

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: P1505477

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-06-BLAK-PS (3000K_L32_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505477
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-115)
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-06-BLAK-PS (3000K_L32_Narrow_120V)
Description: PrentaLux UHBS2 6-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

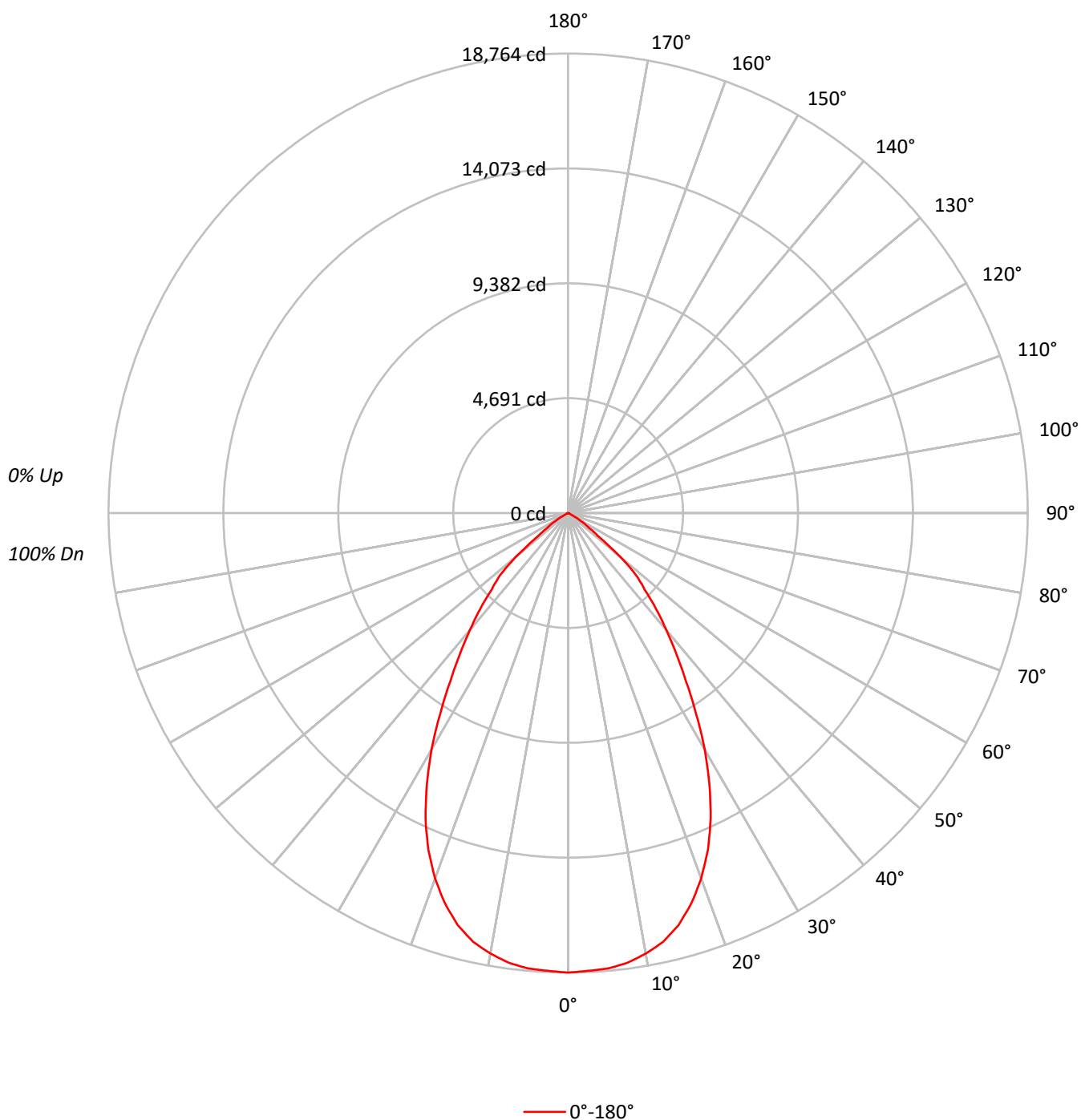
Lumens per Lamp: N/A
Luminaire Lumens: 22853.9 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.98
Luminous Opening: Circular (Dia: 1.47' x H: 0')
CIE Type: Direct

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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92							
2	106	101	96	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84							
3	100	93	87	83	98	91	86	82	89	84	81	86	83	80	84	81	78	77							
4	94	86	79	75	92	84	79	74	82	77	73	80	76	72	78	75	72	70							
5	89	79	73	68	87	78	72	67	76	71	67	75	70	66	73	69	66	64							
6	83	73	67	62	82	73	66	62	71	65	61	70	65	61	68	64	60	59							
7	79	68	61	57	77	68	61	57	66	60	56	65	60	56	64	59	56	54							
8	74	64	57	52	73	63	57	52	62	56	52	61	56	52	60	55	51	50							
9	70	59	53	48	69	59	53	48	58	52	48	57	52	48	56	51	48	46							
10	66	56	49	45	65	55	49	45	54	49	45	54	48	45	53	48	45	43							

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	119547
5°	119375
10°	118147
15°	114877
20°	107609
25°	96804
30°	82045
35°	65310
40°	51802
45°	39774
50°	27516
55°	11304
60°	4846
65°	1108
70°	574
75°	586
80°	583
85°	577

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 39774 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1769.2	7.7
10°-20°	4864.8	21.3
20°-30°	6262.4	27.4
30°-40°	5290.1	23.1
40°-50°	3455.0	15.1
50°-60°	1058.5	4.6
60°-70°	120.2	0.5
70°-80°	25.0	0.1
80°-90°	8.6	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°	12896.4	56.4
0°-40°	18186.5	79.6
0°-60°	22700.0	99.3
0°-90°	22853.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22853.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	18764	
5°	18666	###
15°	17416	4865
25°	13770	6262
35°	8397	5290
45°	4414	3455
55°	1018	1058
65°	74	120
75°	24	25
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	18763.8
2.5°	18710.2
5°	18665.5
7.5°	18527.5
10°	18262.4
12.5°	17931.8
15°	17416.5
17.5°	16721.4
20°	15871.5
22.5°	14897.5
25°	13770.5
27.5°	12494.7
30°	11152.3
32.5°	9726.4
35°	8397.0
37.5°	7255.1
40°	6228.5
42.5°	5314.0
45°	4414.4
47.5°	3793.9
50°	2776.1
52.5°	1519.1
55°	1017.7
57.5°	685.1
60°	380.3
62.5°	174.8
65°	73.5
67.5°	38.7
70°	30.8
72.5°	27.8
75°	23.8
77.5°	19.9
80°	15.9
82.5°	11.9
85°	7.9
87.5°	4.0
90°	0.0

(END OF REPORT)