

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: P1505085

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (3500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505085
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-87)
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 (3500K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, DOMIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

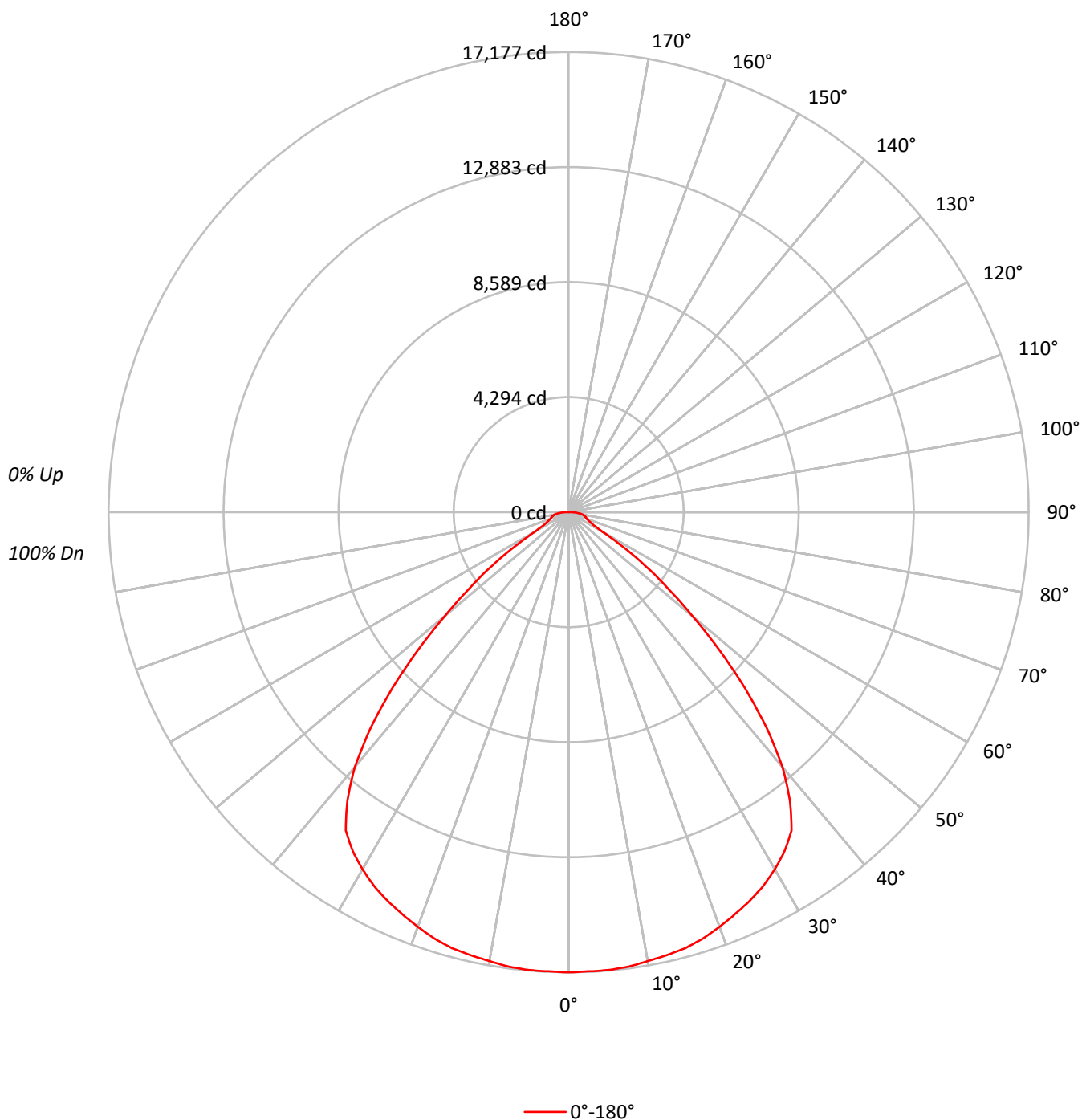
Lumens per Lamp: N/A
Luminaire Lumens: 34937.7 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

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

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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	111	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	81	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	67	87	78	71	66	76	70	65	74	69	64	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55		
6	77	66	58	53	76	65	58	52	63	57	52	62	56	52	60	55	51	49		
7	72	60	53	47	71	60	52	47	58	52	47	57	51	47	56	50	46	45		
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40		
9	63	51	44	39	62	51	44	39	50	43	39	49	43	38	48	42	38	37		
10	60	48	40	36	58	47	40	36	46	40	35	45	39	35	44	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	126041
5°	126369
10°	126790
15°	127971
20°	128621
25°	129575
30°	130441
35°	129971
40°	118995
45°	96851
50°	69016
55°	44850
60°	21102
65°	15682
70°	15438
75°	18224
80°	22548
85°	27993

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 96851 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1633.2	4.7
10°-20°	4755.2	13.6
20°-30°	7381.2	21.1
30°-40°	8915.7	25.5
40°-50°	7131.4	20.4
50°-60°	3170.4	9.1
60°-70°	944.4	2.7
70°-80°	673.5	1.9
80°-90°	332.7	1.0
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°	13769.5	39.4
0°-40°	22685.2	64.9
0°-60°	32987.0	94.4
0°-90°	34937.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34937.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17177	
5°	17156	###
15°	16846	4755
25°	16004	7381
35°	14510	8916
45°	9333	7131
55°	3506	3170
65°	903	944
75°	643	674
85°	332	333
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17177.4
2.5°	17158.8
5°	17156.5
7.5°	17108.9
10°	17017.0
12.5°	16933.3
15°	16846.1
17.5°	16683.4
20°	16471.8
22.5°	16240.5
25°	16004.5
27.5°	15731.4
30°	15395.4
32.5°	15002.5
35°	14509.6
37.5°	13576.2
40°	12423.0
42.5°	10960.7
45°	9333.3
47.5°	7658.2
50°	6045.9
52.5°	4671.9
55°	3505.9
57.5°	2391.1
60°	1437.9
62.5°	1049.7
65°	903.2
67.5°	790.5
70°	719.6
72.5°	680.0
75°	642.8
77.5°	599.8
80°	533.6
82.5°	447.5
85°	332.5
87.5°	175.5
90°	0.0

(END OF REPORT)