

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: P1505308

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505308
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_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

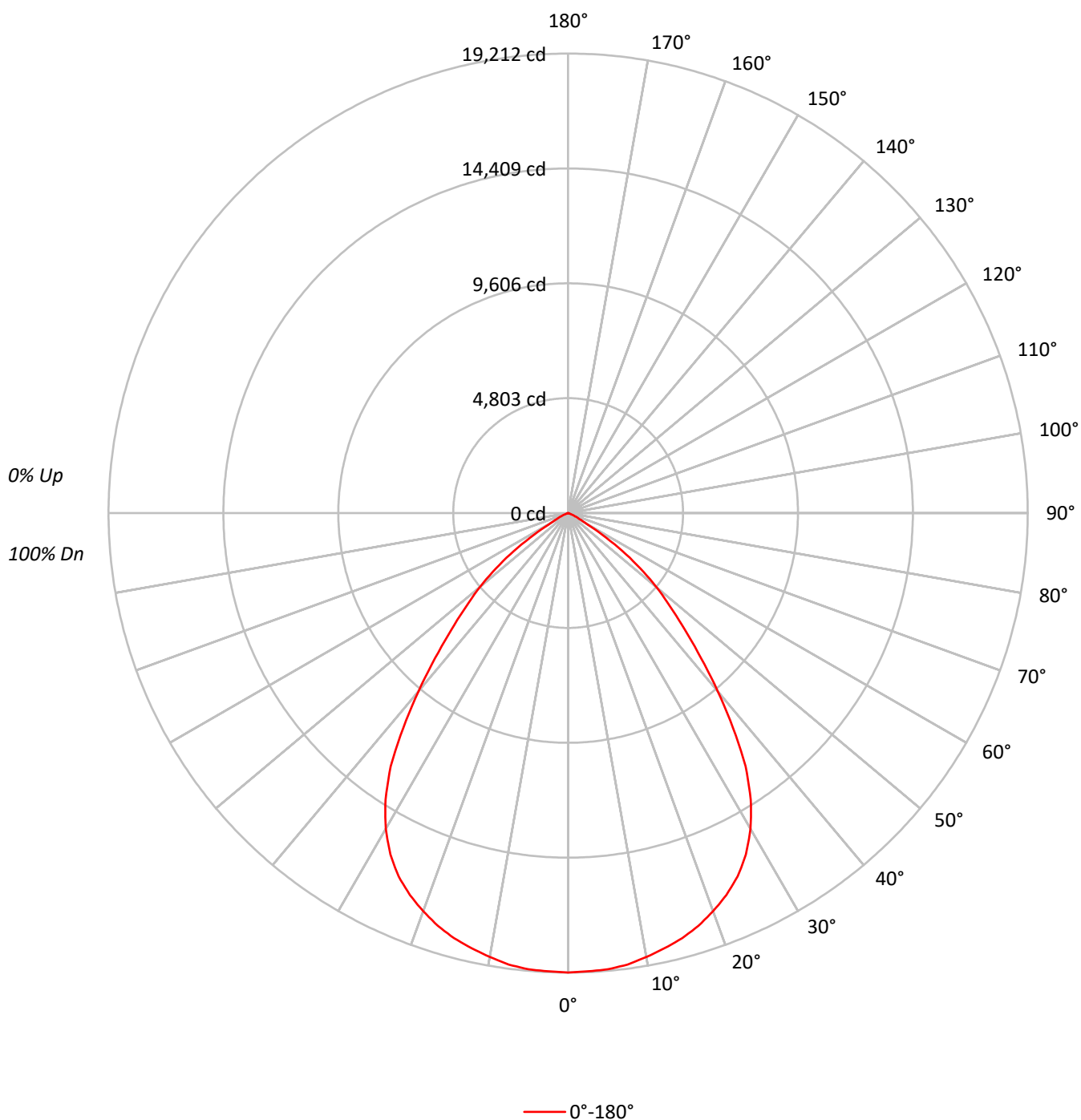
Lumens per Lamp: N/A
Luminaire Lumens: 30846.1 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.15
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 235.4
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

TEST NUMBER: P1505308

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L36_Medium_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505308

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L36_Medium_120V)

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°	137592
5°	137649
10°	137060
15°	136464
20°	135020
25°	132452
30°	126068
35°	113036
40°	90812
45°	69806
50°	53530
55°	34588
60°	11190
65°	5418
70°	1460
75°	578
80°	672
85°	764

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 69806 cd/sqm

TEST NUMBER: P1505308

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L36_Medium_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1818.1	5.9
10°-20°	5186.9	16.8
20°-30°	7675.7	24.9
30°-40°	7932.1	25.7
40°-50°	5396.7	17.5
50°-60°	2447.4	7.9
60°-70°	348.1	1.1
70°-80°	31.2	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°	14680.8	47.6
0°-40°	22612.9	73.3
0°-60°	30457.0	98.7
0°-90°	30846.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30846.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19212	
5°	19147	###
15°	18405	5187
25°	16761	7676
35°	12929	7932
45°	6892	5397
55°	2770	2447
65°	320	348
75°	21	31
85°	9	10
90°	0	

TEST NUMBER: P1505308

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L36_Medium_120V)

CANDELA DISTRIBUTION (FULL):

	0°
0°	19211.7
2.5°	19175.7
5°	19146.6
7.5°	19039.7
10°	18846.7
12.5°	18635.1
15°	18405.0
17.5°	18096.9
20°	17715.7
22.5°	17284.4
25°	16761.3
27.5°	16091.7
30°	15244.3
32.5°	14213.2
35°	12928.7
37.5°	11324.5
40°	9713.4
42.5°	8224.3
45°	6892.1
47.5°	5766.9
50°	4804.4
52.5°	3802.4
55°	2770.1
57.5°	1703.0
60°	781.2
62.5°	508.0
65°	319.7
67.5°	167.4
70°	69.7
72.5°	34.9
75°	20.9
77.5°	19.8
80°	16.3
82.5°	12.8
85°	9.3
87.5°	5.8
90°	0.0

(END OF REPORT)