

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: P1505332

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (6500K_L32_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505332
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-92)
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-04-BLAK-PS (6500K_L32_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 2 - 32,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

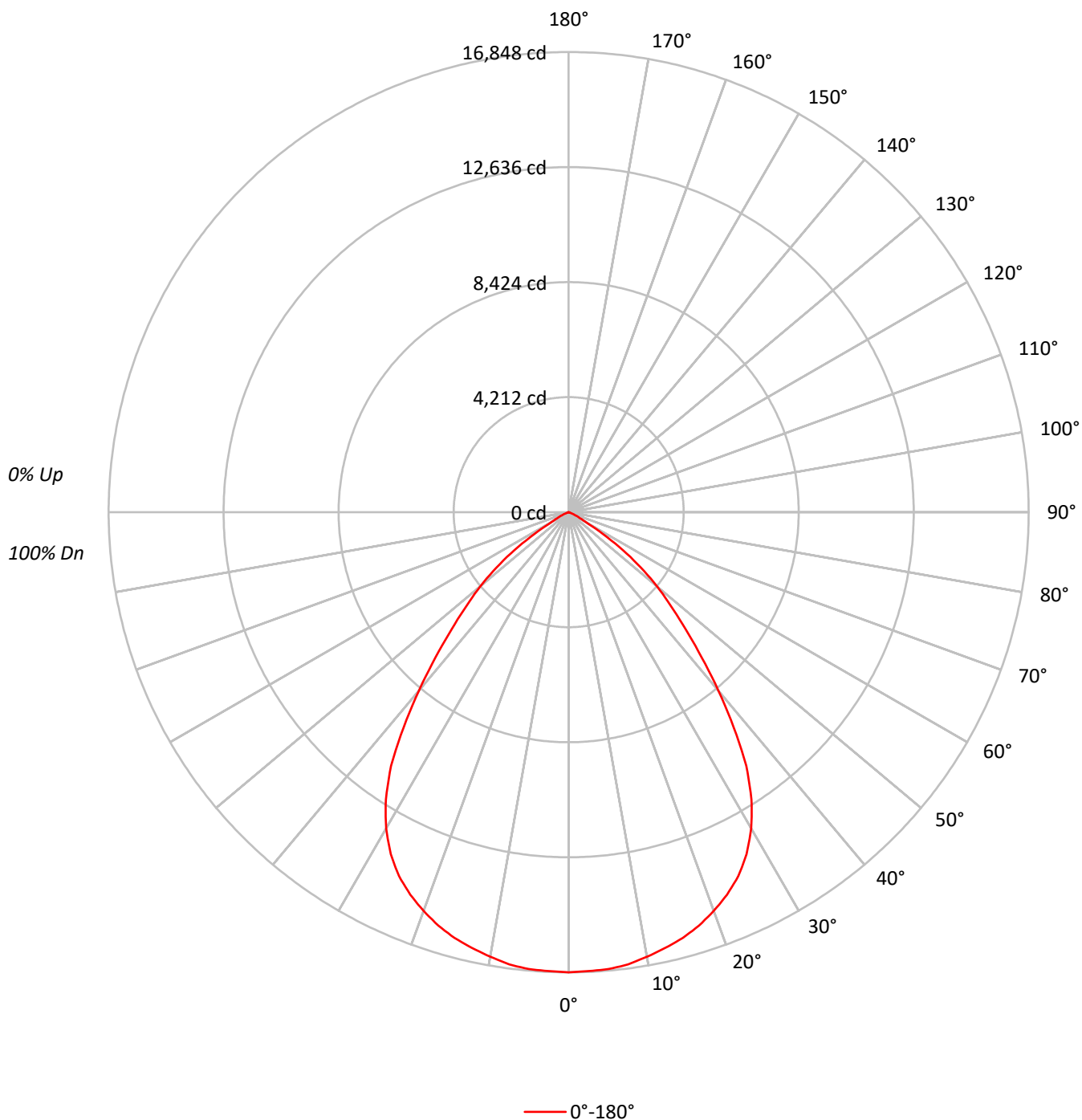
Lumens per Lamp: N/A
Luminaire Lumens: 27051.5 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 200.1
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	97	96	96	94	93	91		
2	105	100	95	91	103	98	93	90	94	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	78	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	75	71	68	66		
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60		
6	81	70	63	58	79	69	62	57	67	61	57	66	61	56	64	60	56	54		
7	76	64	57	52	74	64	57	52	62	56	52	61	56	51	60	55	51	49		
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	45		
9	67	55	48	44	65	55	48	44	54	48	43	53	47	43	52	47	43	41		
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°	120666
5°	120717
10°	120200
15°	119677
20°	118410
25°	116158
30°	110559
35°	99131
40°	79641
45°	61219
50°	46945
55°	30333
60°	9813
65°	4750
70°	1282
75°	509
80°	590
85°	674

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61219 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1594.5	5.9
10°-20°	4548.8	16.8
20°-30°	6731.5	24.9
30°-40°	6956.3	25.7
40°-50°	4732.8	17.5
50°-60°	2146.3	7.9
60°-70°	305.2	1.1
70°-80°	27.4	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°	12874.8	47.6
0°-40°	19831.1	73.3
0°-60°	26710.3	98.7
0°-90°	27051.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	27051.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	16848	
5°	16791	###
15°	16141	4549
25°	14699	6731
35°	11338	6956
45°	6044	4733
55°	2429	2146
65°	280	305
75°	18	27
85°	8	9
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	16848.4
2.5°	16816.8
5°	16791.3
7.5°	16697.5
10°	16528.3
12.5°	16342.7
15°	16140.9
17.5°	15870.7
20°	15536.3
22.5°	15158.1
25°	14699.4
27.5°	14112.2
30°	13369.0
32.5°	12464.7
35°	11338.3
37.5°	9931.4
40°	8518.5
42.5°	7212.6
45°	6044.3
47.5°	5057.5
50°	4213.4
52.5°	3334.6
55°	2429.3
57.5°	1493.5
60°	685.1
62.5°	445.5
65°	280.3
67.5°	146.8
70°	61.2
72.5°	30.6
75°	18.4
77.5°	17.3
80°	14.3
82.5°	11.2
85°	8.2
87.5°	5.1
90°	0.0

(END OF REPORT)