

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: P1504967

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

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504967
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-79)
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-A-04-BLAK-PS (5000K_L36_Narrow_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC BLACK SHADE, NARROW DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

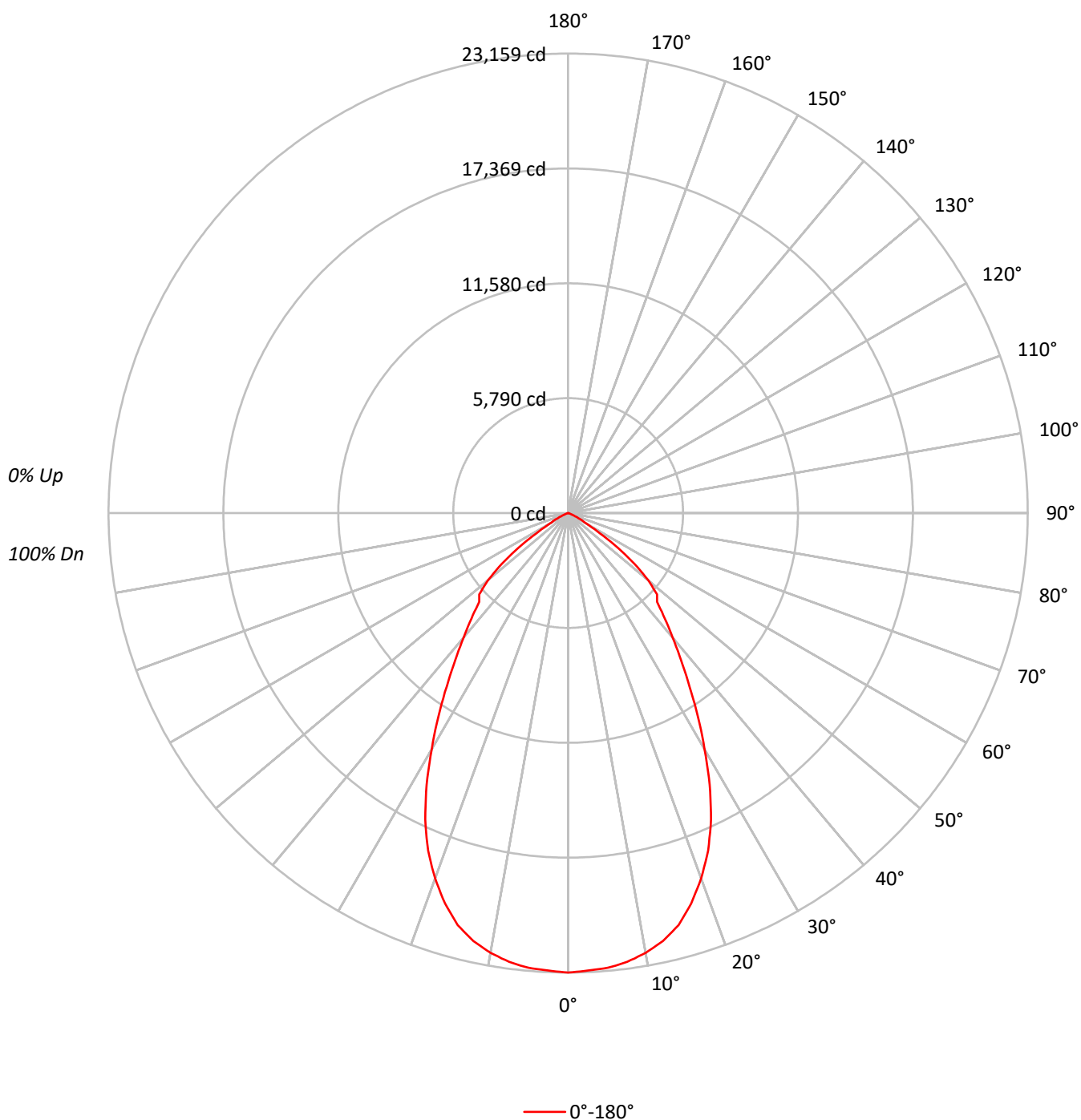
Lumens per Lamp: N/A
Luminaire Lumens: 30946.9 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 0.99 / 0.99 / 1
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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	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	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	81	97	90	84	80	87	82	79	84	81	77	82	79	76	74		
4	93	84	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67		
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61		
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	56		
7	76	66	58	54	75	65	58	53	63	57	53	62	57	53	61	56	52	51		
8	72	61	54	49	71	60	54	49	59	53	49	58	52	49	57	52	48	47		
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43		
10	64	53	46	42	63	53	46	42	52	46	42	51	45	42	50	45	41	40		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	169929
5°	169454
10°	167685
15°	163294
20°	152956
25°	137926
30°	116512
35°	95473
40°	78510
45°	65675
50°	60137
55°	39271
60°	15584
65°	7650
70°	1991
75°	590
80°	723
85°	825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 65915 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2180.1	7.0
10°-20°	5999.9	19.4
20°-30°	7738.4	25.0
30°-40°	6703.4	21.7
40°-50°	5071.5	16.4
50°-60°	2730.3	8.8
60°-70°	478.1	1.5
70°-80°	35.3	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°	15918.4	51.4
0°-40°	22621.8	73.1
0°-60°	30423.5	98.3
0°-90°	30946.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	30946.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	23159	
5°	23006	###
15°	21496	6000
25°	17036	7738
35°	10658	6703
45°	6329	5071
55°	3070	2730
65°	441	478
75°	21	35
85°	10	10
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	23158.6
2.5°	23076.8
5°	23006.0
7.5°	22814.4
10°	22505.6
12.5°	22085.7
15°	21496.1
17.5°	20629.5
20°	19588.3
22.5°	18423.9
25°	17036.0
27.5°	15433.4
30°	13751.4
32.5°	12159.7
35°	10658.4
37.5°	9327.9
40°	8196.4
42.5°	7210.1
45°	6328.9
47.5°	6068.9
50°	5268.1
52.5°	4208.7
55°	3069.8
57.5°	1896.8
60°	1061.9
62.5°	714.1
65°	440.6
67.5°	219.7
70°	92.8
72.5°	39.1
75°	20.8
77.5°	19.5
80°	17.1
82.5°	13.4
85°	9.8
87.5°	4.9
90°	0.0

(END OF REPORT)