

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: P1505309

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505309
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-91)
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_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

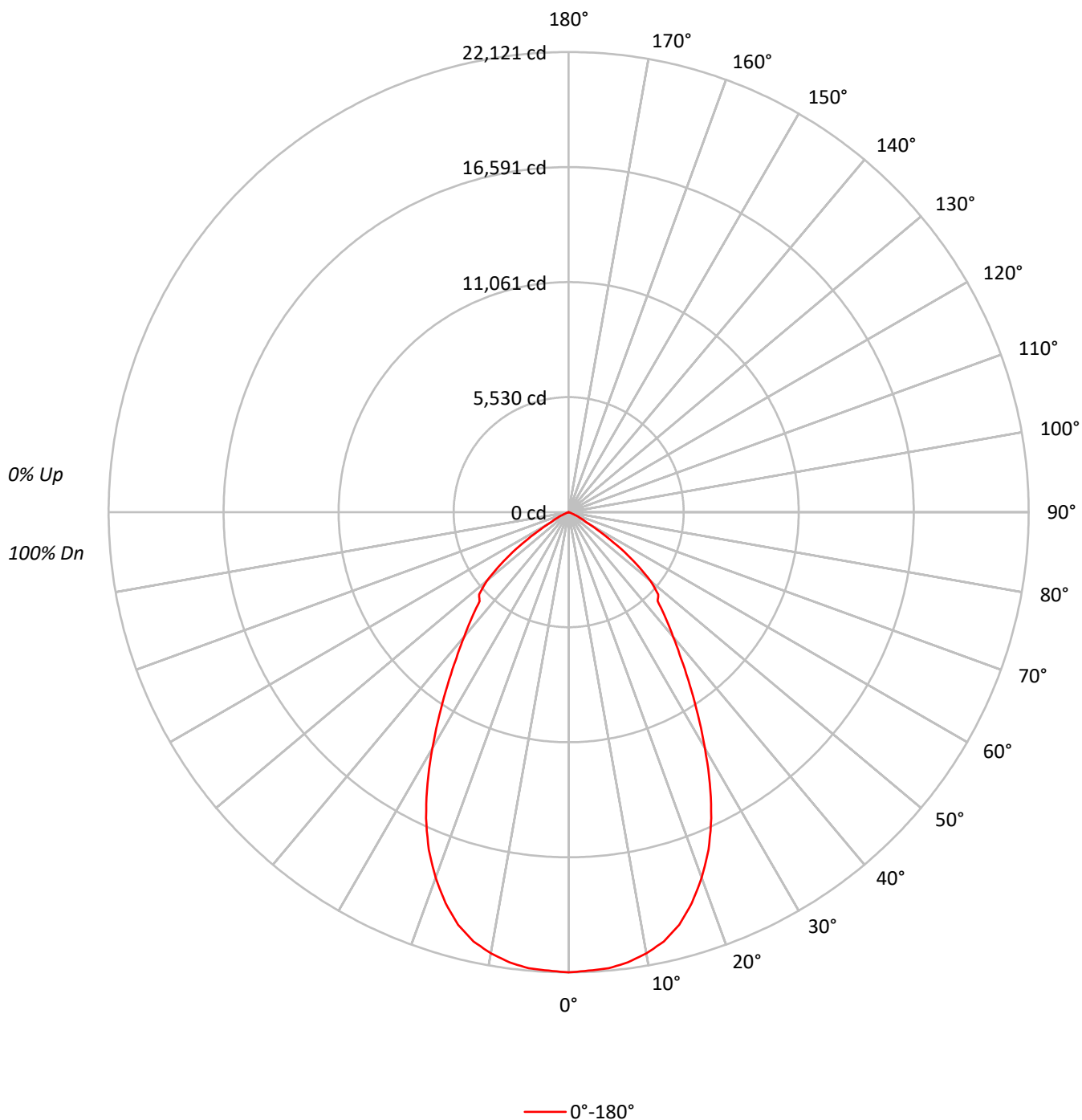
Lumens per Lamp: N/A
Luminaire Lumens: 29663.9 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

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: P1505309

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L36_Narrow_120V)

Luminous Intensity Polar Plot





TEST NUMBER: P1505309

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L36_Narrow_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	98	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	77	72	90	82	76	71	80	75	70	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	62	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	61	57	65	61	57	55		
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	70	60	53	49	59	53	49	58	52	48	57	52	48	47		
9	68	57	50	45	67	56	49	45	55	49	45	54	49	45	53	48	44	43		
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	158430
5°	158249
10°	156588
15°	152262
20°	142533
25°	128227
30°	108321
35°	88736
40°	73054
45°	61271
50°	57040
55°	38435
60°	14968
65°	7467
70°	1947
75°	578
80°	672
85°	764

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 61960 cd/sqm

TEST NUMBER: P1505309

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L36_Narrow_120V)

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2085.4	7.0
10°-20°	5733.7	19.3
20°-30°	7374.7	24.9
30°-40°	6383.5	21.5
40°-50°	4864.1	16.4
50°-60°	2702.6	9.1
60°-70°	474.7	1.6
70°-80°	35.7	0.1
80°-90°	9.5	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°	15193.7	51.2
0°-40°	21577.3	72.7
0°-60°	29144.1	98.2
0°-90°	29663.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	29663.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	22121	
5°	22012	###
15°	20536	5734
25°	16227	7375
35°	10149	6384
45°	6049	4864
55°	3078	2703
65°	441	475
75°	21	36
85°	9	9
90°	0	

TEST NUMBER: P1505309

CATALOG NUMBER: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (3500K_L36_Narrow_120V)

CANDELA DISTRIBUTION (FULL):

0°	
0°	22121.3
2.5°	22057.4
5°	22012.0
7.5°	21826.1
10°	21532.0
12.5°	21136.7
15°	20535.7
17.5°	19698.8
20°	18701.4
22.5°	17568.0
25°	16226.6
27.5°	14697.9
30°	13098.4
32.5°	11576.8
35°	10149.3
37.5°	8879.9
40°	7814.0
42.5°	6896.8
45°	6049.4
47.5°	5844.8
50°	5119.4
52.5°	4112.7
55°	3078.2
57.5°	1936.6
60°	1045.0
62.5°	706.8
65°	440.6
67.5°	220.9
70°	93.0
72.5°	40.7
75°	20.9
77.5°	19.8
80°	16.3
82.5°	12.8
85°	9.3
87.5°	4.6
90°	0.0

(END OF REPORT)