

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: P1505472

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (6500K_L36_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505472
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-99)
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-B-04-WHGL-PS (6500K_L36_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 36,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

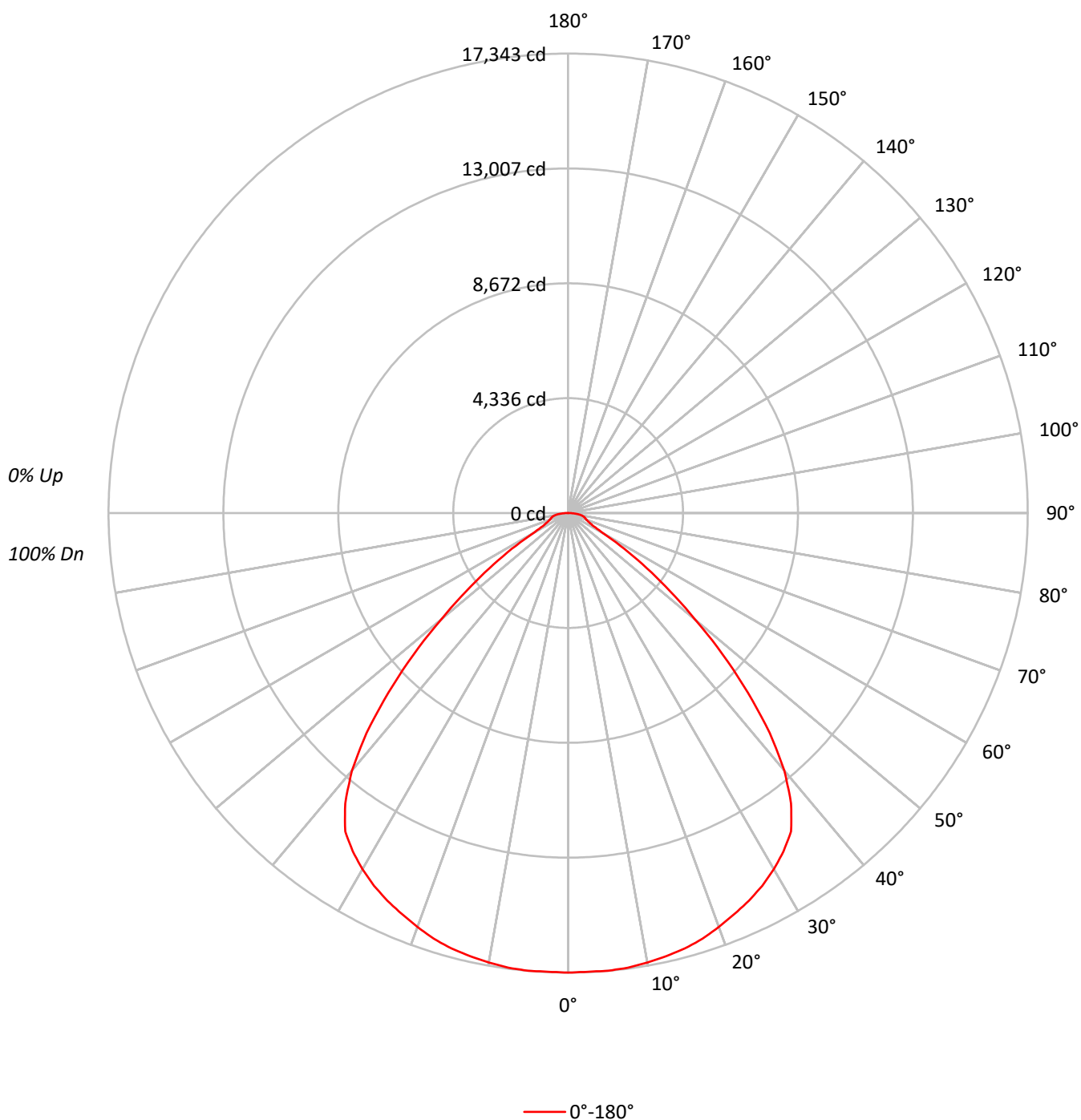
Lumens per Lamp: N/A
Luminaire Lumens: 35514.1 lumens
Efficiency: N/A
Efficacy: 148.2 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

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	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	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70		
4	89	79	72	66	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	57	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	46	55	50	46	44		
8	68	55	48	43	66	55	48	43	54	47	42	52	46	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	59	47	40	35	58	47	40	35	46	40	35	45	39	35	44	39	35	33		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	124208
5°	124640
10°	125264
15°	126148
20°	126687
25°	127549
30°	128317
35°	128232
40°	118621
45°	97144
50°	69815
55°	45279
60°	21716
65°	15567
70°	15309
75°	17898
80°	21455
85°	24644

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 97144 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1651.4	4.6
10°-20°	4804.5	13.5
20°-30°	7443.4	21.0
30°-40°	9030.7	25.4
40°-50°	7334.1	20.7
50°-60°	3295.9	9.3
60°-70°	969.1	2.7
70°-80°	675.4	1.9
80°-90°	309.6	0.9
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°	13899.3	39.1
0°-40°	22930.0	64.6
0°-60°	33560.1	94.5
0°-90°	35514.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	35514.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17343	
5°	17337	###
15°	17014	4804
25°	16141	7443
35°	14667	9031
45°	9591	7334
55°	3626	3296
65°	919	969
75°	647	675
85°	300	310
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	17342.9
2.5°	17327.7
5°	17337.0
7.5°	17306.6
10°	17224.6
12.5°	17129.7
15°	17013.7
17.5°	16848.5
20°	16622.3
22.5°	16384.5
25°	16140.8
27.5°	15857.2
30°	15516.3
32.5°	15129.6
35°	14666.8
37.5°	13817.4
40°	12687.9
42.5°	11253.8
45°	9591.2
47.5°	7914.6
50°	6266.0
52.5°	4843.6
55°	3626.3
57.5°	2514.4
60°	1516.1
62.5°	1076.8
65°	918.6
67.5°	803.8
70°	731.1
72.5°	688.9
75°	646.8
77.5°	595.2
80°	520.2
82.5°	425.3
85°	299.9
87.5°	152.3
90°	0.0

(END OF REPORT)