

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: P1505302

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505302
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 (3500K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

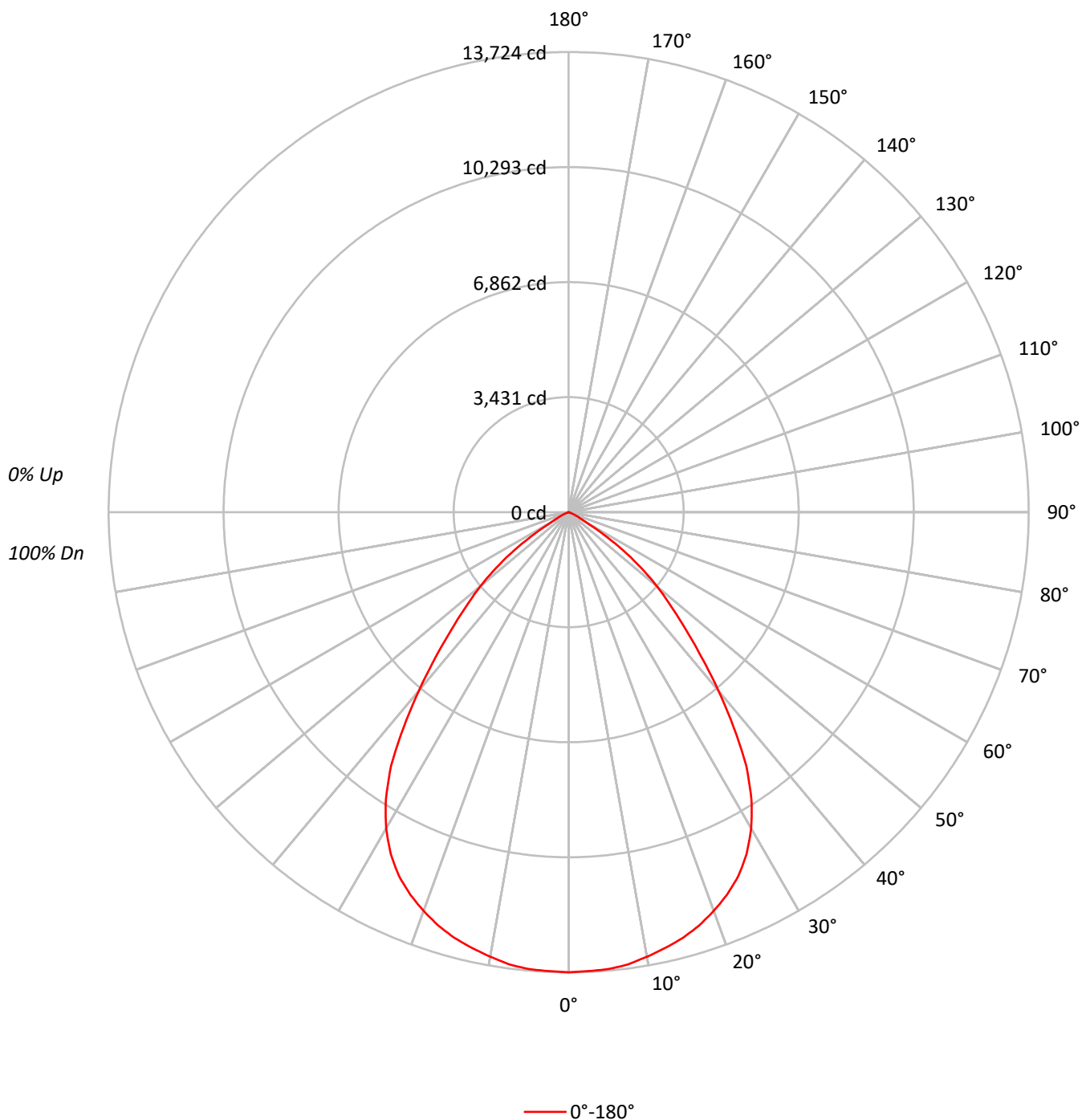
Lumens per Lamp: N/A
Luminaire Lumens: 22035.2 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 157.5
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°	98290
5°	98331
10°	97911
15°	97485
20°	96453
25°	94618
30°	90058
35°	80749
40°	64873
45°	49867
50°	38240
55°	24709
60°	7993
65°	3871
70°	1043
75°	412
80°	478
85°	542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 49867 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1298.8	5.9
10°-20°	3705.3	16.8
20°-30°	5483.2	24.9
30°-40°	5666.4	25.7
40°-50°	3855.2	17.5
50°-60°	1748.3	7.9
60°-70°	248.7	1.1
70°-80°	22.2	0.1
80°-90°	7.0	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°	10487.4	47.6
0°-40°	16153.8	73.3
0°-60°	21757.3	98.7
0°-90°	22035.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	22035.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13724	
5°	13678	###
15°	13148	3705
25°	11974	5483
35°	9236	5666
45°	4924	3855
55°	1979	1748
65°	228	249
75°	15	22
85°	7	7
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13724.1
2.5°	13698.4
5°	13677.6
7.5°	13601.2
10°	13463.4
12.5°	13312.2
15°	13147.8
17.5°	12927.8
20°	12655.4
22.5°	12347.3
25°	11973.6
27.5°	11495.3
30°	10889.9
32.5°	10153.4
35°	9235.8
37.5°	8089.8
40°	6938.9
42.5°	5875.1
45°	4923.5
47.5°	4119.6
50°	3432.1
52.5°	2716.3
55°	1978.9
57.5°	1216.5
60°	558.0
62.5°	362.9
65°	228.4
67.5°	119.6
70°	49.8
72.5°	24.9
75°	14.9
77.5°	14.1
80°	11.6
82.5°	9.1
85°	6.6
87.5°	4.2
90°	0.0

(END OF REPORT)