

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: P1505092

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (4000K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505092
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-86)
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-WHGL-PS (4000K_L36_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

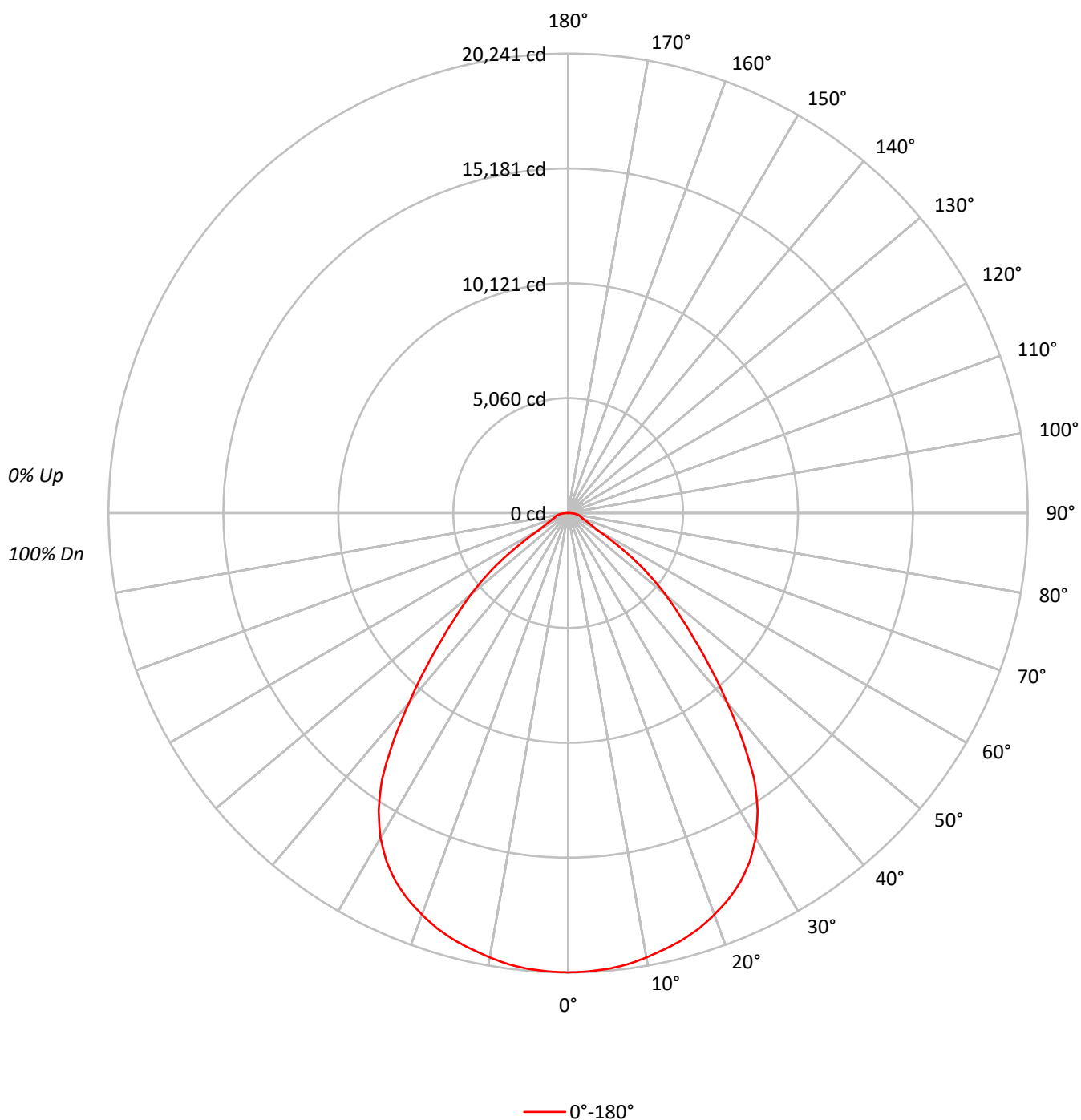
Lumens per Lamp: N/A
Luminaire Lumens: 35444.7 lumens
Efficiency: N/A
Efficacy: 152.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 231.9
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	108	105	102	109	106	103	100	102	99	97	98	96	94	94	93	91	90		
2	104	98	93	88	102	96	91	87	93	89	85	89	86	83	87	84	81	80		
3	97	89	82	77	95	87	81	76	84	79	75	82	78	74	79	76	73	71		
4	90	81	74	68	88	79	73	68	77	71	67	75	70	66	73	69	65	63		
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57		
6	79	68	60	55	77	67	60	54	65	59	54	63	58	54	62	57	53	51		
7	74	62	55	49	72	61	54	49	60	54	49	59	53	49	57	52	48	47		
8	69	57	50	45	68	57	50	45	56	49	45	54	49	44	53	48	44	43		
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	44	41	39		
10	61	49	42	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	148520
5°	148516
10°	148086
15°	147845
20°	146989
25°	145237
30°	140010
35°	127912
40°	104374
45°	81522
50°	63887
55°	44209
60°	21182
65°	16588
70°	14237
75°	16134
80°	19290
85°	22630

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 81522 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1915.5	5.4
10°-20°	5489.4	15.5
20°-30°	8226.0	23.2
30°-40°	8745.5	24.7
40°-50°	6147.9	17.3
50°-60°	3070.2	8.7
60°-70°	975.9	2.8
70°-80°	598.0	1.7
80°-90°	276.3	0.8
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°	15630.9	44.1
0°-40°	24376.4	68.8
0°-60°	33594.5	94.8
0°-90°	35444.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35444.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	20241	
5°	20163	###
15°	19462	5489
25°	17939	8226
35°	14280	8746
45°	7856	6148
55°	3456	3070
65°	955	976
75°	569	598
85°	269	276
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	20240.9
2.5°	20209.4
5°	20163.4
7.5°	20052.0
10°	19875.2
12.5°	19676.6
15°	19462.3
17.5°	19181.4
20°	18824.2
22.5°	18422.2
25°	17939.0
27.5°	17316.6
30°	16524.7
32.5°	15530.6
35°	14279.8
37.5°	12610.0
40°	10896.6
42.5°	9297.0
45°	7856.1
47.5°	6644.0
50°	5596.6
52.5°	4540.8
55°	3455.8
57.5°	2334.6
60°	1443.4
62.5°	1164.9
65°	955.4
67.5°	778.6
70°	663.6
72.5°	610.3
75°	569.1
77.5°	524.3
80°	456.5
82.5°	370.5
85°	268.8
87.5°	147.7
90°	0.0

(END OF REPORT)