

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: P1505110

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-A-04-WHGL-PS (6500K_L36_Medium_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505110
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 (6500K_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

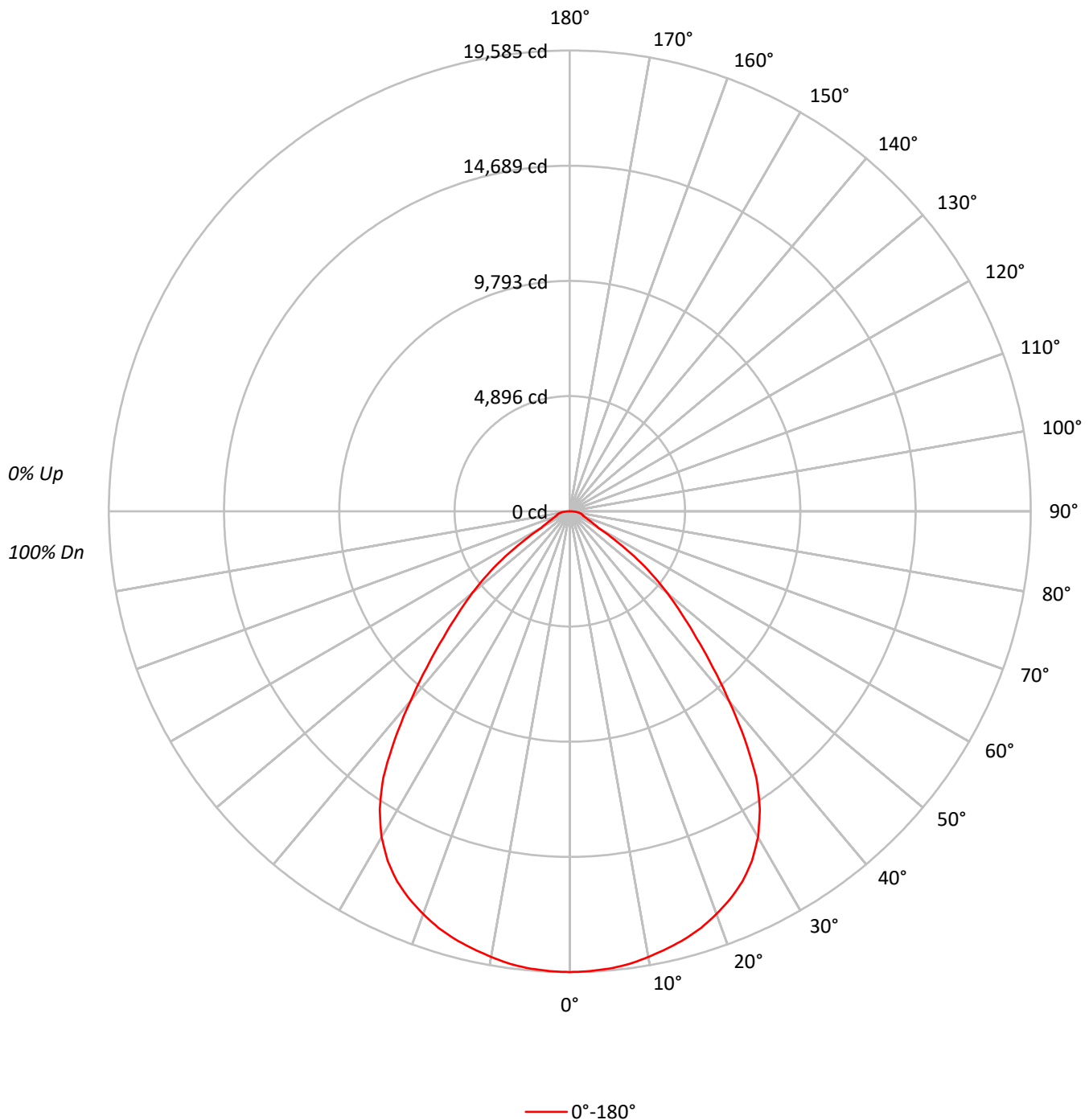
Lumens per Lamp: N/A
Luminaire Lumens: 34296.9 lumens
Efficiency: N/A
Efficacy: 143.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.17
Luminous Opening: Circular (Dia: 1.37' x H: 0')
CIE Type: Direct

Input Watts (W): 239.6
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°	143710
5°	143707
10°	143291
15°	143057
20°	142229
25°	140534
30°	135476
35°	123770
40°	100995
45°	78883
50°	61818
55°	42778
60°	20495
65°	16050
70°	13775
75°	15613
80°	18664
85°	21898

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 78883 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1853.5	5.4
10°-20°	5311.6	15.5
20°-30°	7959.6	23.2
30°-40°	8462.3	24.7
40°-50°	5948.9	17.3
50°-60°	2970.8	8.7
60°-70°	944.2	2.8
70°-80°	578.6	1.7
80°-90°	267.4	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°	15124.7	44.1
0°-40°	23587.1	68.8
0°-60°	32506.7	94.8
0°-90°	34296.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	34296.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	19585	
5°	19510	###
15°	18832	5312
25°	17358	7960
35°	13817	8462
45°	7602	5949
55°	3344	2971
65°	924	944
75°	551	579
85°	260	267
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	19585.4
2.5°	19555.0
5°	19510.5
7.5°	19402.7
10°	19231.6
12.5°	19039.5
15°	18832.1
17.5°	18560.2
20°	18214.6
22.5°	17825.6
25°	17358.1
27.5°	16755.9
30°	15989.6
32.5°	15027.7
35°	13817.4
37.5°	12201.7
40°	10543.8
42.5°	8996.0
45°	7601.7
47.5°	6428.9
50°	5415.4
52.5°	4393.7
55°	3343.9
57.5°	2259.0
60°	1396.6
62.5°	1127.1
65°	924.4
67.5°	753.4
70°	642.1
72.5°	590.5
75°	550.7
77.5°	507.3
80°	441.7
82.5°	358.5
85°	260.1
87.5°	142.9
90°	0.0

(END OF REPORT)