

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: P1505327

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-BLAK-PS (5000K_L36_Narrow_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505327
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 (5000K_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

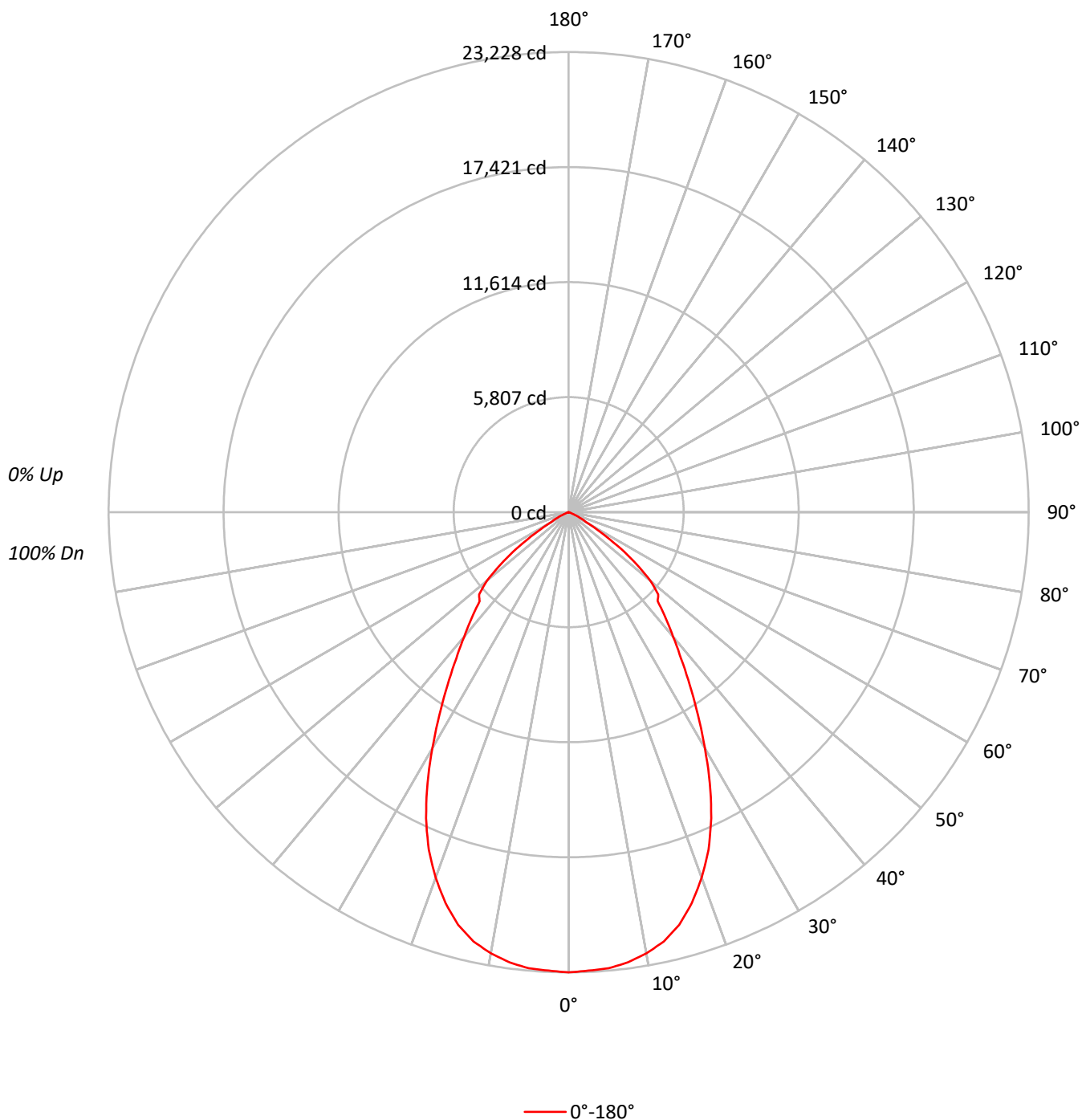
Lumens per Lamp: N/A
Luminaire Lumens: 31148.1 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 0.99
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 233.3
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	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°	166358
5°	166168
10°	164423
15°	159882
20°	149664
25°	134643
30°	113742
35°	93175
40°	76709
45°	64336
50°	59894
55°	40358
60°	15717
65°	7839
70°	2044
75°	609
80°	705
85°	805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 65060 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2189.7	7.0
10°-20°	6020.6	19.3
20°-30°	7743.7	24.9
30°-40°	6702.9	21.5
40°-50°	5107.5	16.4
50°-60°	2837.9	9.1
60°-70°	498.4	1.6
70°-80°	37.5	0.1
80°-90°	10.0	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°	15954.0	51.2
0°-40°	22656.9	72.7
0°-60°	30602.3	98.2
0°-90°	31148.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	31148.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23228	
5°	23113	###
15°	21563	6021
25°	17038	7744
35°	10657	6703
45°	6352	5107
55°	3232	2838
65°	463	498
75°	22	38
85°	10	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	23228.2
2.5°	23161.0
5°	23113.4
7.5°	22918.1
10°	22609.3
12.5°	22194.3
15°	21563.3
17.5°	20684.4
20°	19637.1
22.5°	18447.1
25°	17038.5
27.5°	15433.4
30°	13753.8
32.5°	12156.0
35°	10657.1
37.5°	9324.2
40°	8204.9
42.5°	7241.9
45°	6352.0
47.5°	6137.2
50°	5375.6
52.5°	4318.5
55°	3232.2
57.5°	2033.5
60°	1097.3
62.5°	742.1
65°	462.6
67.5°	231.9
70°	97.6
72.5°	42.7
75°	22.0
77.5°	20.8
80°	17.1
82.5°	13.4
85°	9.8
87.5°	4.9
90°	0.0

(END OF REPORT)