

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: P1505068

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3000K_L24_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505068
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 (3000K_L24_Medium_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE
SHADE, MEDIUM DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

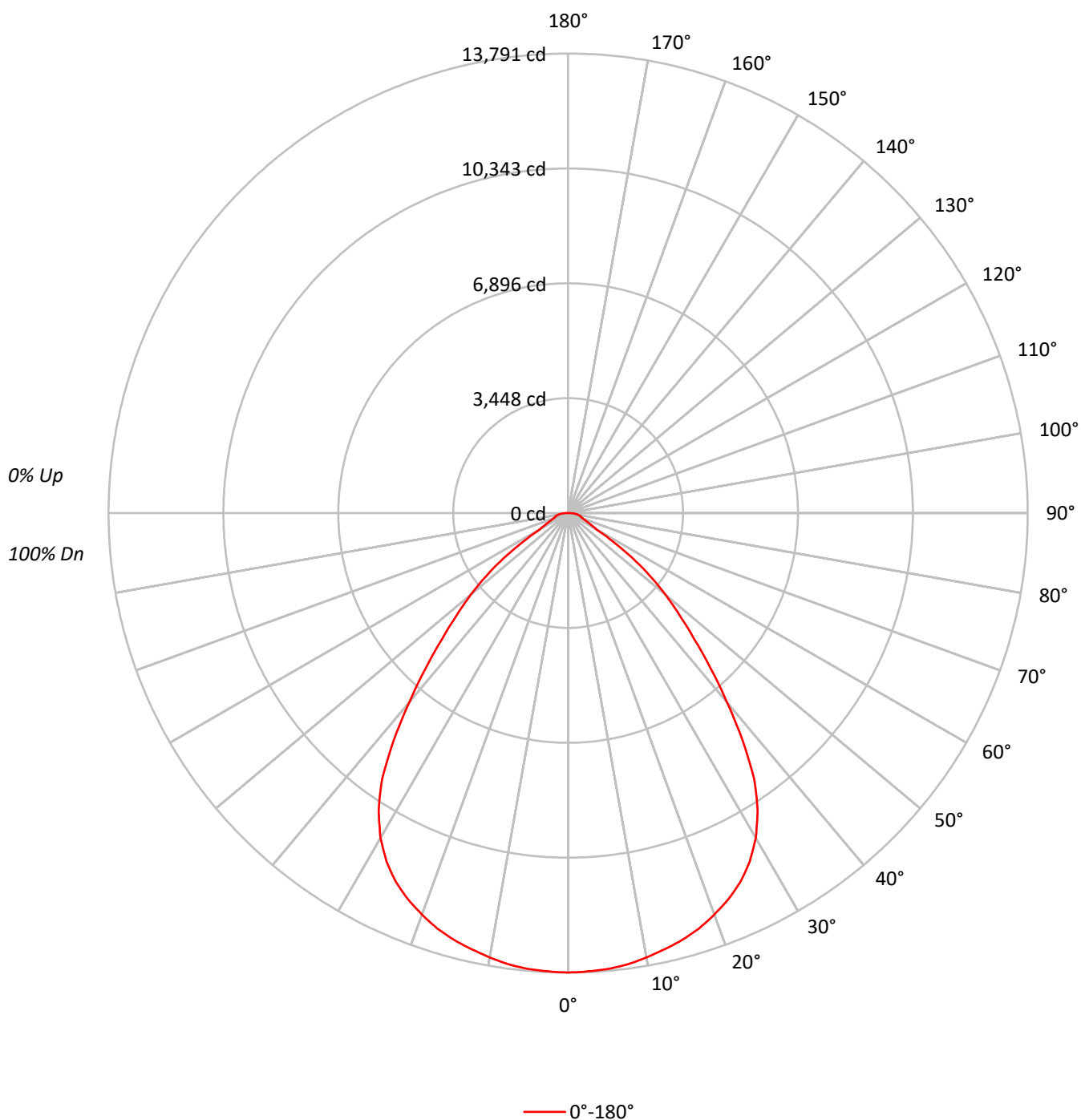
Lumens per Lamp: N/A
Luminaire Lumens: 24149.7 lumens
Efficiency: N/A
Efficacy: 151.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 159.4
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

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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°	101192
5°	101189
10°	100896
15°	100731
20°	100148
25°	98955
30°	95393
35°	87151
40°	71113
45°	55544
50°	43529
55°	30122
60°	14432
65°	11301
70°	9699
75°	10994
80°	13142
85°	15424

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 55544 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1305.1	5.4
10°-20°	3740.1	15.5
20°-30°	5604.6	23.2
30°-40°	5958.6	24.7
40°-50°	4188.8	17.3
50°-60°	2091.8	8.7
60°-70°	664.9	2.8
70°-80°	407.4	1.7
80°-90°	188.3	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°	10649.8	44.1
0°-40°	16608.4	68.8
0°-60°	22889.1	94.8
0°-90°	24149.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	24149.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	13791	
5°	13738	###
15°	13260	3740
25°	12222	5605
35°	9729	5959
45°	5353	4189
55°	2355	2092
65°	651	665
75°	388	407
85°	183	188
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	13790.8
2.5°	13769.3
5°	13738.0
7.5°	13662.1
10°	13541.6
12.5°	13406.3
15°	13260.3
17.5°	13068.9
20°	12825.5
22.5°	12551.6
25°	12222.4
27.5°	11798.4
30°	11258.8
32.5°	10581.5
35°	9729.3
37.5°	8591.6
40°	7424.2
42.5°	6334.4
45°	5352.6
47.5°	4526.8
50°	3813.2
52.5°	3093.8
55°	2354.6
57.5°	1590.6
60°	983.4
62.5°	793.7
65°	650.9
67.5°	530.5
70°	452.1
72.5°	415.8
75°	387.8
77.5°	357.2
80°	311.0
82.5°	252.5
85°	183.2
87.5°	100.7
90°	0.0

(END OF REPORT)