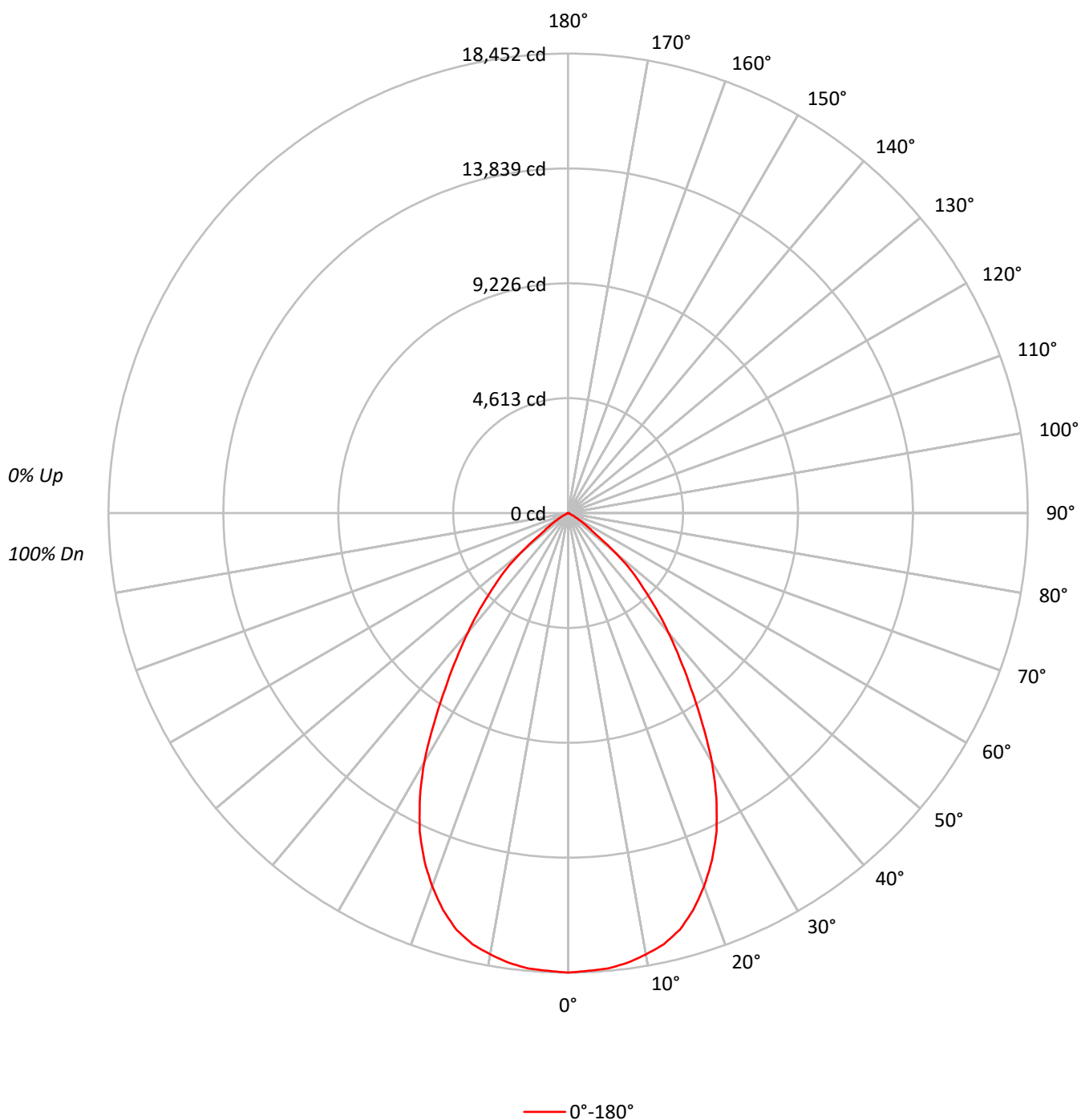
Lumens per Lamp: N/A
Luminaire Lumens: 22821.4 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1
Luminous Opening: Circular (Dia: 1.43' x H: 0')
CIE Type: Direct

Input Watts (W): 196.3
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				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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			
2	106	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			
3	100	93	87	83	98	92	87	82	89	85	81	86	83	80	84	81	79	77			
4	94	86	80	75	92	85	79	74	82	77	74	80	76	73	78	75	72	70			
5	89	79	73	68	87	78	72	68	77	71	67	75	70	66	73	69	66	64			
6	84	74	67	62	82	73	66	62	71	66	61	70	65	61	68	64	61	59			
7	79	68	62	57	77	68	61	57	66	61	57	65	60	56	64	59	56	54			
8	74	64	57	53	73	63	57	52	62	56	52	61	56	52	60	55	52	50			
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	51	48	47			
10	67	56	49	45	65	55	49	45	55	49	45	54	49	45	53	48	45	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	123092
5°	122919
10°	121882
15°	119623
20°	113244
25°	103725
30°	89015
35°	70020
40°	54383
45°	40416
50°	26049
55°	10991
60°	4443
65°	1026
70°	605
75°	644
80°	691
85°	689

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 40416 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1740.4	7.6
10°-20°	4841.5	21.2
20°-30°	6399.7	28.0
30°-40°	5410.9	23.7
40°-50°	3329.4	14.6
50°-60°	957.2	4.2
60°-70°	106.4	0.5
70°-80°	26.0	0.1
80°-90°	9.8	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°	12981.7	56.9
0°-40°	18392.6	80.6
0°-60°	22679.2	99.4
0°-90°	22821.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22821.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18452	
5°	18356	###
15°	17321	4842
25°	14092	6400
35°	8598	5411
45°	4284	3329
55°	945	957
65°	65	106
75°	25	26
85°	9	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	18452
2.5°	18399
5°	18356
7.5°	18217
10°	17993
12.5°	17735
15°	17321
17.5°	16707
20°	15952
22.5°	15091
25°	14092
27.5°	12883
30°	11556
32.5°	10019
35°	8598
37.5°	7351
40°	6245
42.5°	5247
45°	4284
47.5°	3487
50°	2510
52.5°	1354
55°	945
57.5°	620
60°	333
62.5°	153
65°	65
67.5°	36
70°	31
72.5°	28
75°	25
77.5°	21
80°	18
82.5°	13
85°	9
87.5°	5
90°	0

(END OF REPORT)