

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: P1505466

Luminaire Tested: PRLX-UHBS2-2436-MV-L8C5-U-B-04-WHGL-PS (6500K_L24_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1505466
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_L24_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 2436 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 24,000 LUMENS
Light Source:
Ballast/Driver: -

Summary

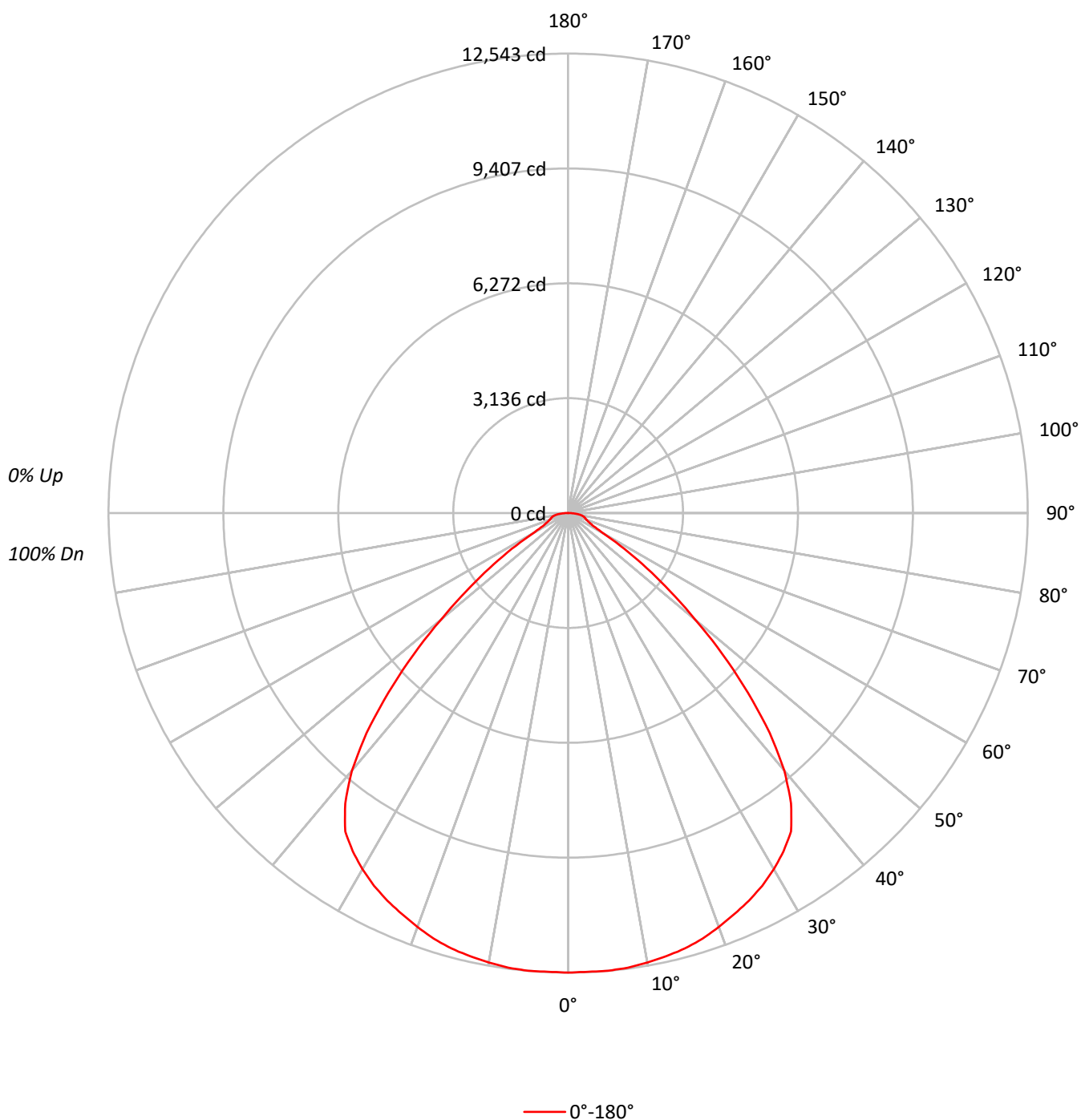
Lumens per Lamp: N/A
Luminaire Lumens: 25685.8 lumens
Efficiency: N/A
Efficacy: 160.7 lumens/watt
Spacing Criteria (0/90/45): 1.32 / 1.32 / 1.31
Luminous Opening: Circular (Dia: 1.38' x H: 0')
CIE Type: Direct

Input Watts (W): 159.8
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°	89834
5°	90147
10°	90598
15°	91237
20°	91627
25°	92250
30°	92806
35°	92745
40°	85794
45°	70260
50°	50494
55°	32748
60°	15706
65°	11259
70°	11073
75°	12945
80°	15520
85°	17823

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70260 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1194.4	4.6
10°-20°	3474.9	13.5
20°-30°	5383.5	21.0
30°-40°	6531.5	25.4
40°-50°	5304.5	20.7
50°-60°	2383.8	9.3
60°-70°	700.9	2.7
70°-80°	488.5	1.9
80°-90°	224.0	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°	10052.7	39.1
0°-40°	16584.3	64.6
0°-60°	24272.5	94.5
0°-90°	25685.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	25685.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12543	
5°	12539	###
15°	12305	3475
25°	11674	5384
35°	10608	6532
45°	6937	5304
55°	2623	2384
65°	664	701
75°	468	488
85°	217	224
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	12543.4
2.5°	12532.3
5°	12539.1
7.5°	12517.1
10°	12457.8
12.5°	12389.1
15°	12305.2
17.5°	12185.8
20°	12022.2
22.5°	11850.2
25°	11673.9
27.5°	11468.8
30°	11222.3
32.5°	10942.6
35°	10607.9
37.5°	9993.5
40°	9176.6
42.5°	8139.4
45°	6936.9
47.5°	5724.3
50°	4531.9
52.5°	3503.2
55°	2622.7
57.5°	1818.5
60°	1096.5
62.5°	778.8
65°	664.4
67.5°	581.3
70°	528.8
72.5°	498.3
75°	467.8
77.5°	430.5
80°	376.3
82.5°	307.6
85°	216.9
87.5°	110.2
90°	0.0

(END OF REPORT)